

CTEH - ER

Sample Delivery Group: L1867312
Samples Received: 06/07/2025
Project Number: PROJ-054017
Description: Bishop Loss of Containment Incident

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

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SAMPLE SUMMARY

GACO0606T161S001 L1867312-01

Collected by
Collected date/time
Received date/time

06/06/25 10:00 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:33	06/12/25 13:33	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 10:23	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533304	1	06/07/25 15:31	06/07/25 15:56	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:30	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533901	5	06/09/25 19:54	06/10/25 10:23	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/09/25 23:52	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536683	1	06/12/25 06:56	06/12/25 08:20	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536691	1	06/12/25 12:00	06/12/25 12:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/07/25 20:23	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	4	06/07/25 16:02	06/08/25 19:33	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:12	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:01	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 20:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 14:26	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533283	1	06/07/25 12:29	06/07/25 14:41	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 02:54	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 00:13	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/07/25 21:12	KB	Mt. Juliet, TN



GACO0606T161S002 L1867312-02

Collected by
Collected date/time
Received date/time

06/06/25 09:30 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:35	06/12/25 13:35	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 10:25	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533304	1	06/07/25 15:31	06/07/25 15:56	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:32	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533901	5	06/09/25 19:54	06/10/25 10:25	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 10:43	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536683	1	06/12/25 06:56	06/12/25 08:20	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536691	1	06/12/25 12:00	06/12/25 12:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/07/25 20:39	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	5	06/07/25 16:02	06/08/25 19:33	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:15	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:07	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 21:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 14:49	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533283	1	06/07/25 12:29	06/07/25 14:22	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 03:37	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 04:58	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/08/25 02:15	KB	Mt. Juliet, TN

GACO0606T161S003 L1867312-03

Collected by
Collected date/time
Received date/time

06/06/25 09:15 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:37	06/12/25 13:37	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 10:27	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533304	1	06/07/25 15:31	06/07/25 15:56	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:33	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533901	5	06/09/25 19:54	06/10/25 10:27	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 00:13	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536683	1	06/12/25 06:56	06/12/25 08:20	RJP	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0606T161S003 L1867312-03

				Collected by	Collected date/time	Received date/time
					06/06/25 09:15	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050AMod	WG2536691	1	06/12/25 12:00	06/12/25 12:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/07/25 20:56	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	5	06/07/25 16:02	06/08/25 19:33	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:17	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:09	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 21:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 15:11	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533283	1	06/07/25 12:29	06/07/25 14:59	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 03:51	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 03:34	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/07/25 21:29	KB	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GACO0606T161C003 L1867312-04

				Collected by	Collected date/time	Received date/time
					06/06/25 09:15	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:38	06/12/25 13:38	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 10:28	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533304	1	06/07/25 15:31	06/07/25 15:56	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:35	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533901	5	06/09/25 19:54	06/10/25 10:28	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 00:34	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536683	1	06/12/25 06:56	06/12/25 08:20	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536691	1	06/12/25 12:00	06/12/25 12:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/07/25 21:12	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	5	06/07/25 16:02	06/08/25 19:34	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:20	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:11	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 21:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 15:34	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533283	1	06/07/25 12:29	06/07/25 15:18	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 04:34	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 00:34	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/07/25 21:47	KB	Mt. Juliet, TN

GACO0606T161S004 L1867312-05

				Collected by	Collected date/time	Received date/time
					06/06/25 10:15	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:40	06/12/25 13:40	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 10:30	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533304	1	06/07/25 15:31	06/07/25 15:56	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:36	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533901	5	06/09/25 19:54	06/10/25 10:30	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 01:06	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536683	1	06/12/25 06:56	06/12/25 08:20	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536691	1	06/12/25 12:00	06/12/25 12:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/07/25 21:28	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	4	06/07/25 16:02	06/08/25 19:34	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:28	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:12	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 21:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 15:56	AV	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0606T161S004 L1867312-05

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533283	1	06/07/25 12:29	06/07/25 15:37	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 05:31	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 00:55	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/07/25 22:05	KB	Mt. Juliet, TN

GACO0606T161T001 L1867312-06

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533281	1	06/07/25 16:33	06/07/25 16:33	NCD	Mt. Juliet, TN

GACO0606T161S005 L1867312-07

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:42	06/12/25 13:42	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 13:12	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533304	1	06/07/25 15:31	06/07/25 15:56	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:42	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533907	5	06/09/25 19:53	06/10/25 13:12	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 01:16	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1.02	06/07/25 16:24	06/07/25 21:45	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	5	06/07/25 16:02	06/08/25 19:34	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:31	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:14	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 21:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 16:19	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533283	1	06/07/25 12:29	06/07/25 15:56	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2534104	12.9	06/10/25 17:23	06/11/25 13:35	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 04:37	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/07/25 22:23	KB	Mt. Juliet, TN

GACO0606T161S006 L1867312-08

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:47	06/12/25 13:47	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 13:16	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533304	1	06/07/25 15:31	06/07/25 15:56	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:44	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533907	1	06/09/25 19:53	06/10/25 13:16	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 08:36	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/07/25 22:01	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	4	06/07/25 16:02	06/08/25 19:35	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:34	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:16	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 21:15	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 16:41	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533283	1	06/07/25 12:29	06/07/25 16:14	JAH	Mt. Juliet, TN



SAMPLE SUMMARY

GACO0606T161S006 L1867312-08

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 06:29	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	1	06/07/25 16:20	06/07/25 22:48	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/07/25 22:41	KB	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/06/25 09:10

06/07/25 10:15

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GACO0606T161S007 L1867312-09

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:48	06/12/25 13:48	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 12:23	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533304	1	06/07/25 15:31	06/07/25 15:56	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:45	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533911	5	06/09/25 19:51	06/10/25 12:23	KMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 01:37	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/07/25 22:18	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	5	06/07/25 16:02	06/08/25 19:35	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:37	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 20:49	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 20:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 17:03	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533283	1	06/07/25 12:29	06/07/25 16:33	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/07/25 22:38	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 01:17	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/07/25 22:59	KB	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/06/25 07:00

06/07/25 10:15

GACO0606T161T002 L1867312-10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533281	1	06/07/25 16:54	06/07/25 16:54	NCD	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/06/25 09:40

06/07/25 10:15

GACO0606T161S008 L1867312-11

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:50	06/12/25 13:50	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 13:20	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533304	1	06/07/25 15:31	06/07/25 15:56	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:50	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533907	5	06/09/25 19:53	06/10/25 13:20	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 02:51	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1.01	06/07/25 16:24	06/07/25 23:39	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	4	06/07/25 16:02	06/08/25 19:36	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:40	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:18	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 21:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 17:26	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533283	1	06/07/25 12:29	06/07/25 16:52	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 02:39	JAS	Mt. Juliet, TN

ACCOUNT:
CTEH - ER

PROJECT:
PROJ-054017

SDG:
L1867312

DATE/TIME:
06/13/25 10:32

PAGE:
7 of 184

SAMPLE SUMMARY

GACO0606T161S008 L1867312-11

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 02:30	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/07/25 23:52	KB	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/06/25 09:40 06/07/25 10:15



GACO0606T161S009 L1867312-12

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:51	06/12/25 13:51	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 13:24	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533304	1	06/07/25 15:31	06/07/25 15:56	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:51	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533907	5	06/09/25 19:53	06/10/25 13:24	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 03:02	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1.04	06/07/25 16:24	06/07/25 23:56	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	4	06/07/25 16:02	06/08/25 19:37	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:43	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:20	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 21:21	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 17:48	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533297	1	06/07/25 12:29	06/07/25 14:43	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 00:02	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	1	06/07/25 16:20	06/07/25 23:31	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/08/25 00:10	KB	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

06/06/25 10:30 06/07/25 10:15

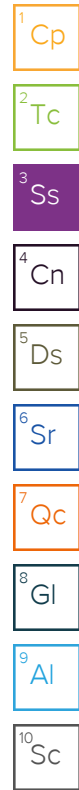
GACO0606T161S010 L1867312-13

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:53	06/12/25 13:53	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 13:26	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533305	1	06/07/25 15:58	06/07/25 16:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:53	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533907	5	06/09/25 19:53	06/10/25 13:26	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 03:33	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/08/25 00:12	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	4	06/07/25 16:02	06/08/25 19:37	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:46	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:21	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 21:24	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 18:11	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533297	1	06/07/25 12:29	06/07/25 15:02	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 04:48	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	1	06/07/25 16:20	06/07/25 23:52	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/08/25 00:28	KB	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0606T161S011 L1867312-14

				Collected by	Collected date/time	Received date/time
					06/06/25 09:05	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:55	06/12/25 13:55	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 13:27	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533305	1	06/07/25 15:58	06/07/25 16:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:54	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533907	5	06/09/25 19:53	06/10/25 13:27	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 03:44	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1.01	06/07/25 16:24	06/08/25 00:28	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	4	06/07/25 16:02	06/08/25 19:37	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:48	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:23	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 21:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 18:33	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533297	1	06/07/25 12:29	06/07/25 15:22	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/07/25 23:47	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	1	06/07/25 16:20	06/07/25 22:27	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/08/25 00:46	KB	Mt. Juliet, TN



GACO0606T161S012 L1867312-15

				Collected by	Collected date/time	Received date/time
					06/06/25 09:15	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:56	06/12/25 13:56	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 13:29	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533305	1	06/07/25 15:58	06/07/25 16:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:56	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533907	5	06/09/25 19:53	06/10/25 13:29	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 09:07	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/08/25 00:45	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	5	06/07/25 16:02	06/08/25 19:38	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:51	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:29	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 19:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 18:56	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533297	1	06/07/25 12:29	06/07/25 15:41	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 00:45	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	1	06/07/25 16:20	06/07/25 23:10	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/08/25 01:03	KB	Mt. Juliet, TN

GACO0606T161T003 L1867312-16

				Collected by	Collected date/time	Received date/time
					06/06/25 07:00	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533281	1	06/07/25 17:16	06/07/25 17:16	NCD	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0606T161S013 L1867312-17

Collected by
Collected date/time
Received date/time

06/06/25 09:25 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 13:58	06/12/25 13:58	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 13:31	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533305	1	06/07/25 15:58	06/07/25 16:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 23:02	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533907	5	06/09/25 19:53	06/10/25 13:31	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 09:18	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1.03	06/07/25 16:24	06/08/25 01:01	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	4	06/07/25 16:02	06/08/25 19:38	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 02:54	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:31	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 19:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 19:18	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533297	1	06/07/25 12:29	06/07/25 16:00	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 01:42	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 02:51	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/08/25 01:21	KB	Mt. Juliet, TN



GACO0606T161C013 L1867312-18

Collected by
Collected date/time
Received date/time

06/06/25 09:25 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 14:00	06/12/25 14:00	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 13:33	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533305	1	06/07/25 15:58	06/07/25 16:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 23:03	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533907	5	06/09/25 19:53	06/10/25 13:33	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 11:01	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/08/25 01:17	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	5	06/07/25 16:02	06/08/25 19:38	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 03:02	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:32	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 19:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 19:41	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533297	1	06/07/25 12:29	06/07/25 16:20	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 00:59	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 03:12	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/08/25 01:39	KB	Mt. Juliet, TN

GACO0606T161S014 L1867312-19

Collected by
Collected date/time
Received date/time

06/06/25 09:40 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536010	1	06/12/25 14:01	06/12/25 14:01	MAP	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 13:35	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533305	1	06/07/25 15:58	06/07/25 16:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 23:05	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533907	5	06/09/25 19:53	06/10/25 13:35	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/10/25 11:10	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0606T161S014 L1867312-19

				Collected by	Collected date/time	Received date/time
					06/06/25 09:40	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/08/25 01:34	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	5	06/07/25 16:02	06/08/25 19:39	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536066	1	06/11/25 19:17	06/12/25 03:04	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 21:34	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 20:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533275	25	06/07/25 12:29	06/07/25 20:03	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533297	1	06/07/25 12:29	06/07/25 16:39	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 01:56	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	1	06/07/25 16:20	06/07/25 22:06	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/08/25 01:57	KB	Mt. Juliet, TN



GACO0606T161T004 L1867312-20

				Collected by	Collected date/time	Received date/time
					06/06/25 07:00	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533281	1	06/07/25 17:37	06/07/25 17:37	NCD	Mt. Juliet, TN

GACO0606T161S001 L1867312-21

				Collected by	Collected date/time	Received date/time
					06/06/25 10:00	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 10:43	ZRG	Mt. Juliet, TN

GACO0606T161S002 L1867312-22

				Collected by	Collected date/time	Received date/time
					06/06/25 09:30	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 10:43	ZRG	Mt. Juliet, TN

GACO0606T161S003 L1867312-23

				Collected by	Collected date/time	Received date/time
					06/06/25 09:15	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 10:44	ZRG	Mt. Juliet, TN

GACO0606T161C003 L1867312-24

				Collected by	Collected date/time	Received date/time
					06/06/25 09:15	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 10:45	ZRG	Mt. Juliet, TN

GACO0606T161S004 L1867312-25

				Collected by	Collected date/time	Received date/time
					06/06/25 10:15	06/07/25 10:15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 11:26	ZRG	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0606T161S005 L1867312-26

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 11:27	ZRG	Mt. Juliet, TN

Collected by
Collected date/time
06/06/25 10:25
Received date/time
06/07/25 10:15

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GACO0606T161S006 L1867312-27

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 11:28	ZRG	Mt. Juliet, TN

Collected by
Collected date/time
06/06/25 09:10
Received date/time
06/07/25 10:15

GACO0606T161S007 L1867312-28

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 11:30	ZRG	Mt. Juliet, TN

Collected by
Collected date/time
06/06/25 09:30
Received date/time
06/07/25 10:15

GACO0606T161S008 L1867312-29

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 11:31	ZRG	Mt. Juliet, TN

Collected by
Collected date/time
06/06/25 09:40
Received date/time
06/07/25 10:15

GACO0606T161S009 L1867312-30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 11:32	ZRG	Mt. Juliet, TN

Collected by
Collected date/time
06/06/25 10:00
Received date/time
06/07/25 10:15

GACO0606T161S010 L1867312-31

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 11:47	ZRG	Mt. Juliet, TN

Collected by
Collected date/time
06/06/25 10:30
Received date/time
06/07/25 10:15

GACO0606T161S011 L1867312-32

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 12:44	ZRG	Mt. Juliet, TN

Collected by
Collected date/time
06/06/25 09:05
Received date/time
06/07/25 10:15

GACO0606T161S012 L1867312-33

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 12:44	ZRG	Mt. Juliet, TN

Collected by
Collected date/time
06/06/25 09:15
Received date/time
06/07/25 10:15

SAMPLE SUMMARY

GACO0606T161S013 L1867312-34

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 12:45	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/06/25 09:25

06/07/25 10:15

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GACO0606T161C013 L1867312-35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 12:45	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/06/25 09:25

06/07/25 10:15

GACO0606T161S014 L1867312-36

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 12:45	ZRG	Mt. Juliet, TN

Collected by

Collected date/time

Received date/time

06/06/25 09:40

06/07/25 10:15

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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 radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. 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.



Jared Starkey
Project Manager

Project Comments

L1867312 / WG2533313 - Benzidine is reporting with critically low recovery in the laboratory control sample(s). This compound is a method defined poor performer. Results are estimated.

Wet Chemistry by Method 4500NOrg D-2021

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2533901	(MS) R4228114-4	Kjeldahl Nitrogen, TKN
WG2533901	(MS) R4228114-6	Kjeldahl Nitrogen, TKN
WG2533901	(MSD) R4228114-7	Kjeldahl Nitrogen, TKN
WG2533911	(MS) R4228132-3	Kjeldahl Nitrogen, TKN
WG2533911	(MSD) R4228132-4	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2533901	(MS) R4228114-6, (MSD) R4228114-7	Kjeldahl Nitrogen, TKN
WG2533907	(MS) R4228276-4, L1867312-08	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2533911	(MS) R4228132-3, (MSD) R4228132-4	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 7199

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

Batch	Lab Sample ID	Analytes
WG2533374	(MS) R4228077-8, (MSD) R4228077-9, L1867312-09	Hexavalent Chromium

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2533374	(MSD) R4228077-9, L1867312-09	Hexavalent Chromium



CASE NARRATIVE

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2533358	(MS) R4227166-5, (MSD) R4227166-6, L1867312-09	Aluminum, Calcium and Iron

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

Batch	Lab Sample ID	Analytes
WG2533358	(MS) R4227166-5, (MSD) R4227166-6, L1867312-09	Antimony, Magnesium, Manganese and Potassium

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2533358	(MSD) R4227166-6, L1867312-09	Iron and Manganese

The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Batch	Lab Sample ID	Analytes
WG2533358	L1867312-09	Iron

Metals (ICPMS) by Method 6020B

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

Batch	Lab Sample ID	Analytes
WG2537275	(MS) R4229638-5, L1867312-09	Barium

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

Batch	Lab Sample ID	Analytes
WG2537275	(MSD) R4229638-6, L1867312-09	Zinc

The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Batch	Lab Sample ID	Analytes
WG2537275	L1867312-09	Zinc

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

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2533281	L1867312-06	1,2-Dibromo-3-Chloropropane, Bromoform, Bromomethane, Chloroethane, Dichlorodifluoromethane, Naphthalene, Styrene, Toluene, Trichlorofluoromethane and Vinyl chloride
WG2533281	L1867312-10	1,2-Dibromo-3-Chloropropane, Bromoform, Bromomethane, Chloroethane, Dichlorodifluoromethane, Naphthalene, Styrene, Toluene, Trichlorofluoromethane and Vinyl chloride
WG2533281	L1867312-16	1,2-Dibromo-3-Chloropropane, Bromoform, Bromomethane, Chloroethane, Dichlorodifluoromethane, Naphthalene, Styrene, Toluene, Trichlorofluoromethane and Vinyl chloride
WG2533281	L1867312-20	1,2-Dibromo-3-Chloropropane, Bromoform, Bromomethane, Chloroethane, Dichlorodifluoromethane, Naphthalene, Styrene, Toluene, Trichlorofluoromethane and Vinyl chloride
WG2533283	L1867312-01	1,1-Dichloroethane, 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride
WG2533283	L1867312-02	1,1-Dichloroethane, 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride
WG2533283	L1867312-03	1,1-Dichloroethane, 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride
WG2533283	L1867312-04	1,1-Dichloroethane, 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride
WG2533283	L1867312-05	1,1-Dichloroethane, 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride
WG2533283	L1867312-07	1,1-Dichloroethane, 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride
WG2533283	L1867312-08	1,1-Dichloroethane, 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride



CASE NARRATIVE

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

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2533283	L1867312-09	1,1-Dichloroethane, 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride
WG2533283	L1867312-11	1,1-Dichloroethane, 1,1-Dichloroethene, Acetone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride
WG2533297	L1867312-12	Bromomethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2533297	L1867312-13	Bromomethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2533297	L1867312-14	Bromomethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2533297	L1867312-15	Bromomethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2533297	L1867312-17	Bromomethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2533297	L1867312-18	Bromomethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride
WG2533297	L1867312-19	Bromomethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2533283	Chloroform	L1867312-07, 09, 11
WG2533297	Chloroform	L1867312-12, 13, 14, 15, 17, 18, 19

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2533281	(LCS) R4227145-1, L1867312-06, 10, 16, 20	Vinyl chloride



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

The initial calibration verification standard (SSCV) associated with this data responded high.

Batch	Lab Sample ID	Analytes
WG2533313	L1867312-01	Hexachlorocyclopentadiene
WG2533313	L1867312-02	Hexachlorocyclopentadiene
WG2533313	L1867312-03	Hexachlorocyclopentadiene
WG2533313	L1867312-04	Hexachlorocyclopentadiene
WG2533313	L1867312-05	Hexachlorocyclopentadiene
WG2533313	L1867312-07	Hexachlorocyclopentadiene
WG2533313	L1867312-08	Hexachlorocyclopentadiene
WG2533313	L1867312-09	Hexachlorocyclopentadiene
WG2533313	L1867312-11	Hexachlorocyclopentadiene
WG2533313	L1867312-12	Hexachlorocyclopentadiene
WG2533313	L1867312-13	Hexachlorocyclopentadiene
WG2533313	L1867312-14	Hexachlorocyclopentadiene
WG2533313	L1867312-15	Hexachlorocyclopentadiene
WG2533313	L1867312-17	Hexachlorocyclopentadiene
WG2533313	L1867312-18	Hexachlorocyclopentadiene
WG2533313	L1867312-19	Hexachlorocyclopentadiene

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2533313	L1867312-01	n-Nitrosodi-n-propylamine
WG2533313	L1867312-02	n-Nitrosodi-n-propylamine
WG2533313	L1867312-03	n-Nitrosodi-n-propylamine
WG2533313	L1867312-04	n-Nitrosodi-n-propylamine
WG2533313	L1867312-05	n-Nitrosodi-n-propylamine
WG2533313	L1867312-07	n-Nitrosodi-n-propylamine
WG2533313	L1867312-08	n-Nitrosodi-n-propylamine
WG2533313	L1867312-09	n-Nitrosodi-n-propylamine
WG2533313	L1867312-11	n-Nitrosodi-n-propylamine
WG2533313	L1867312-12	n-Nitrosodi-n-propylamine

CASE NARRATIVE

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

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2533313	L1867312-13	n-Nitrosodi-n-propylamine
WG2533313	L1867312-14	n-Nitrosodi-n-propylamine
WG2533313	L1867312-15	n-Nitrosodi-n-propylamine
WG2533313	L1867312-17	n-Nitrosodi-n-propylamine
WG2533313	L1867312-18	n-Nitrosodi-n-propylamine
WG2533313	L1867312-19	n-Nitrosodi-n-propylamine

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2533313	(LCS) R4227244-1, L1867312-01, 02, 03, 04, 05, 07, 08, 09, 11, 12, 13, 14, 15, 17, 18, 19	Benzidine

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

Batch	Lab Sample ID	Analytes
WG2533313	(MS) R4227244-3, (MSD) R4227244-4, L1867312-09	2,4-Dinitrophenol, Benzidine and Hexachlorocyclopentadiene



DETECTION SUMMARY

Calculated Results

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S001	L1867312-01	Total Nitrogen	1500		23.9	1	06/10/2025 10:23	WG2533329
GACO0606T161S002	L1867312-02	Total Nitrogen	2260		23.4	1	06/10/2025 10:25	WG2533329
GACO0606T161S003	L1867312-03	Total Nitrogen	1880		23.9	1	06/10/2025 10:27	WG2533329
GACO0606T161C003	L1867312-04	Total Nitrogen	1520		22.9	1	06/10/2025 10:28	WG2533329
GACO0606T161S004	L1867312-05	Total Nitrogen	1380		23.3	1	06/10/2025 10:30	WG2533329
GACO0606T161S005	L1867312-07	Total Nitrogen	1450		24.6	1	06/10/2025 13:12	WG2533329
GACO0606T161S006	L1867312-08	Total Nitrogen	498		23.3	1	06/10/2025 13:16	WG2533329
GACO0606T161S007	L1867312-09	Total Nitrogen	2850		24.4	1	06/10/2025 12:23	WG2533329
GACO0606T161S008	L1867312-11	Total Nitrogen	1880		24.7	1	06/10/2025 13:20	WG2533329
GACO0606T161S009	L1867312-12	Total Nitrogen	2530		26.2	1	06/10/2025 13:24	WG2533329
GACO0606T161S010	L1867312-13	Total Nitrogen	1480		23.4	1	06/10/2025 13:26	WG2533329
GACO0606T161S011	L1867312-14	Total Nitrogen	1800		24.9	1	06/10/2025 13:27	WG2533329
GACO0606T161S012	L1867312-15	Total Nitrogen	1750		23.7	1	06/10/2025 13:29	WG2533329
GACO0606T161S013	L1867312-17	Total Nitrogen	1610		25.1	1	06/10/2025 13:31	WG2533329
GACO0606T161C013	L1867312-18	Total Nitrogen	2330		24.8	1	06/10/2025 13:33	WG2533329
GACO0606T161S014	L1867312-19	Total Nitrogen	1330		25.0	1	06/10/2025 13:35	WG2533329

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0606T161S001	L1867312-21	Actinium-228 (Ra-228)	0.811		0.251	0.251	0.467	0.202	06/10/2025 10:43	WG2534740
GACO0606T161S001	L1867312-21	Bismuth-214 (Ra-226)	0.704		0.184	0.184	0.239	0.105	06/10/2025 10:43	WG2534740
GACO0606T161S001	L1867312-21	Lead-214	0.698		0.153	0.153	0.240	0.108	06/10/2025 10:43	WG2534740
GACO0606T161S001	L1867312-21	Thorium-234 (U-238)	1.35	J	1.08	1.08	2.06	0.807	06/10/2025 10:43	WG2534740
GACO0606T161S001	L1867312-21	Radium-226 (186 KeV)	1.68		0.697	0.697	1.14	0.523	06/10/2025 10:43	WG2534740
GACO0606T161S002	L1867312-22	Actinium-228 (Ra-228)	0.964		0.262	0.262	0.447	0.194	06/10/2025 10:43	WG2534740
GACO0606T161S002	L1867312-22	Bismuth-214 (Ra-226)	0.830		0.179	0.179	0.215	0.0952	06/10/2025 10:43	WG2534740
GACO0606T161S002	L1867312-22	Lead-214	1.24		0.160	0.160	0.211	0.0957	06/10/2025 10:43	WG2534740
GACO0606T161S002	L1867312-22	Thorium-234 (U-238)	0.0825	U	0.657	0.657	1.62	0.645	06/10/2025 10:43	WG2534740
GACO0606T161S002	L1867312-22	Radium-226 (186 KeV)	1.13		0.609	0.609	0.974	0.451	06/10/2025 10:43	WG2534740
GACO0606T161S003	L1867312-23	Actinium-228 (Ra-228)	0.956		0.332	0.332	0.640	0.264	06/10/2025 10:44	WG2534740
GACO0606T161S003	L1867312-23	Bismuth-214 (Ra-226)	0.875		0.242	0.242	0.291	0.122	06/10/2025 10:44	WG2534740
GACO0606T161S003	L1867312-23	Lead-214	0.976		0.206	0.206	0.293	0.129	06/10/2025 10:44	WG2534740
GACO0606T161S003	L1867312-23	Thorium-234 (U-238)	0.847	U	0.791	0.791	1.94	0.771	06/10/2025 10:44	WG2534740
GACO0606T161S003	L1867312-23	Radium-226 (186 KeV)	0.791	J	0.989	0.989	1.70	0.792	06/10/2025 10:44	WG2534740
GACO0606T161C003	L1867312-24	Actinium-228 (Ra-228)	1.02		0.211	0.211	0.285	0.122	06/10/2025 10:45	WG2534740
GACO0606T161C003	L1867312-24	Bismuth-214 (Ra-226)	0.716		0.141	0.141	0.161	0.0714	06/10/2025 10:45	WG2534740
GACO0606T161C003	L1867312-24	Lead-214	0.837		0.121	0.121	0.130	0.0587	06/10/2025 10:45	WG2534740
GACO0606T161C003	L1867312-24	Thorium-234 (U-238)	0.581	J	0.504	0.504	1.07	0.426	06/10/2025 10:45	WG2534740
GACO0606T161C003	L1867312-24	Radium-226 (186 KeV)	1.68		0.547	0.547	0.818	0.383	06/10/2025 10:45	WG2534740

DETECTION SUMMARY

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0606T161S004	L1867312-25	Actinium-228 (Ra-228)	0.941		0.260	0.260	0.460	0.200	06/10/2025 11:26	WG2534740
GACO0606T161S004	L1867312-25	Bismuth-214 (Ra-226)	0.842		0.191	0.191	0.243	0.108	06/10/2025 11:26	WG2534740
GACO0606T161S004	L1867312-25	Lead-214	0.737		0.159	0.159	0.243	0.110	06/10/2025 11:26	WG2534740
GACO0606T161S004	L1867312-25	Thorium-234 (U-238)	1.35	J	0.958	0.958	1.89	0.759	06/10/2025 11:26	WG2534740
GACO0606T161S004	L1867312-25	Radium-226 (186 KeV)	0.859	J	0.737	0.737	1.30	0.610	06/10/2025 11:26	WG2534740
GACO0606T161S005	L1867312-26	Actinium-228 (Ra-228)	0.735		0.184	0.184	0.293	0.128	06/10/2025 11:27	WG2534740
GACO0606T161S005	L1867312-26	Bismuth-214 (Ra-226)	0.679		0.141	0.141	0.175	0.0790	06/10/2025 11:27	WG2534740
GACO0606T161S005	L1867312-26	Lead-214	0.793		0.153	0.153	0.183	0.0843	06/10/2025 11:27	WG2534740
GACO0606T161S005	L1867312-26	Thorium-234 (U-238)	1.22	J	1.07	1.07	2.14	0.854	06/10/2025 11:27	WG2534740
GACO0606T161S005	L1867312-26	Radium-226 (186 KeV)	1.17		0.610	0.610	1.07	0.503	06/10/2025 11:27	WG2534740
GACO0606T161S006	L1867312-27	Actinium-228 (Ra-228)	0.849	J	0.389	0.389	0.882	0.398	06/10/2025 11:28	WG2534740
GACO0606T161S006	L1867312-27	Bismuth-214 (Ra-226)	0.768		0.238	0.238	0.344	0.154	06/10/2025 11:28	WG2534740
GACO0606T161S006	L1867312-27	Lead-214	1.22		0.240	0.240	0.336	0.153	06/10/2025 11:28	WG2534740
GACO0606T161S006	L1867312-27	Thorium-234 (U-238)	-0.254	U	1.74	1.74	3.97	1.58	06/10/2025 11:28	WG2534740
GACO0606T161S006	L1867312-27	Radium-226 (186 KeV)	2.61		1.23	1.23	2.11	0.988	06/10/2025 11:28	WG2534740
GACO0606T161S007	L1867312-28	Actinium-228 (Ra-228)	0.992		0.255	0.255	0.400	0.170	06/10/2025 11:30	WG2534740
GACO0606T161S007	L1867312-28	Bismuth-214 (Ra-226)	0.779		0.184	0.184	0.229	0.101	06/10/2025 11:30	WG2534740
GACO0606T161S007	L1867312-28	Lead-214	1.33		0.172	0.172	0.226	0.103	06/10/2025 11:30	WG2534740
GACO0606T161S007	L1867312-28	Thorium-234 (U-238)	0.394	U	0.720	0.720	1.70	0.676	06/10/2025 11:30	WG2534740
GACO0606T161S007	L1867312-28	Radium-226 (186 KeV)	1.90		0.716	0.716	1.08	0.504	06/10/2025 11:30	WG2534740
GACO0606T161S008	L1867312-29	Actinium-228 (Ra-228)	1.12		0.357	0.357	0.638	0.265	06/10/2025 11:31	WG2534740
GACO0606T161S008	L1867312-29	Bismuth-214 (Ra-226)	1.36		0.283	0.283	0.288	0.121	06/10/2025 11:31	WG2534740
GACO0606T161S008	L1867312-29	Lead-214	0.887		0.208	0.208	0.314	0.141	06/10/2025 11:31	WG2534740
GACO0606T161S008	L1867312-29	Thorium-234 (U-238)	0.659	U	0.790	0.790	1.89	0.750	06/10/2025 11:31	WG2534740
GACO0606T161S008	L1867312-29	Radium-226 (186 KeV)	1.34	J	0.975	0.975	1.61	0.750	06/10/2025 11:31	WG2534740
GACO0606T161S009	L1867312-30	Actinium-228 (Ra-228)	1.05		0.273	0.273	0.439	0.186	06/10/2025 11:32	WG2534740
GACO0606T161S009	L1867312-30	Bismuth-214 (Ra-226)	0.856		0.187	0.187	0.215	0.0932	06/10/2025 11:32	WG2534740
GACO0606T161S009	L1867312-30	Lead-214	0.711		0.147	0.147	0.226	0.103	06/10/2025 11:32	WG2534740
GACO0606T161S009	L1867312-30	Thorium-234 (U-238)	1.08	J	0.773	0.773	1.46	0.576	06/10/2025 11:32	WG2534740
GACO0606T161S009	L1867312-30	Radium-226 (186 KeV)	1.31		0.751	0.751	1.23	0.573	06/10/2025 11:32	WG2534740

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

Radiochemistry by Method DOE Ga-01-R/901.1

			Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Client ID	Lab Sample ID	Analyte	pCi/g		+ / -	+ / -	pCi/g	pCi/g	date / time	
GACO0606T161S010	L1867312-31	Actinium-228 (Ra-228)	0.899		0.288	0.288	0.538	0.233	06/10/2025 11:47	WG2534740
GACO0606T161S010	L1867312-31	Bismuth-214 (Ra-226)	0.958		0.217	0.217	0.261	0.114	06/10/2025 11:47	WG2534740
GACO0606T161S010	L1867312-31	Lead-214	0.875		0.179	0.179	0.258	0.116	06/10/2025 11:47	WG2534740
GACO0606T161S010	L1867312-31	Thorium-234 (U-238)	0.713	U	1.11	1.11	2.31	0.905	06/10/2025 11:47	WG2534740
GACO0606T161S010	L1867312-31	Radium-226 (186 KeV)	1.58		0.751	0.751	1.26	0.577	06/10/2025 11:47	WG2534740
GACO0606T161S011	L1867312-32	Actinium-228 (Ra-228)	1.02		0.306	0.306	0.556	0.241	06/10/2025 12:44	WG2534740
GACO0606T161S011	L1867312-32	Bismuth-214 (Ra-226)	0.713		0.211	0.211	0.301	0.133	06/10/2025 12:44	WG2534740
GACO0606T161S011	L1867312-32	Lead-214	0.719		0.183	0.183	0.309	0.141	06/10/2025 12:44	WG2534740
GACO0606T161S011	L1867312-32	Thorium-234 (U-238)	1.17	U	1.04	1.04	2.34	0.938	06/10/2025 12:44	WG2534740
GACO0606T161S011	L1867312-32	Radium-226 (186 KeV)	1.45	J	0.858	0.858	1.46	0.679	06/10/2025 12:44	WG2534740
GACO0606T161S012	L1867312-33	Actinium-228 (Ra-228)	0.879		0.190	0.190	0.263	0.113	06/10/2025 12:44	WG2534740
GACO0606T161S012	L1867312-33	Bismuth-214 (Ra-226)	0.613		0.139	0.139	0.191	0.0864	06/10/2025 12:44	WG2534740
GACO0606T161S012	L1867312-33	Lead-214	0.855		0.160	0.160	0.188	0.0863	06/10/2025 12:44	WG2534740
GACO0606T161S012	L1867312-33	Thorium-234 (U-238)	0.0362	U	0.987	0.987	2.27	0.907	06/10/2025 12:44	WG2534740
GACO0606T161S012	L1867312-33	Radium-226 (186 KeV)	1.67		0.638	0.638	1.06	0.500	06/10/2025 12:44	WG2534740
GACO0606T161S013	L1867312-34	Actinium-228 (Ra-228)	0.802		0.309	0.309	0.608	0.270	06/10/2025 12:45	WG2534740
GACO0606T161S013	L1867312-34	Bismuth-214 (Ra-226)	0.691		0.209	0.209	0.304	0.137	06/10/2025 12:45	WG2534740
GACO0606T161S013	L1867312-34	Lead-214	0.691		0.177	0.177	0.273	0.124	06/10/2025 12:45	WG2534740
GACO0606T161S013	L1867312-34	Thorium-234 (U-238)	1.78	J	1.45	1.45	2.76	1.09	06/10/2025 12:45	WG2534740
GACO0606T161S013	L1867312-34	Radium-226 (186 KeV)	0.505	U	0.909	0.909	1.72	0.807	06/10/2025 12:45	WG2534740
GACO0606T161C013	L1867312-35	Actinium-228 (Ra-228)	1.04		0.229	0.229	0.380	0.170	06/10/2025 12:45	WG2534740
GACO0606T161C013	L1867312-35	Bismuth-214 (Ra-226)	0.593		0.150	0.150	0.220	0.101	06/10/2025 12:45	WG2534740
GACO0606T161C013	L1867312-35	Lead-214	0.630		0.134	0.134	0.207	0.0952	06/10/2025 12:45	WG2534740
GACO0606T161C013	L1867312-35	Thorium-234 (U-238)	-1.46	U	1.26	1.26	2.72	1.08	06/10/2025 12:45	WG2534740
GACO0606T161C013	L1867312-35	Radium-226 (186 KeV)	1.11	J	0.719	0.719	1.30	0.610	06/10/2025 12:45	WG2534740
GACO0606T161S014	L1867312-36	Actinium-228 (Ra-228)	0.982		0.261	0.261	0.380	0.159	06/10/2025 12:45	WG2534740
GACO0606T161S014	L1867312-36	Bismuth-214 (Ra-226)	0.833		0.186	0.186	0.224	0.0983	06/10/2025 12:45	WG2534740
GACO0606T161S014	L1867312-36	Lead-214	0.898		0.157	0.157	0.188	0.0829	06/10/2025 12:45	WG2534740
GACO0606T161S014	L1867312-36	Thorium-234 (U-238)	1.71	J	1.12	1.12	1.91	0.745	06/10/2025 12:45	WG2534740
GACO0606T161S014	L1867312-36	Radium-226 (186 KeV)	1.04	J	0.663	0.663	1.17	0.540	06/10/2025 12:45	WG2534740

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Wet Chemistry by Method 4500NOrg D-2021

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S001	L1867312-01	Kjeldahl Nitrogen, TKN	1500		120	5	06/10/2025 10:23	WG2533901

DETECTION SUMMARY

Wet Chemistry by Method 4500NOrg D-2021

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S002	L1867312-02	Kjeldahl Nitrogen, TKN	2260		117	5	06/10/2025 10:25	WG2533901
GACO0606T161S003	L1867312-03	Kjeldahl Nitrogen, TKN	1880		120	5	06/10/2025 10:27	WG2533901
GACO0606T161C003	L1867312-04	Kjeldahl Nitrogen, TKN	1520		114	5	06/10/2025 10:28	WG2533901
GACO0606T161S004	L1867312-05	Kjeldahl Nitrogen, TKN	1380		117	5	06/10/2025 10:30	WG2533901
GACO0606T161S005	L1867312-07	Kjeldahl Nitrogen, TKN	1450		120	5	06/10/2025 13:12	WG2533907
GACO0606T161S006	L1867312-08	Kjeldahl Nitrogen, TKN	496	J6	23.3	1	06/10/2025 13:16	WG2533907
GACO0606T161S007	L1867312-09	Kjeldahl Nitrogen, TKN	2850		122	5	06/10/2025 12:23	WG2533911
GACO0606T161S008	L1867312-11	Kjeldahl Nitrogen, TKN	1880		122	5	06/10/2025 13:20	WG2533907
GACO0606T161S009	L1867312-12	Kjeldahl Nitrogen, TKN	2530		126	5	06/10/2025 13:24	WG2533907
GACO0606T161S010	L1867312-13	Kjeldahl Nitrogen, TKN	1470		117	5	06/10/2025 13:26	WG2533907
GACO0606T161S011	L1867312-14	Kjeldahl Nitrogen, TKN	1790		123	5	06/10/2025 13:27	WG2533907
GACO0606T161S012	L1867312-15	Kjeldahl Nitrogen, TKN	1740		119	5	06/10/2025 13:29	WG2533907
GACO0606T161S013	L1867312-17	Kjeldahl Nitrogen, TKN	1600		122	5	06/10/2025 13:31	WG2533907
GACO0606T161C013	L1867312-18	Kjeldahl Nitrogen, TKN	2320		124	5	06/10/2025 13:33	WG2533907
GACO0606T161S014	L1867312-19	Kjeldahl Nitrogen, TKN	1330		125	5	06/10/2025 13:35	WG2533907

Wet Chemistry by Method 9050AMod

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0606T161S001	L1867312-01	Specific Conductance	400	umhos/cm		10.0	1	06/12/2025 12:35	WG2536691
GACO0606T161S002	L1867312-02	Specific Conductance	364	umhos/cm		10.0	1	06/12/2025 12:35	WG2536691
GACO0606T161S003	L1867312-03	Specific Conductance	350	umhos/cm		10.0	1	06/12/2025 12:35	WG2536691
GACO0606T161C003	L1867312-04	Specific Conductance	456	umhos/cm		10.0	1	06/12/2025 12:35	WG2536691
GACO0606T161S004	L1867312-05	Specific Conductance	396	umhos/cm		10.0	1	06/12/2025 12:35	WG2536691
GACO0606T161S005	L1867312-07	Specific Conductance	7200	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693
GACO0606T161S006	L1867312-08	Specific Conductance	464	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693
GACO0606T161S007	L1867312-09	Specific Conductance	3610	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693
GACO0606T161S008	L1867312-11	Specific Conductance	3160	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693
GACO0606T161S009	L1867312-12	Specific Conductance	4140	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693
GACO0606T161S010	L1867312-13	Specific Conductance	579	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693
GACO0606T161S011	L1867312-14	Specific Conductance	556	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693
GACO0606T161S012	L1867312-15	Specific Conductance	474	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693
GACO0606T161S013	L1867312-17	Specific Conductance	630	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693
GACO0606T161C013	L1867312-18	Specific Conductance	404	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693
GACO0606T161S014	L1867312-19	Specific Conductance	398	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Wet Chemistry by Method WALKLEY-BLACK

Client ID	Lab Sample ID	Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S001	L1867312-01	TOC By Walkley Black	11200		400	4	06/08/2025 19:33	WG2533332
GACO0606T161S002	L1867312-02	TOC By Walkley Black	15000		500	5	06/08/2025 19:33	WG2533332
GACO0606T161S003	L1867312-03	TOC By Walkley Black	15300		500	5	06/08/2025 19:33	WG2533332
GACO0606T161C003	L1867312-04	TOC By Walkley Black	10300		500	5	06/08/2025 19:34	WG2533332
GACO0606T161S004	L1867312-05	TOC By Walkley Black	11600		400	4	06/08/2025 19:34	WG2533332
GACO0606T161S005	L1867312-07	TOC By Walkley Black	10100		500	5	06/08/2025 19:34	WG2533332
GACO0606T161S006	L1867312-08	TOC By Walkley Black	4750		400	4	06/08/2025 19:35	WG2533332
GACO0606T161S007	L1867312-09	TOC By Walkley Black	19000		500	5	06/08/2025 19:35	WG2533332
GACO0606T161S008	L1867312-11	TOC By Walkley Black	14900		400	4	06/08/2025 19:36	WG2533332
GACO0606T161S009	L1867312-12	TOC By Walkley Black	22800		400	4	06/08/2025 19:37	WG2533332
GACO0606T161S010	L1867312-13	TOC By Walkley Black	12300		400	4	06/08/2025 19:37	WG2533332
GACO0606T161S011	L1867312-14	TOC By Walkley Black	15800		400	4	06/08/2025 19:37	WG2533332
GACO0606T161S012	L1867312-15	TOC By Walkley Black	14600		500	5	06/08/2025 19:38	WG2533332
GACO0606T161S013	L1867312-17	TOC By Walkley Black	11400		400	4	06/08/2025 19:38	WG2533332
GACO0606T161C013	L1867312-18	TOC By Walkley Black	14600		500	5	06/08/2025 19:38	WG2533332



DETECTION SUMMARY

Wet Chemistry by Method WALKLEY-BLACK

Client ID	Lab Sample ID	Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S014	L1867312-19	TOC By Walkley Black	14700		500	5	06/08/2025 19:39	WG2533332

Metals (ICP) by Method 6010B-NE493 Ch 2

Client ID	Lab Sample ID	Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
GACO0606T161S001	L1867312-01	Hot Water Sol. Boron	0.935		0.200	1	06/12/2025 02:12	WG2536066
GACO0606T161S002	L1867312-02	Hot Water Sol. Boron	0.900		0.200	1	06/12/2025 02:15	WG2536066
GACO0606T161S003	L1867312-03	Hot Water Sol. Boron	0.919		0.200	1	06/12/2025 02:17	WG2536066
GACO0606T161C003	L1867312-04	Hot Water Sol. Boron	0.768		0.200	1	06/12/2025 02:20	WG2536066
GACO0606T161S004	L1867312-05	Hot Water Sol. Boron	0.883		0.200	1	06/12/2025 02:28	WG2536066
GACO0606T161S005	L1867312-07	Hot Water Sol. Boron	2.94		0.200	1	06/12/2025 02:31	WG2536066
GACO0606T161S006	L1867312-08	Hot Water Sol. Boron	0.805		0.200	1	06/12/2025 02:34	WG2536066
GACO0606T161S007	L1867312-09	Hot Water Sol. Boron	1.75		0.200	1	06/12/2025 02:37	WG2536066
GACO0606T161S008	L1867312-11	Hot Water Sol. Boron	1.59		0.200	1	06/12/2025 02:40	WG2536066
GACO0606T161S009	L1867312-12	Hot Water Sol. Boron	1.53		0.200	1	06/12/2025 02:43	WG2536066
GACO0606T161S010	L1867312-13	Hot Water Sol. Boron	1.73		0.200	1	06/12/2025 02:46	WG2536066
GACO0606T161S011	L1867312-14	Hot Water Sol. Boron	1.24		0.200	1	06/12/2025 02:48	WG2536066
GACO0606T161S012	L1867312-15	Hot Water Sol. Boron	1.19		0.200	1	06/12/2025 02:51	WG2536066
GACO0606T161S013	L1867312-17	Hot Water Sol. Boron	1.29		0.200	1	06/12/2025 02:54	WG2536066
GACO0606T161C013	L1867312-18	Hot Water Sol. Boron	1.33		0.200	1	06/12/2025 03:02	WG2536066
GACO0606T161S014	L1867312-19	Hot Water Sol. Boron	0.996		0.200	1	06/12/2025 03:04	WG2536066

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S001	L1867312-01	Aluminum	11400		23.9	1	06/07/2025 21:01	WG2533358
GACO0606T161S001	L1867312-01	Beryllium	0.657		0.239	1	06/07/2025 21:01	WG2533358
GACO0606T161S001	L1867312-01	Calcium	5300		120	1	06/07/2025 21:01	WG2533358
GACO0606T161S001	L1867312-01	Chromium	11.4		1.20	1	06/07/2025 21:01	WG2533358
GACO0606T161S001	L1867312-01	Cobalt	4.98		1.20	1	06/07/2025 21:01	WG2533358
GACO0606T161S001	L1867312-01	Iron	16400		12.0	1	06/07/2025 21:01	WG2533358
GACO0606T161S001	L1867312-01	Magnesium	3230		120	1	06/07/2025 21:01	WG2533358
GACO0606T161S001	L1867312-01	Manganese	295		1.20	1	06/07/2025 21:01	WG2533358
GACO0606T161S001	L1867312-01	Potassium	2670		120	1	06/07/2025 21:01	WG2533358
GACO0606T161S001	L1867312-01	Sodium	164		120	1	06/07/2025 21:01	WG2533358
GACO0606T161S001	L1867312-01	Vanadium	27.1		2.39	1	06/07/2025 21:01	WG2533358
GACO0606T161S002	L1867312-02	Aluminum	6830		23.4	1	06/07/2025 21:07	WG2533358
GACO0606T161S002	L1867312-02	Beryllium	0.466		0.234	1	06/07/2025 21:07	WG2533358
GACO0606T161S002	L1867312-02	Calcium	12800		117	1	06/07/2025 21:07	WG2533358
GACO0606T161S002	L1867312-02	Chromium	6.96		1.17	1	06/07/2025 21:07	WG2533358
GACO0606T161S002	L1867312-02	Cobalt	4.02		1.17	1	06/07/2025 21:07	WG2533358
GACO0606T161S002	L1867312-02	Iron	9650		11.7	1	06/07/2025 21:07	WG2533358
GACO0606T161S002	L1867312-02	Magnesium	2500		117	1	06/07/2025 21:07	WG2533358
GACO0606T161S002	L1867312-02	Manganese	258		1.17	1	06/07/2025 21:07	WG2533358
GACO0606T161S002	L1867312-02	Potassium	1470		117	1	06/07/2025 21:07	WG2533358
GACO0606T161S002	L1867312-02	Sodium	196		117	1	06/07/2025 21:07	WG2533358
GACO0606T161S002	L1867312-02	Vanadium	16.1		2.34	1	06/07/2025 21:07	WG2533358



DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S003	L1867312-03	Aluminum	8900		23.9	1	06/07/2025 21:09	WG2533358
GACO0606T161S003	L1867312-03	Beryllium	0.585		0.239	1	06/07/2025 21:09	WG2533358
GACO0606T161S003	L1867312-03	Calcium	16000		120	1	06/07/2025 21:09	WG2533358
GACO0606T161S003	L1867312-03	Chromium	8.79		1.20	1	06/07/2025 21:09	WG2533358
GACO0606T161S003	L1867312-03	Cobalt	4.41		1.20	1	06/07/2025 21:09	WG2533358
GACO0606T161S003	L1867312-03	Iron	12800		12.0	1	06/07/2025 21:09	WG2533358
GACO0606T161S003	L1867312-03	Magnesium	3380		120	1	06/07/2025 21:09	WG2533358
GACO0606T161S003	L1867312-03	Manganese	187		1.20	1	06/07/2025 21:09	WG2533358
GACO0606T161S003	L1867312-03	Potassium	1650		120	1	06/07/2025 21:09	WG2533358
GACO0606T161S003	L1867312-03	Sodium	182		120	1	06/07/2025 21:09	WG2533358
GACO0606T161S003	L1867312-03	Vanadium	22.3		2.39	1	06/07/2025 21:09	WG2533358
GACO0606T161C003	L1867312-04	Aluminum	12000		22.9	1	06/07/2025 21:11	WG2533358
GACO0606T161C003	L1867312-04	Beryllium	0.612		0.229	1	06/07/2025 21:11	WG2533358
GACO0606T161C003	L1867312-04	Calcium	13600		114	1	06/07/2025 21:11	WG2533358
GACO0606T161C003	L1867312-04	Chromium	11.6		1.14	1	06/07/2025 21:11	WG2533358
GACO0606T161C003	L1867312-04	Cobalt	4.90		1.14	1	06/07/2025 21:11	WG2533358
GACO0606T161C003	L1867312-04	Iron	13900		11.4	1	06/07/2025 21:11	WG2533358
GACO0606T161C003	L1867312-04	Magnesium	3470		114	1	06/07/2025 21:11	WG2533358
GACO0606T161C003	L1867312-04	Manganese	226		1.14	1	06/07/2025 21:11	WG2533358
GACO0606T161C003	L1867312-04	Potassium	1960		114	1	06/07/2025 21:11	WG2533358
GACO0606T161C003	L1867312-04	Sodium	239		114	1	06/07/2025 21:11	WG2533358
GACO0606T161C003	L1867312-04	Vanadium	27.3		2.29	1	06/07/2025 21:11	WG2533358
GACO0606T161S004	L1867312-05	Aluminum	6140		23.3	1	06/07/2025 21:12	WG2533358
GACO0606T161S004	L1867312-05	Beryllium	0.576		0.233	1	06/07/2025 21:12	WG2533358
GACO0606T161S004	L1867312-05	Calcium	3210		117	1	06/07/2025 21:12	WG2533358
GACO0606T161S004	L1867312-05	Chromium	6.43		1.17	1	06/07/2025 21:12	WG2533358
GACO0606T161S004	L1867312-05	Cobalt	4.25		1.17	1	06/07/2025 21:12	WG2533358
GACO0606T161S004	L1867312-05	Iron	19800		11.7	1	06/07/2025 21:12	WG2533358
GACO0606T161S004	L1867312-05	Magnesium	2000		117	1	06/07/2025 21:12	WG2533358
GACO0606T161S004	L1867312-05	Manganese	427		1.17	1	06/07/2025 21:12	WG2533358
GACO0606T161S004	L1867312-05	Potassium	1490		117	1	06/07/2025 21:12	WG2533358
GACO0606T161S004	L1867312-05	Sodium	149		117	1	06/07/2025 21:12	WG2533358
GACO0606T161S004	L1867312-05	Vanadium	27.1		2.33	1	06/07/2025 21:12	WG2533358
GACO0606T161S005	L1867312-07	Aluminum	6480		24.1	1	06/07/2025 21:14	WG2533358
GACO0606T161S005	L1867312-07	Beryllium	0.429		0.241	1	06/07/2025 21:14	WG2533358
GACO0606T161S005	L1867312-07	Calcium	9490		120	1	06/07/2025 21:14	WG2533358
GACO0606T161S005	L1867312-07	Chromium	6.78		1.20	1	06/07/2025 21:14	WG2533358
GACO0606T161S005	L1867312-07	Cobalt	3.79		1.20	1	06/07/2025 21:14	WG2533358
GACO0606T161S005	L1867312-07	Iron	12100		12.0	1	06/07/2025 21:14	WG2533358
GACO0606T161S005	L1867312-07	Magnesium	4050		120	1	06/07/2025 21:14	WG2533358
GACO0606T161S005	L1867312-07	Manganese	264		1.20	1	06/07/2025 21:14	WG2533358
GACO0606T161S005	L1867312-07	Potassium	2080		120	1	06/07/2025 21:14	WG2533358
GACO0606T161S005	L1867312-07	Sodium	1500		120	1	06/07/2025 21:14	WG2533358
GACO0606T161S005	L1867312-07	Vanadium	16.5		2.41	1	06/07/2025 21:14	WG2533358
GACO0606T161S006	L1867312-08	Aluminum	4550		23.3	1	06/07/2025 21:16	WG2533358
GACO0606T161S006	L1867312-08	Beryllium	0.308		0.233	1	06/07/2025 21:16	WG2533358
GACO0606T161S006	L1867312-08	Calcium	6610		117	1	06/07/2025 21:16	WG2533358
GACO0606T161S006	L1867312-08	Chromium	6.59		1.17	1	06/07/2025 21:16	WG2533358
GACO0606T161S006	L1867312-08	Cobalt	2.94		1.17	1	06/07/2025 21:16	WG2533358
GACO0606T161S006	L1867312-08	Iron	9060		11.7	1	06/07/2025 21:16	WG2533358
GACO0606T161S006	L1867312-08	Magnesium	1900		117	1	06/07/2025 21:16	WG2533358
GACO0606T161S006	L1867312-08	Manganese	176		1.17	1	06/07/2025 21:16	WG2533358
GACO0606T161S006	L1867312-08	Potassium	1410		117	1	06/07/2025 21:16	WG2533358
GACO0606T161S006	L1867312-08	Sodium	126		117	1	06/07/2025 21:16	WG2533358
GACO0606T161S006	L1867312-08	Vanadium	13.9		2.33	1	06/07/2025 21:16	WG2533358



DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S007	L1867312-09	Aluminum	11300	V	24.4	1	06/07/2025 20:49	WG2533358
GACO0606T161S007	L1867312-09	Beryllium	0.688		0.244	1	06/07/2025 20:49	WG2533358
GACO0606T161S007	L1867312-09	Calcium	9910	V	122	1	06/07/2025 20:49	WG2533358
GACO0606T161S007	L1867312-09	Chromium	11.2		1.22	1	06/07/2025 20:49	WG2533358
GACO0606T161S007	L1867312-09	Cobalt	5.65		1.22	1	06/07/2025 20:49	WG2533358
GACO0606T161S007	L1867312-09	Iron	14500	J3 O1 V	12.2	1	06/07/2025 20:49	WG2533358
GACO0606T161S007	L1867312-09	Magnesium	4120	J6	122	1	06/07/2025 20:49	WG2533358
GACO0606T161S007	L1867312-09	Manganese	394	J3 J6	1.22	1	06/07/2025 20:49	WG2533358
GACO0606T161S007	L1867312-09	Potassium	3430	J6	122	1	06/07/2025 20:49	WG2533358
GACO0606T161S007	L1867312-09	Sodium	509		122	1	06/07/2025 20:49	WG2533358
GACO0606T161S007	L1867312-09	Vanadium	23.6		2.44	1	06/07/2025 20:49	WG2533358
GACO0606T161S008	L1867312-11	Aluminum	7150		24.5	1	06/07/2025 21:18	WG2533358
GACO0606T161S008	L1867312-11	Beryllium	0.495		0.245	1	06/07/2025 21:18	WG2533358
GACO0606T161S008	L1867312-11	Calcium	10800		122	1	06/07/2025 21:18	WG2533358
GACO0606T161S008	L1867312-11	Chromium	7.80		1.22	1	06/07/2025 21:18	WG2533358
GACO0606T161S008	L1867312-11	Cobalt	4.24		1.22	1	06/07/2025 21:18	WG2533358
GACO0606T161S008	L1867312-11	Iron	12100		12.2	1	06/07/2025 21:18	WG2533358
GACO0606T161S008	L1867312-11	Magnesium	3500		122	1	06/07/2025 21:18	WG2533358
GACO0606T161S008	L1867312-11	Manganese	290		1.22	1	06/07/2025 21:18	WG2533358
GACO0606T161S008	L1867312-11	Potassium	2440		122	1	06/07/2025 21:18	WG2533358
GACO0606T161S008	L1867312-11	Sodium	223		122	1	06/07/2025 21:18	WG2533358
GACO0606T161S008	L1867312-11	Vanadium	19.5		2.45	1	06/07/2025 21:18	WG2533358
GACO0606T161S009	L1867312-12	Aluminum	11900		25.2	1	06/07/2025 21:20	WG2533358
GACO0606T161S009	L1867312-12	Beryllium	0.664		0.252	1	06/07/2025 21:20	WG2533358
GACO0606T161S009	L1867312-12	Calcium	8570		126	1	06/07/2025 21:20	WG2533358
GACO0606T161S009	L1867312-12	Chromium	11.8		1.26	1	06/07/2025 21:20	WG2533358
GACO0606T161S009	L1867312-12	Cobalt	5.78		1.26	1	06/07/2025 21:20	WG2533358
GACO0606T161S009	L1867312-12	Iron	13000		12.6	1	06/07/2025 21:20	WG2533358
GACO0606T161S009	L1867312-12	Magnesium	4070		126	1	06/07/2025 21:20	WG2533358
GACO0606T161S009	L1867312-12	Manganese	339		1.26	1	06/07/2025 21:20	WG2533358
GACO0606T161S009	L1867312-12	Potassium	3520		126	1	06/07/2025 21:20	WG2533358
GACO0606T161S009	L1867312-12	Sodium	812		126	1	06/07/2025 21:20	WG2533358
GACO0606T161S009	L1867312-12	Vanadium	21.8		2.52	1	06/07/2025 21:20	WG2533358
GACO0606T161S010	L1867312-13	Aluminum	9180		23.4	1	06/07/2025 21:21	WG2533358
GACO0606T161S010	L1867312-13	Beryllium	0.519		0.234	1	06/07/2025 21:21	WG2533358
GACO0606T161S010	L1867312-13	Calcium	11900		117	1	06/07/2025 21:21	WG2533358
GACO0606T161S010	L1867312-13	Chromium	8.74		1.17	1	06/07/2025 21:21	WG2533358
GACO0606T161S010	L1867312-13	Cobalt	4.39		1.17	1	06/07/2025 21:21	WG2533358
GACO0606T161S010	L1867312-13	Iron	11400		11.7	1	06/07/2025 21:21	WG2533358
GACO0606T161S010	L1867312-13	Magnesium	3220		117	1	06/07/2025 21:21	WG2533358
GACO0606T161S010	L1867312-13	Manganese	286		1.17	1	06/07/2025 21:21	WG2533358
GACO0606T161S010	L1867312-13	Potassium	3200		117	1	06/07/2025 21:21	WG2533358
GACO0606T161S010	L1867312-13	Sodium	128		117	1	06/07/2025 21:21	WG2533358
GACO0606T161S010	L1867312-13	Vanadium	18.5		2.34	1	06/07/2025 21:21	WG2533358
GACO0606T161S011	L1867312-14	Aluminum	7530		24.6	1	06/07/2025 21:23	WG2533358
GACO0606T161S011	L1867312-14	Beryllium	0.482		0.246	1	06/07/2025 21:23	WG2533358
GACO0606T161S011	L1867312-14	Calcium	19700		123	1	06/07/2025 21:23	WG2533358
GACO0606T161S011	L1867312-14	Chromium	8.56		1.23	1	06/07/2025 21:23	WG2533358
GACO0606T161S011	L1867312-14	Cobalt	3.91		1.23	1	06/07/2025 21:23	WG2533358
GACO0606T161S011	L1867312-14	Iron	11600		12.3	1	06/07/2025 21:23	WG2533358
GACO0606T161S011	L1867312-14	Magnesium	2840		123	1	06/07/2025 21:23	WG2533358
GACO0606T161S011	L1867312-14	Manganese	215		1.23	1	06/07/2025 21:23	WG2533358
GACO0606T161S011	L1867312-14	Potassium	2080		123	1	06/07/2025 21:23	WG2533358
GACO0606T161S011	L1867312-14	Sodium	123		123	1	06/07/2025 21:23	WG2533358
GACO0606T161S011	L1867312-14	Vanadium	19.2		2.46	1	06/07/2025 21:23	WG2533358

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S012	L1867312-15	Aluminum	8390		23.7	1	06/07/2025 21:29	WG2533358
GACO0606T161S012	L1867312-15	Beryllium	0.678		0.237	1	06/07/2025 21:29	WG2533358
GACO0606T161S012	L1867312-15	Calcium	3890		119	1	06/07/2025 21:29	WG2533358
GACO0606T161S012	L1867312-15	Chromium	8.54		1.19	1	06/07/2025 21:29	WG2533358
GACO0606T161S012	L1867312-15	Cobalt	4.61		1.19	1	06/07/2025 21:29	WG2533358
GACO0606T161S012	L1867312-15	Iron	22800		11.9	1	06/07/2025 21:29	WG2533358
GACO0606T161S012	L1867312-15	Magnesium	2740		119	1	06/07/2025 21:29	WG2533358
GACO0606T161S012	L1867312-15	Manganese	538		1.19	1	06/07/2025 21:29	WG2533358
GACO0606T161S012	L1867312-15	Potassium	2330		119	1	06/07/2025 21:29	WG2533358
GACO0606T161S012	L1867312-15	Sodium	152		119	1	06/07/2025 21:29	WG2533358
GACO0606T161S012	L1867312-15	Vanadium	32.4		2.37	1	06/07/2025 21:29	WG2533358
GACO0606T161S013	L1867312-17	Aluminum	10500		24.4	1	06/07/2025 21:31	WG2533358
GACO0606T161S013	L1867312-17	Beryllium	0.742		0.244	1	06/07/2025 21:31	WG2533358
GACO0606T161S013	L1867312-17	Calcium	13800		122	1	06/07/2025 21:31	WG2533358
GACO0606T161S013	L1867312-17	Chromium	9.88		1.22	1	06/07/2025 21:31	WG2533358
GACO0606T161S013	L1867312-17	Cobalt	5.45		1.22	1	06/07/2025 21:31	WG2533358
GACO0606T161S013	L1867312-17	Iron	29500		12.2	1	06/07/2025 21:31	WG2533358
GACO0606T161S013	L1867312-17	Magnesium	4190		122	1	06/07/2025 21:31	WG2533358
GACO0606T161S013	L1867312-17	Manganese	583		1.22	1	06/07/2025 21:31	WG2533358
GACO0606T161S013	L1867312-17	Potassium	2960		122	1	06/07/2025 21:31	WG2533358
GACO0606T161S013	L1867312-17	Sodium	239		122	1	06/07/2025 21:31	WG2533358
GACO0606T161S013	L1867312-17	Vanadium	32.0		2.44	1	06/07/2025 21:31	WG2533358
GACO0606T161C013	L1867312-18	Aluminum	9300		24.8	1	06/07/2025 21:32	WG2533358
GACO0606T161C013	L1867312-18	Beryllium	0.531		0.248	1	06/07/2025 21:32	WG2533358
GACO0606T161C013	L1867312-18	Calcium	11100		124	1	06/07/2025 21:32	WG2533358
GACO0606T161C013	L1867312-18	Chromium	9.11		1.24	1	06/07/2025 21:32	WG2533358
GACO0606T161C013	L1867312-18	Cobalt	4.42		1.24	1	06/07/2025 21:32	WG2533358
GACO0606T161C013	L1867312-18	Iron	12700		12.4	1	06/07/2025 21:32	WG2533358
GACO0606T161C013	L1867312-18	Magnesium	3400		124	1	06/07/2025 21:32	WG2533358
GACO0606T161C013	L1867312-18	Manganese	287		1.24	1	06/07/2025 21:32	WG2533358
GACO0606T161C013	L1867312-18	Potassium	2990		124	1	06/07/2025 21:32	WG2533358
GACO0606T161C013	L1867312-18	Sodium	125		124	1	06/07/2025 21:32	WG2533358
GACO0606T161C013	L1867312-18	Vanadium	20.0		2.48	1	06/07/2025 21:32	WG2533358
GACO0606T161S014	L1867312-19	Aluminum	13000		25.0	1	06/07/2025 21:34	WG2533358
GACO0606T161S014	L1867312-19	Beryllium	0.637		0.250	1	06/07/2025 21:34	WG2533358
GACO0606T161S014	L1867312-19	Calcium	14000		125	1	06/07/2025 21:34	WG2533358
GACO0606T161S014	L1867312-19	Chromium	12.6		1.25	1	06/07/2025 21:34	WG2533358
GACO0606T161S014	L1867312-19	Cobalt	5.07		1.25	1	06/07/2025 21:34	WG2533358
GACO0606T161S014	L1867312-19	Iron	13900		12.5	1	06/07/2025 21:34	WG2533358
GACO0606T161S014	L1867312-19	Magnesium	4210		125	1	06/07/2025 21:34	WG2533358
GACO0606T161S014	L1867312-19	Manganese	248		1.25	1	06/07/2025 21:34	WG2533358
GACO0606T161S014	L1867312-19	Potassium	3460		125	1	06/07/2025 21:34	WG2533358
GACO0606T161S014	L1867312-19	Sodium	160		125	1	06/07/2025 21:34	WG2533358
GACO0606T161S014	L1867312-19	Vanadium	24.4		2.50	1	06/07/2025 21:34	WG2533358

¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S001	L1867312-01	Arsenic	4.91		0.120	5	06/12/2025 20:49	WG2537275
GACO0606T161S001	L1867312-01	Barium	83.7		12.0	5	06/12/2025 20:49	WG2537275
GACO0606T161S001	L1867312-01	Cadmium	0.274		0.120	5	06/12/2025 20:49	WG2537275
GACO0606T161S001	L1867312-01	Copper	33.3		12.0	5	06/12/2025 20:49	WG2537275
GACO0606T161S001	L1867312-01	Selenium	0.544		0.120	5	06/12/2025 20:49	WG2537275

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S002	L1867312-02	Arsenic	3.79		0.117	5	06/12/2025 21:00	WG2537275
GACO0606T161S002	L1867312-02	Barium	72.3		11.7	5	06/12/2025 21:00	WG2537275
GACO0606T161S002	L1867312-02	Cadmium	0.200		0.117	5	06/12/2025 21:00	WG2537275
GACO0606T161S002	L1867312-02	Selenium	0.322		0.117	5	06/12/2025 21:00	WG2537275
GACO0606T161S003	L1867312-03	Arsenic	5.45		0.120	5	06/12/2025 21:03	WG2537275
GACO0606T161S003	L1867312-03	Barium	106		12.0	5	06/12/2025 21:03	WG2537275
GACO0606T161S003	L1867312-03	Cadmium	0.211		0.120	5	06/12/2025 21:03	WG2537275
GACO0606T161S003	L1867312-03	Copper	12.7		12.0	5	06/12/2025 21:03	WG2537275
GACO0606T161S003	L1867312-03	Selenium	0.502		0.120	5	06/12/2025 21:03	WG2537275
GACO0606T161C003	L1867312-04	Arsenic	5.95		0.114	5	06/12/2025 21:06	WG2537275
GACO0606T161C003	L1867312-04	Barium	106		11.4	5	06/12/2025 21:06	WG2537275
GACO0606T161C003	L1867312-04	Cadmium	0.194		0.114	5	06/12/2025 21:06	WG2537275
GACO0606T161C003	L1867312-04	Selenium	0.474		0.114	5	06/12/2025 21:06	WG2537275
GACO0606T161S004	L1867312-05	Arsenic	5.54		0.117	5	06/12/2025 21:09	WG2537275
GACO0606T161S004	L1867312-05	Barium	63.4		11.7	5	06/12/2025 21:09	WG2537275
GACO0606T161S004	L1867312-05	Cadmium	0.345		0.117	5	06/12/2025 21:09	WG2537275
GACO0606T161S004	L1867312-05	Copper	18.4		11.7	5	06/12/2025 21:09	WG2537275
GACO0606T161S004	L1867312-05	Selenium	0.401		0.117	5	06/12/2025 21:09	WG2537275
GACO0606T161S004	L1867312-05	Zinc	60.7		58.3	5	06/12/2025 21:09	WG2537275
GACO0606T161S005	L1867312-07	Arsenic	3.60		0.120	5	06/12/2025 21:12	WG2537275
GACO0606T161S005	L1867312-07	Barium	71.6		12.0	5	06/12/2025 21:12	WG2537275
GACO0606T161S005	L1867312-07	Cadmium	0.242		0.120	5	06/12/2025 21:12	WG2537275
GACO0606T161S005	L1867312-07	Copper	31.7		12.0	5	06/12/2025 21:12	WG2537275
GACO0606T161S005	L1867312-07	Selenium	0.483		0.120	5	06/12/2025 21:12	WG2537275
GACO0606T161S006	L1867312-08	Arsenic	3.40		0.117	5	06/12/2025 21:15	WG2537275
GACO0606T161S006	L1867312-08	Barium	1010		11.7	5	06/12/2025 21:15	WG2537275
GACO0606T161S006	L1867312-08	Cadmium	0.141		0.117	5	06/12/2025 21:15	WG2537275
GACO0606T161S006	L1867312-08	Selenium	0.489		0.117	5	06/12/2025 21:15	WG2537275
GACO0606T161S007	L1867312-09	Arsenic	4.38		0.122	5	06/12/2025 20:27	WG2537275
GACO0606T161S007	L1867312-09	Barium	106	J6	12.2	5	06/12/2025 20:27	WG2537275
GACO0606T161S007	L1867312-09	Cadmium	0.364		0.122	5	06/12/2025 20:27	WG2537275
GACO0606T161S007	L1867312-09	Copper	12.9		12.2	5	06/12/2025 20:27	WG2537275
GACO0606T161S007	L1867312-09	Selenium	0.482		0.122	5	06/12/2025 20:27	WG2537275
GACO0606T161S008	L1867312-11	Arsenic	4.65		0.122	5	06/12/2025 21:18	WG2537275
GACO0606T161S008	L1867312-11	Barium	89.4		12.2	5	06/12/2025 21:18	WG2537275
GACO0606T161S008	L1867312-11	Cadmium	0.241		0.122	5	06/12/2025 21:18	WG2537275
GACO0606T161S008	L1867312-11	Selenium	0.463		0.122	5	06/12/2025 21:18	WG2537275
GACO0606T161S009	L1867312-12	Arsenic	4.04		0.126	5	06/12/2025 21:21	WG2537275
GACO0606T161S009	L1867312-12	Barium	112		12.6	5	06/12/2025 21:21	WG2537275
GACO0606T161S009	L1867312-12	Cadmium	0.330		0.126	5	06/12/2025 21:21	WG2537275
GACO0606T161S009	L1867312-12	Copper	15.1		12.6	5	06/12/2025 21:21	WG2537275
GACO0606T161S009	L1867312-12	Selenium	0.489		0.126	5	06/12/2025 21:21	WG2537275
GACO0606T161S010	L1867312-13	Arsenic	3.12		0.117	5	06/12/2025 21:24	WG2537275
GACO0606T161S010	L1867312-13	Barium	91.5		11.7	5	06/12/2025 21:24	WG2537275
GACO0606T161S010	L1867312-13	Cadmium	0.222		0.117	5	06/12/2025 21:24	WG2537275
GACO0606T161S010	L1867312-13	Selenium	0.436		0.117	5	06/12/2025 21:24	WG2537275
GACO0606T161S011	L1867312-14	Arsenic	4.44		0.123	5	06/12/2025 21:27	WG2537275
GACO0606T161S011	L1867312-14	Barium	90.5		12.3	5	06/12/2025 21:27	WG2537275
GACO0606T161S011	L1867312-14	Cadmium	0.274		0.123	5	06/12/2025 21:27	WG2537275
GACO0606T161S011	L1867312-14	Selenium	0.452		0.123	5	06/12/2025 21:27	WG2537275
GACO0606T161S012	L1867312-15	Arsenic	6.62		0.119	5	06/12/2025 19:51	WG2537275
GACO0606T161S012	L1867312-15	Barium	91.2		11.9	5	06/12/2025 19:51	WG2537275
GACO0606T161S012	L1867312-15	Cadmium	0.394		0.119	5	06/12/2025 19:51	WG2537275
GACO0606T161S012	L1867312-15	Copper	35.2		11.9	5	06/12/2025 19:51	WG2537275
GACO0606T161S012	L1867312-15	Selenium	0.578		0.119	5	06/12/2025 19:51	WG2537275



DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S013	L1867312-17	Arsenic	7.28		0.122	5	06/12/2025 19:54	WG2537275
GACO0606T161S013	L1867312-17	Barium	102		12.2	5	06/12/2025 19:54	WG2537275
GACO0606T161S013	L1867312-17	Cadmium	0.333		0.122	5	06/12/2025 19:54	WG2537275
GACO0606T161S013	L1867312-17	Copper	15.9		12.2	5	06/12/2025 19:54	WG2537275
GACO0606T161S013	L1867312-17	Selenium	0.593		0.122	5	06/12/2025 19:54	WG2537275
GACO0606T161C013	L1867312-18	Arsenic	4.34		0.124	5	06/12/2025 19:57	WG2537275
GACO0606T161C013	L1867312-18	Barium	87.2		12.4	5	06/12/2025 19:57	WG2537275
GACO0606T161C013	L1867312-18	Cadmium	0.245		0.124	5	06/12/2025 19:57	WG2537275
GACO0606T161C013	L1867312-18	Copper	13.2		12.4	5	06/12/2025 19:57	WG2537275
GACO0606T161C013	L1867312-18	Selenium	0.459		0.124	5	06/12/2025 19:57	WG2537275
GACO0606T161S014	L1867312-19	Arsenic	4.80		0.125	5	06/12/2025 20:00	WG2537275
GACO0606T161S014	L1867312-19	Barium	122		12.5	5	06/12/2025 20:00	WG2537275
GACO0606T161S014	L1867312-19	Cadmium	0.241		0.125	5	06/12/2025 20:00	WG2537275
GACO0606T161S014	L1867312-19	Copper	13.5		12.5	5	06/12/2025 20:00	WG2537275
GACO0606T161S014	L1867312-19	Selenium	0.416		0.125	5	06/12/2025 20:00	WG2537275

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S005	L1867312-07	Chloroform	0.00374	B	0.00352	1	06/07/2025 15:56	WG2533283
GACO0606T161S007	L1867312-09	Chloroform	0.00389	B	0.00360	1	06/07/2025 16:33	WG2533283
GACO0606T161S008	L1867312-11	Chloroform	0.00370	B	0.00362	1	06/07/2025 16:52	WG2533283
GACO0606T161S009	L1867312-12	Chloroform	0.00707	B	0.00380	1	06/07/2025 14:43	WG2533297
GACO0606T161S010	L1867312-13	Chloroform	0.00580	B	0.00335	1	06/07/2025 15:02	WG2533297
GACO0606T161S011	L1867312-14	Chloroform	0.00693	B	0.00366	1	06/07/2025 15:22	WG2533297
GACO0606T161S012	L1867312-15	Chloroform	0.00577	B	0.00344	1	06/07/2025 15:41	WG2533297
GACO0606T161S013	L1867312-17	Chloroform	0.00588	B	0.00360	1	06/07/2025 16:00	WG2533297
GACO0606T161C013	L1867312-18	Chloroform	0.00674	B	0.00370	1	06/07/2025 16:20	WG2533297
GACO0606T161S014	L1867312-19	Chloroform	0.00632	B	0.00376	1	06/07/2025 16:39	WG2533297

Semi-Volatile Organic Compounds (GC) by Method 8015M

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T161S001	L1867312-01	C28-C36 Motor Oil Range	60.6		4.78	1	06/08/2025 02:54	WG2533319
GACO0606T161S002	L1867312-02	C10-C28 Diesel Range	6.29		4.68	1	06/08/2025 03:37	WG2533319
GACO0606T161S002	L1867312-02	C28-C36 Motor Oil Range	65.6		4.68	1	06/08/2025 03:37	WG2533319
GACO0606T161S003	L1867312-03	C10-C28 Diesel Range	7.06		4.78	1	06/08/2025 03:51	WG2533319
GACO0606T161S003	L1867312-03	C28-C36 Motor Oil Range	67.9		4.78	1	06/08/2025 03:51	WG2533319
GACO0606T161C003	L1867312-04	C10-C28 Diesel Range	6.06		4.58	1	06/08/2025 04:34	WG2533319
GACO0606T161C003	L1867312-04	C28-C36 Motor Oil Range	53.6		4.58	1	06/08/2025 04:34	WG2533319
GACO0606T161S004	L1867312-05	C28-C36 Motor Oil Range	31.7		4.66	1	06/08/2025 05:31	WG2533319
GACO0606T161S005	L1867312-07	C28-C36 Motor Oil Range	124		62.2	12.9	06/11/2025 13:35	WG2534104
GACO0606T161S006	L1867312-08	C10-C28 Diesel Range	5.16		4.66	1	06/08/2025 06:29	WG2533319
GACO0606T161S006	L1867312-08	C28-C36 Motor Oil Range	42.0		4.66	1	06/08/2025 06:29	WG2533319
GACO0606T161S007	L1867312-09	C28-C36 Motor Oil Range	6.44		4.88	1	06/07/2025 22:38	WG2533319
GACO0606T161S008	L1867312-11	C28-C36 Motor Oil Range	38.1		4.90	1	06/08/2025 02:39	WG2533319
GACO0606T161S009	L1867312-12	C28-C36 Motor Oil Range	28.6		5.04	1	06/08/2025 00:02	WG2533319
GACO0606T161S010	L1867312-13	C10-C28 Diesel Range	14.3		4.68	1	06/08/2025 04:48	WG2533319
GACO0606T161S010	L1867312-13	C28-C36 Motor Oil Range	100		4.68	1	06/08/2025 04:48	WG2533319
GACO0606T161S011	L1867312-14	C28-C36 Motor Oil Range	18.6		4.93	1	06/07/2025 23:47	WG2533319
GACO0606T161S012	L1867312-15	C28-C36 Motor Oil Range	66.1		4.75	1	06/08/2025 00:45	WG2533319
GACO0606T161S013	L1867312-17	C28-C36 Motor Oil Range	25.6		4.88	1	06/08/2025 01:42	WG2533319
GACO0606T161C013	L1867312-18	C10-C28 Diesel Range	5.44		4.96	1	06/08/2025 00:59	WG2533319
GACO0606T161C013	L1867312-18	C28-C36 Motor Oil Range	65.5		4.96	1	06/08/2025 00:59	WG2533319

DETECTION SUMMARY

Semi-Volatile Organic Compounds (GC) by Method 8015M

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GAC00606T161S014	<u>L1867312-19</u>	C28-C36 Motor Oil Range	18.4		5.01	1	06/08/2025 01:56	<u>WG2533319</u>

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.842		1	06/12/2025 13:33	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1500		23.9	1	06/10/2025 10:23	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.6		1	06/07/2025 15:56	WG2533304

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.0	1	06/09/2025 22:30	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1500		120	5	06/10/2025 10:23	WG2533901

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.239	1	06/09/2025 23:52	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.94		1	06/12/2025 08:20	WG2536683

Sample Narrative:

L1867312-01 WG2536683: 7.94 at 21.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	400	umhos/cm		10.0	1	06/12/2025 12:35	WG2536691

Sample Narrative:

L1867312-01 WG2536691: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23.9	1	06/07/2025 20:23	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	11200		400	4	06/08/2025 19:33	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.935		0.200	1	06/12/2025 02:12	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	11400		23.9	1	06/07/2025 21:01	WG2533358
Antimony	ND		2.39	1	06/07/2025 21:01	WG2533358
Beryllium	0.657		0.239	1	06/07/2025 21:01	WG2533358
Calcium	5300		120	1	06/07/2025 21:01	WG2533358
Chromium	11.4		1.20	1	06/07/2025 21:01	WG2533358
Cobalt	4.98		1.20	1	06/07/2025 21:01	WG2533358
Iron	16400		12.0	1	06/07/2025 21:01	WG2533358
Magnesium	3230		120	1	06/07/2025 21:01	WG2533358
Manganese	295		1.20	1	06/07/2025 21:01	WG2533358
Potassium	2670		120	1	06/07/2025 21:01	WG2533358
Sodium	164		120	1	06/07/2025 21:01	WG2533358
Thallium	ND		2.39	1	06/07/2025 21:01	WG2533358
Vanadium	27.1		2.39	1	06/07/2025 21:01	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.91		0.120	5	06/12/2025 20:49	WG2537275
Barium	83.7		12.0	5	06/12/2025 20:49	WG2537275
Cadmium	0.274		0.120	5	06/12/2025 20:49	WG2537275
Copper	33.3		12.0	5	06/12/2025 20:49	WG2537275
Lead	ND		12.0	5	06/12/2025 20:49	WG2537275
Nickel	ND		12.0	5	06/12/2025 20:49	WG2537275
Selenium	0.544		0.120	5	06/12/2025 20:49	WG2537275
Silver	ND		0.598	5	06/12/2025 20:49	WG2537275
Zinc	ND		59.8	5	06/12/2025 20:49	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.48	25	06/07/2025 14:26	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.7		77.0-120		06/07/2025 14:26	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0696	1	06/07/2025 14:41	WG2533283
Acrylonitrile	ND		0.0174	1	06/07/2025 14:41	WG2533283
Benzene	ND		0.00139	1	06/07/2025 14:41	WG2533283
Bromobenzene	ND		0.0174	1	06/07/2025 14:41	WG2533283
Bromodichloromethane	ND		0.00348	1	06/07/2025 14:41	WG2533283
Bromoform	ND		0.0348	1	06/07/2025 14:41	WG2533283
Bromomethane	ND	C3	0.0174	1	06/07/2025 14:41	WG2533283
n-Butylbenzene	ND		0.0174	1	06/07/2025 14:41	WG2533283
sec-Butylbenzene	ND		0.0174	1	06/07/2025 14:41	WG2533283
tert-Butylbenzene	ND		0.00696	1	06/07/2025 14:41	WG2533283
Carbon tetrachloride	ND		0.00696	1	06/07/2025 14:41	WG2533283
Chlorobenzene	ND		0.00348	1	06/07/2025 14:41	WG2533283
Chlorodibromomethane	ND		0.00348	1	06/07/2025 14:41	WG2533283



GACO0606T161S001

SAMPLE RESULTS - 01

Collected date/time: 06/06/25 10:00

L1867312

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3	0.00696	1	06/07/2025 14:41	WG2533283
Chloroform	ND		0.00348	1	06/07/2025 14:41	WG2533283
Chloromethane	ND	C3	0.0174	1	06/07/2025 14:41	WG2533283
2-Chlorotoluene	ND		0.00348	1	06/07/2025 14:41	WG2533283
4-Chlorotoluene	ND		0.00696	1	06/07/2025 14:41	WG2533283
1,2-Dibromo-3-Chloropropane	ND		0.0348	1	06/07/2025 14:41	WG2533283
1,2-Dibromoethane	ND		0.00348	1	06/07/2025 14:41	WG2533283
Dibromomethane	ND		0.00696	1	06/07/2025 14:41	WG2533283
1,2-Dichlorobenzene	ND		0.00696	1	06/07/2025 14:41	WG2533283
1,3-Dichlorobenzene	ND		0.00696	1	06/07/2025 14:41	WG2533283
1,4-Dichlorobenzene	ND		0.00696	1	06/07/2025 14:41	WG2533283
Dichlorodifluoromethane	ND	C3	0.00696	1	06/07/2025 14:41	WG2533283
1,1-Dichloroethane	ND	C3	0.00348	1	06/07/2025 14:41	WG2533283
1,2-Dichloroethane	ND		0.00348	1	06/07/2025 14:41	WG2533283
1,1-Dichloroethene	ND	C3	0.00348	1	06/07/2025 14:41	WG2533283
cis-1,2-Dichloroethene	ND		0.00348	1	06/07/2025 14:41	WG2533283
trans-1,2-Dichloroethene	ND		0.00696	1	06/07/2025 14:41	WG2533283
1,2-Dichloropropane	ND		0.00696	1	06/07/2025 14:41	WG2533283
1,1-Dichloropropene	ND		0.00348	1	06/07/2025 14:41	WG2533283
1,3-Dichloropropane	ND		0.00696	1	06/07/2025 14:41	WG2533283
cis-1,3-Dichloropropene	ND		0.00348	1	06/07/2025 14:41	WG2533283
trans-1,3-Dichloropropene	ND		0.00696	1	06/07/2025 14:41	WG2533283
2,2-Dichloropropane	ND		0.00348	1	06/07/2025 14:41	WG2533283
Di-isopropyl ether	ND		0.00139	1	06/07/2025 14:41	WG2533283
Ethylbenzene	ND		0.0139	1	06/07/2025 14:41	WG2533283
Hexachloro-1,3-butadiene	ND		0.0348	1	06/07/2025 14:41	WG2533283
Isopropylbenzene	ND		0.00348	1	06/07/2025 14:41	WG2533283
p-Isopropyltoluene	ND		0.00696	1	06/07/2025 14:41	WG2533283
2-Butanone (MEK)	ND		0.139	1	06/07/2025 14:41	WG2533283
Methylene Chloride	ND		0.0348	1	06/07/2025 14:41	WG2533283
4-Methyl-2-pentanone (MIBK)	ND		0.0348	1	06/07/2025 14:41	WG2533283
Methyl tert-butyl ether	ND		0.00139	1	06/07/2025 14:41	WG2533283
n-Propylbenzene	ND		0.00696	1	06/07/2025 14:41	WG2533283
Styrene	ND		0.0174	1	06/07/2025 14:41	WG2533283
1,1,1,2-Tetrachloroethane	ND		0.00348	1	06/07/2025 14:41	WG2533283
1,1,2,2-Tetrachloroethane	ND		0.00348	1	06/07/2025 14:41	WG2533283
1,1,2-Trichlorotrifluoroethane	ND		0.00348	1	06/07/2025 14:41	WG2533283
Tetrachloroethene	ND		0.00348	1	06/07/2025 14:41	WG2533283
Toluene	ND		0.0139	1	06/07/2025 14:41	WG2533283
1,2,3-Trichlorobenzene	ND		0.0174	1	06/07/2025 14:41	WG2533283
1,2,4-Trichlorobenzene	ND		0.0174	1	06/07/2025 14:41	WG2533283
1,1,1-Trichloroethane	ND		0.00348	1	06/07/2025 14:41	WG2533283
1,1,2-Trichloroethane	ND		0.00348	1	06/07/2025 14:41	WG2533283
Trichloroethene	ND		0.00139	1	06/07/2025 14:41	WG2533283
Trichlorofluoromethane	ND	C3	0.00348	1	06/07/2025 14:41	WG2533283
1,2,3-Trichloropropane	ND		0.0174	1	06/07/2025 14:41	WG2533283
1,2,3-Trimethylbenzene	ND		0.00696	1	06/07/2025 14:41	WG2533283
1,2,4-Trimethylbenzene	ND		0.00696	1	06/07/2025 14:41	WG2533283
1,3,5-Trimethylbenzene	ND		0.00696	1	06/07/2025 14:41	WG2533283
Vinyl chloride	ND	C3	0.00348	1	06/07/2025 14:41	WG2533283
Xylenes, Total	ND		0.139	1	06/07/2025 14:41	WG2533283
(S) Toluene-d8	106		75.0-131		06/07/2025 14:41	WG2533283
(S) 4-Bromofluorobenzene	99.6		67.0-138		06/07/2025 14:41	WG2533283
(S) 1,2-Dichloroethane-d4	88.3		70.0-130		06/07/2025 14:41	WG2533283

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.78	1	06/08/2025 02:54	WG2533319
C28-C36 Motor Oil Range	60.6		4.78	1	06/08/2025 02:54	WG2533319
(S) o-Terphenyl	67.0		18.0-148		06/08/2025 02:54	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0797	2	06/08/2025 00:13	WG2533313
Benzidine	ND	J4	3.99	2	06/08/2025 00:13	WG2533313
Benzo(g,h,i)perylene	ND		0.0797	2	06/08/2025 00:13	WG2533313
Bis(2-chlorethoxy)methane	ND		0.797	2	06/08/2025 00:13	WG2533313
Bis(2-chloroethyl)ether	ND		0.797	2	06/08/2025 00:13	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.797	2	06/08/2025 00:13	WG2533313
4-Bromophenyl-phenylether	ND		0.797	2	06/08/2025 00:13	WG2533313
2-Chloronaphthalene	ND		0.0797	2	06/08/2025 00:13	WG2533313
4-Chlorophenyl-phenylether	ND		0.797	2	06/08/2025 00:13	WG2533313
1,2-Dichlorobenzene	ND		0.797	2	06/08/2025 00:13	WG2533313
1,3-Dichlorobenzene	ND		0.797	2	06/08/2025 00:13	WG2533313
1,4-Dichlorobenzene	ND		0.797	2	06/08/2025 00:13	WG2533313
3,3-Dichlorobenzidine	ND		0.797	2	06/08/2025 00:13	WG2533313
2,4-Dinitrotoluene	ND		0.797	2	06/08/2025 00:13	WG2533313
2,6-Dinitrotoluene	ND		0.797	2	06/08/2025 00:13	WG2533313
Hexachlorobenzene	ND		0.797	2	06/08/2025 00:13	WG2533313
Hexachloro-1,3-butadiene	ND		0.797	2	06/08/2025 00:13	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.797	2	06/08/2025 00:13	WG2533313
Hexachloroethane	ND		0.797	2	06/08/2025 00:13	WG2533313
Isophorone	ND		0.797	2	06/08/2025 00:13	WG2533313
Nitrobenzene	ND		0.797	2	06/08/2025 00:13	WG2533313
n-Nitrosodimethylamine	ND		0.797	2	06/08/2025 00:13	WG2533313
n-Nitrosodiphenylamine	ND		0.797	2	06/08/2025 00:13	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.797	2	06/08/2025 00:13	WG2533313
Phenanthrene	ND		0.0797	2	06/08/2025 00:13	WG2533313
Benzylbutyl phthalate	ND		0.797	2	06/08/2025 00:13	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.797	2	06/08/2025 00:13	WG2533313
Di-n-butyl phthalate	ND		0.797	2	06/08/2025 00:13	WG2533313
Diethyl phthalate	ND		0.797	2	06/08/2025 00:13	WG2533313
Dimethyl phthalate	ND		0.797	2	06/08/2025 00:13	WG2533313
Di-n-octyl phthalate	ND		0.797	2	06/08/2025 00:13	WG2533313
1,2,4-Trichlorobenzene	ND		0.797	2	06/08/2025 00:13	WG2533313
4-Chloro-3-methylphenol	ND		0.797	2	06/08/2025 00:13	WG2533313
2-Chlorophenol	ND		0.797	2	06/08/2025 00:13	WG2533313
2,4-Dichlorophenol	ND		0.797	2	06/08/2025 00:13	WG2533313
2,4-Dimethylphenol	ND		0.797	2	06/08/2025 00:13	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.797	2	06/08/2025 00:13	WG2533313
2,4-Dinitrophenol	ND		0.797	2	06/08/2025 00:13	WG2533313
2-Nitrophenol	ND		0.797	2	06/08/2025 00:13	WG2533313
4-Nitrophenol	ND		0.797	2	06/08/2025 00:13	WG2533313
Pentachlorophenol	ND		0.797	2	06/08/2025 00:13	WG2533313
Phenol	ND		0.797	2	06/08/2025 00:13	WG2533313
2,4,6-Trichlorophenol	ND		0.797	2	06/08/2025 00:13	WG2533313
(S) 2-Fluorophenol	58.9		12.0-120		06/08/2025 00:13	WG2533313
(S) Phenol-d5	53.7		10.0-120		06/08/2025 00:13	WG2533313
(S) Nitrobenzene-d5	51.4		10.0-122		06/08/2025 00:13	WG2533313
(S) 2-Fluorobiphenyl	63.3		15.0-120		06/08/2025 00:13	WG2533313
(S) 2,4,6-Tribromophenol	83.2		10.0-127		06/08/2025 00:13	WG2533313
(S) p-Terphenyl-d14	76.8		10.0-120		06/08/2025 00:13	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1867312-01 WG2533313: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Acenaphthene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Acenaphthylene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Benzo(a)anthracene	ND		0.00718	1	06/07/2025 21:12	WG2533320
Benzo(a)pyrene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Benzo(b)fluoranthene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Benzo(g,h,i)perylene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Benzo(k)fluoranthene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Chrysene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Dibenz(a,h)anthracene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Fluoranthene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Fluorene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Naphthalene	ND		0.00359	1	06/07/2025 21:12	WG2533320
Phenanthrene	ND		0.0395	1	06/07/2025 21:12	WG2533320
Pyrene	ND		0.0395	1	06/07/2025 21:12	WG2533320
1-Methylnaphthalene	ND		0.00359	1	06/07/2025 21:12	WG2533320
2-Methylnaphthalene	ND		0.0144	1	06/07/2025 21:12	WG2533320
(S) p-Terphenyl-d14	87.9		23.0-120		06/07/2025 21:12	WG2533320
(S) Nitrobenzene-d5	87.2		14.0-149		06/07/2025 21:12	WG2533320
(S) 2-Fluorobiphenyl	84.2		34.0-125		06/07/2025 21:12	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.11		1	06/12/2025 13:35	WG2536010

1
Cp

2
Tc

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2260		23.4	1	06/10/2025 10:25	WG2533329

3
Ss

4
Cn

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.5		1	06/07/2025 15:56	WG2533304

5
Ds

6
Sr

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.7	1	06/09/2025 22:32	WG2533835

7
Qc

8
Gl

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2260		117	5	06/10/2025 10:25	WG2533901

9
Al

10
Sc

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.234	1	06/10/2025 10:43	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.90		1	06/12/2025 08:20	WG2536683

Sample Narrative:
L1867312-02 WG2536683: 7.9 at 21.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	364	umhos/cm		10.0	1	06/12/2025 12:35	WG2536691

Sample Narrative:
L1867312-02 WG2536691: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23.4	1	06/07/2025 20:39	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	15000		500	5	06/08/2025 19:33	WG2533332

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.900		0.200	1	06/12/2025 02:15	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6830		23.4	1	06/07/2025 21:07	WG2533358
Antimony	ND		2.34	1	06/07/2025 21:07	WG2533358
Beryllium	0.466		0.234	1	06/07/2025 21:07	WG2533358
Calcium	12800		117	1	06/07/2025 21:07	WG2533358
Chromium	6.96		1.17	1	06/07/2025 21:07	WG2533358
Cobalt	4.02		1.17	1	06/07/2025 21:07	WG2533358
Iron	9650		11.7	1	06/07/2025 21:07	WG2533358
Magnesium	2500		117	1	06/07/2025 21:07	WG2533358
Manganese	258		1.17	1	06/07/2025 21:07	WG2533358
Potassium	1470		117	1	06/07/2025 21:07	WG2533358
Sodium	196		117	1	06/07/2025 21:07	WG2533358
Thallium	ND		2.34	1	06/07/2025 21:07	WG2533358
Vanadium	16.1		2.34	1	06/07/2025 21:07	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.79		0.117	5	06/12/2025 21:00	WG2537275
Barium	72.3		11.7	5	06/12/2025 21:00	WG2537275
Cadmium	0.200		0.117	5	06/12/2025 21:00	WG2537275
Copper	ND		11.7	5	06/12/2025 21:00	WG2537275
Lead	ND		11.7	5	06/12/2025 21:00	WG2537275
Nickel	ND		11.7	5	06/12/2025 21:00	WG2537275
Selenium	0.322		0.117	5	06/12/2025 21:00	WG2537275
Silver	ND		0.585	5	06/12/2025 21:00	WG2537275
Zinc	ND		58.5	5	06/12/2025 21:00	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.35	25	06/07/2025 14:49	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101		77.0-120		06/07/2025 14:49	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0670	1	06/07/2025 14:22	WG2533283
Acrylonitrile	ND		0.0168	1	06/07/2025 14:22	WG2533283
Benzene	ND		0.00134	1	06/07/2025 14:22	WG2533283
Bromobenzene	ND		0.0168	1	06/07/2025 14:22	WG2533283
Bromodichloromethane	ND		0.00335	1	06/07/2025 14:22	WG2533283
Bromoform	ND		0.0335	1	06/07/2025 14:22	WG2533283
Bromomethane	ND	C3	0.0168	1	06/07/2025 14:22	WG2533283
n-Butylbenzene	ND		0.0168	1	06/07/2025 14:22	WG2533283
sec-Butylbenzene	ND		0.0168	1	06/07/2025 14:22	WG2533283
tert-Butylbenzene	ND		0.00670	1	06/07/2025 14:22	WG2533283
Carbon tetrachloride	ND		0.00670	1	06/07/2025 14:22	WG2533283
Chlorobenzene	ND		0.00335	1	06/07/2025 14:22	WG2533283
Chlorodibromomethane	ND		0.00335	1	06/07/2025 14:22	WG2533283



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3	0.00670	1	06/07/2025 14:22	WG2533283
Chloroform	ND		0.00335	1	06/07/2025 14:22	WG2533283
Chloromethane	ND	C3	0.0168	1	06/07/2025 14:22	WG2533283
2-Chlorotoluene	ND		0.00335	1	06/07/2025 14:22	WG2533283
4-Chlorotoluene	ND		0.00670	1	06/07/2025 14:22	WG2533283
1,2-Dibromo-3-Chloropropane	ND		0.0335	1	06/07/2025 14:22	WG2533283
1,2-Dibromoethane	ND		0.00335	1	06/07/2025 14:22	WG2533283
Dibromomethane	ND		0.00670	1	06/07/2025 14:22	WG2533283
1,2-Dichlorobenzene	ND		0.00670	1	06/07/2025 14:22	WG2533283
1,3-Dichlorobenzene	ND		0.00670	1	06/07/2025 14:22	WG2533283
1,4-Dichlorobenzene	ND		0.00670	1	06/07/2025 14:22	WG2533283
Dichlorodifluoromethane	ND	C3	0.00670	1	06/07/2025 14:22	WG2533283
1,1-Dichloroethane	ND	C3	0.00335	1	06/07/2025 14:22	WG2533283
1,2-Dichloroethane	ND		0.00335	1	06/07/2025 14:22	WG2533283
1,1-Dichloroethene	ND	C3	0.00335	1	06/07/2025 14:22	WG2533283
cis-1,2-Dichloroethene	ND		0.00335	1	06/07/2025 14:22	WG2533283
trans-1,2-Dichloroethene	ND		0.00670	1	06/07/2025 14:22	WG2533283
1,2-Dichloropropane	ND		0.00670	1	06/07/2025 14:22	WG2533283
1,1-Dichloropropene	ND		0.00335	1	06/07/2025 14:22	WG2533283
1,3-Dichloropropane	ND		0.00670	1	06/07/2025 14:22	WG2533283
cis-1,3-Dichloropropene	ND		0.00335	1	06/07/2025 14:22	WG2533283
trans-1,3-Dichloropropene	ND		0.00670	1	06/07/2025 14:22	WG2533283
2,2-Dichloropropane	ND		0.00335	1	06/07/2025 14:22	WG2533283
Di-isopropyl ether	ND		0.00134	1	06/07/2025 14:22	WG2533283
Ethylbenzene	ND		0.0134	1	06/07/2025 14:22	WG2533283
Hexachloro-1,3-butadiene	ND		0.0335	1	06/07/2025 14:22	WG2533283
Isopropylbenzene	ND		0.00335	1	06/07/2025 14:22	WG2533283
p-Isopropyltoluene	ND		0.00670	1	06/07/2025 14:22	WG2533283
2-Butanone (MEK)	ND		0.134	1	06/07/2025 14:22	WG2533283
Methylene Chloride	ND		0.0335	1	06/07/2025 14:22	WG2533283
4-Methyl-2-pentanone (MIBK)	ND		0.0335	1	06/07/2025 14:22	WG2533283
Methyl tert-butyl ether	ND		0.00134	1	06/07/2025 14:22	WG2533283
n-Propylbenzene	ND		0.00670	1	06/07/2025 14:22	WG2533283
Styrene	ND		0.0168	1	06/07/2025 14:22	WG2533283
1,1,1,2-Tetrachloroethane	ND		0.00335	1	06/07/2025 14:22	WG2533283
1,1,2,2-Tetrachloroethane	ND		0.00335	1	06/07/2025 14:22	WG2533283
1,1,2-Trichlorotrifluoroethane	ND		0.00335	1	06/07/2025 14:22	WG2533283
Tetrachloroethene	ND		0.00335	1	06/07/2025 14:22	WG2533283
Toluene	ND		0.0134	1	06/07/2025 14:22	WG2533283
1,2,3-Trichlorobenzene	ND		0.0168	1	06/07/2025 14:22	WG2533283
1,2,4-Trichlorobenzene	ND		0.0168	1	06/07/2025 14:22	WG2533283
1,1,1-Trichloroethane	ND		0.00335	1	06/07/2025 14:22	WG2533283
1,1,2-Trichloroethane	ND		0.00335	1	06/07/2025 14:22	WG2533283
Trichloroethene	ND		0.00134	1	06/07/2025 14:22	WG2533283
Trichlorofluoromethane	ND	C3	0.00335	1	06/07/2025 14:22	WG2533283
1,2,3-Trichloropropane	ND		0.0168	1	06/07/2025 14:22	WG2533283
1,2,3-Trimethylbenzene	ND		0.00670	1	06/07/2025 14:22	WG2533283
1,2,4-Trimethylbenzene	ND		0.00670	1	06/07/2025 14:22	WG2533283
1,3,5-Trimethylbenzene	ND		0.00670	1	06/07/2025 14:22	WG2533283
Vinyl chloride	ND	C3	0.00335	1	06/07/2025 14:22	WG2533283
Xylenes, Total	ND		0.134	1	06/07/2025 14:22	WG2533283
(S) Toluene-d8	106		75.0-131		06/07/2025 14:22	WG2533283
(S) 4-Bromofluorobenzene	101		67.0-138		06/07/2025 14:22	WG2533283
(S) 1,2-Dichloroethane-d4	88.1		70.0-130		06/07/2025 14:22	WG2533283

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.29		4.68	1	06/08/2025 03:37	WG2533319
C28-C36 Motor Oil Range	65.6		4.68	1	06/08/2025 03:37	WG2533319
(S) o-Terphenyl	51.3		18.0-148		06/08/2025 03:37	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0779	2	06/08/2025 04:58	WG2533313
Benzidine	ND	J4	3.91	2	06/08/2025 04:58	WG2533313
Benzo(g,h,i)perylene	ND		0.0779	2	06/08/2025 04:58	WG2533313
Bis(2-chlorethoxy)methane	ND		0.779	2	06/08/2025 04:58	WG2533313
Bis(2-chloroethyl)ether	ND		0.779	2	06/08/2025 04:58	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.779	2	06/08/2025 04:58	WG2533313
4-Bromophenyl-phenylether	ND		0.779	2	06/08/2025 04:58	WG2533313
2-Chloronaphthalene	ND		0.0779	2	06/08/2025 04:58	WG2533313
4-Chlorophenyl-phenylether	ND		0.779	2	06/08/2025 04:58	WG2533313
1,2-Dichlorobenzene	ND		0.779	2	06/08/2025 04:58	WG2533313
1,3-Dichlorobenzene	ND		0.779	2	06/08/2025 04:58	WG2533313
1,4-Dichlorobenzene	ND		0.779	2	06/08/2025 04:58	WG2533313
3,3-Dichlorobenzidine	ND		0.779	2	06/08/2025 04:58	WG2533313
2,4-Dinitrotoluene	ND		0.779	2	06/08/2025 04:58	WG2533313
2,6-Dinitrotoluene	ND		0.779	2	06/08/2025 04:58	WG2533313
Hexachlorobenzene	ND		0.779	2	06/08/2025 04:58	WG2533313
Hexachloro-1,3-butadiene	ND		0.779	2	06/08/2025 04:58	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.779	2	06/08/2025 04:58	WG2533313
Hexachloroethane	ND		0.779	2	06/08/2025 04:58	WG2533313
Isophorone	ND		0.779	2	06/08/2025 04:58	WG2533313
Nitrobenzene	ND		0.779	2	06/08/2025 04:58	WG2533313
n-Nitrosodimethylamine	ND		0.779	2	06/08/2025 04:58	WG2533313
n-Nitrosodiphenylamine	ND		0.779	2	06/08/2025 04:58	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.779	2	06/08/2025 04:58	WG2533313
Phenanthrene	ND		0.0779	2	06/08/2025 04:58	WG2533313
Benzylbutyl phthalate	ND		0.779	2	06/08/2025 04:58	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.779	2	06/08/2025 04:58	WG2533313
Di-n-butyl phthalate	ND		0.779	2	06/08/2025 04:58	WG2533313
Diethyl phthalate	ND		0.779	2	06/08/2025 04:58	WG2533313
Dimethyl phthalate	ND		0.779	2	06/08/2025 04:58	WG2533313
Di-n-octyl phthalate	ND		0.779	2	06/08/2025 04:58	WG2533313
1,2,4-Trichlorobenzene	ND		0.779	2	06/08/2025 04:58	WG2533313
4-Chloro-3-methylphenol	ND		0.779	2	06/08/2025 04:58	WG2533313
2-Chlorophenol	ND		0.779	2	06/08/2025 04:58	WG2533313
2,4-Dichlorophenol	ND		0.779	2	06/08/2025 04:58	WG2533313
2,4-Dimethylphenol	ND		0.779	2	06/08/2025 04:58	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.779	2	06/08/2025 04:58	WG2533313
2,4-Dinitrophenol	ND		0.779	2	06/08/2025 04:58	WG2533313
2-Nitrophenol	ND		0.779	2	06/08/2025 04:58	WG2533313
4-Nitrophenol	ND		0.779	2	06/08/2025 04:58	WG2533313
Pentachlorophenol	ND		0.779	2	06/08/2025 04:58	WG2533313
Phenol	ND		0.779	2	06/08/2025 04:58	WG2533313
2,4,6-Trichlorophenol	ND		0.779	2	06/08/2025 04:58	WG2533313
(S) 2-Fluorophenol	62.1		12.0-120		06/08/2025 04:58	WG2533313
(S) Phenol-d5	51.3		10.0-120		06/08/2025 04:58	WG2533313
(S) Nitrobenzene-d5	54.1		10.0-122		06/08/2025 04:58	WG2533313
(S) 2-Fluorobiphenyl	67.5		15.0-120		06/08/2025 04:58	WG2533313
(S) 2,4,6-Tribromophenol	91.7		10.0-127		06/08/2025 04:58	WG2533313
(S) p-Terphenyl-d14	77.7		10.0-120		06/08/2025 04:58	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1867312-02 WG2533313: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Acenaphthene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Acenaphthylene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Benzo(a)anthracene	ND		0.00702	1	06/08/2025 02:15	WG2533320
Benzo(a)pyrene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Benzo(b)fluoranthene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Benzo(g,h,i)perylene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Benzo(k)fluoranthene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Chrysene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Dibenz(a,h)anthracene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Fluoranthene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Fluorene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Naphthalene	ND		0.00351	1	06/08/2025 02:15	WG2533320
Phenanthrene	ND		0.0386	1	06/08/2025 02:15	WG2533320
Pyrene	ND		0.0386	1	06/08/2025 02:15	WG2533320
1-Methylnaphthalene	ND		0.00351	1	06/08/2025 02:15	WG2533320
2-Methylnaphthalene	ND		0.0140	1	06/08/2025 02:15	WG2533320
(S) p-Terphenyl-d14	103		23.0-120		06/08/2025 02:15	WG2533320
(S) Nitrobenzene-d5	90.5		14.0-149		06/08/2025 02:15	WG2533320
(S) 2-Fluorobiphenyl	90.4		34.0-125		06/08/2025 02:15	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.13		1	06/12/2025 13:37	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1880		23.9	1	06/10/2025 10:27	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.6		1	06/07/2025 15:56	WG2533304

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.0	1	06/09/2025 22:33	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1880		120	5	06/10/2025 10:27	WG2533901

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.239	1	06/10/2025 00:13	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.17		1	06/12/2025 08:20	WG2536683

Sample Narrative:
L1867312-03 WG2536683: 8.17 at 21.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	350	umhos/cm		10.0	1	06/12/2025 12:35	WG2536691

Sample Narrative:
L1867312-03 WG2536691: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23.9	1	06/07/2025 20:56	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	15300		500	5	06/08/2025 19:33	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.919		0.200	1	06/12/2025 02:17	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8900		23.9	1	06/07/2025 21:09	WG2533358
Antimony	ND		2.39	1	06/07/2025 21:09	WG2533358
Beryllium	0.585		0.239	1	06/07/2025 21:09	WG2533358
Calcium	16000		120	1	06/07/2025 21:09	WG2533358
Chromium	8.79		1.20	1	06/07/2025 21:09	WG2533358
Cobalt	4.41		1.20	1	06/07/2025 21:09	WG2533358
Iron	12800		12.0	1	06/07/2025 21:09	WG2533358
Magnesium	3380		120	1	06/07/2025 21:09	WG2533358
Manganese	187		1.20	1	06/07/2025 21:09	WG2533358
Potassium	1650		120	1	06/07/2025 21:09	WG2533358
Sodium	182		120	1	06/07/2025 21:09	WG2533358
Thallium	ND		2.39	1	06/07/2025 21:09	WG2533358
Vanadium	22.3		2.39	1	06/07/2025 21:09	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.45		0.120	5	06/12/2025 21:03	WG2537275
Barium	106		12.0	5	06/12/2025 21:03	WG2537275
Cadmium	0.211		0.120	5	06/12/2025 21:03	WG2537275
Copper	12.7		12.0	5	06/12/2025 21:03	WG2537275
Lead	ND		12.0	5	06/12/2025 21:03	WG2537275
Nickel	ND		12.0	5	06/12/2025 21:03	WG2537275
Selenium	0.502		0.120	5	06/12/2025 21:03	WG2537275
Silver	ND		0.598	5	06/12/2025 21:03	WG2537275
Zinc	ND		59.8	5	06/12/2025 21:03	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.48	25	06/07/2025 15:11	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101		77.0-120		06/07/2025 15:11	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0696	1	06/07/2025 14:59	WG2533283
Acrylonitrile	ND		0.0174	1	06/07/2025 14:59	WG2533283
Benzene	ND		0.00139	1	06/07/2025 14:59	WG2533283
Bromobenzene	ND		0.0174	1	06/07/2025 14:59	WG2533283
Bromodichloromethane	ND		0.00348	1	06/07/2025 14:59	WG2533283
Bromoform	ND		0.0348	1	06/07/2025 14:59	WG2533283
Bromomethane	ND	C3	0.0174	1	06/07/2025 14:59	WG2533283
n-Butylbenzene	ND		0.0174	1	06/07/2025 14:59	WG2533283
sec-Butylbenzene	ND		0.0174	1	06/07/2025 14:59	WG2533283
tert-Butylbenzene	ND		0.00696	1	06/07/2025 14:59	WG2533283
Carbon tetrachloride	ND		0.00696	1	06/07/2025 14:59	WG2533283
Chlorobenzene	ND		0.00348	1	06/07/2025 14:59	WG2533283
Chlorodibromomethane	ND		0.00348	1	06/07/2025 14:59	WG2533283



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3	0.00696	1	06/07/2025 14:59	WG2533283
Chloroform	ND		0.00348	1	06/07/2025 14:59	WG2533283
Chloromethane	ND	C3	0.0174	1	06/07/2025 14:59	WG2533283
2-Chlorotoluene	ND		0.00348	1	06/07/2025 14:59	WG2533283
4-Chlorotoluene	ND		0.00696	1	06/07/2025 14:59	WG2533283
1,2-Dibromo-3-Chloropropane	ND		0.0348	1	06/07/2025 14:59	WG2533283
1,2-Dibromoethane	ND		0.00348	1	06/07/2025 14:59	WG2533283
Dibromomethane	ND		0.00696	1	06/07/2025 14:59	WG2533283
1,2-Dichlorobenzene	ND		0.00696	1	06/07/2025 14:59	WG2533283
1,3-Dichlorobenzene	ND		0.00696	1	06/07/2025 14:59	WG2533283
1,4-Dichlorobenzene	ND		0.00696	1	06/07/2025 14:59	WG2533283
Dichlorodifluoromethane	ND	C3	0.00696	1	06/07/2025 14:59	WG2533283
1,1-Dichloroethane	ND	C3	0.00348	1	06/07/2025 14:59	WG2533283
1,2-Dichloroethane	ND		0.00348	1	06/07/2025 14:59	WG2533283
1,1-Dichloroethene	ND	C3	0.00348	1	06/07/2025 14:59	WG2533283
cis-1,2-Dichloroethene	ND		0.00348	1	06/07/2025 14:59	WG2533283
trans-1,2-Dichloroethene	ND		0.00696	1	06/07/2025 14:59	WG2533283
1,2-Dichloropropane	ND		0.00696	1	06/07/2025 14:59	WG2533283
1,1-Dichloropropene	ND		0.00348	1	06/07/2025 14:59	WG2533283
1,3-Dichloropropane	ND		0.00696	1	06/07/2025 14:59	WG2533283
cis-1,3-Dichloropropene	ND		0.00348	1	06/07/2025 14:59	WG2533283
trans-1,3-Dichloropropene	ND		0.00696	1	06/07/2025 14:59	WG2533283
2,2-Dichloropropane	ND		0.00348	1	06/07/2025 14:59	WG2533283
Di-isopropyl ether	ND		0.00139	1	06/07/2025 14:59	WG2533283
Ethylbenzene	ND		0.0139	1	06/07/2025 14:59	WG2533283
Hexachloro-1,3-butadiene	ND		0.0348	1	06/07/2025 14:59	WG2533283
Isopropylbenzene	ND		0.00348	1	06/07/2025 14:59	WG2533283
p-Isopropyltoluene	ND		0.00696	1	06/07/2025 14:59	WG2533283
2-Butanone (MEK)	ND		0.139	1	06/07/2025 14:59	WG2533283
Methylene Chloride	ND		0.0348	1	06/07/2025 14:59	WG2533283
4-Methyl-2-pentanone (MIBK)	ND		0.0348	1	06/07/2025 14:59	WG2533283
Methyl tert-butyl ether	ND		0.00139	1	06/07/2025 14:59	WG2533283
n-Propylbenzene	ND		0.00696	1	06/07/2025 14:59	WG2533283
Styrene	ND		0.0174	1	06/07/2025 14:59	WG2533283
1,1,1,2-Tetrachloroethane	ND		0.00348	1	06/07/2025 14:59	WG2533283
1,1,2,2-Tetrachloroethane	ND		0.00348	1	06/07/2025 14:59	WG2533283
1,1,2-Trichlorotrifluoroethane	ND		0.00348	1	06/07/2025 14:59	WG2533283
Tetrachloroethene	ND		0.00348	1	06/07/2025 14:59	WG2533283
Toluene	ND		0.0139	1	06/07/2025 14:59	WG2533283
1,2,3-Trichlorobenzene	ND		0.0174	1	06/07/2025 14:59	WG2533283
1,2,4-Trichlorobenzene	ND		0.0174	1	06/07/2025 14:59	WG2533283
1,1,1-Trichloroethane	ND		0.00348	1	06/07/2025 14:59	WG2533283
1,1,2-Trichloroethane	ND		0.00348	1	06/07/2025 14:59	WG2533283
Trichloroethene	ND		0.00139	1	06/07/2025 14:59	WG2533283
Trichlorofluoromethane	ND	C3	0.00348	1	06/07/2025 14:59	WG2533283
1,2,3-Trichloropropane	ND		0.0174	1	06/07/2025 14:59	WG2533283
1,2,3-Trimethylbenzene	ND		0.00696	1	06/07/2025 14:59	WG2533283
1,2,4-Trimethylbenzene	ND		0.00696	1	06/07/2025 14:59	WG2533283
1,3,5-Trimethylbenzene	ND		0.00696	1	06/07/2025 14:59	WG2533283
Vinyl chloride	ND	C3	0.00348	1	06/07/2025 14:59	WG2533283
Xylenes, Total	ND		0.139	1	06/07/2025 14:59	WG2533283
(S) Toluene-d8	106		75.0-131		06/07/2025 14:59	WG2533283
(S) 4-Bromofluorobenzene	98.7		67.0-138		06/07/2025 14:59	WG2533283
(S) 1,2-Dichloroethane-d4	88.9		70.0-130		06/07/2025 14:59	WG2533283

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	7.06		4.78	1	06/08/2025 03:51	WG2533319
C28-C36 Motor Oil Range	67.9		4.78	1	06/08/2025 03:51	WG2533319
(S) o-Terphenyl	51.3		18.0-148		06/08/2025 03:51	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0797	2	06/08/2025 03:34	WG2533313
Benzidine	ND	J4	4.00	2	06/08/2025 03:34	WG2533313
Benzo(g,h,i)perylene	ND		0.0797	2	06/08/2025 03:34	WG2533313
Bis(2-chlorethoxy)methane	ND		0.797	2	06/08/2025 03:34	WG2533313
Bis(2-chloroethyl)ether	ND		0.797	2	06/08/2025 03:34	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.797	2	06/08/2025 03:34	WG2533313
4-Bromophenyl-phenylether	ND		0.797	2	06/08/2025 03:34	WG2533313
2-Chloronaphthalene	ND		0.0797	2	06/08/2025 03:34	WG2533313
4-Chlorophenyl-phenylether	ND		0.797	2	06/08/2025 03:34	WG2533313
1,2-Dichlorobenzene	ND		0.797	2	06/08/2025 03:34	WG2533313
1,3-Dichlorobenzene	ND		0.797	2	06/08/2025 03:34	WG2533313
1,4-Dichlorobenzene	ND		0.797	2	06/08/2025 03:34	WG2533313
3,3-Dichlorobenzidine	ND		0.797	2	06/08/2025 03:34	WG2533313
2,4-Dinitrotoluene	ND		0.797	2	06/08/2025 03:34	WG2533313
2,6-Dinitrotoluene	ND		0.797	2	06/08/2025 03:34	WG2533313
Hexachlorobenzene	ND		0.797	2	06/08/2025 03:34	WG2533313
Hexachloro-1,3-butadiene	ND		0.797	2	06/08/2025 03:34	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.797	2	06/08/2025 03:34	WG2533313
Hexachloroethane	ND		0.797	2	06/08/2025 03:34	WG2533313
Isophorone	ND		0.797	2	06/08/2025 03:34	WG2533313
Nitrobenzene	ND		0.797	2	06/08/2025 03:34	WG2533313
n-Nitrosodimethylamine	ND		0.797	2	06/08/2025 03:34	WG2533313
n-Nitrosodiphenylamine	ND		0.797	2	06/08/2025 03:34	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.797	2	06/08/2025 03:34	WG2533313
Phenanthrene	ND		0.0797	2	06/08/2025 03:34	WG2533313
Benzylbutyl phthalate	ND		0.797	2	06/08/2025 03:34	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.797	2	06/08/2025 03:34	WG2533313
Di-n-butyl phthalate	ND		0.797	2	06/08/2025 03:34	WG2533313
Diethyl phthalate	ND		0.797	2	06/08/2025 03:34	WG2533313
Dimethyl phthalate	ND		0.797	2	06/08/2025 03:34	WG2533313
Di-n-octyl phthalate	ND		0.797	2	06/08/2025 03:34	WG2533313
1,2,4-Trichlorobenzene	ND		0.797	2	06/08/2025 03:34	WG2533313
4-Chloro-3-methylphenol	ND		0.797	2	06/08/2025 03:34	WG2533313
2-Chlorophenol	ND		0.797	2	06/08/2025 03:34	WG2533313
2,4-Dichlorophenol	ND		0.797	2	06/08/2025 03:34	WG2533313
2,4-Dimethylphenol	ND		0.797	2	06/08/2025 03:34	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.797	2	06/08/2025 03:34	WG2533313
2,4-Dinitrophenol	ND		0.797	2	06/08/2025 03:34	WG2533313
2-Nitrophenol	ND		0.797	2	06/08/2025 03:34	WG2533313
4-Nitrophenol	ND		0.797	2	06/08/2025 03:34	WG2533313
Pentachlorophenol	ND		0.797	2	06/08/2025 03:34	WG2533313
Phenol	ND		0.797	2	06/08/2025 03:34	WG2533313
2,4,6-Trichlorophenol	ND		0.797	2	06/08/2025 03:34	WG2533313
(S) 2-Fluorophenol	61.9		12.0-120		06/08/2025 03:34	WG2533313
(S) Phenol-d5	54.3		10.0-120		06/08/2025 03:34	WG2533313
(S) Nitrobenzene-d5	60.7		10.0-122		06/08/2025 03:34	WG2533313
(S) 2-Fluorobiphenyl	72.0		15.0-120		06/08/2025 03:34	WG2533313
(S) 2,4,6-Tribromophenol	84.1		10.0-127		06/08/2025 03:34	WG2533313
(S) p-Terphenyl-d14	70.4		10.0-120		06/08/2025 03:34	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1867312-03 WG2533313: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Acenaphthene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Acenaphthylene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Benzo(a)anthracene	ND		0.00718	1	06/07/2025 21:29	WG2533320
Benzo(a)pyrene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Benzo(b)fluoranthene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Benzo(g,h,i)perylene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Benzo(k)fluoranthene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Chrysene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Dibenz(a,h)anthracene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Fluoranthene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Fluorene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Naphthalene	ND		0.00359	1	06/07/2025 21:29	WG2533320
Phenanthrene	ND		0.0395	1	06/07/2025 21:29	WG2533320
Pyrene	ND		0.0395	1	06/07/2025 21:29	WG2533320
1-Methylnaphthalene	ND		0.00359	1	06/07/2025 21:29	WG2533320
2-Methylnaphthalene	ND		0.0144	1	06/07/2025 21:29	WG2533320
(S) p-Terphenyl-d14	80.9		23.0-120		06/07/2025 21:29	WG2533320
(S) Nitrobenzene-d5	80.3		14.0-149		06/07/2025 21:29	WG2533320
(S) 2-Fluorobiphenyl	70.2		34.0-125		06/07/2025 21:29	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.51		1	06/12/2025 13:38	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1520		22.9	1	06/10/2025 10:28	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.3		1	06/07/2025 15:56	WG2533304

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.4	1	06/09/2025 22:35	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1520		114	5	06/10/2025 10:28	WG2533901

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.229	1	06/10/2025 00:34	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.18		1	06/12/2025 08:20	WG2536683

Sample Narrative:

L1867312-04 WG2536683: 8.18 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	456	umhos/cm		10.0	1	06/12/2025 12:35	WG2536691

Sample Narrative:

L1867312-04 WG2536691: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		22.9	1	06/07/2025 21:12	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	10300		500	5	06/08/2025 19:34	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.768		0.200	1	06/12/2025 02:20	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	12000		22.9	1	06/07/2025 21:11	WG2533358
Antimony	ND		2.29	1	06/07/2025 21:11	WG2533358
Beryllium	0.612		0.229	1	06/07/2025 21:11	WG2533358
Calcium	13600		114	1	06/07/2025 21:11	WG2533358
Chromium	11.6		1.14	1	06/07/2025 21:11	WG2533358
Cobalt	4.90		1.14	1	06/07/2025 21:11	WG2533358
Iron	13900		11.4	1	06/07/2025 21:11	WG2533358
Magnesium	3470		114	1	06/07/2025 21:11	WG2533358
Manganese	226		1.14	1	06/07/2025 21:11	WG2533358
Potassium	1960		114	1	06/07/2025 21:11	WG2533358
Sodium	239		114	1	06/07/2025 21:11	WG2533358
Thallium	ND		2.29	1	06/07/2025 21:11	WG2533358
Vanadium	27.3		2.29	1	06/07/2025 21:11	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.95		0.114	5	06/12/2025 21:06	WG2537275
Barium	106		11.4	5	06/12/2025 21:06	WG2537275
Cadmium	0.194		0.114	5	06/12/2025 21:06	WG2537275
Copper	ND		11.4	5	06/12/2025 21:06	WG2537275
Lead	ND		11.4	5	06/12/2025 21:06	WG2537275
Nickel	ND		11.4	5	06/12/2025 21:06	WG2537275
Selenium	0.474		0.114	5	06/12/2025 21:06	WG2537275
Silver	ND		0.572	5	06/12/2025 21:06	WG2537275
Zinc	ND		57.2	5	06/12/2025 21:06	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.22	25	06/07/2025 15:34	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/07/2025 15:34	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0645	1	06/07/2025 15:18	WG2533283
Acrylonitrile	ND		0.0161	1	06/07/2025 15:18	WG2533283
Benzene	ND		0.00129	1	06/07/2025 15:18	WG2533283
Bromobenzene	ND		0.0161	1	06/07/2025 15:18	WG2533283
Bromodichloromethane	ND		0.00322	1	06/07/2025 15:18	WG2533283
Bromoform	ND		0.0322	1	06/07/2025 15:18	WG2533283
Bromomethane	ND	C3	0.0161	1	06/07/2025 15:18	WG2533283
n-Butylbenzene	ND		0.0161	1	06/07/2025 15:18	WG2533283
sec-Butylbenzene	ND		0.0161	1	06/07/2025 15:18	WG2533283
tert-Butylbenzene	ND		0.00645	1	06/07/2025 15:18	WG2533283
Carbon tetrachloride	ND		0.00645	1	06/07/2025 15:18	WG2533283
Chlorobenzene	ND		0.00322	1	06/07/2025 15:18	WG2533283
Chlorodibromomethane	ND		0.00322	1	06/07/2025 15:18	WG2533283

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3	0.00645	1	06/07/2025 15:18	WG2533283
Chloroform	ND		0.00322	1	06/07/2025 15:18	WG2533283
Chloromethane	ND	C3	0.0161	1	06/07/2025 15:18	WG2533283
2-Chlorotoluene	ND		0.00322	1	06/07/2025 15:18	WG2533283
4-Chlorotoluene	ND		0.00645	1	06/07/2025 15:18	WG2533283
1,2-Dibromo-3-Chloropropane	ND		0.0322	1	06/07/2025 15:18	WG2533283
1,2-Dibromoethane	ND		0.00322	1	06/07/2025 15:18	WG2533283
Dibromomethane	ND		0.00645	1	06/07/2025 15:18	WG2533283
1,2-Dichlorobenzene	ND		0.00645	1	06/07/2025 15:18	WG2533283
1,3-Dichlorobenzene	ND		0.00645	1	06/07/2025 15:18	WG2533283
1,4-Dichlorobenzene	ND		0.00645	1	06/07/2025 15:18	WG2533283
Dichlorodifluoromethane	ND	C3	0.00645	1	06/07/2025 15:18	WG2533283
1,1-Dichloroethane	ND	C3	0.00322	1	06/07/2025 15:18	WG2533283
1,2-Dichloroethane	ND		0.00322	1	06/07/2025 15:18	WG2533283
1,1-Dichloroethene	ND	C3	0.00322	1	06/07/2025 15:18	WG2533283
cis-1,2-Dichloroethene	ND		0.00322	1	06/07/2025 15:18	WG2533283
trans-1,2-Dichloroethene	ND		0.00645	1	06/07/2025 15:18	WG2533283
1,2-Dichloropropane	ND		0.00645	1	06/07/2025 15:18	WG2533283
1,1-Dichloropropene	ND		0.00322	1	06/07/2025 15:18	WG2533283
1,3-Dichloropropane	ND		0.00645	1	06/07/2025 15:18	WG2533283
cis-1,3-Dichloropropene	ND		0.00322	1	06/07/2025 15:18	WG2533283
trans-1,3-Dichloropropene	ND		0.00645	1	06/07/2025 15:18	WG2533283
2,2-Dichloropropane	ND		0.00322	1	06/07/2025 15:18	WG2533283
Di-isopropyl ether	ND		0.00129	1	06/07/2025 15:18	WG2533283
Ethylbenzene	ND		0.0129	1	06/07/2025 15:18	WG2533283
Hexachloro-1,3-butadiene	ND		0.0322	1	06/07/2025 15:18	WG2533283
Isopropylbenzene	ND		0.00322	1	06/07/2025 15:18	WG2533283
p-Isopropyltoluene	ND		0.00645	1	06/07/2025 15:18	WG2533283
2-Butanone (MEK)	ND		0.129	1	06/07/2025 15:18	WG2533283
Methylene Chloride	ND		0.0322	1	06/07/2025 15:18	WG2533283
4-Methyl-2-pentanone (MIBK)	ND		0.0322	1	06/07/2025 15:18	WG2533283
Methyl tert-butyl ether	ND		0.00129	1	06/07/2025 15:18	WG2533283
n-Propylbenzene	ND		0.00645	1	06/07/2025 15:18	WG2533283
Styrene	ND		0.0161	1	06/07/2025 15:18	WG2533283
1,1,1,2-Tetrachloroethane	ND		0.00322	1	06/07/2025 15:18	WG2533283
1,1,2,2-Tetrachloroethane	ND		0.00322	1	06/07/2025 15:18	WG2533283
1,1,2-Trichlorotrifluoroethane	ND		0.00322	1	06/07/2025 15:18	WG2533283
Tetrachloroethene	ND		0.00322	1	06/07/2025 15:18	WG2533283
Toluene	ND		0.0129	1	06/07/2025 15:18	WG2533283
1,2,3-Trichlorobenzene	ND		0.0161	1	06/07/2025 15:18	WG2533283
1,2,4-Trichlorobenzene	ND		0.0161	1	06/07/2025 15:18	WG2533283
1,1,1-Trichloroethane	ND		0.00322	1	06/07/2025 15:18	WG2533283
1,1,2-Trichloroethane	ND		0.00322	1	06/07/2025 15:18	WG2533283
Trichloroethene	ND		0.00129	1	06/07/2025 15:18	WG2533283
Trichlorofluoromethane	ND	C3	0.00322	1	06/07/2025 15:18	WG2533283
1,2,3-Trichloropropane	ND		0.0161	1	06/07/2025 15:18	WG2533283
1,2,3-Trimethylbenzene	ND		0.00645	1	06/07/2025 15:18	WG2533283
1,2,4-Trimethylbenzene	ND		0.00645	1	06/07/2025 15:18	WG2533283
1,3,5-Trimethylbenzene	ND		0.00645	1	06/07/2025 15:18	WG2533283
Vinyl chloride	ND	C3	0.00322	1	06/07/2025 15:18	WG2533283
Xylenes, Total	ND		0.129	1	06/07/2025 15:18	WG2533283
(S) Toluene-d8	106		75.0-131		06/07/2025 15:18	WG2533283
(S) 4-Bromofluorobenzene	98.8		67.0-138		06/07/2025 15:18	WG2533283
(S) 1,2-Dichloroethane-d4	88.4		70.0-130		06/07/2025 15:18	WG2533283

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.06		4.58	1	06/08/2025 04:34	WG2533319
C28-C36 Motor Oil Range	53.6		4.58	1	06/08/2025 04:34	WG2533319
(S) o-Terphenyl	66.9		18.0-148		06/08/2025 04:34	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0762	2	06/08/2025 00:34	WG2533313
Benzidine	ND	J4	3.82	2	06/08/2025 00:34	WG2533313
Benzo(g,h,i)perylene	ND		0.0762	2	06/08/2025 00:34	WG2533313
Bis(2-chlorethoxy)methane	ND		0.762	2	06/08/2025 00:34	WG2533313
Bis(2-chloroethyl)ether	ND		0.762	2	06/08/2025 00:34	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.762	2	06/08/2025 00:34	WG2533313
4-Bromophenyl-phenylether	ND		0.762	2	06/08/2025 00:34	WG2533313
2-Chloronaphthalene	ND		0.0762	2	06/08/2025 00:34	WG2533313
4-Chlorophenyl-phenylether	ND		0.762	2	06/08/2025 00:34	WG2533313
1,2-Dichlorobenzene	ND		0.762	2	06/08/2025 00:34	WG2533313
1,3-Dichlorobenzene	ND		0.762	2	06/08/2025 00:34	WG2533313
1,4-Dichlorobenzene	ND		0.762	2	06/08/2025 00:34	WG2533313
3,3-Dichlorobenzidine	ND		0.762	2	06/08/2025 00:34	WG2533313
2,4-Dinitrotoluene	ND		0.762	2	06/08/2025 00:34	WG2533313
2,6-Dinitrotoluene	ND		0.762	2	06/08/2025 00:34	WG2533313
Hexachlorobenzene	ND		0.762	2	06/08/2025 00:34	WG2533313
Hexachloro-1,3-butadiene	ND		0.762	2	06/08/2025 00:34	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.762	2	06/08/2025 00:34	WG2533313
Hexachloroethane	ND		0.762	2	06/08/2025 00:34	WG2533313
Isophorone	ND		0.762	2	06/08/2025 00:34	WG2533313
Nitrobenzene	ND		0.762	2	06/08/2025 00:34	WG2533313
n-Nitrosodimethylamine	ND		0.762	2	06/08/2025 00:34	WG2533313
n-Nitrosodiphenylamine	ND		0.762	2	06/08/2025 00:34	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.762	2	06/08/2025 00:34	WG2533313
Phenanthrene	ND		0.0762	2	06/08/2025 00:34	WG2533313
Benzylbutyl phthalate	ND		0.762	2	06/08/2025 00:34	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.762	2	06/08/2025 00:34	WG2533313
Di-n-butyl phthalate	ND		0.762	2	06/08/2025 00:34	WG2533313
Diethyl phthalate	ND		0.762	2	06/08/2025 00:34	WG2533313
Dimethyl phthalate	ND		0.762	2	06/08/2025 00:34	WG2533313
Di-n-octyl phthalate	ND		0.762	2	06/08/2025 00:34	WG2533313
1,2,4-Trichlorobenzene	ND		0.762	2	06/08/2025 00:34	WG2533313
4-Chloro-3-methylphenol	ND		0.762	2	06/08/2025 00:34	WG2533313
2-Chlorophenol	ND		0.762	2	06/08/2025 00:34	WG2533313
2,4-Dichlorophenol	ND		0.762	2	06/08/2025 00:34	WG2533313
2,4-Dimethylphenol	ND		0.762	2	06/08/2025 00:34	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.762	2	06/08/2025 00:34	WG2533313
2,4-Dinitrophenol	ND		0.762	2	06/08/2025 00:34	WG2533313
2-Nitrophenol	ND		0.762	2	06/08/2025 00:34	WG2533313
4-Nitrophenol	ND		0.762	2	06/08/2025 00:34	WG2533313
Pentachlorophenol	ND		0.762	2	06/08/2025 00:34	WG2533313
Phenol	ND		0.762	2	06/08/2025 00:34	WG2533313
2,4,6-Trichlorophenol	ND		0.762	2	06/08/2025 00:34	WG2533313
(S) 2-Fluorophenol	59.8		12.0-120		06/08/2025 00:34	WG2533313
(S) Phenol-d5	52.5		10.0-120		06/08/2025 00:34	WG2533313
(S) Nitrobenzene-d5	49.4		10.0-122		06/08/2025 00:34	WG2533313
(S) 2-Fluorobiphenyl	61.6		15.0-120		06/08/2025 00:34	WG2533313
(S) 2,4,6-Tribromophenol	87.9		10.0-127		06/08/2025 00:34	WG2533313
(S) p-Terphenyl-d14	73.2		10.0-120		06/08/2025 00:34	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1867312-04 WG2533313: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Acenaphthene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Acenaphthylene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Benzo(a)anthracene	ND		0.00687	1	06/07/2025 21:47	WG2533320
Benzo(a)pyrene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Benzo(b)fluoranthene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Benzo(g,h,i)perylene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Benzo(k)fluoranthene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Chrysene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Dibenz(a,h)anthracene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Fluoranthene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Fluorene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Naphthalene	ND		0.00343	1	06/07/2025 21:47	WG2533320
Phenanthrene	ND		0.0378	1	06/07/2025 21:47	WG2533320
Pyrene	ND		0.0378	1	06/07/2025 21:47	WG2533320
1-Methylnaphthalene	ND		0.00343	1	06/07/2025 21:47	WG2533320
2-Methylnaphthalene	ND		0.0137	1	06/07/2025 21:47	WG2533320
(S) p-Terphenyl-d14	98.5		23.0-120		06/07/2025 21:47	WG2533320
(S) Nitrobenzene-d5	91.6		14.0-149		06/07/2025 21:47	WG2533320
(S) 2-Fluorobiphenyl	87.2		34.0-125		06/07/2025 21:47	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.937		1	06/12/2025 13:40	WG2536010

1
Cp

2
Tc

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1380		23.3	1	06/10/2025 10:30	WG2533329

3
Ss

4
Cn

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	06/07/2025 15:56	WG2533304

5
Ds

6
Sr

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.7	1	06/09/2025 22:36	WG2533835

7
Qc

8
Gl

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1380		117	5	06/10/2025 10:30	WG2533901

9
Al

10
Sc

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.233	1	06/10/2025 01:06	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.76		1	06/12/2025 08:20	WG2536683

Sample Narrative:
L1867312-05 WG2536683: 7.76 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	396	umhos/cm		10.0	1	06/12/2025 12:35	WG2536691

Sample Narrative:
L1867312-05 WG2536691: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23.3	1	06/07/2025 21:28	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	11600		400	4	06/08/2025 19:34	WG2533332

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.883		0.200	1	06/12/2025 02:28	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6140		23.3	1	06/07/2025 21:12	WG2533358
Antimony	ND		2.33	1	06/07/2025 21:12	WG2533358
Beryllium	0.576		0.233	1	06/07/2025 21:12	WG2533358
Calcium	3210		117	1	06/07/2025 21:12	WG2533358
Chromium	6.43		1.17	1	06/07/2025 21:12	WG2533358
Cobalt	4.25		1.17	1	06/07/2025 21:12	WG2533358
Iron	19800		11.7	1	06/07/2025 21:12	WG2533358
Magnesium	2000		117	1	06/07/2025 21:12	WG2533358
Manganese	427		1.17	1	06/07/2025 21:12	WG2533358
Potassium	1490		117	1	06/07/2025 21:12	WG2533358
Sodium	149		117	1	06/07/2025 21:12	WG2533358
Thallium	ND		2.33	1	06/07/2025 21:12	WG2533358
Vanadium	27.1		2.33	1	06/07/2025 21:12	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.54		0.117	5	06/12/2025 21:09	WG2537275
Barium	63.4		11.7	5	06/12/2025 21:09	WG2537275
Cadmium	0.345		0.117	5	06/12/2025 21:09	WG2537275
Copper	18.4		11.7	5	06/12/2025 21:09	WG2537275
Lead	ND		11.7	5	06/12/2025 21:09	WG2537275
Nickel	ND		11.7	5	06/12/2025 21:09	WG2537275
Selenium	0.401		0.117	5	06/12/2025 21:09	WG2537275
Silver	ND		0.583	5	06/12/2025 21:09	WG2537275
Zinc	60.7		58.3	5	06/12/2025 21:09	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.33	25	06/07/2025 15:56	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101		77.0-120		06/07/2025 15:56	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0666	1	06/07/2025 15:37	WG2533283
Acrylonitrile	ND		0.0166	1	06/07/2025 15:37	WG2533283
Benzene	ND		0.00133	1	06/07/2025 15:37	WG2533283
Bromobenzene	ND		0.0166	1	06/07/2025 15:37	WG2533283
Bromodichloromethane	ND		0.00333	1	06/07/2025 15:37	WG2533283
Bromoform	ND		0.0333	1	06/07/2025 15:37	WG2533283
Bromomethane	ND	C3	0.0166	1	06/07/2025 15:37	WG2533283
n-Butylbenzene	ND		0.0166	1	06/07/2025 15:37	WG2533283
sec-Butylbenzene	ND		0.0166	1	06/07/2025 15:37	WG2533283
tert-Butylbenzene	ND		0.00666	1	06/07/2025 15:37	WG2533283
Carbon tetrachloride	ND		0.00666	1	06/07/2025 15:37	WG2533283
Chlorobenzene	ND		0.00333	1	06/07/2025 15:37	WG2533283
Chlorodibromomethane	ND		0.00333	1	06/07/2025 15:37	WG2533283



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3	0.00666	1	06/07/2025 15:37	WG2533283
Chloroform	ND		0.00333	1	06/07/2025 15:37	WG2533283
Chloromethane	ND	C3	0.0166	1	06/07/2025 15:37	WG2533283
2-Chlorotoluene	ND		0.00333	1	06/07/2025 15:37	WG2533283
4-Chlorotoluene	ND		0.00666	1	06/07/2025 15:37	WG2533283
1,2-Dibromo-3-Chloropropane	ND		0.0333	1	06/07/2025 15:37	WG2533283
1,2-Dibromoethane	ND		0.00333	1	06/07/2025 15:37	WG2533283
Dibromomethane	ND		0.00666	1	06/07/2025 15:37	WG2533283
1,2-Dichlorobenzene	ND		0.00666	1	06/07/2025 15:37	WG2533283
1,3-Dichlorobenzene	ND		0.00666	1	06/07/2025 15:37	WG2533283
1,4-Dichlorobenzene	ND		0.00666	1	06/07/2025 15:37	WG2533283
Dichlorodifluoromethane	ND	C3	0.00666	1	06/07/2025 15:37	WG2533283
1,1-Dichloroethane	ND	C3	0.00333	1	06/07/2025 15:37	WG2533283
1,2-Dichloroethane	ND		0.00333	1	06/07/2025 15:37	WG2533283
1,1-Dichloroethene	ND	C3	0.00333	1	06/07/2025 15:37	WG2533283
cis-1,2-Dichloroethene	ND		0.00333	1	06/07/2025 15:37	WG2533283
trans-1,2-Dichloroethene	ND		0.00666	1	06/07/2025 15:37	WG2533283
1,2-Dichloropropane	ND		0.00666	1	06/07/2025 15:37	WG2533283
1,1-Dichloropropene	ND		0.00333	1	06/07/2025 15:37	WG2533283
1,3-Dichloropropane	ND		0.00666	1	06/07/2025 15:37	WG2533283
cis-1,3-Dichloropropene	ND		0.00333	1	06/07/2025 15:37	WG2533283
trans-1,3-Dichloropropene	ND		0.00666	1	06/07/2025 15:37	WG2533283
2,2-Dichloropropane	ND		0.00333	1	06/07/2025 15:37	WG2533283
Di-isopropyl ether	ND		0.00133	1	06/07/2025 15:37	WG2533283
Ethylbenzene	ND		0.0133	1	06/07/2025 15:37	WG2533283
Hexachloro-1,3-butadiene	ND		0.0333	1	06/07/2025 15:37	WG2533283
Isopropylbenzene	ND		0.00333	1	06/07/2025 15:37	WG2533283
p-Isopropyltoluene	ND		0.00666	1	06/07/2025 15:37	WG2533283
2-Butanone (MEK)	ND		0.133	1	06/07/2025 15:37	WG2533283
Methylene Chloride	ND		0.0333	1	06/07/2025 15:37	WG2533283
4-Methyl-2-pentanone (MIBK)	ND		0.0333	1	06/07/2025 15:37	WG2533283
Methyl tert-butyl ether	ND		0.00133	1	06/07/2025 15:37	WG2533283
n-Propylbenzene	ND		0.00666	1	06/07/2025 15:37	WG2533283
Styrene	ND		0.0166	1	06/07/2025 15:37	WG2533283
1,1,1,2-Tetrachloroethane	ND		0.00333	1	06/07/2025 15:37	WG2533283
1,1,2,2-Tetrachloroethane	ND		0.00333	1	06/07/2025 15:37	WG2533283
1,1,2-Trichlorotrifluoroethane	ND		0.00333	1	06/07/2025 15:37	WG2533283
Tetrachloroethene	ND		0.00333	1	06/07/2025 15:37	WG2533283
Toluene	ND		0.0133	1	06/07/2025 15:37	WG2533283
1,2,3-Trichlorobenzene	ND		0.0166	1	06/07/2025 15:37	WG2533283
1,2,4-Trichlorobenzene	ND		0.0166	1	06/07/2025 15:37	WG2533283
1,1,1-Trichloroethane	ND		0.00333	1	06/07/2025 15:37	WG2533283
1,1,2-Trichloroethane	ND		0.00333	1	06/07/2025 15:37	WG2533283
Trichloroethene	ND		0.00133	1	06/07/2025 15:37	WG2533283
Trichlorofluoromethane	ND	C3	0.00333	1	06/07/2025 15:37	WG2533283
1,2,3-Trichloropropane	ND		0.0166	1	06/07/2025 15:37	WG2533283
1,2,3-Trimethylbenzene	ND		0.00666	1	06/07/2025 15:37	WG2533283
1,2,4-Trimethylbenzene	ND		0.00666	1	06/07/2025 15:37	WG2533283
1,3,5-Trimethylbenzene	ND		0.00666	1	06/07/2025 15:37	WG2533283
Vinyl chloride	ND	C3	0.00333	1	06/07/2025 15:37	WG2533283
Xylenes, Total	ND		0.133	1	06/07/2025 15:37	WG2533283
(S) Toluene-d8	106		75.0-131		06/07/2025 15:37	WG2533283
(S) 4-Bromofluorobenzene	99.9		67.0-138		06/07/2025 15:37	WG2533283
(S) 1,2-Dichloroethane-d4	89.7		70.0-130		06/07/2025 15:37	WG2533283



Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.66	1	06/08/2025 05:31	WG2533319
C28-C36 Motor Oil Range	31.7		4.66	1	06/08/2025 05:31	WG2533319
(S) o-Terphenyl	69.6		18.0-148		06/08/2025 05:31	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0776	2	06/08/2025 00:55	WG2533313
Benzidine	ND	J4	3.89	2	06/08/2025 00:55	WG2533313
Benzo(g,h,i)perylene	ND		0.0776	2	06/08/2025 00:55	WG2533313
Bis(2-chlorethoxy)methane	ND		0.776	2	06/08/2025 00:55	WG2533313
Bis(2-chloroethyl)ether	ND		0.776	2	06/08/2025 00:55	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.776	2	06/08/2025 00:55	WG2533313
4-Bromophenyl-phenylether	ND		0.776	2	06/08/2025 00:55	WG2533313
2-Chloronaphthalene	ND		0.0776	2	06/08/2025 00:55	WG2533313
4-Chlorophenyl-phenylether	ND		0.776	2	06/08/2025 00:55	WG2533313
1,2-Dichlorobenzene	ND		0.776	2	06/08/2025 00:55	WG2533313
1,3-Dichlorobenzene	ND		0.776	2	06/08/2025 00:55	WG2533313
1,4-Dichlorobenzene	ND		0.776	2	06/08/2025 00:55	WG2533313
3,3-Dichlorobenzidine	ND		0.776	2	06/08/2025 00:55	WG2533313
2,4-Dinitrotoluene	ND		0.776	2	06/08/2025 00:55	WG2533313
2,6-Dinitrotoluene	ND		0.776	2	06/08/2025 00:55	WG2533313
Hexachlorobenzene	ND		0.776	2	06/08/2025 00:55	WG2533313
Hexachloro-1,3-butadiene	ND		0.776	2	06/08/2025 00:55	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.776	2	06/08/2025 00:55	WG2533313
Hexachloroethane	ND		0.776	2	06/08/2025 00:55	WG2533313
Isophorone	ND		0.776	2	06/08/2025 00:55	WG2533313
Nitrobenzene	ND		0.776	2	06/08/2025 00:55	WG2533313
n-Nitrosodimethylamine	ND		0.776	2	06/08/2025 00:55	WG2533313
n-Nitrosodiphenylamine	ND		0.776	2	06/08/2025 00:55	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.776	2	06/08/2025 00:55	WG2533313
Phenanthrene	ND		0.0776	2	06/08/2025 00:55	WG2533313
Benzylbutyl phthalate	ND		0.776	2	06/08/2025 00:55	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.776	2	06/08/2025 00:55	WG2533313
Di-n-butyl phthalate	ND		0.776	2	06/08/2025 00:55	WG2533313
Diethyl phthalate	ND		0.776	2	06/08/2025 00:55	WG2533313
Dimethyl phthalate	ND		0.776	2	06/08/2025 00:55	WG2533313
Di-n-octyl phthalate	ND		0.776	2	06/08/2025 00:55	WG2533313
1,2,4-Trichlorobenzene	ND		0.776	2	06/08/2025 00:55	WG2533313
4-Chloro-3-methylphenol	ND		0.776	2	06/08/2025 00:55	WG2533313
2-Chlorophenol	ND		0.776	2	06/08/2025 00:55	WG2533313
2,4-Dichlorophenol	ND		0.776	2	06/08/2025 00:55	WG2533313
2,4-Dimethylphenol	ND		0.776	2	06/08/2025 00:55	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.776	2	06/08/2025 00:55	WG2533313
2,4-Dinitrophenol	ND		0.776	2	06/08/2025 00:55	WG2533313
2-Nitrophenol	ND		0.776	2	06/08/2025 00:55	WG2533313
4-Nitrophenol	ND		0.776	2	06/08/2025 00:55	WG2533313
Pentachlorophenol	ND		0.776	2	06/08/2025 00:55	WG2533313
Phenol	ND		0.776	2	06/08/2025 00:55	WG2533313
2,4,6-Trichlorophenol	ND		0.776	2	06/08/2025 00:55	WG2533313
(S) 2-Fluorophenol	58.0		12.0-120		06/08/2025 00:55	WG2533313
(S) Phenol-d5	47.2		10.0-120		06/08/2025 00:55	WG2533313
(S) Nitrobenzene-d5	47.6		10.0-122		06/08/2025 00:55	WG2533313
(S) 2-Fluorobiphenyl	57.0		15.0-120		06/08/2025 00:55	WG2533313
(S) 2,4,6-Tribromophenol	89.0		10.0-127		06/08/2025 00:55	WG2533313
(S) p-Terphenyl-d14	69.8		10.0-120		06/08/2025 00:55	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1867312-05 WG2533313: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Acenaphthene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Acenaphthylene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Benzo(a)anthracene	ND		0.00699	1	06/07/2025 22:05	WG2533320
Benzo(a)pyrene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Benzo(b)fluoranthene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Benzo(g,h,i)perylene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Benzo(k)fluoranthene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Chrysene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Dibenz(a,h)anthracene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Fluoranthene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Fluorene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Naphthalene	ND		0.00350	1	06/07/2025 22:05	WG2533320
Phenanthrene	ND		0.0385	1	06/07/2025 22:05	WG2533320
Pyrene	ND		0.0385	1	06/07/2025 22:05	WG2533320
1-Methylnaphthalene	ND		0.00350	1	06/07/2025 22:05	WG2533320
2-Methylnaphthalene	ND		0.0140	1	06/07/2025 22:05	WG2533320
(S) p-Terphenyl-d14	99.1		23.0-120		06/07/2025 22:05	WG2533320
(S) Nitrobenzene-d5	97.9		14.0-149		06/07/2025 22:05	WG2533320
(S) 2-Fluorobiphenyl	92.1		34.0-125		06/07/2025 22:05	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/07/2025 16:33	WG2533281
Acrolein	ND		0.0500	1	06/07/2025 16:33	WG2533281
Acrylonitrile	ND		0.0100	1	06/07/2025 16:33	WG2533281
Benzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Bromobenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Bromodichloromethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
Bromoform	ND	C3	0.00100	1	06/07/2025 16:33	WG2533281
Bromomethane	ND	C3	0.00500	1	06/07/2025 16:33	WG2533281
n-Butylbenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
sec-Butylbenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
tert-Butylbenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Carbon tetrachloride	ND		0.00100	1	06/07/2025 16:33	WG2533281
Chlorobenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Chlorodibromomethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
Chloroethane	ND	C3	0.00500	1	06/07/2025 16:33	WG2533281
Chloroform	ND		0.00500	1	06/07/2025 16:33	WG2533281
Chloromethane	ND		0.00250	1	06/07/2025 16:33	WG2533281
2-Chlorotoluene	ND		0.00100	1	06/07/2025 16:33	WG2533281
4-Chlorotoluene	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,2-Dibromo-3-Chloropropane	ND	C3	0.00500	1	06/07/2025 16:33	WG2533281
1,2-Dibromoethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
Dibromomethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,2-Dichlorobenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,3-Dichlorobenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,4-Dichlorobenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Dichlorodifluoromethane	ND	C3	0.00500	1	06/07/2025 16:33	WG2533281
1,1-Dichloroethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,2-Dichloroethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,1-Dichloroethene	ND		0.00100	1	06/07/2025 16:33	WG2533281
cis-1,2-Dichloroethene	ND		0.00100	1	06/07/2025 16:33	WG2533281
trans-1,2-Dichloroethene	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,2-Dichloropropane	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,1-Dichloropropene	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,3-Dichloropropane	ND		0.00100	1	06/07/2025 16:33	WG2533281
cis-1,3-Dichloropropene	ND		0.00100	1	06/07/2025 16:33	WG2533281
trans-1,3-Dichloropropene	ND		0.00100	1	06/07/2025 16:33	WG2533281
2,2-Dichloropropane	ND		0.00100	1	06/07/2025 16:33	WG2533281
Di-isopropyl ether	ND		0.00100	1	06/07/2025 16:33	WG2533281
Ethylbenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Hexachloro-1,3-butadiene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Isopropylbenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
p-Isopropyltoluene	ND		0.00100	1	06/07/2025 16:33	WG2533281
2-Butanone (MEK)	ND		0.0100	1	06/07/2025 16:33	WG2533281
Methylene Chloride	ND		0.00500	1	06/07/2025 16:33	WG2533281
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/07/2025 16:33	WG2533281
Methyl tert-butyl ether	ND		0.00100	1	06/07/2025 16:33	WG2533281
Naphthalene	ND	C3	0.00500	1	06/07/2025 16:33	WG2533281
n-Propylbenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Styrene	ND	C3	0.00100	1	06/07/2025 16:33	WG2533281
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
Tetrachloroethene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Toluene	ND	C3	0.00100	1	06/07/2025 16:33	WG2533281
1,2,3-Trichlorobenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,2,4-Trichlorobenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,1,2-Trichloroethane	ND		0.00100	1	06/07/2025 16:33	WG2533281
Trichloroethene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Trichlorofluoromethane	ND	C3	0.00500	1	06/07/2025 16:33	WG2533281
1,2,3-Trichloropropane	ND		0.00250	1	06/07/2025 16:33	WG2533281
1,2,4-Trimethylbenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,2,3-Trimethylbenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
1,3,5-Trimethylbenzene	ND		0.00100	1	06/07/2025 16:33	WG2533281
Vinyl chloride	ND	C3 J4	0.00100	1	06/07/2025 16:33	WG2533281
Xylenes, Total	ND		0.00300	1	06/07/2025 16:33	WG2533281
(S) Toluene-d8	97.9		80.0-120		06/07/2025 16:33	WG2533281
(S) 4-Bromofluorobenzene	96.3		77.0-126		06/07/2025 16:33	WG2533281
(S) 1,2-Dichloroethane-d4	111		70.0-130		06/07/2025 16:33	WG2533281

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	6.81		1	06/12/2025 13:42	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1450		24.6	1	06/10/2025 13:12	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.0		1	06/07/2025 15:56	WG2533304

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.0	1	06/09/2025 22:42	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1450		120	5	06/10/2025 13:12	WG2533907

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.241	1	06/10/2025 01:16	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.65		1	06/12/2025 07:43	WG2536694

Sample Narrative:
L1867312-07 WG2536694: 8.65 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	7200	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:
L1867312-07 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24.6	1.02	06/07/2025 21:45	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	10100		500	5	06/08/2025 19:34	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	2.94		0.200	1	06/12/2025 02:31	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	6480		24.1	1	06/07/2025 21:14	WG2533358
Antimony	ND		2.41	1	06/07/2025 21:14	WG2533358
Beryllium	0.429		0.241	1	06/07/2025 21:14	WG2533358
Calcium	9490		120	1	06/07/2025 21:14	WG2533358
Chromium	6.78		1.20	1	06/07/2025 21:14	WG2533358
Cobalt	3.79		1.20	1	06/07/2025 21:14	WG2533358
Iron	12100		12.0	1	06/07/2025 21:14	WG2533358
Magnesium	4050		120	1	06/07/2025 21:14	WG2533358
Manganese	264		1.20	1	06/07/2025 21:14	WG2533358
Potassium	2080		120	1	06/07/2025 21:14	WG2533358
Sodium	1500		120	1	06/07/2025 21:14	WG2533358
Thallium	ND		2.41	1	06/07/2025 21:14	WG2533358
Vanadium	16.5		2.41	1	06/07/2025 21:14	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.60		0.120	5	06/12/2025 21:12	WG2537275
Barium	71.6		12.0	5	06/12/2025 21:12	WG2537275
Cadmium	0.242		0.120	5	06/12/2025 21:12	WG2537275
Copper	31.7		12.0	5	06/12/2025 21:12	WG2537275
Lead	ND		12.0	5	06/12/2025 21:12	WG2537275
Nickel	ND		12.0	5	06/12/2025 21:12	WG2537275
Selenium	0.483		0.120	5	06/12/2025 21:12	WG2537275
Silver	ND		0.602	5	06/12/2025 21:12	WG2537275
Zinc	ND		60.2	5	06/12/2025 21:12	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.52	25	06/07/2025 16:19	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101		77.0-120		06/07/2025 16:19	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0705	1	06/07/2025 15:56	WG2533283
Acrylonitrile	ND		0.0176	1	06/07/2025 15:56	WG2533283
Benzene	ND		0.00141	1	06/07/2025 15:56	WG2533283
Bromobenzene	ND		0.0176	1	06/07/2025 15:56	WG2533283
Bromodichloromethane	ND		0.00352	1	06/07/2025 15:56	WG2533283
Bromoform	ND		0.0352	1	06/07/2025 15:56	WG2533283
Bromomethane	ND	C3	0.0176	1	06/07/2025 15:56	WG2533283
n-Butylbenzene	ND		0.0176	1	06/07/2025 15:56	WG2533283
sec-Butylbenzene	ND		0.0176	1	06/07/2025 15:56	WG2533283
tert-Butylbenzene	ND		0.00705	1	06/07/2025 15:56	WG2533283
Carbon tetrachloride	ND		0.00705	1	06/07/2025 15:56	WG2533283
Chlorobenzene	ND		0.00352	1	06/07/2025 15:56	WG2533283
Chlorodibromomethane	ND		0.00352	1	06/07/2025 15:56	WG2533283



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3	0.00705	1	06/07/2025 15:56	WG2533283
Chloroform	0.00374	B	0.00352	1	06/07/2025 15:56	WG2533283
Chloromethane	ND	C3	0.0176	1	06/07/2025 15:56	WG2533283
2-Chlorotoluene	ND		0.00352	1	06/07/2025 15:56	WG2533283
4-Chlorotoluene	ND		0.00705	1	06/07/2025 15:56	WG2533283
1,2-Dibromo-3-Chloropropane	ND		0.0352	1	06/07/2025 15:56	WG2533283
1,2-Dibromoethane	ND		0.00352	1	06/07/2025 15:56	WG2533283
Dibromomethane	ND		0.00705	1	06/07/2025 15:56	WG2533283
1,2-Dichlorobenzene	ND		0.00705	1	06/07/2025 15:56	WG2533283
1,3-Dichlorobenzene	ND		0.00705	1	06/07/2025 15:56	WG2533283
1,4-Dichlorobenzene	ND		0.00705	1	06/07/2025 15:56	WG2533283
Dichlorodifluoromethane	ND	C3	0.00705	1	06/07/2025 15:56	WG2533283
1,1-Dichloroethane	ND	C3	0.00352	1	06/07/2025 15:56	WG2533283
1,2-Dichloroethane	ND		0.00352	1	06/07/2025 15:56	WG2533283
1,1-Dichloroethene	ND	C3	0.00352	1	06/07/2025 15:56	WG2533283
cis-1,2-Dichloroethene	ND		0.00352	1	06/07/2025 15:56	WG2533283
trans-1,2-Dichloroethene	ND		0.00705	1	06/07/2025 15:56	WG2533283
1,2-Dichloropropane	ND		0.00705	1	06/07/2025 15:56	WG2533283
1,1-Dichloropropene	ND		0.00352	1	06/07/2025 15:56	WG2533283
1,3-Dichloropropane	ND		0.00705	1	06/07/2025 15:56	WG2533283
cis-1,3-Dichloropropene	ND		0.00352	1	06/07/2025 15:56	WG2533283
trans-1,3-Dichloropropene	ND		0.00705	1	06/07/2025 15:56	WG2533283
2,2-Dichloropropane	ND		0.00352	1	06/07/2025 15:56	WG2533283
Di-isopropyl ether	ND		0.00141	1	06/07/2025 15:56	WG2533283
Ethylbenzene	ND		0.0141	1	06/07/2025 15:56	WG2533283
Hexachloro-1,3-butadiene	ND		0.0352	1	06/07/2025 15:56	WG2533283
Isopropylbenzene	ND		0.00352	1	06/07/2025 15:56	WG2533283
p-Isopropyltoluene	ND		0.00705	1	06/07/2025 15:56	WG2533283
2-Butanone (MEK)	ND		0.141	1	06/07/2025 15:56	WG2533283
Methylene Chloride	ND		0.0352	1	06/07/2025 15:56	WG2533283
4-Methyl-2-pentanone (MIBK)	ND		0.0352	1	06/07/2025 15:56	WG2533283
Methyl tert-butyl ether	ND		0.00141	1	06/07/2025 15:56	WG2533283
n-Propylbenzene	ND		0.00705	1	06/07/2025 15:56	WG2533283
Styrene	ND		0.0176	1	06/07/2025 15:56	WG2533283
1,1,1,2-Tetrachloroethane	ND		0.00352	1	06/07/2025 15:56	WG2533283
1,1,2,2-Tetrachloroethane	ND		0.00352	1	06/07/2025 15:56	WG2533283
1,1,2-Trichlorotrifluoroethane	ND		0.00352	1	06/07/2025 15:56	WG2533283
Tetrachloroethene	ND		0.00352	1	06/07/2025 15:56	WG2533283
Toluene	ND		0.0141	1	06/07/2025 15:56	WG2533283
1,2,3-Trichlorobenzene	ND		0.0176	1	06/07/2025 15:56	WG2533283
1,2,4-Trichlorobenzene	ND		0.0176	1	06/07/2025 15:56	WG2533283
1,1,1-Trichloroethane	ND		0.00352	1	06/07/2025 15:56	WG2533283
1,1,2-Trichloroethane	ND		0.00352	1	06/07/2025 15:56	WG2533283
Trichloroethene	ND		0.00141	1	06/07/2025 15:56	WG2533283
Trichlorofluoromethane	ND	C3	0.00352	1	06/07/2025 15:56	WG2533283
1,2,3-Trichloropropane	ND		0.0176	1	06/07/2025 15:56	WG2533283
1,2,3-Trimethylbenzene	ND		0.00705	1	06/07/2025 15:56	WG2533283
1,2,4-Trimethylbenzene	ND		0.00705	1	06/07/2025 15:56	WG2533283
1,3,5-Trimethylbenzene	ND		0.00705	1	06/07/2025 15:56	WG2533283
Vinyl chloride	ND	C3	0.00352	1	06/07/2025 15:56	WG2533283
Xylenes, Total	ND		0.141	1	06/07/2025 15:56	WG2533283
(S) Toluene-d8	106		75.0-131		06/07/2025 15:56	WG2533283
(S) 4-Bromofluorobenzene	99.0		67.0-138		06/07/2025 15:56	WG2533283
(S) 1,2-Dichloroethane-d4	89.8		70.0-130		06/07/2025 15:56	WG2533283

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		62.2	12.9	06/11/2025 13:35	WG2534104
C28-C36 Motor Oil Range	124		62.2	12.9	06/11/2025 13:35	WG2534104
(S) o-Terphenyl	61.7		18.0-148		06/11/2025 13:35	WG2534104

Sample Narrative:

L1867312-07 WG2534104: Dilution due to matrix impact during extraction procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0802	2	06/08/2025 04:37	WG25333313
Benzidine	ND	J4	4.02	2	06/08/2025 04:37	WG25333313
Benzo(g,h,i)perylene	ND		0.0802	2	06/08/2025 04:37	WG25333313
Bis(2-chlorethoxy)methane	ND		0.802	2	06/08/2025 04:37	WG25333313
Bis(2-chloroethyl)ether	ND		0.802	2	06/08/2025 04:37	WG25333313
2,2-Oxybis(1-Chloropropane)	ND		0.802	2	06/08/2025 04:37	WG25333313
4-Bromophenyl-phenylether	ND		0.802	2	06/08/2025 04:37	WG25333313
2-Chloronaphthalene	ND		0.0802	2	06/08/2025 04:37	WG25333313
4-Chlorophenyl-phenylether	ND		0.802	2	06/08/2025 04:37	WG25333313
1,2-Dichlorobenzene	ND		0.802	2	06/08/2025 04:37	WG25333313
1,3-Dichlorobenzene	ND		0.802	2	06/08/2025 04:37	WG25333313
1,4-Dichlorobenzene	ND		0.802	2	06/08/2025 04:37	WG25333313
3,3-Dichlorobenzidine	ND		0.802	2	06/08/2025 04:37	WG25333313
2,4-Dinitrotoluene	ND		0.802	2	06/08/2025 04:37	WG25333313
2,6-Dinitrotoluene	ND		0.802	2	06/08/2025 04:37	WG25333313
Hexachlorobenzene	ND		0.802	2	06/08/2025 04:37	WG25333313
Hexachloro-1,3-butadiene	ND		0.802	2	06/08/2025 04:37	WG25333313
Hexachlorocyclopentadiene	ND	C7	0.802	2	06/08/2025 04:37	WG25333313
Hexachloroethane	ND		0.802	2	06/08/2025 04:37	WG25333313
Isophorone	ND		0.802	2	06/08/2025 04:37	WG25333313
Nitrobenzene	ND		0.802	2	06/08/2025 04:37	WG25333313
n-Nitrosodimethylamine	ND		0.802	2	06/08/2025 04:37	WG25333313
n-Nitrosodiphenylamine	ND		0.802	2	06/08/2025 04:37	WG25333313
n-Nitrosodi-n-propylamine	ND	C3	0.802	2	06/08/2025 04:37	WG25333313
Phenanthrene	ND		0.0802	2	06/08/2025 04:37	WG25333313
Benzylbutyl phthalate	ND		0.802	2	06/08/2025 04:37	WG25333313
Bis(2-ethylhexyl)phthalate	ND		0.802	2	06/08/2025 04:37	WG25333313
Di-n-butyl phthalate	ND		0.802	2	06/08/2025 04:37	WG25333313
Diethyl phthalate	ND		0.802	2	06/08/2025 04:37	WG25333313
Dimethyl phthalate	ND		0.802	2	06/08/2025 04:37	WG25333313
Di-n-octyl phthalate	ND		0.802	2	06/08/2025 04:37	WG25333313
1,2,4-Trichlorobenzene	ND		0.802	2	06/08/2025 04:37	WG25333313
4-Chloro-3-methylphenol	ND		0.802	2	06/08/2025 04:37	WG25333313
2-Chlorophenol	ND		0.802	2	06/08/2025 04:37	WG25333313
2,4-Dichlorophenol	ND		0.802	2	06/08/2025 04:37	WG25333313
2,4-Dimethylphenol	ND		0.802	2	06/08/2025 04:37	WG25333313
4,6-Dinitro-2-methylphenol	ND		0.802	2	06/08/2025 04:37	WG25333313
2,4-Dinitrophenol	ND		0.802	2	06/08/2025 04:37	WG25333313
2-Nitrophenol	ND		0.802	2	06/08/2025 04:37	WG25333313
4-Nitrophenol	ND		0.802	2	06/08/2025 04:37	WG25333313
Pentachlorophenol	ND		0.802	2	06/08/2025 04:37	WG25333313
Phenol	ND		0.802	2	06/08/2025 04:37	WG25333313
2,4,6-Trichlorophenol	ND		0.802	2	06/08/2025 04:37	WG25333313
(S) 2-Fluorophenol	56.6		12.0-120		06/08/2025 04:37	WG25333313
(S) Phenol-d5	48.4		10.0-120		06/08/2025 04:37	WG25333313
(S) Nitrobenzene-d5	53.0		10.0-122		06/08/2025 04:37	WG25333313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	62.1		15.0-120		06/08/2025 04:37	WG2533313
(S) 2,4,6-Tribromophenol	84.1		10.0-127		06/08/2025 04:37	WG2533313
(S) p-Terphenyl-d14	78.2		10.0-120		06/08/2025 04:37	WG2533313

Sample Narrative:

L1867312-07 WG2533313: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Acenaphthene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Acenaphthylene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Benzo(a)anthracene	ND		0.00723	1	06/07/2025 22:23	WG2533320
Benzo(a)pyrene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Benzo(b)fluoranthene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Benzo(g,h,i)perylene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Benzo(k)fluoranthene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Chrysene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Dibenz(a,h)anthracene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Fluoranthene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Fluorene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Naphthalene	ND		0.00361	1	06/07/2025 22:23	WG2533320
Phenanthrene	ND		0.0398	1	06/07/2025 22:23	WG2533320
Pyrene	ND		0.0398	1	06/07/2025 22:23	WG2533320
1-Methylnaphthalene	ND		0.00361	1	06/07/2025 22:23	WG2533320
2-Methylnaphthalene	ND		0.0145	1	06/07/2025 22:23	WG2533320
(S) p-Terphenyl-d14	97.7		23.0-120		06/07/2025 22:23	WG2533320
(S) Nitrobenzene-d5	87.8		14.0-149		06/07/2025 22:23	WG2533320
(S) 2-Fluorobiphenyl	80.3		34.0-125		06/07/2025 22:23	WG2533320



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.445		1	06/12/2025 13:47	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	498		23.3	1	06/10/2025 13:16	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	06/07/2025 15:56	WG2533304

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.7	1	06/09/2025 22:44	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	496	J6	23.3	1	06/10/2025 13:16	WG2533907

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.233	1	06/10/2025 08:36	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.12		1	06/12/2025 07:43	WG2536694

Sample Narrative:
L1867312-08 WG2536694: 8.12 at 21.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	464	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:
L1867312-08 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23.3	1	06/07/2025 22:01	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	4750		400	4	06/08/2025 19:35	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.805		0.200	1	06/12/2025 02:34	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4550		23.3	1	06/07/2025 21:16	WG2533358
Antimony	ND		2.33	1	06/07/2025 21:16	WG2533358
Beryllium	0.308		0.233	1	06/07/2025 21:16	WG2533358
Calcium	6610		117	1	06/07/2025 21:16	WG2533358
Chromium	6.59		1.17	1	06/07/2025 21:16	WG2533358
Cobalt	2.94		1.17	1	06/07/2025 21:16	WG2533358
Iron	9060		11.7	1	06/07/2025 21:16	WG2533358
Magnesium	1900		117	1	06/07/2025 21:16	WG2533358
Manganese	176		1.17	1	06/07/2025 21:16	WG2533358
Potassium	1410		117	1	06/07/2025 21:16	WG2533358
Sodium	126		117	1	06/07/2025 21:16	WG2533358
Thallium	ND		2.33	1	06/07/2025 21:16	WG2533358
Vanadium	13.9		2.33	1	06/07/2025 21:16	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.40		0.117	5	06/12/2025 21:15	WG2537275
Barium	1010		11.7	5	06/12/2025 21:15	WG2537275
Cadmium	0.141		0.117	5	06/12/2025 21:15	WG2537275
Copper	ND		11.7	5	06/12/2025 21:15	WG2537275
Lead	ND		11.7	5	06/12/2025 21:15	WG2537275
Nickel	ND		11.7	5	06/12/2025 21:15	WG2537275
Selenium	0.489		0.117	5	06/12/2025 21:15	WG2537275
Silver	ND		0.583	5	06/12/2025 21:15	WG2537275
Zinc	ND		58.3	5	06/12/2025 21:15	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.33	25	06/07/2025 16:41	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.4		77.0-120		06/07/2025 16:41	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0665	1	06/07/2025 16:14	WG2533283
Acrylonitrile	ND		0.0166	1	06/07/2025 16:14	WG2533283
Benzene	ND		0.00133	1	06/07/2025 16:14	WG2533283
Bromobenzene	ND		0.0166	1	06/07/2025 16:14	WG2533283
Bromodichloromethane	ND		0.00333	1	06/07/2025 16:14	WG2533283
Bromoform	ND		0.0333	1	06/07/2025 16:14	WG2533283
Bromomethane	ND	C3	0.0166	1	06/07/2025 16:14	WG2533283
n-Butylbenzene	ND		0.0166	1	06/07/2025 16:14	WG2533283
sec-Butylbenzene	ND		0.0166	1	06/07/2025 16:14	WG2533283
tert-Butylbenzene	ND		0.00665	1	06/07/2025 16:14	WG2533283
Carbon tetrachloride	ND		0.00665	1	06/07/2025 16:14	WG2533283
Chlorobenzene	ND		0.00333	1	06/07/2025 16:14	WG2533283
Chlorodibromomethane	ND		0.00333	1	06/07/2025 16:14	WG2533283



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3	0.00665	1	06/07/2025 16:14	WG2533283
Chloroform	ND		0.00333	1	06/07/2025 16:14	WG2533283
Chloromethane	ND	C3	0.0166	1	06/07/2025 16:14	WG2533283
2-Chlorotoluene	ND		0.00333	1	06/07/2025 16:14	WG2533283
4-Chlorotoluene	ND		0.00665	1	06/07/2025 16:14	WG2533283
1,2-Dibromo-3-Chloropropane	ND		0.0333	1	06/07/2025 16:14	WG2533283
1,2-Dibromoethane	ND		0.00333	1	06/07/2025 16:14	WG2533283
Dibromomethane	ND		0.00665	1	06/07/2025 16:14	WG2533283
1,2-Dichlorobenzene	ND		0.00665	1	06/07/2025 16:14	WG2533283
1,3-Dichlorobenzene	ND		0.00665	1	06/07/2025 16:14	WG2533283
1,4-Dichlorobenzene	ND		0.00665	1	06/07/2025 16:14	WG2533283
Dichlorodifluoromethane	ND	C3	0.00665	1	06/07/2025 16:14	WG2533283
1,1-Dichloroethane	ND	C3	0.00333	1	06/07/2025 16:14	WG2533283
1,2-Dichloroethane	ND		0.00333	1	06/07/2025 16:14	WG2533283
1,1-Dichloroethene	ND	C3	0.00333	1	06/07/2025 16:14	WG2533283
cis-1,2-Dichloroethene	ND		0.00333	1	06/07/2025 16:14	WG2533283
trans-1,2-Dichloroethene	ND		0.00665	1	06/07/2025 16:14	WG2533283
1,2-Dichloropropane	ND		0.00665	1	06/07/2025 16:14	WG2533283
1,1-Dichloropropene	ND		0.00333	1	06/07/2025 16:14	WG2533283
1,3-Dichloropropane	ND		0.00665	1	06/07/2025 16:14	WG2533283
cis-1,3-Dichloropropene	ND		0.00333	1	06/07/2025 16:14	WG2533283
trans-1,3-Dichloropropene	ND		0.00665	1	06/07/2025 16:14	WG2533283
2,2-Dichloropropane	ND		0.00333	1	06/07/2025 16:14	WG2533283
Di-isopropyl ether	ND		0.00133	1	06/07/2025 16:14	WG2533283
Ethylbenzene	ND		0.0133	1	06/07/2025 16:14	WG2533283
Hexachloro-1,3-butadiene	ND		0.0333	1	06/07/2025 16:14	WG2533283
Isopropylbenzene	ND		0.00333	1	06/07/2025 16:14	WG2533283
p-Isopropyltoluene	ND		0.00665	1	06/07/2025 16:14	WG2533283
2-Butanone (MEK)	ND		0.133	1	06/07/2025 16:14	WG2533283
Methylene Chloride	ND		0.0333	1	06/07/2025 16:14	WG2533283
4-Methyl-2-pentanone (MIBK)	ND		0.0333	1	06/07/2025 16:14	WG2533283
Methyl tert-butyl ether	ND		0.00133	1	06/07/2025 16:14	WG2533283
n-Propylbenzene	ND		0.00665	1	06/07/2025 16:14	WG2533283
Styrene	ND		0.0166	1	06/07/2025 16:14	WG2533283
1,1,1,2-Tetrachloroethane	ND		0.00333	1	06/07/2025 16:14	WG2533283
1,1,2,2-Tetrachloroethane	ND		0.00333	1	06/07/2025 16:14	WG2533283
1,1,2-Trichlorotrifluoroethane	ND		0.00333	1	06/07/2025 16:14	WG2533283
Tetrachloroethene	ND		0.00333	1	06/07/2025 16:14	WG2533283
Toluene	ND		0.0133	1	06/07/2025 16:14	WG2533283
1,2,3-Trichlorobenzene	ND		0.0166	1	06/07/2025 16:14	WG2533283
1,2,4-Trichlorobenzene	ND		0.0166	1	06/07/2025 16:14	WG2533283
1,1,1-Trichloroethane	ND		0.00333	1	06/07/2025 16:14	WG2533283
1,1,2-Trichloroethane	ND		0.00333	1	06/07/2025 16:14	WG2533283
Trichloroethene	ND		0.00133	1	06/07/2025 16:14	WG2533283
Trichlorofluoromethane	ND	C3	0.00333	1	06/07/2025 16:14	WG2533283
1,2,3-Trichloropropane	ND		0.0166	1	06/07/2025 16:14	WG2533283
1,2,3-Trimethylbenzene	ND		0.00665	1	06/07/2025 16:14	WG2533283
1,2,4-Trimethylbenzene	ND		0.00665	1	06/07/2025 16:14	WG2533283
1,3,5-Trimethylbenzene	ND		0.00665	1	06/07/2025 16:14	WG2533283
Vinyl chloride	ND	C3	0.00333	1	06/07/2025 16:14	WG2533283
Xylenes, Total	ND		0.133	1	06/07/2025 16:14	WG2533283
(S) Toluene-d8	108		75.0-131		06/07/2025 16:14	WG2533283
(S) 4-Bromofluorobenzene	102		67.0-138		06/07/2025 16:14	WG2533283
(S) 1,2-Dichloroethane-d4	90.5		70.0-130		06/07/2025 16:14	WG2533283

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.16		4.66	1	06/08/2025 06:29	WG2533319
C28-C36 Motor Oil Range	42.0		4.66	1	06/08/2025 06:29	WG2533319
(S) o-Terphenyl	69.0		18.0-148		06/08/2025 06:29	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0388	1	06/07/2025 22:48	WG2533313
Benzidine	ND	J4	1.95	1	06/07/2025 22:48	WG2533313
Benzo(g,h,i)perylene	ND		0.0388	1	06/07/2025 22:48	WG2533313
Bis(2-chlorethoxy)methane	ND		0.388	1	06/07/2025 22:48	WG2533313
Bis(2-chloroethyl)ether	ND		0.388	1	06/07/2025 22:48	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.388	1	06/07/2025 22:48	WG2533313
4-Bromophenyl-phenylether	ND		0.388	1	06/07/2025 22:48	WG2533313
2-Chloronaphthalene	ND		0.0388	1	06/07/2025 22:48	WG2533313
4-Chlorophenyl-phenylether	ND		0.388	1	06/07/2025 22:48	WG2533313
1,2-Dichlorobenzene	ND		0.388	1	06/07/2025 22:48	WG2533313
1,3-Dichlorobenzene	ND		0.388	1	06/07/2025 22:48	WG2533313
1,4-Dichlorobenzene	ND		0.388	1	06/07/2025 22:48	WG2533313
3,3-Dichlorobenzidine	ND		0.388	1	06/07/2025 22:48	WG2533313
2,4-Dinitrotoluene	ND		0.388	1	06/07/2025 22:48	WG2533313
2,6-Dinitrotoluene	ND		0.388	1	06/07/2025 22:48	WG2533313
Hexachlorobenzene	ND		0.388	1	06/07/2025 22:48	WG2533313
Hexachloro-1,3-butadiene	ND		0.388	1	06/07/2025 22:48	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.388	1	06/07/2025 22:48	WG2533313
Hexachloroethane	ND		0.388	1	06/07/2025 22:48	WG2533313
Isophorone	ND		0.388	1	06/07/2025 22:48	WG2533313
Nitrobenzene	ND		0.388	1	06/07/2025 22:48	WG2533313
n-Nitrosodimethylamine	ND		0.388	1	06/07/2025 22:48	WG2533313
n-Nitrosodiphenylamine	ND		0.388	1	06/07/2025 22:48	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.388	1	06/07/2025 22:48	WG2533313
Phenanthrene	ND		0.0388	1	06/07/2025 22:48	WG2533313
Benzylbutyl phthalate	ND		0.388	1	06/07/2025 22:48	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.388	1	06/07/2025 22:48	WG2533313
Di-n-butyl phthalate	ND		0.388	1	06/07/2025 22:48	WG2533313
Diethyl phthalate	ND		0.388	1	06/07/2025 22:48	WG2533313
Dimethyl phthalate	ND		0.388	1	06/07/2025 22:48	WG2533313
Di-n-octyl phthalate	ND		0.388	1	06/07/2025 22:48	WG2533313
1,2,4-Trichlorobenzene	ND		0.388	1	06/07/2025 22:48	WG2533313
4-Chloro-3-methylphenol	ND		0.388	1	06/07/2025 22:48	WG2533313
2-Chlorophenol	ND		0.388	1	06/07/2025 22:48	WG2533313
2,4-Dichlorophenol	ND		0.388	1	06/07/2025 22:48	WG2533313
2,4-Dimethylphenol	ND		0.388	1	06/07/2025 22:48	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.388	1	06/07/2025 22:48	WG2533313
2,4-Dinitrophenol	ND		0.388	1	06/07/2025 22:48	WG2533313
2-Nitrophenol	ND		0.388	1	06/07/2025 22:48	WG2533313
4-Nitrophenol	ND		0.388	1	06/07/2025 22:48	WG2533313
Pentachlorophenol	ND		0.388	1	06/07/2025 22:48	WG2533313
Phenol	ND		0.388	1	06/07/2025 22:48	WG2533313
2,4,6-Trichlorophenol	ND		0.388	1	06/07/2025 22:48	WG2533313
(S) 2-Fluorophenol	65.4		12.0-120		06/07/2025 22:48	WG2533313
(S) Phenol-d5	56.4		10.0-120		06/07/2025 22:48	WG2533313
(S) Nitrobenzene-d5	68.5		10.0-122		06/07/2025 22:48	WG2533313
(S) 2-Fluorobiphenyl	70.7		15.0-120		06/07/2025 22:48	WG2533313
(S) 2,4,6-Tribromophenol	85.2		10.0-127		06/07/2025 22:48	WG2533313
(S) p-Terphenyl-d14	77.3		10.0-120		06/07/2025 22:48	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Acenaphthene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Acenaphthylene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Benzo(a)anthracene	ND		0.00699	1	06/07/2025 22:41	WG2533320
Benzo(a)pyrene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Benzo(b)fluoranthene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Benzo(g,h,i)perylene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Benzo(k)fluoranthene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Chrysene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Dibenz(a,h)anthracene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Fluoranthene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Fluorene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Naphthalene	ND		0.00350	1	06/07/2025 22:41	WG2533320
Phenanthrene	ND		0.0385	1	06/07/2025 22:41	WG2533320
Pyrene	ND		0.0385	1	06/07/2025 22:41	WG2533320
1-Methylnaphthalene	ND		0.00350	1	06/07/2025 22:41	WG2533320
2-Methylnaphthalene	ND		0.0140	1	06/07/2025 22:41	WG2533320
(S) p-Terphenyl-d14	116		23.0-120		06/07/2025 22:41	WG2533320
(S) Nitrobenzene-d5	96.6		14.0-149		06/07/2025 22:41	WG2533320
(S) 2-Fluorobiphenyl	103		34.0-125		06/07/2025 22:41	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.99		1	06/12/2025 13:48	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2850		24.4	1	06/10/2025 12:23	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.0		1	06/07/2025 15:56	WG2533304

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.2	1	06/09/2025 22:45	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2850		122	5	06/10/2025 12:23	WG2533911

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	J3 J6	0.244	1	06/10/2025 01:37	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.95		1	06/12/2025 07:43	WG2536694

Sample Narrative:

L1867312-09 WG2536694: 7.95 at 21.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3610	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:

L1867312-09 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24.4	1	06/07/2025 22:18	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	19000		500	5	06/08/2025 19:35	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.75		0.200	1	06/12/2025 02:37	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	11300	V	24.4	1	06/07/2025 20:49	WG2533358
Antimony	ND	J6	2.44	1	06/07/2025 20:49	WG2533358
Beryllium	0.688		0.244	1	06/07/2025 20:49	WG2533358
Calcium	9910	V	122	1	06/07/2025 20:49	WG2533358
Chromium	11.2		1.22	1	06/07/2025 20:49	WG2533358
Cobalt	5.65		1.22	1	06/07/2025 20:49	WG2533358
Iron	14500	J3 O1 V	12.2	1	06/07/2025 20:49	WG2533358
Magnesium	4120	J6	122	1	06/07/2025 20:49	WG2533358
Manganese	394	J3 J6	1.22	1	06/07/2025 20:49	WG2533358
Potassium	3430	J6	122	1	06/07/2025 20:49	WG2533358
Sodium	509		122	1	06/07/2025 20:49	WG2533358
Thallium	ND		2.44	1	06/07/2025 20:49	WG2533358
Vanadium	23.6		2.44	1	06/07/2025 20:49	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.38		0.122	5	06/12/2025 20:27	WG2537275
Barium	106	J6	12.2	5	06/12/2025 20:27	WG2537275
Cadmium	0.364		0.122	5	06/12/2025 20:27	WG2537275
Copper	12.9		12.2	5	06/12/2025 20:27	WG2537275
Lead	ND		12.2	5	06/12/2025 20:27	WG2537275
Nickel	ND		12.2	5	06/12/2025 20:27	WG2537275
Selenium	0.482		0.122	5	06/12/2025 20:27	WG2537275
Silver	ND		0.610	5	06/12/2025 20:27	WG2537275
Zinc	ND	J5 O1	61.0	5	06/12/2025 20:27	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.60	25	06/07/2025 17:03	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/07/2025 17:03	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0720	1	06/07/2025 16:33	WG2533283
Acrylonitrile	ND		0.0180	1	06/07/2025 16:33	WG2533283
Benzene	ND		0.00144	1	06/07/2025 16:33	WG2533283
Bromobenzene	ND		0.0180	1	06/07/2025 16:33	WG2533283
Bromodichloromethane	ND		0.00360	1	06/07/2025 16:33	WG2533283
Bromoform	ND		0.0360	1	06/07/2025 16:33	WG2533283
Bromomethane	ND	C3	0.0180	1	06/07/2025 16:33	WG2533283
n-Butylbenzene	ND		0.0180	1	06/07/2025 16:33	WG2533283
sec-Butylbenzene	ND		0.0180	1	06/07/2025 16:33	WG2533283
tert-Butylbenzene	ND		0.00720	1	06/07/2025 16:33	WG2533283
Carbon tetrachloride	ND		0.00720	1	06/07/2025 16:33	WG2533283
Chlorobenzene	ND		0.00360	1	06/07/2025 16:33	WG2533283
Chlorodibromomethane	ND		0.00360	1	06/07/2025 16:33	WG2533283

1
Cp2
Tc3
Ss4
Cn5
Ds6
Sr7
Qc8
Gl9
Al10
Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3	0.00720	1	06/07/2025 16:33	WG2533283
Chloroform	0.00389	B	0.00360	1	06/07/2025 16:33	WG2533283
Chloromethane	ND	C3	0.0180	1	06/07/2025 16:33	WG2533283
2-Chlorotoluene	ND		0.00360	1	06/07/2025 16:33	WG2533283
4-Chlorotoluene	ND		0.00720	1	06/07/2025 16:33	WG2533283
1,2-Dibromo-3-Chloropropane	ND		0.0360	1	06/07/2025 16:33	WG2533283
1,2-Dibromoethane	ND		0.00360	1	06/07/2025 16:33	WG2533283
Dibromomethane	ND		0.00720	1	06/07/2025 16:33	WG2533283
1,2-Dichlorobenzene	ND		0.00720	1	06/07/2025 16:33	WG2533283
1,3-Dichlorobenzene	ND		0.00720	1	06/07/2025 16:33	WG2533283
1,4-Dichlorobenzene	ND		0.00720	1	06/07/2025 16:33	WG2533283
Dichlorodifluoromethane	ND	C3	0.00720	1	06/07/2025 16:33	WG2533283
1,1-Dichloroethane	ND	C3	0.00360	1	06/07/2025 16:33	WG2533283
1,2-Dichloroethane	ND		0.00360	1	06/07/2025 16:33	WG2533283
1,1-Dichloroethene	ND	C3	0.00360	1	06/07/2025 16:33	WG2533283
cis-1,2-Dichloroethene	ND		0.00360	1	06/07/2025 16:33	WG2533283
trans-1,2-Dichloroethene	ND		0.00720	1	06/07/2025 16:33	WG2533283
1,2-Dichloropropane	ND		0.00720	1	06/07/2025 16:33	WG2533283
1,1-Dichloropropene	ND		0.00360	1	06/07/2025 16:33	WG2533283
1,3-Dichloropropane	ND		0.00720	1	06/07/2025 16:33	WG2533283
cis-1,3-Dichloropropene	ND		0.00360	1	06/07/2025 16:33	WG2533283
trans-1,3-Dichloropropene	ND		0.00720	1	06/07/2025 16:33	WG2533283
2,2-Dichloropropane	ND		0.00360	1	06/07/2025 16:33	WG2533283
Di-isopropyl ether	ND		0.00144	1	06/07/2025 16:33	WG2533283
Ethylbenzene	ND		0.0144	1	06/07/2025 16:33	WG2533283
Hexachloro-1,3-butadiene	ND		0.0360	1	06/07/2025 16:33	WG2533283
Isopropylbenzene	ND		0.00360	1	06/07/2025 16:33	WG2533283
p-Isopropyltoluene	ND		0.00720	1	06/07/2025 16:33	WG2533283
2-Butanone (MEK)	ND		0.144	1	06/07/2025 16:33	WG2533283
Methylene Chloride	ND		0.0360	1	06/07/2025 16:33	WG2533283
4-Methyl-2-pentanone (MIBK)	ND		0.0360	1	06/07/2025 16:33	WG2533283
Methyl tert-butyl ether	ND		0.00144	1	06/07/2025 16:33	WG2533283
n-Propylbenzene	ND		0.00720	1	06/07/2025 16:33	WG2533283
Styrene	ND		0.0180	1	06/07/2025 16:33	WG2533283
1,1,1,2-Tetrachloroethane	ND		0.00360	1	06/07/2025 16:33	WG2533283
1,1,2,2-Tetrachloroethane	ND		0.00360	1	06/07/2025 16:33	WG2533283
1,1,2-Trichlorotrifluoroethane	ND		0.00360	1	06/07/2025 16:33	WG2533283
Tetrachloroethene	ND		0.00360	1	06/07/2025 16:33	WG2533283
Toluene	ND		0.0144	1	06/07/2025 16:33	WG2533283
1,2,3-Trichlorobenzene	ND		0.0180	1	06/07/2025 16:33	WG2533283
1,2,4-Trichlorobenzene	ND		0.0180	1	06/07/2025 16:33	WG2533283
1,1,1-Trichloroethane	ND		0.00360	1	06/07/2025 16:33	WG2533283
1,1,2-Trichloroethane	ND		0.00360	1	06/07/2025 16:33	WG2533283
Trichloroethene	ND		0.00144	1	06/07/2025 16:33	WG2533283
Trichlorofluoromethane	ND	C3	0.00360	1	06/07/2025 16:33	WG2533283
1,2,3-Trichloropropane	ND		0.0180	1	06/07/2025 16:33	WG2533283
1,2,3-Trimethylbenzene	ND		0.00720	1	06/07/2025 16:33	WG2533283
1,2,4-Trimethylbenzene	ND		0.00720	1	06/07/2025 16:33	WG2533283
1,3,5-Trimethylbenzene	ND		0.00720	1	06/07/2025 16:33	WG2533283
Vinyl chloride	ND	C3	0.00360	1	06/07/2025 16:33	WG2533283
Xylenes, Total	ND		0.144	1	06/07/2025 16:33	WG2533283
(S) Toluene-d8	106		75.0-131		06/07/2025 16:33	WG2533283
(S) 4-Bromofluorobenzene	101		67.0-138		06/07/2025 16:33	WG2533283
(S) 1,2-Dichloroethane-d4	90.5		70.0-130		06/07/2025 16:33	WG2533283

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.88	1	06/07/2025 22:38	WG2533319
C28-C36 Motor Oil Range	6.44		4.88	1	06/07/2025 22:38	WG2533319
(S) o-Terphenyl	50.9		18.0-148		06/07/2025 22:38	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0812	2	06/08/2025 01:17	WG2533313
Benzidine	ND	J4 J6	4.07	2	06/08/2025 01:17	WG2533313
Benzo(g,h,i)perylene	ND		0.0812	2	06/08/2025 01:17	WG2533313
Bis(2-chlorethoxy)methane	ND		0.812	2	06/08/2025 01:17	WG2533313
Bis(2-chloroethyl)ether	ND		0.812	2	06/08/2025 01:17	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.812	2	06/08/2025 01:17	WG2533313
4-Bromophenyl-phenylether	ND		0.812	2	06/08/2025 01:17	WG2533313
2-Chloronaphthalene	ND		0.0812	2	06/08/2025 01:17	WG2533313
4-Chlorophenyl-phenylether	ND		0.812	2	06/08/2025 01:17	WG2533313
1,2-Dichlorobenzene	ND		0.812	2	06/08/2025 01:17	WG2533313
1,3-Dichlorobenzene	ND		0.812	2	06/08/2025 01:17	WG2533313
1,4-Dichlorobenzene	ND		0.812	2	06/08/2025 01:17	WG2533313
3,3-Dichlorobenzidine	ND		0.812	2	06/08/2025 01:17	WG2533313
2,4-Dinitrotoluene	ND		0.812	2	06/08/2025 01:17	WG2533313
2,6-Dinitrotoluene	ND		0.812	2	06/08/2025 01:17	WG2533313
Hexachlorobenzene	ND		0.812	2	06/08/2025 01:17	WG2533313
Hexachloro-1,3-butadiene	ND		0.812	2	06/08/2025 01:17	WG2533313
Hexachlorocyclopentadiene	ND	C7 J6	0.812	2	06/08/2025 01:17	WG2533313
Hexachloroethane	ND		0.812	2	06/08/2025 01:17	WG2533313
Isophorone	ND		0.812	2	06/08/2025 01:17	WG2533313
Nitrobenzene	ND		0.812	2	06/08/2025 01:17	WG2533313
n-Nitrosodimethylamine	ND		0.812	2	06/08/2025 01:17	WG2533313
n-Nitrosodiphenylamine	ND		0.812	2	06/08/2025 01:17	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.812	2	06/08/2025 01:17	WG2533313
Phenanthrene	ND		0.0812	2	06/08/2025 01:17	WG2533313
Benzylbutyl phthalate	ND		0.812	2	06/08/2025 01:17	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.812	2	06/08/2025 01:17	WG2533313
Di-n-butyl phthalate	ND		0.812	2	06/08/2025 01:17	WG2533313
Diethyl phthalate	ND		0.812	2	06/08/2025 01:17	WG2533313
Dimethyl phthalate	ND		0.812	2	06/08/2025 01:17	WG2533313
Di-n-octyl phthalate	ND		0.812	2	06/08/2025 01:17	WG2533313
1,2,4-Trichlorobenzene	ND		0.812	2	06/08/2025 01:17	WG2533313
4-Chloro-3-methylphenol	ND		0.812	2	06/08/2025 01:17	WG2533313
2-Chlorophenol	ND		0.812	2	06/08/2025 01:17	WG2533313
2,4-Dichlorophenol	ND		0.812	2	06/08/2025 01:17	WG2533313
2,4-Dimethylphenol	ND		0.812	2	06/08/2025 01:17	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.812	2	06/08/2025 01:17	WG2533313
2,4-Dinitrophenol	ND	J6	0.812	2	06/08/2025 01:17	WG2533313
2-Nitrophenol	ND		0.812	2	06/08/2025 01:17	WG2533313
4-Nitrophenol	ND		0.812	2	06/08/2025 01:17	WG2533313
Pentachlorophenol	ND		0.812	2	06/08/2025 01:17	WG2533313
Phenol	ND		0.812	2	06/08/2025 01:17	WG2533313
2,4,6-Trichlorophenol	ND		0.812	2	06/08/2025 01:17	WG2533313
(S) 2-Fluorophenol	57.9		12.0-120		06/08/2025 01:17	WG2533313
(S) Phenol-d5	52.3		10.0-120		06/08/2025 01:17	WG2533313
(S) Nitrobenzene-d5	44.8		10.0-122		06/08/2025 01:17	WG2533313
(S) 2-Fluorobiphenyl	62.4		15.0-120		06/08/2025 01:17	WG2533313
(S) 2,4,6-Tribromophenol	79.5		10.0-127		06/08/2025 01:17	WG2533313
(S) p-Terphenyl-d14	75.8		10.0-120		06/08/2025 01:17	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1867312-09 WG2533313: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Acenaphthene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Acenaphthylene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Benzo(a)anthracene	ND		0.00732	1	06/07/2025 22:59	WG2533320
Benzo(a)pyrene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Benzo(b)fluoranthene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Benzo(g,h,i)perylene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Benzo(k)fluoranthene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Chrysene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Dibenz(a,h)anthracene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Fluoranthene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Fluorene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Naphthalene	ND		0.00366	1	06/07/2025 22:59	WG2533320
Phenanthrene	ND		0.0403	1	06/07/2025 22:59	WG2533320
Pyrene	ND		0.0403	1	06/07/2025 22:59	WG2533320
1-Methylnaphthalene	ND		0.00366	1	06/07/2025 22:59	WG2533320
2-Methylnaphthalene	ND		0.0146	1	06/07/2025 22:59	WG2533320
(S) p-Terphenyl-d14	87.1		23.0-120		06/07/2025 22:59	WG2533320
(S) Nitrobenzene-d5	78.2		14.0-149		06/07/2025 22:59	WG2533320
(S) 2-Fluorobiphenyl	78.3		34.0-125		06/07/2025 22:59	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/07/2025 16:54	WG2533281
Acrolein	ND		0.0500	1	06/07/2025 16:54	WG2533281
Acrylonitrile	ND		0.0100	1	06/07/2025 16:54	WG2533281
Benzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Bromobenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Bromodichloromethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
Bromoform	ND	C3	0.00100	1	06/07/2025 16:54	WG2533281
Bromomethane	ND	C3	0.00500	1	06/07/2025 16:54	WG2533281
n-Butylbenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
sec-Butylbenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
tert-Butylbenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Carbon tetrachloride	ND		0.00100	1	06/07/2025 16:54	WG2533281
Chlorobenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Chlorodibromomethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
Chloroethane	ND	C3	0.00500	1	06/07/2025 16:54	WG2533281
Chloroform	ND		0.00500	1	06/07/2025 16:54	WG2533281
Chloromethane	ND		0.00250	1	06/07/2025 16:54	WG2533281
2-Chlorotoluene	ND		0.00100	1	06/07/2025 16:54	WG2533281
4-Chlorotoluene	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,2-Dibromo-3-Chloropropane	ND	C3	0.00500	1	06/07/2025 16:54	WG2533281
1,2-Dibromoethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
Dibromomethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,2-Dichlorobenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,3-Dichlorobenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,4-Dichlorobenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Dichlorodifluoromethane	ND	C3	0.00500	1	06/07/2025 16:54	WG2533281
1,1-Dichloroethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,2-Dichloroethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,1-Dichloroethene	ND		0.00100	1	06/07/2025 16:54	WG2533281
cis-1,2-Dichloroethene	ND		0.00100	1	06/07/2025 16:54	WG2533281
trans-1,2-Dichloroethene	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,2-Dichloropropane	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,1-Dichloropropene	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,3-Dichloropropane	ND		0.00100	1	06/07/2025 16:54	WG2533281
cis-1,3-Dichloropropene	ND		0.00100	1	06/07/2025 16:54	WG2533281
trans-1,3-Dichloropropene	ND		0.00100	1	06/07/2025 16:54	WG2533281
2,2-Dichloropropane	ND		0.00100	1	06/07/2025 16:54	WG2533281
Di-isopropyl ether	ND		0.00100	1	06/07/2025 16:54	WG2533281
Ethylbenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Hexachloro-1,3-butadiene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Isopropylbenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
p-Isopropyltoluene	ND		0.00100	1	06/07/2025 16:54	WG2533281
2-Butanone (MEK)	ND		0.0100	1	06/07/2025 16:54	WG2533281
Methylene Chloride	ND		0.00500	1	06/07/2025 16:54	WG2533281
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/07/2025 16:54	WG2533281
Methyl tert-butyl ether	ND		0.00100	1	06/07/2025 16:54	WG2533281
Naphthalene	ND	C3	0.00500	1	06/07/2025 16:54	WG2533281
n-Propylbenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Styrene	ND	C3	0.00100	1	06/07/2025 16:54	WG2533281
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
Tetrachloroethene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Toluene	ND	C3	0.00100	1	06/07/2025 16:54	WG2533281
1,2,3-Trichlorobenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,2,4-Trichlorobenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,1,2-Trichloroethane	ND		0.00100	1	06/07/2025 16:54	WG2533281
Trichloroethene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Trichlorofluoromethane	ND	C3	0.00500	1	06/07/2025 16:54	WG2533281
1,2,3-Trichloropropane	ND		0.00250	1	06/07/2025 16:54	WG2533281
1,2,4-Trimethylbenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,2,3-Trimethylbenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
1,3,5-Trimethylbenzene	ND		0.00100	1	06/07/2025 16:54	WG2533281
Vinyl chloride	ND	C3 J4	0.00100	1	06/07/2025 16:54	WG2533281
Xylenes, Total	ND		0.00300	1	06/07/2025 16:54	WG2533281
(S) Toluene-d8	101		80.0-120		06/07/2025 16:54	WG2533281
(S) 4-Bromofluorobenzene	97.1		77.0-126		06/07/2025 16:54	WG2533281
(S) 1,2-Dichloroethane-d4	111		70.0-130		06/07/2025 16:54	WG2533281

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.51		1	06/12/2025 13:50	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1880		24.7	1	06/10/2025 13:20	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.7		1	06/07/2025 15:56	WG2533304

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.2	1	06/09/2025 22:50	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1880		122	5	06/10/2025 13:20	WG2533907

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.245	1	06/10/2025 02:51	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.01		1	06/12/2025 07:43	WG2536694

Sample Narrative:

L1867312-11 WG2536694: 8.01 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3160	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:

L1867312-11 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24.7	1.01	06/07/2025 23:39	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14900		400	4	06/08/2025 19:36	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.59		0.200	1	06/12/2025 02:40	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7150		24.5	1	06/07/2025 21:18	WG2533358
Antimony	ND		2.45	1	06/07/2025 21:18	WG2533358
Beryllium	0.495		0.245	1	06/07/2025 21:18	WG2533358
Calcium	10800		122	1	06/07/2025 21:18	WG2533358
Chromium	7.80		1.22	1	06/07/2025 21:18	WG2533358
Cobalt	4.24		1.22	1	06/07/2025 21:18	WG2533358
Iron	12100		12.2	1	06/07/2025 21:18	WG2533358
Magnesium	3500		122	1	06/07/2025 21:18	WG2533358
Manganese	290		1.22	1	06/07/2025 21:18	WG2533358
Potassium	2440		122	1	06/07/2025 21:18	WG2533358
Sodium	223		122	1	06/07/2025 21:18	WG2533358
Thallium	ND		2.45	1	06/07/2025 21:18	WG2533358
Vanadium	19.5		2.45	1	06/07/2025 21:18	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.65		0.122	5	06/12/2025 21:18	WG2537275
Barium	89.4		12.2	5	06/12/2025 21:18	WG2537275
Cadmium	0.241		0.122	5	06/12/2025 21:18	WG2537275
Copper	ND		12.2	5	06/12/2025 21:18	WG2537275
Lead	ND		12.2	5	06/12/2025 21:18	WG2537275
Nickel	ND		12.2	5	06/12/2025 21:18	WG2537275
Selenium	0.463		0.122	5	06/12/2025 21:18	WG2537275
Silver	ND		0.612	5	06/12/2025 21:18	WG2537275
Zinc	ND		61.2	5	06/12/2025 21:18	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.62	25	06/07/2025 17:26	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/07/2025 17:26	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	0.0725	1	06/07/2025 16:52	WG2533283
Acrylonitrile	ND		0.0181	1	06/07/2025 16:52	WG2533283
Benzene	ND		0.00145	1	06/07/2025 16:52	WG2533283
Bromobenzene	ND		0.0181	1	06/07/2025 16:52	WG2533283
Bromodichloromethane	ND		0.00362	1	06/07/2025 16:52	WG2533283
Bromoform	ND		0.0362	1	06/07/2025 16:52	WG2533283
Bromomethane	ND	C3	0.0181	1	06/07/2025 16:52	WG2533283
n-Butylbenzene	ND		0.0181	1	06/07/2025 16:52	WG2533283
sec-Butylbenzene	ND		0.0181	1	06/07/2025 16:52	WG2533283
tert-Butylbenzene	ND		0.00725	1	06/07/2025 16:52	WG2533283
Carbon tetrachloride	ND		0.00725	1	06/07/2025 16:52	WG2533283
Chlorobenzene	ND		0.00362	1	06/07/2025 16:52	WG2533283
Chlorodibromomethane	ND		0.00362	1	06/07/2025 16:52	WG2533283



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND	C3	0.00725	1	06/07/2025 16:52	WG2533283
Chloroform	0.00370	B	0.00362	1	06/07/2025 16:52	WG2533283
Chloromethane	ND	C3	0.0181	1	06/07/2025 16:52	WG2533283
2-Chlorotoluene	ND		0.00362	1	06/07/2025 16:52	WG2533283
4-Chlorotoluene	ND		0.00725	1	06/07/2025 16:52	WG2533283
1,2-Dibromo-3-Chloropropane	ND		0.0362	1	06/07/2025 16:52	WG2533283
1,2-Dibromoethane	ND		0.00362	1	06/07/2025 16:52	WG2533283
Dibromomethane	ND		0.00725	1	06/07/2025 16:52	WG2533283
1,2-Dichlorobenzene	ND		0.00725	1	06/07/2025 16:52	WG2533283
1,3-Dichlorobenzene	ND		0.00725	1	06/07/2025 16:52	WG2533283
1,4-Dichlorobenzene	ND		0.00725	1	06/07/2025 16:52	WG2533283
Dichlorodifluoromethane	ND	C3	0.00725	1	06/07/2025 16:52	WG2533283
1,1-Dichloroethane	ND	C3	0.00362	1	06/07/2025 16:52	WG2533283
1,2-Dichloroethane	ND		0.00362	1	06/07/2025 16:52	WG2533283
1,1-Dichloroethene	ND	C3	0.00362	1	06/07/2025 16:52	WG2533283
cis-1,2-Dichloroethene	ND		0.00362	1	06/07/2025 16:52	WG2533283
trans-1,2-Dichloroethene	ND		0.00725	1	06/07/2025 16:52	WG2533283
1,2-Dichloropropane	ND		0.00725	1	06/07/2025 16:52	WG2533283
1,1-Dichloropropene	ND		0.00362	1	06/07/2025 16:52	WG2533283
1,3-Dichloropropane	ND		0.00725	1	06/07/2025 16:52	WG2533283
cis-1,3-Dichloropropene	ND		0.00362	1	06/07/2025 16:52	WG2533283
trans-1,3-Dichloropropene	ND		0.00725	1	06/07/2025 16:52	WG2533283
2,2-Dichloropropane	ND		0.00362	1	06/07/2025 16:52	WG2533283
Di-isopropyl ether	ND		0.00145	1	06/07/2025 16:52	WG2533283
Ethylbenzene	ND		0.0145	1	06/07/2025 16:52	WG2533283
Hexachloro-1,3-butadiene	ND		0.0362	1	06/07/2025 16:52	WG2533283
Isopropylbenzene	ND		0.00362	1	06/07/2025 16:52	WG2533283
p-Isopropyltoluene	ND		0.00725	1	06/07/2025 16:52	WG2533283
2-Butanone (MEK)	ND		0.145	1	06/07/2025 16:52	WG2533283
Methylene Chloride	ND		0.0362	1	06/07/2025 16:52	WG2533283
4-Methyl-2-pentanone (MIBK)	ND		0.0362	1	06/07/2025 16:52	WG2533283
Methyl tert-butyl ether	ND		0.00145	1	06/07/2025 16:52	WG2533283
n-Propylbenzene	ND		0.00725	1	06/07/2025 16:52	WG2533283
Styrene	ND		0.0181	1	06/07/2025 16:52	WG2533283
1,1,1,2-Tetrachloroethane	ND		0.00362	1	06/07/2025 16:52	WG2533283
1,1,2,2-Tetrachloroethane	ND		0.00362	1	06/07/2025 16:52	WG2533283
1,1,2-Trichlorotrifluoroethane	ND		0.00362	1	06/07/2025 16:52	WG2533283
Tetrachloroethene	ND		0.00362	1	06/07/2025 16:52	WG2533283
Toluene	ND		0.0145	1	06/07/2025 16:52	WG2533283
1,2,3-Trichlorobenzene	ND		0.0181	1	06/07/2025 16:52	WG2533283
1,2,4-Trichlorobenzene	ND		0.0181	1	06/07/2025 16:52	WG2533283
1,1,1-Trichloroethane	ND		0.00362	1	06/07/2025 16:52	WG2533283
1,1,2-Trichloroethane	ND		0.00362	1	06/07/2025 16:52	WG2533283
Trichloroethene	ND		0.00145	1	06/07/2025 16:52	WG2533283
Trichlorofluoromethane	ND	C3	0.00362	1	06/07/2025 16:52	WG2533283
1,2,3-Trichloropropane	ND		0.0181	1	06/07/2025 16:52	WG2533283
1,2,3-Trimethylbenzene	ND		0.00725	1	06/07/2025 16:52	WG2533283
1,2,4-Trimethylbenzene	ND		0.00725	1	06/07/2025 16:52	WG2533283
1,3,5-Trimethylbenzene	ND		0.00725	1	06/07/2025 16:52	WG2533283
Vinyl chloride	ND	C3	0.00362	1	06/07/2025 16:52	WG2533283
Xylenes, Total	ND		0.145	1	06/07/2025 16:52	WG2533283
(S) Toluene-d8	107		75.0-131		06/07/2025 16:52	WG2533283
(S) 4-Bromofluorobenzene	101		67.0-138		06/07/2025 16:52	WG2533283
(S) 1,2-Dichloroethane-d4	89.4		70.0-130		06/07/2025 16:52	WG2533283



Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.90	1	06/08/2025 02:39	WG2533319
C28-C36 Motor Oil Range	38.1		4.90	1	06/08/2025 02:39	WG2533319
(S) o-Terphenyl	55.4		18.0-148		06/08/2025 02:39	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0815	2	06/08/2025 02:30	WG2533313
Benzidine	ND	J4	4.09	2	06/08/2025 02:30	WG2533313
Benzo(g,h,i)perylene	ND		0.0815	2	06/08/2025 02:30	WG2533313
Bis(2-chloroethoxy)methane	ND		0.815	2	06/08/2025 02:30	WG2533313
Bis(2-chloroethyl)ether	ND		0.815	2	06/08/2025 02:30	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.815	2	06/08/2025 02:30	WG2533313
4-Bromophenyl-phenylether	ND		0.815	2	06/08/2025 02:30	WG2533313
2-Chloronaphthalene	ND		0.0815	2	06/08/2025 02:30	WG2533313
4-Chlorophenyl-phenylether	ND		0.815	2	06/08/2025 02:30	WG2533313
1,2-Dichlorobenzene	ND		0.815	2	06/08/2025 02:30	WG2533313
1,3-Dichlorobenzene	ND		0.815	2	06/08/2025 02:30	WG2533313
1,4-Dichlorobenzene	ND		0.815	2	06/08/2025 02:30	WG2533313
3,3-Dichlorobenzidine	ND		0.815	2	06/08/2025 02:30	WG2533313
2,4-Dinitrotoluene	ND		0.815	2	06/08/2025 02:30	WG2533313
2,6-Dinitrotoluene	ND		0.815	2	06/08/2025 02:30	WG2533313
Hexachlorobenzene	ND		0.815	2	06/08/2025 02:30	WG2533313
Hexachloro-1,3-butadiene	ND		0.815	2	06/08/2025 02:30	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.815	2	06/08/2025 02:30	WG2533313
Hexachloroethane	ND		0.815	2	06/08/2025 02:30	WG2533313
Isophorone	ND		0.815	2	06/08/2025 02:30	WG2533313
Nitrobenzene	ND		0.815	2	06/08/2025 02:30	WG2533313
n-Nitrosodimethylamine	ND		0.815	2	06/08/2025 02:30	WG2533313
n-Nitrosodiphenylamine	ND		0.815	2	06/08/2025 02:30	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.815	2	06/08/2025 02:30	WG2533313
Phenanthrene	ND		0.0815	2	06/08/2025 02:30	WG2533313
Benzylbutyl phthalate	ND		0.815	2	06/08/2025 02:30	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.815	2	06/08/2025 02:30	WG2533313
Di-n-butyl phthalate	ND		0.815	2	06/08/2025 02:30	WG2533313
Diethyl phthalate	ND		0.815	2	06/08/2025 02:30	WG2533313
Dimethyl phthalate	ND		0.815	2	06/08/2025 02:30	WG2533313
Di-n-octyl phthalate	ND		0.815	2	06/08/2025 02:30	WG2533313
1,2,4-Trichlorobenzene	ND		0.815	2	06/08/2025 02:30	WG2533313
4-Chloro-3-methylphenol	ND		0.815	2	06/08/2025 02:30	WG2533313
2-Chlorophenol	ND		0.815	2	06/08/2025 02:30	WG2533313
2,4-Dichlorophenol	ND		0.815	2	06/08/2025 02:30	WG2533313
2,4-Dimethylphenol	ND		0.815	2	06/08/2025 02:30	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.815	2	06/08/2025 02:30	WG2533313
2,4-Dinitrophenol	ND		0.815	2	06/08/2025 02:30	WG2533313
2-Nitrophenol	ND		0.815	2	06/08/2025 02:30	WG2533313
4-Nitrophenol	ND		0.815	2	06/08/2025 02:30	WG2533313
Pentachlorophenol	ND		0.815	2	06/08/2025 02:30	WG2533313
Phenol	ND		0.815	2	06/08/2025 02:30	WG2533313
2,4,6-Trichlorophenol	ND		0.815	2	06/08/2025 02:30	WG2533313
(S) 2-Fluorophenol	65.0		12.0-120		06/08/2025 02:30	WG2533313
(S) Phenol-d5	55.6		10.0-120		06/08/2025 02:30	WG2533313
(S) Nitrobenzene-d5	62.4		10.0-122		06/08/2025 02:30	WG2533313
(S) 2-Fluorobiphenyl	70.8		15.0-120		06/08/2025 02:30	WG2533313
(S) 2,4,6-Tribromophenol	78.6		10.0-127		06/08/2025 02:30	WG2533313
(S) p-Terphenyl-d14	74.3		10.0-120		06/08/2025 02:30	WG2533313



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:
L1867312-11 WG2533313: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Acenaphthene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Acenaphthylene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Benzo(a)anthracene	ND		0.00735	1	06/07/2025 23:52	WG2533320
Benzo(a)pyrene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Benzo(b)fluoranthene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Benzo(g,h,i)perylene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Benzo(k)fluoranthene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Chrysene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Dibenz(a,h)anthracene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Fluoranthene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Fluorene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Naphthalene	ND		0.00367	1	06/07/2025 23:52	WG2533320
Phenanthrene	ND		0.0404	1	06/07/2025 23:52	WG2533320
Pyrene	ND		0.0404	1	06/07/2025 23:52	WG2533320
1-Methylnaphthalene	ND		0.00367	1	06/07/2025 23:52	WG2533320
2-Methylnaphthalene	ND		0.0147	1	06/07/2025 23:52	WG2533320
(S) p-Terphenyl-d14	109		23.0-120		06/07/2025 23:52	WG2533320
(S) Nitrobenzene-d5	80.9		14.0-149		06/07/2025 23:52	WG2533320
(S) 2-Fluorobiphenyl	84.7		34.0-125		06/07/2025 23:52	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.56		1	06/12/2025 13:51	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2530		26.2	1	06/10/2025 13:24	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.4		1	06/07/2025 15:56	WG2533304

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.6	1	06/09/2025 22:51	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2530		126	5	06/10/2025 13:24	WG2533907

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.252	1	06/10/2025 03:02	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.48		1	06/12/2025 07:43	WG2536694

Sample Narrative:
L1867312-12 WG2536694: 7.48 at 21.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4140	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:
L1867312-12 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		26.2	1.04	06/07/2025 23:56	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	22800		400	4	06/08/2025 19:37	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.53		0.200	1	06/12/2025 02:43	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	11900		25.2	1	06/07/2025 21:20	WG2533358
Antimony	ND		2.52	1	06/07/2025 21:20	WG2533358
Beryllium	0.664		0.252	1	06/07/2025 21:20	WG2533358
Calcium	8570		126	1	06/07/2025 21:20	WG2533358
Chromium	11.8		1.26	1	06/07/2025 21:20	WG2533358
Cobalt	5.78		1.26	1	06/07/2025 21:20	WG2533358
Iron	13000		12.6	1	06/07/2025 21:20	WG2533358
Magnesium	4070		126	1	06/07/2025 21:20	WG2533358
Manganese	339		1.26	1	06/07/2025 21:20	WG2533358
Potassium	3520		126	1	06/07/2025 21:20	WG2533358
Sodium	812		126	1	06/07/2025 21:20	WG2533358
Thallium	ND		2.52	1	06/07/2025 21:20	WG2533358
Vanadium	21.8		2.52	1	06/07/2025 21:20	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.04		0.126	5	06/12/2025 21:21	WG2537275
Barium	112		12.6	5	06/12/2025 21:21	WG2537275
Cadmium	0.330		0.126	5	06/12/2025 21:21	WG2537275
Copper	15.1		12.6	5	06/12/2025 21:21	WG2537275
Lead	ND		12.6	5	06/12/2025 21:21	WG2537275
Nickel	ND		12.6	5	06/12/2025 21:21	WG2537275
Selenium	0.489		0.126	5	06/12/2025 21:21	WG2537275
Silver	ND		0.630	5	06/12/2025 21:21	WG2537275
Zinc	ND		63.0	5	06/12/2025 21:21	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.80	25	06/07/2025 17:48	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/07/2025 17:48	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0760	1	06/07/2025 14:43	WG2533297
Acrylonitrile	ND		0.0190	1	06/07/2025 14:43	WG2533297
Benzene	ND		0.00152	1	06/07/2025 14:43	WG2533297
Bromobenzene	ND		0.0190	1	06/07/2025 14:43	WG2533297
Bromodichloromethane	ND		0.00380	1	06/07/2025 14:43	WG2533297
Bromoform	ND		0.0380	1	06/07/2025 14:43	WG2533297
Bromomethane	ND	C3	0.0190	1	06/07/2025 14:43	WG2533297
n-Butylbenzene	ND		0.0190	1	06/07/2025 14:43	WG2533297
sec-Butylbenzene	ND		0.0190	1	06/07/2025 14:43	WG2533297
tert-Butylbenzene	ND		0.00760	1	06/07/2025 14:43	WG2533297
Carbon tetrachloride	ND		0.00760	1	06/07/2025 14:43	WG2533297
Chlorobenzene	ND		0.00380	1	06/07/2025 14:43	WG2533297
Chlorodibromomethane	ND		0.00380	1	06/07/2025 14:43	WG2533297

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00760	1	06/07/2025 14:43	WG2533297
Chloroform	0.00707	B	0.00380	1	06/07/2025 14:43	WG2533297
Chloromethane	ND	C3	0.0190	1	06/07/2025 14:43	WG2533297
2-Chlorotoluene	ND		0.00380	1	06/07/2025 14:43	WG2533297
4-Chlorotoluene	ND		0.00760	1	06/07/2025 14:43	WG2533297
1,2-Dibromo-3-Chloropropane	ND		0.0380	1	06/07/2025 14:43	WG2533297
1,2-Dibromoethane	ND		0.00380	1	06/07/2025 14:43	WG2533297
Dibromomethane	ND		0.00760	1	06/07/2025 14:43	WG2533297
1,2-Dichlorobenzene	ND		0.00760	1	06/07/2025 14:43	WG2533297
1,3-Dichlorobenzene	ND		0.00760	1	06/07/2025 14:43	WG2533297
1,4-Dichlorobenzene	ND		0.00760	1	06/07/2025 14:43	WG2533297
Dichlorodifluoromethane	ND	C3	0.00760	1	06/07/2025 14:43	WG2533297
1,1-Dichloroethane	ND		0.00380	1	06/07/2025 14:43	WG2533297
1,2-Dichloroethane	ND		0.00380	1	06/07/2025 14:43	WG2533297
1,1-Dichloroethene	ND		0.00380	1	06/07/2025 14:43	WG2533297
cis-1,2-Dichloroethene	ND		0.00380	1	06/07/2025 14:43	WG2533297
trans-1,2-Dichloroethene	ND		0.00760	1	06/07/2025 14:43	WG2533297
1,2-Dichloropropane	ND		0.00760	1	06/07/2025 14:43	WG2533297
1,1-Dichloropropene	ND		0.00380	1	06/07/2025 14:43	WG2533297
1,3-Dichloropropane	ND		0.00760	1	06/07/2025 14:43	WG2533297
cis-1,3-Dichloropropene	ND		0.00380	1	06/07/2025 14:43	WG2533297
trans-1,3-Dichloropropene	ND		0.00760	1	06/07/2025 14:43	WG2533297
2,2-Dichloropropane	ND		0.00380	1	06/07/2025 14:43	WG2533297
Di-isopropyl ether	ND		0.00152	1	06/07/2025 14:43	WG2533297
Ethylbenzene	ND		0.0152	1	06/07/2025 14:43	WG2533297
Hexachloro-1,3-butadiene	ND		0.0380	1	06/07/2025 14:43	WG2533297
Isopropylbenzene	ND		0.00380	1	06/07/2025 14:43	WG2533297
p-Isopropyltoluene	ND		0.00760	1	06/07/2025 14:43	WG2533297
2-Butanone (MEK)	ND		0.152	1	06/07/2025 14:43	WG2533297
Methylene Chloride	ND		0.0380	1	06/07/2025 14:43	WG2533297
4-Methyl-2-pentanone (MIBK)	ND		0.0380	1	06/07/2025 14:43	WG2533297
Methyl tert-butyl ether	ND		0.00152	1	06/07/2025 14:43	WG2533297
n-Propylbenzene	ND		0.00760	1	06/07/2025 14:43	WG2533297
Styrene	ND		0.0190	1	06/07/2025 14:43	WG2533297
1,1,1,2-Tetrachloroethane	ND		0.00380	1	06/07/2025 14:43	WG2533297
1,1,2,2-Tetrachloroethane	ND		0.00380	1	06/07/2025 14:43	WG2533297
1,1,2-Trichlorotrifluoroethane	ND		0.00380	1	06/07/2025 14:43	WG2533297
Tetrachloroethene	ND		0.00380	1	06/07/2025 14:43	WG2533297
Toluene	ND		0.0152	1	06/07/2025 14:43	WG2533297
1,2,3-Trichlorobenzene	ND		0.0190	1	06/07/2025 14:43	WG2533297
1,2,4-Trichlorobenzene	ND		0.0190	1	06/07/2025 14:43	WG2533297
1,1,1-Trichloroethane	ND		0.00380	1	06/07/2025 14:43	WG2533297
1,1,2-Trichloroethane	ND		0.00380	1	06/07/2025 14:43	WG2533297
Trichloroethene	ND		0.00152	1	06/07/2025 14:43	WG2533297
Trichlorofluoromethane	ND		0.00380	1	06/07/2025 14:43	WG2533297
1,2,3-Trichloropropane	ND		0.0190	1	06/07/2025 14:43	WG2533297
1,2,3-Trimethylbenzene	ND		0.00760	1	06/07/2025 14:43	WG2533297
1,2,4-Trimethylbenzene	ND		0.00760	1	06/07/2025 14:43	WG2533297
1,3,5-Trimethylbenzene	ND		0.00760	1	06/07/2025 14:43	WG2533297
Vinyl chloride	ND	C3	0.00380	1	06/07/2025 14:43	WG2533297
Xylenes, Total	ND		0.152	1	06/07/2025 14:43	WG2533297
(S) Toluene-d8	101		75.0-131		06/07/2025 14:43	WG2533297
(S) 4-Bromofluorobenzene	100		67.0-138		06/07/2025 14:43	WG2533297
(S) 1,2-Dichloroethane-d4	101		70.0-130		06/07/2025 14:43	WG2533297

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		5.04	1	06/08/2025 00:02	WG2533319
C28-C36 Motor Oil Range	28.6		5.04	1	06/08/2025 00:02	WG2533319
(S) o-Terphenyl	33.1		18.0-148		06/08/2025 00:02	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0420	1	06/07/2025 23:31	WG2533313
Benzidine	ND	J4	2.10	1	06/07/2025 23:31	WG2533313
Benzo(g,h,i)perylene	ND		0.0420	1	06/07/2025 23:31	WG2533313
Bis(2-chlorethoxy)methane	ND		0.420	1	06/07/2025 23:31	WG2533313
Bis(2-chloroethyl)ether	ND		0.420	1	06/07/2025 23:31	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.420	1	06/07/2025 23:31	WG2533313
4-Bromophenyl-phenylether	ND		0.420	1	06/07/2025 23:31	WG2533313
2-Chloronaphthalene	ND		0.0420	1	06/07/2025 23:31	WG2533313
4-Chlorophenyl-phenylether	ND		0.420	1	06/07/2025 23:31	WG2533313
1,2-Dichlorobenzene	ND		0.420	1	06/07/2025 23:31	WG2533313
1,3-Dichlorobenzene	ND		0.420	1	06/07/2025 23:31	WG2533313
1,4-Dichlorobenzene	ND		0.420	1	06/07/2025 23:31	WG2533313
3,3-Dichlorobenzidine	ND		0.420	1	06/07/2025 23:31	WG2533313
2,4-Dinitrotoluene	ND		0.420	1	06/07/2025 23:31	WG2533313
2,6-Dinitrotoluene	ND		0.420	1	06/07/2025 23:31	WG2533313
Hexachlorobenzene	ND		0.420	1	06/07/2025 23:31	WG2533313
Hexachloro-1,3-butadiene	ND		0.420	1	06/07/2025 23:31	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.420	1	06/07/2025 23:31	WG2533313
Hexachloroethane	ND		0.420	1	06/07/2025 23:31	WG2533313
Isophorone	ND		0.420	1	06/07/2025 23:31	WG2533313
Nitrobenzene	ND		0.420	1	06/07/2025 23:31	WG2533313
n-Nitrosodimethylamine	ND		0.420	1	06/07/2025 23:31	WG2533313
n-Nitrosodiphenylamine	ND		0.420	1	06/07/2025 23:31	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.420	1	06/07/2025 23:31	WG2533313
Phenanthrene	ND		0.0420	1	06/07/2025 23:31	WG2533313
Benzylbutyl phthalate	ND		0.420	1	06/07/2025 23:31	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.420	1	06/07/2025 23:31	WG2533313
Di-n-butyl phthalate	ND		0.420	1	06/07/2025 23:31	WG2533313
Diethyl phthalate	ND		0.420	1	06/07/2025 23:31	WG2533313
Dimethyl phthalate	ND		0.420	1	06/07/2025 23:31	WG2533313
Di-n-octyl phthalate	ND		0.420	1	06/07/2025 23:31	WG2533313
1,2,4-Trichlorobenzene	ND		0.420	1	06/07/2025 23:31	WG2533313
4-Chloro-3-methylphenol	ND		0.420	1	06/07/2025 23:31	WG2533313
2-Chlorophenol	ND		0.420	1	06/07/2025 23:31	WG2533313
2,4-Dichlorophenol	ND		0.420	1	06/07/2025 23:31	WG2533313
2,4-Dimethylphenol	ND		0.420	1	06/07/2025 23:31	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.420	1	06/07/2025 23:31	WG2533313
2,4-Dinitrophenol	ND		0.420	1	06/07/2025 23:31	WG2533313
2-Nitrophenol	ND		0.420	1	06/07/2025 23:31	WG2533313
4-Nitrophenol	ND		0.420	1	06/07/2025 23:31	WG2533313
Pentachlorophenol	ND		0.420	1	06/07/2025 23:31	WG2533313
Phenol	ND		0.420	1	06/07/2025 23:31	WG2533313
2,4,6-Trichlorophenol	ND		0.420	1	06/07/2025 23:31	WG2533313
(S) 2-Fluorophenol	57.4		12.0-120		06/07/2025 23:31	WG2533313
(S) Phenol-d5	47.2		10.0-120		06/07/2025 23:31	WG2533313
(S) Nitrobenzene-d5	55.2		10.0-122		06/07/2025 23:31	WG2533313
(S) 2-Fluorobiphenyl	61.0		15.0-120		06/07/2025 23:31	WG2533313
(S) 2,4,6-Tribromophenol	81.0		10.0-127		06/07/2025 23:31	WG2533313
(S) p-Terphenyl-d14	69.3		10.0-120		06/07/2025 23:31	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Acenaphthene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Acenaphthylene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Benzo(a)anthracene	ND		0.00756	1	06/08/2025 00:10	WG2533320
Benzo(a)pyrene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Benzo(b)fluoranthene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Benzo(g,h,i)perylene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Benzo(k)fluoranthene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Chrysene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Dibenz(a,h)anthracene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Fluoranthene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Fluorene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Naphthalene	ND		0.00378	1	06/08/2025 00:10	WG2533320
Phenanthrene	ND		0.0416	1	06/08/2025 00:10	WG2533320
Pyrene	ND		0.0416	1	06/08/2025 00:10	WG2533320
1-Methylnaphthalene	ND		0.00378	1	06/08/2025 00:10	WG2533320
2-Methylnaphthalene	ND		0.0151	1	06/08/2025 00:10	WG2533320
(S) p-Terphenyl-d14	88.1		23.0-120		06/08/2025 00:10	WG2533320
(S) Nitrobenzene-d5	76.4		14.0-149		06/08/2025 00:10	WG2533320
(S) 2-Fluorobiphenyl	68.7		34.0-125		06/08/2025 00:10	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.793		1	06/12/2025 13:53	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1480		23.4	1	06/10/2025 13:26	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.5		1	06/07/2025 16:09	WG2533305

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.7	1	06/09/2025 22:53	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1470		117	5	06/10/2025 13:26	WG2533907

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.234	1	06/10/2025 03:33	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.19		1	06/12/2025 07:43	WG2536694

Sample Narrative:

L1867312-13 WG2536694: 8.19 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	579	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:

L1867312-13 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23.4	1	06/08/2025 00:12	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	12300		400	4	06/08/2025 19:37	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.73		0.200	1	06/12/2025 02:46	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	9180		23.4	1	06/07/2025 21:21	WG2533358
Antimony	ND		2.34	1	06/07/2025 21:21	WG2533358
Beryllium	0.519		0.234	1	06/07/2025 21:21	WG2533358
Calcium	11900		117	1	06/07/2025 21:21	WG2533358
Chromium	8.74		1.17	1	06/07/2025 21:21	WG2533358
Cobalt	4.39		1.17	1	06/07/2025 21:21	WG2533358
Iron	11400		11.7	1	06/07/2025 21:21	WG2533358
Magnesium	3220		117	1	06/07/2025 21:21	WG2533358
Manganese	286		1.17	1	06/07/2025 21:21	WG2533358
Potassium	3200		117	1	06/07/2025 21:21	WG2533358
Sodium	128		117	1	06/07/2025 21:21	WG2533358
Thallium	ND		2.34	1	06/07/2025 21:21	WG2533358
Vanadium	18.5		2.34	1	06/07/2025 21:21	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.12		0.117	5	06/12/2025 21:24	WG2537275
Barium	91.5		11.7	5	06/12/2025 21:24	WG2537275
Cadmium	0.222		0.117	5	06/12/2025 21:24	WG2537275
Copper	ND		11.7	5	06/12/2025 21:24	WG2537275
Lead	ND		11.7	5	06/12/2025 21:24	WG2537275
Nickel	ND		11.7	5	06/12/2025 21:24	WG2537275
Selenium	0.436		0.117	5	06/12/2025 21:24	WG2537275
Silver	ND		0.585	5	06/12/2025 21:24	WG2537275
Zinc	ND		58.5	5	06/12/2025 21:24	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.35	25	06/07/2025 18:11	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/07/2025 18:11	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0670	1	06/07/2025 15:02	WG2533297
Acrylonitrile	ND		0.0168	1	06/07/2025 15:02	WG2533297
Benzene	ND		0.00134	1	06/07/2025 15:02	WG2533297
Bromobenzene	ND		0.0168	1	06/07/2025 15:02	WG2533297
Bromodichloromethane	ND		0.00335	1	06/07/2025 15:02	WG2533297
Bromoform	ND		0.0335	1	06/07/2025 15:02	WG2533297
Bromomethane	ND	C3	0.0168	1	06/07/2025 15:02	WG2533297
n-Butylbenzene	ND		0.0168	1	06/07/2025 15:02	WG2533297
sec-Butylbenzene	ND		0.0168	1	06/07/2025 15:02	WG2533297
tert-Butylbenzene	ND		0.00670	1	06/07/2025 15:02	WG2533297
Carbon tetrachloride	ND		0.00670	1	06/07/2025 15:02	WG2533297
Chlorobenzene	ND		0.00335	1	06/07/2025 15:02	WG2533297
Chlorodibromomethane	ND		0.00335	1	06/07/2025 15:02	WG2533297



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00670	1	06/07/2025 15:02	WG2533297
Chloroform	0.00580	B	0.00335	1	06/07/2025 15:02	WG2533297
Chloromethane	ND	C3	0.0168	1	06/07/2025 15:02	WG2533297
2-Chlorotoluene	ND		0.00335	1	06/07/2025 15:02	WG2533297
4-Chlorotoluene	ND		0.00670	1	06/07/2025 15:02	WG2533297
1,2-Dibromo-3-Chloropropane	ND		0.0335	1	06/07/2025 15:02	WG2533297
1,2-Dibromoethane	ND		0.00335	1	06/07/2025 15:02	WG2533297
Dibromomethane	ND		0.00670	1	06/07/2025 15:02	WG2533297
1,2-Dichlorobenzene	ND		0.00670	1	06/07/2025 15:02	WG2533297
1,3-Dichlorobenzene	ND		0.00670	1	06/07/2025 15:02	WG2533297
1,4-Dichlorobenzene	ND		0.00670	1	06/07/2025 15:02	WG2533297
Dichlorodifluoromethane	ND	C3	0.00670	1	06/07/2025 15:02	WG2533297
1,1-Dichloroethane	ND		0.00335	1	06/07/2025 15:02	WG2533297
1,2-Dichloroethane	ND		0.00335	1	06/07/2025 15:02	WG2533297
1,1-Dichloroethene	ND		0.00335	1	06/07/2025 15:02	WG2533297
cis-1,2-Dichloroethene	ND		0.00335	1	06/07/2025 15:02	WG2533297
trans-1,2-Dichloroethene	ND		0.00670	1	06/07/2025 15:02	WG2533297
1,2-Dichloropropane	ND		0.00670	1	06/07/2025 15:02	WG2533297
1,1-Dichloropropene	ND		0.00335	1	06/07/2025 15:02	WG2533297
1,3-Dichloropropane	ND		0.00670	1	06/07/2025 15:02	WG2533297
cis-1,3-Dichloropropene	ND		0.00335	1	06/07/2025 15:02	WG2533297
trans-1,3-Dichloropropene	ND		0.00670	1	06/07/2025 15:02	WG2533297
2,2-Dichloropropane	ND		0.00335	1	06/07/2025 15:02	WG2533297
Di-isopropyl ether	ND		0.00134	1	06/07/2025 15:02	WG2533297
Ethylbenzene	ND		0.0134	1	06/07/2025 15:02	WG2533297
Hexachloro-1,3-butadiene	ND		0.0335	1	06/07/2025 15:02	WG2533297
Isopropylbenzene	ND		0.00335	1	06/07/2025 15:02	WG2533297
p-Isopropyltoluene	ND		0.00670	1	06/07/2025 15:02	WG2533297
2-Butanone (MEK)	ND		0.134	1	06/07/2025 15:02	WG2533297
Methylene Chloride	ND		0.0335	1	06/07/2025 15:02	WG2533297
4-Methyl-2-pentanone (MIBK)	ND		0.0335	1	06/07/2025 15:02	WG2533297
Methyl tert-butyl ether	ND		0.00134	1	06/07/2025 15:02	WG2533297
n-Propylbenzene	ND		0.00670	1	06/07/2025 15:02	WG2533297
Styrene	ND		0.0168	1	06/07/2025 15:02	WG2533297
1,1,1,2-Tetrachloroethane	ND		0.00335	1	06/07/2025 15:02	WG2533297
1,1,2,2-Tetrachloroethane	ND		0.00335	1	06/07/2025 15:02	WG2533297
1,1,2-Trichlorotrifluoroethane	ND		0.00335	1	06/07/2025 15:02	WG2533297
Tetrachloroethene	ND		0.00335	1	06/07/2025 15:02	WG2533297
Toluene	ND		0.0134	1	06/07/2025 15:02	WG2533297
1,2,3-Trichlorobenzene	ND		0.0168	1	06/07/2025 15:02	WG2533297
1,2,4-Trichlorobenzene	ND		0.0168	1	06/07/2025 15:02	WG2533297
1,1,1-Trichloroethane	ND		0.00335	1	06/07/2025 15:02	WG2533297
1,1,2-Trichloroethane	ND		0.00335	1	06/07/2025 15:02	WG2533297
Trichloroethene	ND		0.00134	1	06/07/2025 15:02	WG2533297
Trichlorofluoromethane	ND		0.00335	1	06/07/2025 15:02	WG2533297
1,2,3-Trichloropropane	ND		0.0168	1	06/07/2025 15:02	WG2533297
1,2,3-Trimethylbenzene	ND		0.00670	1	06/07/2025 15:02	WG2533297
1,2,4-Trimethylbenzene	ND		0.00670	1	06/07/2025 15:02	WG2533297
1,3,5-Trimethylbenzene	ND		0.00670	1	06/07/2025 15:02	WG2533297
Vinyl chloride	ND	C3	0.00335	1	06/07/2025 15:02	WG2533297
Xylenes, Total	ND		0.134	1	06/07/2025 15:02	WG2533297
(S) Toluene-d8	101		75.0-131		06/07/2025 15:02	WG2533297
(S) 4-Bromofluorobenzene	98.8		67.0-138		06/07/2025 15:02	WG2533297
(S) 1,2-Dichloroethane-d4	104		70.0-130		06/07/2025 15:02	WG2533297

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	14.3		4.68	1	06/08/2025 04:48	WG2533319
C28-C36 Motor Oil Range	100		4.68	1	06/08/2025 04:48	WG2533319
(S) o-Terphenyl	57.3		18.0-148		06/08/2025 04:48	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0390	1	06/07/2025 23:52	WG2533313
Benzidine	ND	J4	1.95	1	06/07/2025 23:52	WG2533313
Benzo(g,h,i)perylene	ND		0.0390	1	06/07/2025 23:52	WG2533313
Bis(2-chlorethoxy)methane	ND		0.390	1	06/07/2025 23:52	WG2533313
Bis(2-chloroethyl)ether	ND		0.390	1	06/07/2025 23:52	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.390	1	06/07/2025 23:52	WG2533313
4-Bromophenyl-phenylether	ND		0.390	1	06/07/2025 23:52	WG2533313
2-Chloronaphthalene	ND		0.0390	1	06/07/2025 23:52	WG2533313
4-Chlorophenyl-phenylether	ND		0.390	1	06/07/2025 23:52	WG2533313
1,2-Dichlorobenzene	ND		0.390	1	06/07/2025 23:52	WG2533313
1,3-Dichlorobenzene	ND		0.390	1	06/07/2025 23:52	WG2533313
1,4-Dichlorobenzene	ND		0.390	1	06/07/2025 23:52	WG2533313
3,3-Dichlorobenzidine	ND		0.390	1	06/07/2025 23:52	WG2533313
2,4-Dinitrotoluene	ND		0.390	1	06/07/2025 23:52	WG2533313
2,6-Dinitrotoluene	ND		0.390	1	06/07/2025 23:52	WG2533313
Hexachlorobenzene	ND		0.390	1	06/07/2025 23:52	WG2533313
Hexachloro-1,3-butadiene	ND		0.390	1	06/07/2025 23:52	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.390	1	06/07/2025 23:52	WG2533313
Hexachloroethane	ND		0.390	1	06/07/2025 23:52	WG2533313
Isophorone	ND		0.390	1	06/07/2025 23:52	WG2533313
Nitrobenzene	ND		0.390	1	06/07/2025 23:52	WG2533313
n-Nitrosodimethylamine	ND		0.390	1	06/07/2025 23:52	WG2533313
n-Nitrosodiphenylamine	ND		0.390	1	06/07/2025 23:52	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.390	1	06/07/2025 23:52	WG2533313
Phenanthrene	ND		0.0390	1	06/07/2025 23:52	WG2533313
Benzylbutyl phthalate	ND		0.390	1	06/07/2025 23:52	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.390	1	06/07/2025 23:52	WG2533313
Di-n-butyl phthalate	ND		0.390	1	06/07/2025 23:52	WG2533313
Diethyl phthalate	ND		0.390	1	06/07/2025 23:52	WG2533313
Dimethyl phthalate	ND		0.390	1	06/07/2025 23:52	WG2533313
Di-n-octyl phthalate	ND		0.390	1	06/07/2025 23:52	WG2533313
1,2,4-Trichlorobenzene	ND		0.390	1	06/07/2025 23:52	WG2533313
4-Chloro-3-methylphenol	ND		0.390	1	06/07/2025 23:52	WG2533313
2-Chlorophenol	ND		0.390	1	06/07/2025 23:52	WG2533313
2,4-Dichlorophenol	ND		0.390	1	06/07/2025 23:52	WG2533313
2,4-Dimethylphenol	ND		0.390	1	06/07/2025 23:52	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.390	1	06/07/2025 23:52	WG2533313
2,4-Dinitrophenol	ND		0.390	1	06/07/2025 23:52	WG2533313
2-Nitrophenol	ND		0.390	1	06/07/2025 23:52	WG2533313
4-Nitrophenol	ND		0.390	1	06/07/2025 23:52	WG2533313
Pentachlorophenol	ND		0.390	1	06/07/2025 23:52	WG2533313
Phenol	ND		0.390	1	06/07/2025 23:52	WG2533313
2,4,6-Trichlorophenol	ND		0.390	1	06/07/2025 23:52	WG2533313
(S) 2-Fluorophenol	76.5		12.0-120		06/07/2025 23:52	WG2533313
(S) Phenol-d5	69.8		10.0-120		06/07/2025 23:52	WG2533313
(S) Nitrobenzene-d5	69.4		10.0-122		06/07/2025 23:52	WG2533313
(S) 2-Fluorobiphenyl	77.3		15.0-120		06/07/2025 23:52	WG2533313
(S) 2,4,6-Tribromophenol	94.4		10.0-127		06/07/2025 23:52	WG2533313
(S) p-Terphenyl-d14	83.3		10.0-120		06/07/2025 23:52	WG2533313



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Acenaphthene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Acenaphthylene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Benzo(a)anthracene	ND		0.00702	1	06/08/2025 00:28	WG2533320
Benzo(a)pyrene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Benzo(b)fluoranthene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Benzo(g,h,i)perylene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Benzo(k)fluoranthene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Chrysene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Dibenz(a,h)anthracene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Fluoranthene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Fluorene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Naphthalene	ND		0.00351	1	06/08/2025 00:28	WG2533320
Phenanthrene	ND		0.0386	1	06/08/2025 00:28	WG2533320
Pyrene	ND		0.0386	1	06/08/2025 00:28	WG2533320
1-Methylnaphthalene	ND		0.00351	1	06/08/2025 00:28	WG2533320
2-Methylnaphthalene	ND		0.0140	1	06/08/2025 00:28	WG2533320
(S) p-Terphenyl-d14	92.5		23.0-120		06/08/2025 00:28	WG2533320
(S) Nitrobenzene-d5	83.4		14.0-149		06/08/2025 00:28	WG2533320
(S) 2-Fluorobiphenyl	79.8		34.0-125		06/08/2025 00:28	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.05		1	06/12/2025 13:55	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1800		24.9	1	06/10/2025 13:27	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.2		1	06/07/2025 16:09	WG2533305

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.3	1	06/09/2025 22:54	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1790		123	5	06/10/2025 13:27	WG2533907

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.246	1	06/10/2025 03:44	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.95		1	06/12/2025 07:43	WG2536694

Sample Narrative:

L1867312-14 WG2536694: 7.95 at 21.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	556	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:

L1867312-14 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24.9	1.01	06/08/2025 00:28	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	15800		400	4	06/08/2025 19:37	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.24		0.200	1	06/12/2025 02:48	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7530		24.6	1	06/07/2025 21:23	WG2533358
Antimony	ND		2.46	1	06/07/2025 21:23	WG2533358
Beryllium	0.482		0.246	1	06/07/2025 21:23	WG2533358
Calcium	19700		123	1	06/07/2025 21:23	WG2533358
Chromium	8.56		1.23	1	06/07/2025 21:23	WG2533358
Cobalt	3.91		1.23	1	06/07/2025 21:23	WG2533358
Iron	11600		12.3	1	06/07/2025 21:23	WG2533358
Magnesium	2840		123	1	06/07/2025 21:23	WG2533358
Manganese	215		1.23	1	06/07/2025 21:23	WG2533358
Potassium	2080		123	1	06/07/2025 21:23	WG2533358
Sodium	123		123	1	06/07/2025 21:23	WG2533358
Thallium	ND		2.46	1	06/07/2025 21:23	WG2533358
Vanadium	19.2		2.46	1	06/07/2025 21:23	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.44		0.123	5	06/12/2025 21:27	WG2537275
Barium	90.5		12.3	5	06/12/2025 21:27	WG2537275
Cadmium	0.274		0.123	5	06/12/2025 21:27	WG2537275
Copper	ND		12.3	5	06/12/2025 21:27	WG2537275
Lead	ND		12.3	5	06/12/2025 21:27	WG2537275
Nickel	ND		12.3	5	06/12/2025 21:27	WG2537275
Selenium	0.452		0.123	5	06/12/2025 21:27	WG2537275
Silver	ND		0.616	5	06/12/2025 21:27	WG2537275
Zinc	ND		61.6	5	06/12/2025 21:27	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.66	25	06/07/2025 18:33	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101		77.0-120		06/07/2025 18:33	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0732	1	06/07/2025 15:22	WG2533297
Acrylonitrile	ND		0.0183	1	06/07/2025 15:22	WG2533297
Benzene	ND		0.00146	1	06/07/2025 15:22	WG2533297
Bromobenzene	ND		0.0183	1	06/07/2025 15:22	WG2533297
Bromodichloromethane	ND		0.00366	1	06/07/2025 15:22	WG2533297
Bromoform	ND		0.0366	1	06/07/2025 15:22	WG2533297
Bromomethane	ND	C3	0.0183	1	06/07/2025 15:22	WG2533297
n-Butylbenzene	ND		0.0183	1	06/07/2025 15:22	WG2533297
sec-Butylbenzene	ND		0.0183	1	06/07/2025 15:22	WG2533297
tert-Butylbenzene	ND		0.00732	1	06/07/2025 15:22	WG2533297
Carbon tetrachloride	ND		0.00732	1	06/07/2025 15:22	WG2533297
Chlorobenzene	ND		0.00366	1	06/07/2025 15:22	WG2533297
Chlorodibromomethane	ND		0.00366	1	06/07/2025 15:22	WG2533297



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00732	1	06/07/2025 15:22	WG2533297
Chloroform	0.00693	B	0.00366	1	06/07/2025 15:22	WG2533297
Chloromethane	ND	C3	0.0183	1	06/07/2025 15:22	WG2533297
2-Chlorotoluene	ND		0.00366	1	06/07/2025 15:22	WG2533297
4-Chlorotoluene	ND		0.00732	1	06/07/2025 15:22	WG2533297
1,2-Dibromo-3-Chloropropane	ND		0.0366	1	06/07/2025 15:22	WG2533297
1,2-Dibromoethane	ND		0.00366	1	06/07/2025 15:22	WG2533297
Dibromomethane	ND		0.00732	1	06/07/2025 15:22	WG2533297
1,2-Dichlorobenzene	ND		0.00732	1	06/07/2025 15:22	WG2533297
1,3-Dichlorobenzene	ND		0.00732	1	06/07/2025 15:22	WG2533297
1,4-Dichlorobenzene	ND		0.00732	1	06/07/2025 15:22	WG2533297
Dichlorodifluoromethane	ND	C3	0.00732	1	06/07/2025 15:22	WG2533297
1,1-Dichloroethane	ND		0.00366	1	06/07/2025 15:22	WG2533297
1,2-Dichloroethane	ND		0.00366	1	06/07/2025 15:22	WG2533297
1,1-Dichloroethene	ND		0.00366	1	06/07/2025 15:22	WG2533297
cis-1,2-Dichloroethene	ND		0.00366	1	06/07/2025 15:22	WG2533297
trans-1,2-Dichloroethene	ND		0.00732	1	06/07/2025 15:22	WG2533297
1,2-Dichloropropane	ND		0.00732	1	06/07/2025 15:22	WG2533297
1,1-Dichloropropene	ND		0.00366	1	06/07/2025 15:22	WG2533297
1,3-Dichloropropane	ND		0.00732	1	06/07/2025 15:22	WG2533297
cis-1,3-Dichloropropene	ND		0.00366	1	06/07/2025 15:22	WG2533297
trans-1,3-Dichloropropene	ND		0.00732	1	06/07/2025 15:22	WG2533297
2,2-Dichloropropane	ND		0.00366	1	06/07/2025 15:22	WG2533297
Di-isopropyl ether	ND		0.00146	1	06/07/2025 15:22	WG2533297
Ethylbenzene	ND		0.0146	1	06/07/2025 15:22	WG2533297
Hexachloro-1,3-butadiene	ND		0.0366	1	06/07/2025 15:22	WG2533297
Isopropylbenzene	ND		0.00366	1	06/07/2025 15:22	WG2533297
p-Isopropyltoluene	ND		0.00732	1	06/07/2025 15:22	WG2533297
2-Butanone (MEK)	ND		0.146	1	06/07/2025 15:22	WG2533297
Methylene Chloride	ND		0.0366	1	06/07/2025 15:22	WG2533297
4-Methyl-2-pentanone (MIBK)	ND		0.0366	1	06/07/2025 15:22	WG2533297
Methyl tert-butyl ether	ND		0.00146	1	06/07/2025 15:22	WG2533297
n-Propylbenzene	ND		0.00732	1	06/07/2025 15:22	WG2533297
Styrene	ND		0.0183	1	06/07/2025 15:22	WG2533297
1,1,1,2-Tetrachloroethane	ND		0.00366	1	06/07/2025 15:22	WG2533297
1,1,2,2-Tetrachloroethane	ND		0.00366	1	06/07/2025 15:22	WG2533297
1,1,2-Trichlorotrifluoroethane	ND		0.00366	1	06/07/2025 15:22	WG2533297
Tetrachloroethene	ND		0.00366	1	06/07/2025 15:22	WG2533297
Toluene	ND		0.0146	1	06/07/2025 15:22	WG2533297
1,2,3-Trichlorobenzene	ND		0.0183	1	06/07/2025 15:22	WG2533297
1,2,4-Trichlorobenzene	ND		0.0183	1	06/07/2025 15:22	WG2533297
1,1,1-Trichloroethane	ND		0.00366	1	06/07/2025 15:22	WG2533297
1,1,2-Trichloroethane	ND		0.00366	1	06/07/2025 15:22	WG2533297
Trichloroethene	ND		0.00146	1	06/07/2025 15:22	WG2533297
Trichlorofluoromethane	ND		0.00366	1	06/07/2025 15:22	WG2533297
1,2,3-Trichloropropane	ND		0.0183	1	06/07/2025 15:22	WG2533297
1,2,3-Trimethylbenzene	ND		0.00732	1	06/07/2025 15:22	WG2533297
1,2,4-Trimethylbenzene	ND		0.00732	1	06/07/2025 15:22	WG2533297
1,3,5-Trimethylbenzene	ND		0.00732	1	06/07/2025 15:22	WG2533297
Vinyl chloride	ND	C3	0.00366	1	06/07/2025 15:22	WG2533297
Xylenes, Total	ND		0.146	1	06/07/2025 15:22	WG2533297
(S) Toluene-d8	98.8		75.0-131		06/07/2025 15:22	WG2533297
(S) 4-Bromofluorobenzene	99.6		67.0-138		06/07/2025 15:22	WG2533297
(S) 1,2-Dichloroethane-d4	100		70.0-130		06/07/2025 15:22	WG2533297

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.93	1	06/07/2025 23:47	WG2533319
C28-C36 Motor Oil Range	18.6		4.93	1	06/07/2025 23:47	WG2533319
(S) o-Terphenyl	38.4		18.0-148		06/07/2025 23:47	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0410	1	06/07/2025 22:27	WG2533313
Benzidine	ND	J4	2.06	1	06/07/2025 22:27	WG2533313
Benzo(g,h,i)perylene	ND		0.0410	1	06/07/2025 22:27	WG2533313
Bis(2-chlorethoxy)methane	ND		0.410	1	06/07/2025 22:27	WG2533313
Bis(2-chloroethyl)ether	ND		0.410	1	06/07/2025 22:27	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.410	1	06/07/2025 22:27	WG2533313
4-Bromophenyl-phenylether	ND		0.410	1	06/07/2025 22:27	WG2533313
2-Chloronaphthalene	ND		0.0410	1	06/07/2025 22:27	WG2533313
4-Chlorophenyl-phenylether	ND		0.410	1	06/07/2025 22:27	WG2533313
1,2-Dichlorobenzene	ND		0.410	1	06/07/2025 22:27	WG2533313
1,3-Dichlorobenzene	ND		0.410	1	06/07/2025 22:27	WG2533313
1,4-Dichlorobenzene	ND		0.410	1	06/07/2025 22:27	WG2533313
3,3-Dichlorobenzidine	ND		0.410	1	06/07/2025 22:27	WG2533313
2,4-Dinitrotoluene	ND		0.410	1	06/07/2025 22:27	WG2533313
2,6-Dinitrotoluene	ND		0.410	1	06/07/2025 22:27	WG2533313
Hexachlorobenzene	ND		0.410	1	06/07/2025 22:27	WG2533313
Hexachloro-1,3-butadiene	ND		0.410	1	06/07/2025 22:27	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.410	1	06/07/2025 22:27	WG2533313
Hexachloroethane	ND		0.410	1	06/07/2025 22:27	WG2533313
Isophorone	ND		0.410	1	06/07/2025 22:27	WG2533313
Nitrobenzene	ND		0.410	1	06/07/2025 22:27	WG2533313
n-Nitrosodimethylamine	ND		0.410	1	06/07/2025 22:27	WG2533313
n-Nitrosodiphenylamine	ND		0.410	1	06/07/2025 22:27	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.410	1	06/07/2025 22:27	WG2533313
Phenanthrene	ND		0.0410	1	06/07/2025 22:27	WG2533313
Benzylbutyl phthalate	ND		0.410	1	06/07/2025 22:27	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.410	1	06/07/2025 22:27	WG2533313
Di-n-butyl phthalate	ND		0.410	1	06/07/2025 22:27	WG2533313
Diethyl phthalate	ND		0.410	1	06/07/2025 22:27	WG2533313
Dimethyl phthalate	ND		0.410	1	06/07/2025 22:27	WG2533313
Di-n-octyl phthalate	ND		0.410	1	06/07/2025 22:27	WG2533313
1,2,4-Trichlorobenzene	ND		0.410	1	06/07/2025 22:27	WG2533313
4-Chloro-3-methylphenol	ND		0.410	1	06/07/2025 22:27	WG2533313
2-Chlorophenol	ND		0.410	1	06/07/2025 22:27	WG2533313
2,4-Dichlorophenol	ND		0.410	1	06/07/2025 22:27	WG2533313
2,4-Dimethylphenol	ND		0.410	1	06/07/2025 22:27	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.410	1	06/07/2025 22:27	WG2533313
2,4-Dinitrophenol	ND		0.410	1	06/07/2025 22:27	WG2533313
2-Nitrophenol	ND		0.410	1	06/07/2025 22:27	WG2533313
4-Nitrophenol	ND		0.410	1	06/07/2025 22:27	WG2533313
Pentachlorophenol	ND		0.410	1	06/07/2025 22:27	WG2533313
Phenol	ND		0.410	1	06/07/2025 22:27	WG2533313
2,4,6-Trichlorophenol	ND		0.410	1	06/07/2025 22:27	WG2533313
(S) 2-Fluorophenol	61.2		12.0-120		06/07/2025 22:27	WG2533313
(S) Phenol-d5	55.5		10.0-120		06/07/2025 22:27	WG2533313
(S) Nitrobenzene-d5	60.4		10.0-122		06/07/2025 22:27	WG2533313
(S) 2-Fluorobiphenyl	71.4		15.0-120		06/07/2025 22:27	WG2533313
(S) 2,4,6-Tribromophenol	81.3		10.0-127		06/07/2025 22:27	WG2533313
(S) p-Terphenyl-d14	65.7		10.0-120		06/07/2025 22:27	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Acenaphthene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Acenaphthylene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Benzo(a)anthracene	ND		0.00739	1	06/08/2025 00:46	WG2533320
Benzo(a)pyrene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Benzo(b)fluoranthene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Benzo(g,h,i)perylene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Benzo(k)fluoranthene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Chrysene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Dibenz(a,h)anthracene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Fluoranthene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Fluorene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Naphthalene	ND		0.00370	1	06/08/2025 00:46	WG2533320
Phenanthrene	ND		0.0407	1	06/08/2025 00:46	WG2533320
Pyrene	ND		0.0407	1	06/08/2025 00:46	WG2533320
1-Methylnaphthalene	ND		0.00370	1	06/08/2025 00:46	WG2533320
2-Methylnaphthalene	ND		0.0148	1	06/08/2025 00:46	WG2533320
(S) p-Terphenyl-d14	106		23.0-120		06/08/2025 00:46	WG2533320
(S) Nitrobenzene-d5	88.8		14.0-149		06/08/2025 00:46	WG2533320
(S) 2-Fluorobiphenyl	94.7		34.0-125		06/08/2025 00:46	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.821		1	06/12/2025 13:56	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1750		23.7	1	06/10/2025 13:29	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.2		1	06/07/2025 16:09	WG2533305

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.9	1	06/09/2025 22:56	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1740		119	5	06/10/2025 13:29	WG2533907

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.237	1	06/10/2025 09:07	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.67		1	06/12/2025 07:43	WG2536694

Sample Narrative:

L1867312-15 WG2536694: 7.67 at 21.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	474	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:

L1867312-15 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		23.7	1	06/08/2025 00:45	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14600		500	5	06/08/2025 19:38	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.19		0.200	1	06/12/2025 02:51	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	8390		23.7	1	06/07/2025 21:29	WG2533358
Antimony	ND		2.37	1	06/07/2025 21:29	WG2533358
Beryllium	0.678		0.237	1	06/07/2025 21:29	WG2533358
Calcium	3890		119	1	06/07/2025 21:29	WG2533358
Chromium	8.54		1.19	1	06/07/2025 21:29	WG2533358
Cobalt	4.61		1.19	1	06/07/2025 21:29	WG2533358
Iron	22800		11.9	1	06/07/2025 21:29	WG2533358
Magnesium	2740		119	1	06/07/2025 21:29	WG2533358
Manganese	538		1.19	1	06/07/2025 21:29	WG2533358
Potassium	2330		119	1	06/07/2025 21:29	WG2533358
Sodium	152		119	1	06/07/2025 21:29	WG2533358
Thallium	ND		2.37	1	06/07/2025 21:29	WG2533358
Vanadium	32.4		2.37	1	06/07/2025 21:29	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.62		0.119	5	06/12/2025 19:51	WG2537275
Barium	91.2		11.9	5	06/12/2025 19:51	WG2537275
Cadmium	0.394		0.119	5	06/12/2025 19:51	WG2537275
Copper	35.2		11.9	5	06/12/2025 19:51	WG2537275
Lead	ND		11.9	5	06/12/2025 19:51	WG2537275
Nickel	ND		11.9	5	06/12/2025 19:51	WG2537275
Selenium	0.578		0.119	5	06/12/2025 19:51	WG2537275
Silver	ND		0.593	5	06/12/2025 19:51	WG2537275
Zinc	ND		59.3	5	06/12/2025 19:51	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.44	25	06/07/2025 18:56	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101		77.0-120		06/07/2025 18:56	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0687	1	06/07/2025 15:41	WG2533297
Acrylonitrile	ND		0.0172	1	06/07/2025 15:41	WG2533297
Benzene	ND		0.00137	1	06/07/2025 15:41	WG2533297
Bromobenzene	ND		0.0172	1	06/07/2025 15:41	WG2533297
Bromodichloromethane	ND		0.00344	1	06/07/2025 15:41	WG2533297
Bromoform	ND		0.0344	1	06/07/2025 15:41	WG2533297
Bromomethane	ND	C3	0.0172	1	06/07/2025 15:41	WG2533297
n-Butylbenzene	ND		0.0172	1	06/07/2025 15:41	WG2533297
sec-Butylbenzene	ND		0.0172	1	06/07/2025 15:41	WG2533297
tert-Butylbenzene	ND		0.00687	1	06/07/2025 15:41	WG2533297
Carbon tetrachloride	ND		0.00687	1	06/07/2025 15:41	WG2533297
Chlorobenzene	ND		0.00344	1	06/07/2025 15:41	WG2533297
Chlorodibromomethane	ND		0.00344	1	06/07/2025 15:41	WG2533297



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00687	1	06/07/2025 15:41	WG2533297
Chloroform	0.00577	B	0.00344	1	06/07/2025 15:41	WG2533297
Chloromethane	ND	C3	0.0172	1	06/07/2025 15:41	WG2533297
2-Chlorotoluene	ND		0.00344	1	06/07/2025 15:41	WG2533297
4-Chlorotoluene	ND		0.00687	1	06/07/2025 15:41	WG2533297
1,2-Dibromo-3-Chloropropane	ND		0.0344	1	06/07/2025 15:41	WG2533297
1,2-Dibromoethane	ND		0.00344	1	06/07/2025 15:41	WG2533297
Dibromomethane	ND		0.00687	1	06/07/2025 15:41	WG2533297
1,2-Dichlorobenzene	ND		0.00687	1	06/07/2025 15:41	WG2533297
1,3-Dichlorobenzene	ND		0.00687	1	06/07/2025 15:41	WG2533297
1,4-Dichlorobenzene	ND		0.00687	1	06/07/2025 15:41	WG2533297
Dichlorodifluoromethane	ND	C3	0.00687	1	06/07/2025 15:41	WG2533297
1,1-Dichloroethane	ND		0.00344	1	06/07/2025 15:41	WG2533297
1,2-Dichloroethane	ND		0.00344	1	06/07/2025 15:41	WG2533297
1,1-Dichloroethene	ND		0.00344	1	06/07/2025 15:41	WG2533297
cis-1,2-Dichloroethene	ND		0.00344	1	06/07/2025 15:41	WG2533297
trans-1,2-Dichloroethene	ND		0.00687	1	06/07/2025 15:41	WG2533297
1,2-Dichloropropane	ND		0.00687	1	06/07/2025 15:41	WG2533297
1,1-Dichloropropene	ND		0.00344	1	06/07/2025 15:41	WG2533297
1,3-Dichloropropane	ND		0.00687	1	06/07/2025 15:41	WG2533297
cis-1,3-Dichloropropene	ND		0.00344	1	06/07/2025 15:41	WG2533297
trans-1,3-Dichloropropene	ND		0.00687	1	06/07/2025 15:41	WG2533297
2,2-Dichloropropane	ND		0.00344	1	06/07/2025 15:41	WG2533297
Di-isopropyl ether	ND		0.00137	1	06/07/2025 15:41	WG2533297
Ethylbenzene	ND		0.0137	1	06/07/2025 15:41	WG2533297
Hexachloro-1,3-butadiene	ND		0.0344	1	06/07/2025 15:41	WG2533297
Isopropylbenzene	ND		0.00344	1	06/07/2025 15:41	WG2533297
p-Isopropyltoluene	ND		0.00687	1	06/07/2025 15:41	WG2533297
2-Butanone (MEK)	ND		0.137	1	06/07/2025 15:41	WG2533297
Methylene Chloride	ND		0.0344	1	06/07/2025 15:41	WG2533297
4-Methyl-2-pentanone (MIBK)	ND		0.0344	1	06/07/2025 15:41	WG2533297
Methyl tert-butyl ether	ND		0.00137	1	06/07/2025 15:41	WG2533297
n-Propylbenzene	ND		0.00687	1	06/07/2025 15:41	WG2533297
Styrene	ND		0.0172	1	06/07/2025 15:41	WG2533297
1,1,1,2-Tetrachloroethane	ND		0.00344	1	06/07/2025 15:41	WG2533297
1,1,2,2-Tetrachloroethane	ND		0.00344	1	06/07/2025 15:41	WG2533297
1,1,2-Trichlorotrifluoroethane	ND		0.00344	1	06/07/2025 15:41	WG2533297
Tetrachloroethene	ND		0.00344	1	06/07/2025 15:41	WG2533297
Toluene	ND		0.0137	1	06/07/2025 15:41	WG2533297
1,2,3-Trichlorobenzene	ND		0.0172	1	06/07/2025 15:41	WG2533297
1,2,4-Trichlorobenzene	ND		0.0172	1	06/07/2025 15:41	WG2533297
1,1,1-Trichloroethane	ND		0.00344	1	06/07/2025 15:41	WG2533297
1,1,2-Trichloroethane	ND		0.00344	1	06/07/2025 15:41	WG2533297
Trichloroethene	ND		0.00137	1	06/07/2025 15:41	WG2533297
Trichlorofluoromethane	ND		0.00344	1	06/07/2025 15:41	WG2533297
1,2,3-Trichloropropane	ND		0.0172	1	06/07/2025 15:41	WG2533297
1,2,3-Trimethylbenzene	ND		0.00687	1	06/07/2025 15:41	WG2533297
1,2,4-Trimethylbenzene	ND		0.00687	1	06/07/2025 15:41	WG2533297
1,3,5-Trimethylbenzene	ND		0.00687	1	06/07/2025 15:41	WG2533297
Vinyl chloride	ND	C3	0.00344	1	06/07/2025 15:41	WG2533297
Xylenes, Total	ND		0.137	1	06/07/2025 15:41	WG2533297
(S) Toluene-d8	101		75.0-131		06/07/2025 15:41	WG2533297
(S) 4-Bromofluorobenzene	99.9		67.0-138		06/07/2025 15:41	WG2533297
(S) 1,2-Dichloroethane-d4	103		70.0-130		06/07/2025 15:41	WG2533297

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.75	1	06/08/2025 00:45	WG2533319
C28-C36 Motor Oil Range	66.1		4.75	1	06/08/2025 00:45	WG2533319
(S) o-Terphenyl	53.7		18.0-148		06/08/2025 00:45	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0395	1	06/07/2025 23:10	WG2533313
Benzidine	ND	J4	1.98	1	06/07/2025 23:10	WG2533313
Benzo(g,h,i)perylene	ND		0.0395	1	06/07/2025 23:10	WG2533313
Bis(2-chlorethoxy)methane	ND		0.395	1	06/07/2025 23:10	WG2533313
Bis(2-chloroethyl)ether	ND		0.395	1	06/07/2025 23:10	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.395	1	06/07/2025 23:10	WG2533313
4-Bromophenyl-phenylether	ND		0.395	1	06/07/2025 23:10	WG2533313
2-Chloronaphthalene	ND		0.0395	1	06/07/2025 23:10	WG2533313
4-Chlorophenyl-phenylether	ND		0.395	1	06/07/2025 23:10	WG2533313
1,2-Dichlorobenzene	ND		0.395	1	06/07/2025 23:10	WG2533313
1,3-Dichlorobenzene	ND		0.395	1	06/07/2025 23:10	WG2533313
1,4-Dichlorobenzene	ND		0.395	1	06/07/2025 23:10	WG2533313
3,3-Dichlorobenzidine	ND		0.395	1	06/07/2025 23:10	WG2533313
2,4-Dinitrotoluene	ND		0.395	1	06/07/2025 23:10	WG2533313
2,6-Dinitrotoluene	ND		0.395	1	06/07/2025 23:10	WG2533313
Hexachlorobenzene	ND		0.395	1	06/07/2025 23:10	WG2533313
Hexachloro-1,3-butadiene	ND		0.395	1	06/07/2025 23:10	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.395	1	06/07/2025 23:10	WG2533313
Hexachloroethane	ND		0.395	1	06/07/2025 23:10	WG2533313
Isophorone	ND		0.395	1	06/07/2025 23:10	WG2533313
Nitrobenzene	ND		0.395	1	06/07/2025 23:10	WG2533313
n-Nitrosodimethylamine	ND		0.395	1	06/07/2025 23:10	WG2533313
n-Nitrosodiphenylamine	ND		0.395	1	06/07/2025 23:10	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.395	1	06/07/2025 23:10	WG2533313
Phenanthrene	ND		0.0395	1	06/07/2025 23:10	WG2533313
Benzylbutyl phthalate	ND		0.395	1	06/07/2025 23:10	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.395	1	06/07/2025 23:10	WG2533313
Di-n-butyl phthalate	ND		0.395	1	06/07/2025 23:10	WG2533313
Diethyl phthalate	ND		0.395	1	06/07/2025 23:10	WG2533313
Dimethyl phthalate	ND		0.395	1	06/07/2025 23:10	WG2533313
Di-n-octyl phthalate	ND		0.395	1	06/07/2025 23:10	WG2533313
1,2,4-Trichlorobenzene	ND		0.395	1	06/07/2025 23:10	WG2533313
4-Chloro-3-methylphenol	ND		0.395	1	06/07/2025 23:10	WG2533313
2-Chlorophenol	ND		0.395	1	06/07/2025 23:10	WG2533313
2,4-Dichlorophenol	ND		0.395	1	06/07/2025 23:10	WG2533313
2,4-Dimethylphenol	ND		0.395	1	06/07/2025 23:10	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.395	1	06/07/2025 23:10	WG2533313
2,4-Dinitrophenol	ND		0.395	1	06/07/2025 23:10	WG2533313
2-Nitrophenol	ND		0.395	1	06/07/2025 23:10	WG2533313
4-Nitrophenol	ND		0.395	1	06/07/2025 23:10	WG2533313
Pentachlorophenol	ND		0.395	1	06/07/2025 23:10	WG2533313
Phenol	ND		0.395	1	06/07/2025 23:10	WG2533313
2,4,6-Trichlorophenol	ND		0.395	1	06/07/2025 23:10	WG2533313
(S) 2-Fluorophenol	66.3		12.0-120		06/07/2025 23:10	WG2533313
(S) Phenol-d5	57.1		10.0-120		06/07/2025 23:10	WG2533313
(S) Nitrobenzene-d5	61.0		10.0-122		06/07/2025 23:10	WG2533313
(S) 2-Fluorobiphenyl	68.7		15.0-120		06/07/2025 23:10	WG2533313
(S) 2,4,6-Tribromophenol	86.7		10.0-127		06/07/2025 23:10	WG2533313
(S) p-Terphenyl-d14	72.4		10.0-120		06/07/2025 23:10	WG2533313



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Acenaphthene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Acenaphthylene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Benzo(a)anthracene	ND		0.00712	1	06/08/2025 01:03	WG2533320
Benzo(a)pyrene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Benzo(b)fluoranthene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Benzo(g,h,i)perylene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Benzo(k)fluoranthene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Chrysene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Dibenz(a,h)anthracene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Fluoranthene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Fluorene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Naphthalene	ND		0.00356	1	06/08/2025 01:03	WG2533320
Phenanthrene	ND		0.0392	1	06/08/2025 01:03	WG2533320
Pyrene	ND		0.0392	1	06/08/2025 01:03	WG2533320
1-Methylnaphthalene	ND		0.00356	1	06/08/2025 01:03	WG2533320
2-Methylnaphthalene	ND		0.0142	1	06/08/2025 01:03	WG2533320
(S) p-Terphenyl-d14	102		23.0-120		06/08/2025 01:03	WG2533320
(S) Nitrobenzene-d5	88.1		14.0-149		06/08/2025 01:03	WG2533320
(S) 2-Fluorobiphenyl	84.3		34.0-125		06/08/2025 01:03	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/07/2025 17:16	WG2533281
Acrolein	ND		0.0500	1	06/07/2025 17:16	WG2533281
Acrylonitrile	ND		0.0100	1	06/07/2025 17:16	WG2533281
Benzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Bromobenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Bromodichloromethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
Bromoform	ND	C3	0.00100	1	06/07/2025 17:16	WG2533281
Bromomethane	ND	C3	0.00500	1	06/07/2025 17:16	WG2533281
n-Butylbenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
sec-Butylbenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
tert-Butylbenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Carbon tetrachloride	ND		0.00100	1	06/07/2025 17:16	WG2533281
Chlorobenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Chlorodibromomethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
Chloroethane	ND	C3	0.00500	1	06/07/2025 17:16	WG2533281
Chloroform	ND		0.00500	1	06/07/2025 17:16	WG2533281
Chloromethane	ND		0.00250	1	06/07/2025 17:16	WG2533281
2-Chlorotoluene	ND		0.00100	1	06/07/2025 17:16	WG2533281
4-Chlorotoluene	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,2-Dibromo-3-Chloropropane	ND	C3	0.00500	1	06/07/2025 17:16	WG2533281
1,2-Dibromoethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
Dibromomethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,2-Dichlorobenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,3-Dichlorobenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,4-Dichlorobenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Dichlorodifluoromethane	ND	C3	0.00500	1	06/07/2025 17:16	WG2533281
1,1-Dichloroethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,2-Dichloroethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,1-Dichloroethene	ND		0.00100	1	06/07/2025 17:16	WG2533281
cis-1,2-Dichloroethene	ND		0.00100	1	06/07/2025 17:16	WG2533281
trans-1,2-Dichloroethene	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,2-Dichloropropane	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,1-Dichloropropene	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,3-Dichloropropane	ND		0.00100	1	06/07/2025 17:16	WG2533281
cis-1,3-Dichloropropene	ND		0.00100	1	06/07/2025 17:16	WG2533281
trans-1,3-Dichloropropene	ND		0.00100	1	06/07/2025 17:16	WG2533281
2,2-Dichloropropane	ND		0.00100	1	06/07/2025 17:16	WG2533281
Di-isopropyl ether	ND		0.00100	1	06/07/2025 17:16	WG2533281
Ethylbenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Hexachloro-1,3-butadiene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Isopropylbenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
p-Isopropyltoluene	ND		0.00100	1	06/07/2025 17:16	WG2533281
2-Butanone (MEK)	ND		0.0100	1	06/07/2025 17:16	WG2533281
Methylene Chloride	ND		0.00500	1	06/07/2025 17:16	WG2533281
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/07/2025 17:16	WG2533281
Methyl tert-butyl ether	ND		0.00100	1	06/07/2025 17:16	WG2533281
Naphthalene	ND	C3	0.00500	1	06/07/2025 17:16	WG2533281
n-Propylbenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Styrene	ND	C3	0.00100	1	06/07/2025 17:16	WG2533281
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
Tetrachloroethene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Toluene	ND	C3	0.00100	1	06/07/2025 17:16	WG2533281
1,2,3-Trichlorobenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,2,4-Trichlorobenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,1,2-Trichloroethane	ND		0.00100	1	06/07/2025 17:16	WG2533281
Trichloroethene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Trichlorofluoromethane	ND	C3	0.00500	1	06/07/2025 17:16	WG2533281
1,2,3-Trichloropropane	ND		0.00250	1	06/07/2025 17:16	WG2533281
1,2,4-Trimethylbenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,2,3-Trimethylbenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
1,3,5-Trimethylbenzene	ND		0.00100	1	06/07/2025 17:16	WG2533281
Vinyl chloride	ND	C3 J4	0.00100	1	06/07/2025 17:16	WG2533281
Xylenes, Total	ND		0.00300	1	06/07/2025 17:16	WG2533281
(S) Toluene-d8	100		80.0-120		06/07/2025 17:16	WG2533281
(S) 4-Bromofluorobenzene	96.6		77.0-126		06/07/2025 17:16	WG2533281
(S) 1,2-Dichloroethane-d4	110		70.0-130		06/07/2025 17:16	WG2533281

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.44		1	06/12/2025 13:58	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1610		25.1	1	06/10/2025 13:31	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.9		1	06/07/2025 16:09	WG2533305

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.2	1	06/09/2025 23:02	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1600		122	5	06/10/2025 13:31	WG2533907

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.244	1	06/10/2025 09:18	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.08		1	06/12/2025 07:43	WG2536694

Sample Narrative:

L1867312-17 WG2536694: 8.08 at 21.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	630	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:

L1867312-17 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		25.1	1.03	06/08/2025 01:01	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	11400		400	4	06/08/2025 19:38	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.29		0.200	1	06/12/2025 02:54	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	10500		24.4	1	06/07/2025 21:31	WG2533358
Antimony	ND		2.44	1	06/07/2025 21:31	WG2533358
Beryllium	0.742		0.244	1	06/07/2025 21:31	WG2533358
Calcium	13800		122	1	06/07/2025 21:31	WG2533358
Chromium	9.88		1.22	1	06/07/2025 21:31	WG2533358
Cobalt	5.45		1.22	1	06/07/2025 21:31	WG2533358
Iron	29500		12.2	1	06/07/2025 21:31	WG2533358
Magnesium	4190		122	1	06/07/2025 21:31	WG2533358
Manganese	583		1.22	1	06/07/2025 21:31	WG2533358
Potassium	2960		122	1	06/07/2025 21:31	WG2533358
Sodium	239		122	1	06/07/2025 21:31	WG2533358
Thallium	ND		2.44	1	06/07/2025 21:31	WG2533358
Vanadium	32.0		2.44	1	06/07/2025 21:31	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	7.28		0.122	5	06/12/2025 19:54	WG2537275
Barium	102		12.2	5	06/12/2025 19:54	WG2537275
Cadmium	0.333		0.122	5	06/12/2025 19:54	WG2537275
Copper	15.9		12.2	5	06/12/2025 19:54	WG2537275
Lead	ND		12.2	5	06/12/2025 19:54	WG2537275
Nickel	ND		12.2	5	06/12/2025 19:54	WG2537275
Selenium	0.593		0.122	5	06/12/2025 19:54	WG2537275
Silver	ND		0.610	5	06/12/2025 19:54	WG2537275
Zinc	ND		61.0	5	06/12/2025 19:54	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.60	25	06/07/2025 19:18	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/07/2025 19:18	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0721	1	06/07/2025 16:00	WG2533297
Acrylonitrile	ND		0.0180	1	06/07/2025 16:00	WG2533297
Benzene	ND		0.00144	1	06/07/2025 16:00	WG2533297
Bromobenzene	ND		0.0180	1	06/07/2025 16:00	WG2533297
Bromodichloromethane	ND		0.00360	1	06/07/2025 16:00	WG2533297
Bromoform	ND		0.0360	1	06/07/2025 16:00	WG2533297
Bromomethane	ND	C3	0.0180	1	06/07/2025 16:00	WG2533297
n-Butylbenzene	ND		0.0180	1	06/07/2025 16:00	WG2533297
sec-Butylbenzene	ND		0.0180	1	06/07/2025 16:00	WG2533297
tert-Butylbenzene	ND		0.00721	1	06/07/2025 16:00	WG2533297
Carbon tetrachloride	ND		0.00721	1	06/07/2025 16:00	WG2533297
Chlorobenzene	ND		0.00360	1	06/07/2025 16:00	WG2533297
Chlorodibromomethane	ND		0.00360	1	06/07/2025 16:00	WG2533297



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00721	1	06/07/2025 16:00	WG2533297
Chloroform	0.00588	B	0.00360	1	06/07/2025 16:00	WG2533297
Chloromethane	ND	C3	0.0180	1	06/07/2025 16:00	WG2533297
2-Chlorotoluene	ND		0.00360	1	06/07/2025 16:00	WG2533297
4-Chlorotoluene	ND		0.00721	1	06/07/2025 16:00	WG2533297
1,2-Dibromo-3-Chloropropane	ND		0.0360	1	06/07/2025 16:00	WG2533297
1,2-Dibromoethane	ND		0.00360	1	06/07/2025 16:00	WG2533297
Dibromomethane	ND		0.00721	1	06/07/2025 16:00	WG2533297
1,2-Dichlorobenzene	ND		0.00721	1	06/07/2025 16:00	WG2533297
1,3-Dichlorobenzene	ND		0.00721	1	06/07/2025 16:00	WG2533297
1,4-Dichlorobenzene	ND		0.00721	1	06/07/2025 16:00	WG2533297
Dichlorodifluoromethane	ND	C3	0.00721	1	06/07/2025 16:00	WG2533297
1,1-Dichloroethane	ND		0.00360	1	06/07/2025 16:00	WG2533297
1,2-Dichloroethane	ND		0.00360	1	06/07/2025 16:00	WG2533297
1,1-Dichloroethene	ND		0.00360	1	06/07/2025 16:00	WG2533297
cis-1,2-Dichloroethene	ND		0.00360	1	06/07/2025 16:00	WG2533297
trans-1,2-Dichloroethene	ND		0.00721	1	06/07/2025 16:00	WG2533297
1,2-Dichloropropane	ND		0.00721	1	06/07/2025 16:00	WG2533297
1,1-Dichloropropene	ND		0.00360	1	06/07/2025 16:00	WG2533297
1,3-Dichloropropane	ND		0.00721	1	06/07/2025 16:00	WG2533297
cis-1,3-Dichloropropene	ND		0.00360	1	06/07/2025 16:00	WG2533297
trans-1,3-Dichloropropene	ND		0.00721	1	06/07/2025 16:00	WG2533297
2,2-Dichloropropane	ND		0.00360	1	06/07/2025 16:00	WG2533297
Di-isopropyl ether	ND		0.00144	1	06/07/2025 16:00	WG2533297
Ethylbenzene	ND		0.0144	1	06/07/2025 16:00	WG2533297
Hexachloro-1,3-butadiene	ND		0.0360	1	06/07/2025 16:00	WG2533297
Isopropylbenzene	ND		0.00360	1	06/07/2025 16:00	WG2533297
p-Isopropyltoluene	ND		0.00721	1	06/07/2025 16:00	WG2533297
2-Butanone (MEK)	ND		0.144	1	06/07/2025 16:00	WG2533297
Methylene Chloride	ND		0.0360	1	06/07/2025 16:00	WG2533297
4-Methyl-2-pentanone (MIBK)	ND		0.0360	1	06/07/2025 16:00	WG2533297
Methyl tert-butyl ether	ND		0.00144	1	06/07/2025 16:00	WG2533297
n-Propylbenzene	ND		0.00721	1	06/07/2025 16:00	WG2533297
Styrene	ND		0.0180	1	06/07/2025 16:00	WG2533297
1,1,1,2-Tetrachloroethane	ND		0.00360	1	06/07/2025 16:00	WG2533297
1,1,2,2-Tetrachloroethane	ND		0.00360	1	06/07/2025 16:00	WG2533297
1,1,2-Trichlorotrifluoroethane	ND		0.00360	1	06/07/2025 16:00	WG2533297
Tetrachloroethene	ND		0.00360	1	06/07/2025 16:00	WG2533297
Toluene	ND		0.0144	1	06/07/2025 16:00	WG2533297
1,2,3-Trichlorobenzene	ND		0.0180	1	06/07/2025 16:00	WG2533297
1,2,4-Trichlorobenzene	ND		0.0180	1	06/07/2025 16:00	WG2533297
1,1,1-Trichloroethane	ND		0.00360	1	06/07/2025 16:00	WG2533297
1,1,2-Trichloroethane	ND		0.00360	1	06/07/2025 16:00	WG2533297
Trichloroethene	ND		0.00144	1	06/07/2025 16:00	WG2533297
Trichlorofluoromethane	ND		0.00360	1	06/07/2025 16:00	WG2533297
1,2,3-Trichloropropane	ND		0.0180	1	06/07/2025 16:00	WG2533297
1,2,3-Trimethylbenzene	ND		0.00721	1	06/07/2025 16:00	WG2533297
1,2,4-Trimethylbenzene	ND		0.00721	1	06/07/2025 16:00	WG2533297
1,3,5-Trimethylbenzene	ND		0.00721	1	06/07/2025 16:00	WG2533297
Vinyl chloride	ND	C3	0.00360	1	06/07/2025 16:00	WG2533297
Xylenes, Total	ND		0.144	1	06/07/2025 16:00	WG2533297
(S) Toluene-d8	99.4		75.0-131		06/07/2025 16:00	WG2533297
(S) 4-Bromofluorobenzene	98.1		67.0-138		06/07/2025 16:00	WG2533297
(S) 1,2-Dichloroethane-d4	102		70.0-130		06/07/2025 16:00	WG2533297

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.88	1	06/08/2025 01:42	WG2533319
C28-C36 Motor Oil Range	25.6		4.88	1	06/08/2025 01:42	WG2533319
(S) o-Terphenyl	48.6		18.0-148		06/08/2025 01:42	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0813	2	06/08/2025 02:51	WG2533313
Benzidine	ND	J4	4.08	2	06/08/2025 02:51	WG2533313
Benzo(g,h,i)perylene	ND		0.0813	2	06/08/2025 02:51	WG2533313
Bis(2-chlorethoxy)methane	ND		0.813	2	06/08/2025 02:51	WG2533313
Bis(2-chloroethyl)ether	ND		0.813	2	06/08/2025 02:51	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.813	2	06/08/2025 02:51	WG2533313
4-Bromophenyl-phenylether	ND		0.813	2	06/08/2025 02:51	WG2533313
2-Chloronaphthalene	ND		0.0813	2	06/08/2025 02:51	WG2533313
4-Chlorophenyl-phenylether	ND		0.813	2	06/08/2025 02:51	WG2533313
1,2-Dichlorobenzene	ND		0.813	2	06/08/2025 02:51	WG2533313
1,3-Dichlorobenzene	ND		0.813	2	06/08/2025 02:51	WG2533313
1,4-Dichlorobenzene	ND		0.813	2	06/08/2025 02:51	WG2533313
3,3-Dichlorobenzidine	ND		0.813	2	06/08/2025 02:51	WG2533313
2,4-Dinitrotoluene	ND		0.813	2	06/08/2025 02:51	WG2533313
2,6-Dinitrotoluene	ND		0.813	2	06/08/2025 02:51	WG2533313
Hexachlorobenzene	ND		0.813	2	06/08/2025 02:51	WG2533313
Hexachloro-1,3-butadiene	ND		0.813	2	06/08/2025 02:51	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.813	2	06/08/2025 02:51	WG2533313
Hexachloroethane	ND		0.813	2	06/08/2025 02:51	WG2533313
Isophorone	ND		0.813	2	06/08/2025 02:51	WG2533313
Nitrobenzene	ND		0.813	2	06/08/2025 02:51	WG2533313
n-Nitrosodimethylamine	ND		0.813	2	06/08/2025 02:51	WG2533313
n-Nitrosodiphenylamine	ND		0.813	2	06/08/2025 02:51	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.813	2	06/08/2025 02:51	WG2533313
Phenanthrene	ND		0.0813	2	06/08/2025 02:51	WG2533313
Benzylbutyl phthalate	ND		0.813	2	06/08/2025 02:51	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.813	2	06/08/2025 02:51	WG2533313
Di-n-butyl phthalate	ND		0.813	2	06/08/2025 02:51	WG2533313
Diethyl phthalate	ND		0.813	2	06/08/2025 02:51	WG2533313
Dimethyl phthalate	ND		0.813	2	06/08/2025 02:51	WG2533313
Di-n-octyl phthalate	ND		0.813	2	06/08/2025 02:51	WG2533313
1,2,4-Trichlorobenzene	ND		0.813	2	06/08/2025 02:51	WG2533313
4-Chloro-3-methylphenol	ND		0.813	2	06/08/2025 02:51	WG2533313
2-Chlorophenol	ND		0.813	2	06/08/2025 02:51	WG2533313
2,4-Dichlorophenol	ND		0.813	2	06/08/2025 02:51	WG2533313
2,4-Dimethylphenol	ND		0.813	2	06/08/2025 02:51	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.813	2	06/08/2025 02:51	WG2533313
2,4-Dinitrophenol	ND		0.813	2	06/08/2025 02:51	WG2533313
2-Nitrophenol	ND		0.813	2	06/08/2025 02:51	WG2533313
4-Nitrophenol	ND		0.813	2	06/08/2025 02:51	WG2533313
Pentachlorophenol	ND		0.813	2	06/08/2025 02:51	WG2533313
Phenol	ND		0.813	2	06/08/2025 02:51	WG2533313
2,4,6-Trichlorophenol	ND		0.813	2	06/08/2025 02:51	WG2533313
(S) 2-Fluorophenol	63.9		12.0-120		06/08/2025 02:51	WG2533313
(S) Phenol-d5	52.5		10.0-120		06/08/2025 02:51	WG2533313
(S) Nitrobenzene-d5	53.9		10.0-122		06/08/2025 02:51	WG2533313
(S) 2-Fluorobiphenyl	62.9		15.0-120		06/08/2025 02:51	WG2533313
(S) 2,4,6-Tribromophenol	86.8		10.0-127		06/08/2025 02:51	WG2533313
(S) p-Terphenyl-d14	76.6		10.0-120		06/08/2025 02:51	WG2533313



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1867312-17 WG2533313: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Acenaphthene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Acenaphthylene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Benzo(a)anthracene	ND		0.00732	1	06/08/2025 01:21	WG2533320
Benzo(a)pyrene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Benzo(b)fluoranthene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Benzo(g,h,i)perylene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Benzo(k)fluoranthene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Chrysene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Dibenz(a,h)anthracene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Fluoranthene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Fluorene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Naphthalene	ND		0.00366	1	06/08/2025 01:21	WG2533320
Phenanthrene	ND		0.0403	1	06/08/2025 01:21	WG2533320
Pyrene	ND		0.0403	1	06/08/2025 01:21	WG2533320
1-Methylnaphthalene	ND		0.00366	1	06/08/2025 01:21	WG2533320
2-Methylnaphthalene	ND		0.0146	1	06/08/2025 01:21	WG2533320
(S) p-Terphenyl-d14	94.4		23.0-120		06/08/2025 01:21	WG2533320
(S) Nitrobenzene-d5	83.1		14.0-149		06/08/2025 01:21	WG2533320
(S) 2-Fluorobiphenyl	80.6		34.0-125		06/08/2025 01:21	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.03		1	06/12/2025 14:00	WG2536010

1
Cp

2
Tc

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2330		24.8	1	06/10/2025 13:33	WG2533329

3
Ss

4
Cn

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.6		1	06/07/2025 16:09	WG2533305

5
Ds

6
Sr

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.4	1	06/09/2025 23:03	WG2533835

7
Qc

8
Gl

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2320		124	5	06/10/2025 13:33	WG2533907

9
Al

10
Sc

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.248	1	06/10/2025 11:01	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.06		1	06/12/2025 07:43	WG2536694

Sample Narrative:

L1867312-18 WG2536694: 8.06 at 21.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	404	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:

L1867312-18 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		24.8	1	06/08/2025 01:17	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14600		500	5	06/08/2025 19:38	WG2533332

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.33		0.200	1	06/12/2025 03:02	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	9300		24.8	1	06/07/2025 21:32	WG2533358
Antimony	ND		2.48	1	06/07/2025 21:32	WG2533358
Beryllium	0.531		0.248	1	06/07/2025 21:32	WG2533358
Calcium	11100		124	1	06/07/2025 21:32	WG2533358
Chromium	9.11		1.24	1	06/07/2025 21:32	WG2533358
Cobalt	4.42		1.24	1	06/07/2025 21:32	WG2533358
Iron	12700		12.4	1	06/07/2025 21:32	WG2533358
Magnesium	3400		124	1	06/07/2025 21:32	WG2533358
Manganese	287		1.24	1	06/07/2025 21:32	WG2533358
Potassium	2990		124	1	06/07/2025 21:32	WG2533358
Sodium	125		124	1	06/07/2025 21:32	WG2533358
Thallium	ND		2.48	1	06/07/2025 21:32	WG2533358
Vanadium	20.0		2.48	1	06/07/2025 21:32	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.34		0.124	5	06/12/2025 19:57	WG2537275
Barium	87.2		12.4	5	06/12/2025 19:57	WG2537275
Cadmium	0.245		0.124	5	06/12/2025 19:57	WG2537275
Copper	13.2		12.4	5	06/12/2025 19:57	WG2537275
Lead	ND		12.4	5	06/12/2025 19:57	WG2537275
Nickel	ND		12.4	5	06/12/2025 19:57	WG2537275
Selenium	0.459		0.124	5	06/12/2025 19:57	WG2537275
Silver	ND		0.620	5	06/12/2025 19:57	WG2537275
Zinc	ND		62.0	5	06/12/2025 19:57	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.70	25	06/07/2025 19:41	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/07/2025 19:41	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0740	1	06/07/2025 16:20	WG2533297
Acrylonitrile	ND		0.0185	1	06/07/2025 16:20	WG2533297
Benzene	ND		0.00148	1	06/07/2025 16:20	WG2533297
Bromobenzene	ND		0.0185	1	06/07/2025 16:20	WG2533297
Bromodichloromethane	ND		0.00370	1	06/07/2025 16:20	WG2533297
Bromoform	ND		0.0370	1	06/07/2025 16:20	WG2533297
Bromomethane	ND	C3	0.0185	1	06/07/2025 16:20	WG2533297
n-Butylbenzene	ND		0.0185	1	06/07/2025 16:20	WG2533297
sec-Butylbenzene	ND		0.0185	1	06/07/2025 16:20	WG2533297
tert-Butylbenzene	ND		0.00740	1	06/07/2025 16:20	WG2533297
Carbon tetrachloride	ND		0.00740	1	06/07/2025 16:20	WG2533297
Chlorobenzene	ND		0.00370	1	06/07/2025 16:20	WG2533297
Chlorodibromomethane	ND		0.00370	1	06/07/2025 16:20	WG2533297

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00740	1	06/07/2025 16:20	WG2533297
Chloroform	0.00674	B	0.00370	1	06/07/2025 16:20	WG2533297
Chloromethane	ND	C3	0.0185	1	06/07/2025 16:20	WG2533297
2-Chlorotoluene	ND		0.00370	1	06/07/2025 16:20	WG2533297
4-Chlorotoluene	ND		0.00740	1	06/07/2025 16:20	WG2533297
1,2-Dibromo-3-Chloropropane	ND		0.0370	1	06/07/2025 16:20	WG2533297
1,2-Dibromoethane	ND		0.00370	1	06/07/2025 16:20	WG2533297
Dibromomethane	ND		0.00740	1	06/07/2025 16:20	WG2533297
1,2-Dichlorobenzene	ND		0.00740	1	06/07/2025 16:20	WG2533297
1,3-Dichlorobenzene	ND		0.00740	1	06/07/2025 16:20	WG2533297
1,4-Dichlorobenzene	ND		0.00740	1	06/07/2025 16:20	WG2533297
Dichlorodifluoromethane	ND	C3	0.00740	1	06/07/2025 16:20	WG2533297
1,1-Dichloroethane	ND		0.00370	1	06/07/2025 16:20	WG2533297
1,2-Dichloroethane	ND		0.00370	1	06/07/2025 16:20	WG2533297
1,1-Dichloroethene	ND		0.00370	1	06/07/2025 16:20	WG2533297
cis-1,2-Dichloroethene	ND		0.00370	1	06/07/2025 16:20	WG2533297
trans-1,2-Dichloroethene	ND		0.00740	1	06/07/2025 16:20	WG2533297
1,2-Dichloropropane	ND		0.00740	1	06/07/2025 16:20	WG2533297
1,1-Dichloropropene	ND		0.00370	1	06/07/2025 16:20	WG2533297
1,3-Dichloropropane	ND		0.00740	1	06/07/2025 16:20	WG2533297
cis-1,3-Dichloropropene	ND		0.00370	1	06/07/2025 16:20	WG2533297
trans-1,3-Dichloropropene	ND		0.00740	1	06/07/2025 16:20	WG2533297
2,2-Dichloropropane	ND		0.00370	1	06/07/2025 16:20	WG2533297
Di-isopropyl ether	ND		0.00148	1	06/07/2025 16:20	WG2533297
Ethylbenzene	ND		0.0148	1	06/07/2025 16:20	WG2533297
Hexachloro-1,3-butadiene	ND		0.0370	1	06/07/2025 16:20	WG2533297
Isopropylbenzene	ND		0.00370	1	06/07/2025 16:20	WG2533297
p-Isopropyltoluene	ND		0.00740	1	06/07/2025 16:20	WG2533297
2-Butanone (MEK)	ND		0.148	1	06/07/2025 16:20	WG2533297
Methylene Chloride	ND		0.0370	1	06/07/2025 16:20	WG2533297
4-Methyl-2-pentanone (MIBK)	ND		0.0370	1	06/07/2025 16:20	WG2533297
Methyl tert-butyl ether	ND		0.00148	1	06/07/2025 16:20	WG2533297
n-Propylbenzene	ND		0.00740	1	06/07/2025 16:20	WG2533297
Styrene	ND		0.0185	1	06/07/2025 16:20	WG2533297
1,1,1,2-Tetrachloroethane	ND		0.00370	1	06/07/2025 16:20	WG2533297
1,1,2,2-Tetrachloroethane	ND		0.00370	1	06/07/2025 16:20	WG2533297
1,1,2-Trichlorotrifluoroethane	ND		0.00370	1	06/07/2025 16:20	WG2533297
Tetrachloroethene	ND		0.00370	1	06/07/2025 16:20	WG2533297
Toluene	ND		0.0148	1	06/07/2025 16:20	WG2533297
1,2,3-Trichlorobenzene	ND		0.0185	1	06/07/2025 16:20	WG2533297
1,2,4-Trichlorobenzene	ND		0.0185	1	06/07/2025 16:20	WG2533297
1,1,1-Trichloroethane	ND		0.00370	1	06/07/2025 16:20	WG2533297
1,1,2-Trichloroethane	ND		0.00370	1	06/07/2025 16:20	WG2533297
Trichloroethene	ND		0.00148	1	06/07/2025 16:20	WG2533297
Trichlorofluoromethane	ND		0.00370	1	06/07/2025 16:20	WG2533297
1,2,3-Trichloropropane	ND		0.0185	1	06/07/2025 16:20	WG2533297
1,2,3-Trimethylbenzene	ND		0.00740	1	06/07/2025 16:20	WG2533297
1,2,4-Trimethylbenzene	ND		0.00740	1	06/07/2025 16:20	WG2533297
1,3,5-Trimethylbenzene	ND		0.00740	1	06/07/2025 16:20	WG2533297
Vinyl chloride	ND	C3	0.00370	1	06/07/2025 16:20	WG2533297
Xylenes, Total	ND		0.148	1	06/07/2025 16:20	WG2533297
(S) Toluene-d8	99.1		75.0-131		06/07/2025 16:20	WG2533297
(S) 4-Bromofluorobenzene	99.5		67.0-138		06/07/2025 16:20	WG2533297
(S) 1,2-Dichloroethane-d4	106		70.0-130		06/07/2025 16:20	WG2533297

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.44		4.96	1	06/08/2025 00:59	WG2533319
C28-C36 Motor Oil Range	65.5		4.96	1	06/08/2025 00:59	WG2533319
(S) o-Terphenyl	41.6		18.0-148		06/08/2025 00:59	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0826	2	06/08/2025 03:12	WG2533313
Benzidine	ND	J4	4.14	2	06/08/2025 03:12	WG2533313
Benzo(g,h,i)perylene	ND		0.0826	2	06/08/2025 03:12	WG2533313
Bis(2-chlorethoxy)methane	ND		0.826	2	06/08/2025 03:12	WG2533313
Bis(2-chloroethyl)ether	ND		0.826	2	06/08/2025 03:12	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.826	2	06/08/2025 03:12	WG2533313
4-Bromophenyl-phenylether	ND		0.826	2	06/08/2025 03:12	WG2533313
2-Chloronaphthalene	ND		0.0826	2	06/08/2025 03:12	WG2533313
4-Chlorophenyl-phenylether	ND		0.826	2	06/08/2025 03:12	WG2533313
1,2-Dichlorobenzene	ND		0.826	2	06/08/2025 03:12	WG2533313
1,3-Dichlorobenzene	ND		0.826	2	06/08/2025 03:12	WG2533313
1,4-Dichlorobenzene	ND		0.826	2	06/08/2025 03:12	WG2533313
3,3-Dichlorobenzidine	ND		0.826	2	06/08/2025 03:12	WG2533313
2,4-Dinitrotoluene	ND		0.826	2	06/08/2025 03:12	WG2533313
2,6-Dinitrotoluene	ND		0.826	2	06/08/2025 03:12	WG2533313
Hexachlorobenzene	ND		0.826	2	06/08/2025 03:12	WG2533313
Hexachloro-1,3-butadiene	ND		0.826	2	06/08/2025 03:12	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.826	2	06/08/2025 03:12	WG2533313
Hexachloroethane	ND		0.826	2	06/08/2025 03:12	WG2533313
Isophorone	ND		0.826	2	06/08/2025 03:12	WG2533313
Nitrobenzene	ND		0.826	2	06/08/2025 03:12	WG2533313
n-Nitrosodimethylamine	ND		0.826	2	06/08/2025 03:12	WG2533313
n-Nitrosodiphenylamine	ND		0.826	2	06/08/2025 03:12	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.826	2	06/08/2025 03:12	WG2533313
Phenanthrene	ND		0.0826	2	06/08/2025 03:12	WG2533313
Benzylbutyl phthalate	ND		0.826	2	06/08/2025 03:12	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.826	2	06/08/2025 03:12	WG2533313
Di-n-butyl phthalate	ND		0.826	2	06/08/2025 03:12	WG2533313
Diethyl phthalate	ND		0.826	2	06/08/2025 03:12	WG2533313
Dimethyl phthalate	ND		0.826	2	06/08/2025 03:12	WG2533313
Di-n-octyl phthalate	ND		0.826	2	06/08/2025 03:12	WG2533313
1,2,4-Trichlorobenzene	ND		0.826	2	06/08/2025 03:12	WG2533313
4-Chloro-3-methylphenol	ND		0.826	2	06/08/2025 03:12	WG2533313
2-Chlorophenol	ND		0.826	2	06/08/2025 03:12	WG2533313
2,4-Dichlorophenol	ND		0.826	2	06/08/2025 03:12	WG2533313
2,4-Dimethylphenol	ND		0.826	2	06/08/2025 03:12	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.826	2	06/08/2025 03:12	WG2533313
2,4-Dinitrophenol	ND		0.826	2	06/08/2025 03:12	WG2533313
2-Nitrophenol	ND		0.826	2	06/08/2025 03:12	WG2533313
4-Nitrophenol	ND		0.826	2	06/08/2025 03:12	WG2533313
Pentachlorophenol	ND		0.826	2	06/08/2025 03:12	WG2533313
Phenol	ND		0.826	2	06/08/2025 03:12	WG2533313
2,4,6-Trichlorophenol	ND		0.826	2	06/08/2025 03:12	WG2533313
(S) 2-Fluorophenol	65.3		12.0-120		06/08/2025 03:12	WG2533313
(S) Phenol-d5	53.2		10.0-120		06/08/2025 03:12	WG2533313
(S) Nitrobenzene-d5	52.1		10.0-122		06/08/2025 03:12	WG2533313
(S) 2-Fluorobiphenyl	59.5		15.0-120		06/08/2025 03:12	WG2533313
(S) 2,4,6-Tribromophenol	82.7		10.0-127		06/08/2025 03:12	WG2533313
(S) p-Terphenyl-d14	68.4		10.0-120		06/08/2025 03:12	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1867312-18 WG2533313: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Acenaphthene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Acenaphthylene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Benzo(a)anthracene	ND		0.00744	1	06/08/2025 01:39	WG2533320
Benzo(a)pyrene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Benzo(b)fluoranthene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Benzo(g,h,i)perylene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Benzo(k)fluoranthene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Chrysene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Dibenz(a,h)anthracene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Fluoranthene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Fluorene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Naphthalene	ND		0.00372	1	06/08/2025 01:39	WG2533320
Phenanthrene	ND		0.0409	1	06/08/2025 01:39	WG2533320
Pyrene	ND		0.0409	1	06/08/2025 01:39	WG2533320
1-Methylnaphthalene	ND		0.00372	1	06/08/2025 01:39	WG2533320
2-Methylnaphthalene	ND		0.0149	1	06/08/2025 01:39	WG2533320
(S) p-Terphenyl-d14	109		23.0-120		06/08/2025 01:39	WG2533320
(S) Nitrobenzene-d5	98.7		14.0-149		06/08/2025 01:39	WG2533320
(S) 2-Fluorobiphenyl	95.1		34.0-125		06/08/2025 01:39	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.847		1	06/12/2025 14:01	WG2536010

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1330		25.0	1	06/10/2025 13:35	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.9		1	06/07/2025 16:09	WG2533305

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12.5	1	06/09/2025 23:05	WG2533835

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1330		125	5	06/10/2025 13:35	WG2533907

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.250	1	06/10/2025 11:10	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.06		1	06/12/2025 07:43	WG2536694

Sample Narrative:

L1867312-19 WG2536694: 8.06 at 21.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	398	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:

L1867312-19 WG2536693: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		25.0	1	06/08/2025 01:34	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14700		500	5	06/08/2025 19:39	WG2533332

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.996		0.200	1	06/12/2025 03:04	WG2536066

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	13000		25.0	1	06/07/2025 21:34	WG2533358
Antimony	ND		2.50	1	06/07/2025 21:34	WG2533358
Beryllium	0.637		0.250	1	06/07/2025 21:34	WG2533358
Calcium	14000		125	1	06/07/2025 21:34	WG2533358
Chromium	12.6		1.25	1	06/07/2025 21:34	WG2533358
Cobalt	5.07		1.25	1	06/07/2025 21:34	WG2533358
Iron	13900		12.5	1	06/07/2025 21:34	WG2533358
Magnesium	4210		125	1	06/07/2025 21:34	WG2533358
Manganese	248		1.25	1	06/07/2025 21:34	WG2533358
Potassium	3460		125	1	06/07/2025 21:34	WG2533358
Sodium	160		125	1	06/07/2025 21:34	WG2533358
Thallium	ND		2.50	1	06/07/2025 21:34	WG2533358
Vanadium	24.4		2.50	1	06/07/2025 21:34	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.80		0.125	5	06/12/2025 20:00	WG2537275
Barium	122		12.5	5	06/12/2025 20:00	WG2537275
Cadmium	0.241		0.125	5	06/12/2025 20:00	WG2537275
Copper	13.5		12.5	5	06/12/2025 20:00	WG2537275
Lead	ND		12.5	5	06/12/2025 20:00	WG2537275
Nickel	ND		12.5	5	06/12/2025 20:00	WG2537275
Selenium	0.416		0.125	5	06/12/2025 20:00	WG2537275
Silver	ND		0.626	5	06/12/2025 20:00	WG2537275
Zinc	ND		62.6	5	06/12/2025 20:00	WG2537275

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.76	25	06/07/2025 20:03	WG2533275
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100		77.0-120		06/07/2025 20:03	WG2533275

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0752	1	06/07/2025 16:39	WG2533297
Acrylonitrile	ND		0.0188	1	06/07/2025 16:39	WG2533297
Benzene	ND		0.00150	1	06/07/2025 16:39	WG2533297
Bromobenzene	ND		0.0188	1	06/07/2025 16:39	WG2533297
Bromodichloromethane	ND		0.00376	1	06/07/2025 16:39	WG2533297
Bromoform	ND		0.0376	1	06/07/2025 16:39	WG2533297
Bromomethane	ND	C3	0.0188	1	06/07/2025 16:39	WG2533297
n-Butylbenzene	ND		0.0188	1	06/07/2025 16:39	WG2533297
sec-Butylbenzene	ND		0.0188	1	06/07/2025 16:39	WG2533297
tert-Butylbenzene	ND		0.00752	1	06/07/2025 16:39	WG2533297
Carbon tetrachloride	ND		0.00752	1	06/07/2025 16:39	WG2533297
Chlorobenzene	ND		0.00376	1	06/07/2025 16:39	WG2533297
Chlorodibromomethane	ND		0.00376	1	06/07/2025 16:39	WG2533297

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00752	1	06/07/2025 16:39	WG2533297
Chloroform	0.00632	B	0.00376	1	06/07/2025 16:39	WG2533297
Chloromethane	ND	C3	0.0188	1	06/07/2025 16:39	WG2533297
2-Chlorotoluene	ND		0.00376	1	06/07/2025 16:39	WG2533297
4-Chlorotoluene	ND		0.00752	1	06/07/2025 16:39	WG2533297
1,2-Dibromo-3-Chloropropane	ND		0.0376	1	06/07/2025 16:39	WG2533297
1,2-Dibromoethane	ND		0.00376	1	06/07/2025 16:39	WG2533297
Dibromomethane	ND		0.00752	1	06/07/2025 16:39	WG2533297
1,2-Dichlorobenzene	ND		0.00752	1	06/07/2025 16:39	WG2533297
1,3-Dichlorobenzene	ND		0.00752	1	06/07/2025 16:39	WG2533297
1,4-Dichlorobenzene	ND		0.00752	1	06/07/2025 16:39	WG2533297
Dichlorodifluoromethane	ND	C3	0.00752	1	06/07/2025 16:39	WG2533297
1,1-Dichloroethane	ND		0.00376	1	06/07/2025 16:39	WG2533297
1,2-Dichloroethane	ND		0.00376	1	06/07/2025 16:39	WG2533297
1,1-Dichloroethene	ND		0.00376	1	06/07/2025 16:39	WG2533297
cis-1,2-Dichloroethene	ND		0.00376	1	06/07/2025 16:39	WG2533297
trans-1,2-Dichloroethene	ND		0.00752	1	06/07/2025 16:39	WG2533297
1,2-Dichloropropane	ND		0.00752	1	06/07/2025 16:39	WG2533297
1,1-Dichloropropene	ND		0.00376	1	06/07/2025 16:39	WG2533297
1,3-Dichloropropane	ND		0.00752	1	06/07/2025 16:39	WG2533297
cis-1,3-Dichloropropene	ND		0.00376	1	06/07/2025 16:39	WG2533297
trans-1,3-Dichloropropene	ND		0.00752	1	06/07/2025 16:39	WG2533297
2,2-Dichloropropane	ND		0.00376	1	06/07/2025 16:39	WG2533297
Di-isopropyl ether	ND		0.00150	1	06/07/2025 16:39	WG2533297
Ethylbenzene	ND		0.0150	1	06/07/2025 16:39	WG2533297
Hexachloro-1,3-butadiene	ND		0.0376	1	06/07/2025 16:39	WG2533297
Isopropylbenzene	ND		0.00376	1	06/07/2025 16:39	WG2533297
p-Isopropyltoluene	ND		0.00752	1	06/07/2025 16:39	WG2533297
2-Butanone (MEK)	ND		0.150	1	06/07/2025 16:39	WG2533297
Methylene Chloride	ND		0.0376	1	06/07/2025 16:39	WG2533297
4-Methyl-2-pentanone (MIBK)	ND		0.0376	1	06/07/2025 16:39	WG2533297
Methyl tert-butyl ether	ND		0.00150	1	06/07/2025 16:39	WG2533297
n-Propylbenzene	ND		0.00752	1	06/07/2025 16:39	WG2533297
Styrene	ND		0.0188	1	06/07/2025 16:39	WG2533297
1,1,1,2-Tetrachloroethane	ND		0.00376	1	06/07/2025 16:39	WG2533297
1,1,2,2-Tetrachloroethane	ND		0.00376	1	06/07/2025 16:39	WG2533297
1,1,2-Trichlorotrifluoroethane	ND		0.00376	1	06/07/2025 16:39	WG2533297
Tetrachloroethene	ND		0.00376	1	06/07/2025 16:39	WG2533297
Toluene	ND		0.0150	1	06/07/2025 16:39	WG2533297
1,2,3-Trichlorobenzene	ND		0.0188	1	06/07/2025 16:39	WG2533297
1,2,4-Trichlorobenzene	ND		0.0188	1	06/07/2025 16:39	WG2533297
1,1,1-Trichloroethane	ND		0.00376	1	06/07/2025 16:39	WG2533297
1,1,2-Trichloroethane	ND		0.00376	1	06/07/2025 16:39	WG2533297
Trichloroethene	ND		0.00150	1	06/07/2025 16:39	WG2533297
Trichlorofluoromethane	ND		0.00376	1	06/07/2025 16:39	WG2533297
1,2,3-Trichloropropane	ND		0.0188	1	06/07/2025 16:39	WG2533297
1,2,3-Trimethylbenzene	ND		0.00752	1	06/07/2025 16:39	WG2533297
1,2,4-Trimethylbenzene	ND		0.00752	1	06/07/2025 16:39	WG2533297
1,3,5-Trimethylbenzene	ND		0.00752	1	06/07/2025 16:39	WG2533297
Vinyl chloride	ND	C3	0.00376	1	06/07/2025 16:39	WG2533297
Xylenes, Total	ND		0.150	1	06/07/2025 16:39	WG2533297
(S) Toluene-d8	98.7		75.0-131		06/07/2025 16:39	WG2533297
(S) 4-Bromofluorobenzene	98.6		67.0-138		06/07/2025 16:39	WG2533297
(S) 1,2-Dichloroethane-d4	102		70.0-130		06/07/2025 16:39	WG2533297

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		5.01	1	06/08/2025 01:56	WG2533319
C28-C36 Motor Oil Range	18.4		5.01	1	06/08/2025 01:56	WG2533319
(S) o-Terphenyl	50.3		18.0-148		06/08/2025 01:56	WG2533319

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0417	1	06/07/2025 22:06	WG2533313
Benzidine	ND	J4	2.09	1	06/07/2025 22:06	WG2533313
Benzo(g,h,i)perylene	ND		0.0417	1	06/07/2025 22:06	WG2533313
Bis(2-chlorethoxy)methane	ND		0.417	1	06/07/2025 22:06	WG2533313
Bis(2-chloroethyl)ether	ND		0.417	1	06/07/2025 22:06	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.417	1	06/07/2025 22:06	WG2533313
4-Bromophenyl-phenylether	ND		0.417	1	06/07/2025 22:06	WG2533313
2-Chloronaphthalene	ND		0.0417	1	06/07/2025 22:06	WG2533313
4-Chlorophenyl-phenylether	ND		0.417	1	06/07/2025 22:06	WG2533313
1,2-Dichlorobenzene	ND		0.417	1	06/07/2025 22:06	WG2533313
1,3-Dichlorobenzene	ND		0.417	1	06/07/2025 22:06	WG2533313
1,4-Dichlorobenzene	ND		0.417	1	06/07/2025 22:06	WG2533313
3,3-Dichlorobenzidine	ND		0.417	1	06/07/2025 22:06	WG2533313
2,4-Dinitrotoluene	ND		0.417	1	06/07/2025 22:06	WG2533313
2,6-Dinitrotoluene	ND		0.417	1	06/07/2025 22:06	WG2533313
Hexachlorobenzene	ND		0.417	1	06/07/2025 22:06	WG2533313
Hexachloro-1,3-butadiene	ND		0.417	1	06/07/2025 22:06	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.417	1	06/07/2025 22:06	WG2533313
Hexachloroethane	ND		0.417	1	06/07/2025 22:06	WG2533313
Isophorone	ND		0.417	1	06/07/2025 22:06	WG2533313
Nitrobenzene	ND		0.417	1	06/07/2025 22:06	WG2533313
n-Nitrosodimethylamine	ND		0.417	1	06/07/2025 22:06	WG2533313
n-Nitrosodiphenylamine	ND		0.417	1	06/07/2025 22:06	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.417	1	06/07/2025 22:06	WG2533313
Phenanthrene	ND		0.0417	1	06/07/2025 22:06	WG2533313
Benzylbutyl phthalate	ND		0.417	1	06/07/2025 22:06	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.417	1	06/07/2025 22:06	WG2533313
Di-n-butyl phthalate	ND		0.417	1	06/07/2025 22:06	WG2533313
Diethyl phthalate	ND		0.417	1	06/07/2025 22:06	WG2533313
Dimethyl phthalate	ND		0.417	1	06/07/2025 22:06	WG2533313
Di-n-octyl phthalate	ND		0.417	1	06/07/2025 22:06	WG2533313
1,2,4-Trichlorobenzene	ND		0.417	1	06/07/2025 22:06	WG2533313
4-Chloro-3-methylphenol	ND		0.417	1	06/07/2025 22:06	WG2533313
2-Chlorophenol	ND		0.417	1	06/07/2025 22:06	WG2533313
2,4-Dichlorophenol	ND		0.417	1	06/07/2025 22:06	WG2533313
2,4-Dimethylphenol	ND		0.417	1	06/07/2025 22:06	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.417	1	06/07/2025 22:06	WG2533313
2,4-Dinitrophenol	ND		0.417	1	06/07/2025 22:06	WG2533313
2-Nitrophenol	ND		0.417	1	06/07/2025 22:06	WG2533313
4-Nitrophenol	ND		0.417	1	06/07/2025 22:06	WG2533313
Pentachlorophenol	ND		0.417	1	06/07/2025 22:06	WG2533313
Phenol	ND		0.417	1	06/07/2025 22:06	WG2533313
2,4,6-Trichlorophenol	ND		0.417	1	06/07/2025 22:06	WG2533313
(S) 2-Fluorophenol	72.5		12.0-120		06/07/2025 22:06	WG2533313
(S) Phenol-d5	64.2		10.0-120		06/07/2025 22:06	WG2533313
(S) Nitrobenzene-d5	67.1		10.0-122		06/07/2025 22:06	WG2533313
(S) 2-Fluorobiphenyl	70.1		15.0-120		06/07/2025 22:06	WG2533313
(S) 2,4,6-Tribromophenol	88.4		10.0-127		06/07/2025 22:06	WG2533313
(S) p-Terphenyl-d14	74.6		10.0-120		06/07/2025 22:06	WG2533313

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Acenaphthene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Acenaphthylene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Benzo(a)anthracene	ND		0.00751	1	06/08/2025 01:57	WG2533320
Benzo(a)pyrene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Benzo(b)fluoranthene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Benzo(g,h,i)perylene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Benzo(k)fluoranthene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Chrysene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Dibenz(a,h)anthracene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Fluoranthene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Fluorene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Naphthalene	ND		0.00376	1	06/08/2025 01:57	WG2533320
Phenanthrene	ND		0.0413	1	06/08/2025 01:57	WG2533320
Pyrene	ND		0.0413	1	06/08/2025 01:57	WG2533320
1-Methylnaphthalene	ND		0.00376	1	06/08/2025 01:57	WG2533320
2-Methylnaphthalene	ND		0.0150	1	06/08/2025 01:57	WG2533320
(S) p-Terphenyl-d14	99.0		23.0-120		06/08/2025 01:57	WG2533320
(S) Nitrobenzene-d5	94.5		14.0-149		06/08/2025 01:57	WG2533320
(S) 2-Fluorobiphenyl	83.1		34.0-125		06/08/2025 01:57	WG2533320

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/07/2025 17:37	WG2533281
Acrolein	ND		0.0500	1	06/07/2025 17:37	WG2533281
Acrylonitrile	ND		0.0100	1	06/07/2025 17:37	WG2533281
Benzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Bromobenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Bromodichloromethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
Bromoform	ND	C3	0.00100	1	06/07/2025 17:37	WG2533281
Bromomethane	ND	C3	0.00500	1	06/07/2025 17:37	WG2533281
n-Butylbenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
sec-Butylbenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
tert-Butylbenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Carbon tetrachloride	ND		0.00100	1	06/07/2025 17:37	WG2533281
Chlorobenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Chlorodibromomethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
Chloroethane	ND	C3	0.00500	1	06/07/2025 17:37	WG2533281
Chloroform	ND		0.00500	1	06/07/2025 17:37	WG2533281
Chloromethane	ND		0.00250	1	06/07/2025 17:37	WG2533281
2-Chlorotoluene	ND		0.00100	1	06/07/2025 17:37	WG2533281
4-Chlorotoluene	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,2-Dibromo-3-Chloropropane	ND	C3	0.00500	1	06/07/2025 17:37	WG2533281
1,2-Dibromoethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
Dibromomethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,2-Dichlorobenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,3-Dichlorobenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,4-Dichlorobenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Dichlorodifluoromethane	ND	C3	0.00500	1	06/07/2025 17:37	WG2533281
1,1-Dichloroethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,2-Dichloroethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,1-Dichloroethene	ND		0.00100	1	06/07/2025 17:37	WG2533281
cis-1,2-Dichloroethene	ND		0.00100	1	06/07/2025 17:37	WG2533281
trans-1,2-Dichloroethene	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,2-Dichloropropane	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,1-Dichloropropene	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,3-Dichloropropane	ND		0.00100	1	06/07/2025 17:37	WG2533281
cis-1,3-Dichloropropene	ND		0.00100	1	06/07/2025 17:37	WG2533281
trans-1,3-Dichloropropene	ND		0.00100	1	06/07/2025 17:37	WG2533281
2,2-Dichloropropane	ND		0.00100	1	06/07/2025 17:37	WG2533281
Di-isopropyl ether	ND		0.00100	1	06/07/2025 17:37	WG2533281
Ethylbenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Hexachloro-1,3-butadiene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Isopropylbenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
p-Isopropyltoluene	ND		0.00100	1	06/07/2025 17:37	WG2533281
2-Butanone (MEK)	ND		0.0100	1	06/07/2025 17:37	WG2533281
Methylene Chloride	ND		0.00500	1	06/07/2025 17:37	WG2533281
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/07/2025 17:37	WG2533281
Methyl tert-butyl ether	ND		0.00100	1	06/07/2025 17:37	WG2533281
Naphthalene	ND	C3	0.00500	1	06/07/2025 17:37	WG2533281
n-Propylbenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Styrene	ND	C3	0.00100	1	06/07/2025 17:37	WG2533281
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
Tetrachloroethene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Toluene	ND	C3	0.00100	1	06/07/2025 17:37	WG2533281
1,2,3-Trichlorobenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,2,4-Trichlorobenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,1,2-Trichloroethane	ND		0.00100	1	06/07/2025 17:37	WG2533281
Trichloroethene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Trichlorofluoromethane	ND	C3	0.00500	1	06/07/2025 17:37	WG2533281
1,2,3-Trichloropropane	ND		0.00250	1	06/07/2025 17:37	WG2533281
1,2,4-Trimethylbenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,2,3-Trimethylbenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
1,3,5-Trimethylbenzene	ND		0.00100	1	06/07/2025 17:37	WG2533281
Vinyl chloride	ND	C3 J4	0.00100	1	06/07/2025 17:37	WG2533281
Xylenes, Total	ND		0.00300	1	06/07/2025 17:37	WG2533281
(S) Toluene-d8	102		80.0-120		06/07/2025 17:37	WG2533281
(S) 4-Bromofluorobenzene	96.7		77.0-126		06/07/2025 17:37	WG2533281
(S) 1,2-Dichloroethane-d4	108		70.0-130		06/07/2025 17:37	WG2533281

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/g		+ / -	+ / -	pCi/g	pCi/g	date / time	
Actinium-228 (Ra-228)	0.811		0.251	0.251	0.467	0.202	06/10/2025 10:43	WG2534740
Bismuth-214 (Ra-226)	0.704		0.184	0.184	0.239	0.105	06/10/2025 10:43	WG2534740
Lead-214	0.698		0.153	0.153	0.240	0.108	06/10/2025 10:43	WG2534740
Thorium-234 (U-238)	1.35	J	1.08	1.08	2.06	0.807	06/10/2025 10:43	WG2534740
Radium-226 (186 KeV)	1.68		0.697	0.697	1.14	0.523	06/10/2025 10:43	WG2534740

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.964		0.262	0.262	0.447	0.194	06/10/2025 10:43	WG2534740
Bismuth-214 (Ra-226)	0.830		0.179	0.179	0.215	0.0952	06/10/2025 10:43	WG2534740
Lead-214	1.24		0.160	0.160	0.211	0.0957	06/10/2025 10:43	WG2534740
Thorium-234 (U-238)	0.0825	<u>U</u>	0.657	0.657	1.62	0.645	06/10/2025 10:43	WG2534740
Radium-226 (186 KeV)	1.13		0.609	0.609	0.974	0.451	06/10/2025 10:43	WG2534740

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.956		0.332	0.332	0.640	0.264	06/10/2025 10:44	WG2534740
Bismuth-214 (Ra-226)	0.875		0.242	0.242	0.291	0.122	06/10/2025 10:44	WG2534740
Lead-214	0.976		0.206	0.206	0.293	0.129	06/10/2025 10:44	WG2534740
Thorium-234 (U-238)	0.847	U	0.791	0.791	1.94	0.771	06/10/2025 10:44	WG2534740
Radium-226 (186 KeV)	0.791	U	0.989	0.989	1.70	0.792	06/10/2025 10:44	WG2534740

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.02		0.211	0.211	0.285	0.122	06/10/2025 10:45	WG2534740
Bismuth-214 (Ra-226)	0.716		0.141	0.141	0.161	0.0714	06/10/2025 10:45	WG2534740
Lead-214	0.837		0.121	0.121	0.130	0.0587	06/10/2025 10:45	WG2534740
Thorium-234 (U-238)	0.581	J	0.504	0.504	1.07	0.426	06/10/2025 10:45	WG2534740
Radium-226 (186 KeV)	1.68		0.547	0.547	0.818	0.383	06/10/2025 10:45	WG2534740

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.941		0.260	0.260	0.460	0.200	06/10/2025 11:26	WG2534740
Bismuth-214 (Ra-226)	0.842		0.191	0.191	0.243	0.108	06/10/2025 11:26	WG2534740
Lead-214	0.737		0.159	0.159	0.243	0.110	06/10/2025 11:26	WG2534740
Thorium-234 (U-238)	1.35	U	0.958	0.958	1.89	0.759	06/10/2025 11:26	WG2534740
Radium-226 (186 KeV)	0.859	U	0.737	0.737	1.30	0.610	06/10/2025 11:26	WG2534740

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.735		0.184	0.184	0.293	0.128	06/10/2025 11:27	WG2534740
Bismuth-214 (Ra-226)	0.679		0.141	0.141	0.175	0.0790	06/10/2025 11:27	WG2534740
Lead-214	0.793		0.153	0.153	0.183	0.0843	06/10/2025 11:27	WG2534740
Thorium-234 (U-238)	1.22	J	1.07	1.07	2.14	0.854	06/10/2025 11:27	WG2534740
Radium-226 (186 KeV)	1.17		0.610	0.610	1.07	0.503	06/10/2025 11:27	WG2534740

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.849	J	0.389	0.389	0.882	0.398	06/10/2025 11:28	WG2534740
Bismuth-214 (Ra-226)	0.768		0.238	0.238	0.344	0.154	06/10/2025 11:28	WG2534740
Lead-214	1.22		0.240	0.240	0.336	0.153	06/10/2025 11:28	WG2534740
Thorium-234 (U-238)	-0.254	U	1.74	1.74	3.97	1.58	06/10/2025 11:28	WG2534740
Radium-226 (186 KeV)	2.61		1.23	1.23	2.11	0.988	06/10/2025 11:28	WG2534740

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.992		0.255	0.255	0.400	0.170	06/10/2025 11:30	WG2534740
Bismuth-214 (Ra-226)	0.779		0.184	0.184	0.229	0.101	06/10/2025 11:30	WG2534740
Lead-214	1.33		0.172	0.172	0.226	0.103	06/10/2025 11:30	WG2534740
Thorium-234 (U-238)	0.394	<u>U</u>	0.720	0.720	1.70	0.676	06/10/2025 11:30	WG2534740
Radium-226 (186 KeV)	1.90		0.716	0.716	1.08	0.504	06/10/2025 11:30	WG2534740

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.12		0.357	0.357	0.638	0.265	06/10/2025 11:31	WG2534740
Bismuth-214 (Ra-226)	1.36		0.283	0.283	0.288	0.121	06/10/2025 11:31	WG2534740
Lead-214	0.887		0.208	0.208	0.314	0.141	06/10/2025 11:31	WG2534740
Thorium-234 (U-238)	0.659	U	0.790	0.790	1.89	0.750	06/10/2025 11:31	WG2534740
Radium-226 (186 KeV)	1.34	U	0.975	0.975	1.61	0.750	06/10/2025 11:31	WG2534740

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.05		0.273	0.273	0.439	0.186	06/10/2025 11:32	WG2534740
Bismuth-214 (Ra-226)	0.856		0.187	0.187	0.215	0.0932	06/10/2025 11:32	WG2534740
Lead-214	0.711		0.147	0.147	0.226	0.103	06/10/2025 11:32	WG2534740
Thorium-234 (U-238)	1.08	J	0.773	0.773	1.46	0.576	06/10/2025 11:32	WG2534740
Radium-226 (186 KeV)	1.31		0.751	0.751	1.23	0.573	06/10/2025 11:32	WG2534740

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.899		0.288	0.288	0.538	0.233	06/10/2025 11:47	WG2534740
Bismuth-214 (Ra-226)	0.958		0.217	0.217	0.261	0.114	06/10/2025 11:47	WG2534740
Lead-214	0.875		0.179	0.179	0.258	0.116	06/10/2025 11:47	WG2534740
Thorium-234 (U-238)	0.713	<u>U</u>	1.11	1.11	2.31	0.905	06/10/2025 11:47	WG2534740
Radium-226 (186 KeV)	1.58		0.751	0.751	1.26	0.577	06/10/2025 11:47	WG2534740

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.02		0.306	0.306	0.556	0.241	06/10/2025 12:44	WG2534740
Bismuth-214 (Ra-226)	0.713		0.211	0.211	0.301	0.133	06/10/2025 12:44	WG2534740
Lead-214	0.719		0.183	0.183	0.309	0.141	06/10/2025 12:44	WG2534740
Thorium-234 (U-238)	1.17	U	1.04	1.04	2.34	0.938	06/10/2025 12:44	WG2534740
Radium-226 (186 KeV)	1.45	U	0.858	0.858	1.46	0.679	06/10/2025 12:44	WG2534740

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.879		0.190	0.190	0.263	0.113	06/10/2025 12:44	WG2534740
Bismuth-214 (Ra-226)	0.613		0.139	0.139	0.191	0.0864	06/10/2025 12:44	WG2534740
Lead-214	0.855		0.160	0.160	0.188	0.0863	06/10/2025 12:44	WG2534740
Thorium-234 (U-238)	0.0362	<u>U</u>	0.987	0.987	2.27	0.907	06/10/2025 12:44	WG2534740
Radium-226 (186 KeV)	1.67		0.638	0.638	1.06	0.500	06/10/2025 12:44	WG2534740

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.802		0.309	0.309	0.608	0.270	06/10/2025 12:45	WG2534740
Bismuth-214 (Ra-226)	0.691		0.209	0.209	0.304	0.137	06/10/2025 12:45	WG2534740
Lead-214	0.691		0.177	0.177	0.273	0.124	06/10/2025 12:45	WG2534740
Thorium-234 (U-238)	1.78	U	1.45	1.45	2.76	1.09	06/10/2025 12:45	WG2534740
Radium-226 (186 KeV)	0.505	U	0.909	0.909	1.72	0.807	06/10/2025 12:45	WG2534740

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	1.04		0.229	0.229	0.380	0.170	06/10/2025 12:45	WG2534740
Bismuth-214 (Ra-226)	0.593		0.150	0.150	0.220	0.101	06/10/2025 12:45	WG2534740
Lead-214	0.630		0.134	0.134	0.207	0.0952	06/10/2025 12:45	WG2534740
Thorium-234 (U-238)	-1.46	U	1.26	1.26	2.72	1.08	06/10/2025 12:45	WG2534740
Radium-226 (186 KeV)	1.11	U	0.719	0.719	1.30	0.610	06/10/2025 12:45	WG2534740

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/g		+ / -	+ / -	pCi/g	pCi/g	date / time	
Actinium-228 (Ra-228)	0.982		0.261	0.261	0.380	0.159	06/10/2025 12:45	WG2534740
Bismuth-214 (Ra-226)	0.833		0.186	0.186	0.224	0.0983	06/10/2025 12:45	WG2534740
Lead-214	0.898		0.157	0.157	0.188	0.0829	06/10/2025 12:45	WG2534740
Thorium-234 (U-238)	1.71	U	1.12	1.12	1.91	0.745	06/10/2025 12:45	WG2534740
Radium-226 (186 KeV)	1.04	U	0.663	0.663	1.17	0.540	06/10/2025 12:45	WG2534740

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4228175-1 06/10/25 10:36

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	-0.0869	⌋	0.226	0.592	0.247
Americium-241	0.0760	⌋	0.195	0.370	0.173
Bismuth-214 (Ra-226)	0.0221	⌋	0.156	0.351	0.152
Cesium-137	-0.0349	⌋	0.0952	0.202	0.0877
Cobalt-60	-0.000373	⌋	0.0455	0.168	0.0648
Lead-214	-0.0758	⌋	0.121	0.314	0.138
Radium-226 (186 KeV)	1.26	⌋	0.801	1.35	0.606
Thorium-234 (U-238)	1.07	⌋	0.909	2.18	0.853

L1867308-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1867308-02 06/10/25 10:42 • (DUP) R4228175-3 06/10/25 11:29

Analyte	Original Result pCi/g	Original 2 sigma CE + / -	Original MDA pCi/g	Original Lc pCi/g	DUP Result pCi/g	DUP 2 sigma CE + / -	DUP MDA pCi/g	DUP Lc pCi/g	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Actinium-228 (Ra-228)	0.783	0.350	0.775	0.348	0.993	0.245	0.449	0.201	23.7	0.494		20	3
Bismuth-214 (Ra-226)	0.752	0.224	0.323	0.144	0.569	0.157	0.233	0.106	27.7	0.669		20	3
Lead-214	0.708	0.193	0.310	0.141	0.559	0.142	0.240	0.111	23.5	0.623		20	3
Radium-226 (186 KeV)	1.08	0.964	1.76	0.820	0.801	0.809	1.51	0.710	29.8	0.223	⌋	20	3
Thorium-234 (U-238)	0.883	1.55	3.30	1.31	-0.451	1.34	2.96	1.17	200	0.653	⌋	20	3

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

(LCS) R4228175-2 06/10/25 10:37 • (LCSD) R4228175-4 06/10/25 11:29

Analyte	Spike Amount pCi/g	LCS Result pCi/g	LCSD Result pCi/g	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Americium-241	36.9	32.8	39.3	88.8	106	80.0-120			18.0	20
Cesium-137	53.8	58.0	58.4	108	109	80.0-120			0.756	20
Cobalt-60	62.9	66.9	67.1	106	107	80.0-120			0.388	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4227230-1 06/07/25 15:56

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1867312-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-09 06/07/25 15:56 • (DUP) R4227230-3 06/07/25 15:56

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	82.0	81.0	1	1.23		10

Laboratory Control Sample (LCS)

(LCS) R4227230-2 06/07/25 15:56

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

Method Blank (MB)

(MB) R4227231-1 06/07/25 16:09

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

L1867312-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-13 06/07/25 16:09 • (DUP) R4227231-3 06/07/25 16:09

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	85.5	84.9	1	0.626		10

Laboratory Control Sample (LCS)

(LCS) R4227231-2 06/07/25 16:09

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4227882-1 06/09/25 22:23

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Ammonia Nitrogen	U		7.19	10.0

L1867310-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867310-01 06/09/25 22:27 • (DUP) R4227882-3 06/09/25 22:29

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Ammonia Nitrogen	ND	ND	1	0.000		20

L1867315-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1867315-03 06/09/25 23:08 • (DUP) R4227882-6 06/09/25 23:09

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Ammonia Nitrogen	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4227882-2 06/09/25 22:24

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Ammonia Nitrogen	250	246	98.5	90.0-110	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/09/25 22:45 • (MS) R4227882-4 06/09/25 22:47 • (MSD) R4227882-5 06/09/25 22:48

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Ammonia Nitrogen	305	ND	325	327	107	107	1	90.0-110			0.473	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4228114-1 06/10/25 09:37

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Kjeldahl Nitrogen, TKN	U		15.2	20.0

L1866798-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1866798-09 06/10/25 09:45 • (DUP) R4228114-3 06/10/25 09:47

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	1180	1050	5	11.9		20

L1866798-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1866798-11 06/10/25 09:52 • (DUP) R4228114-5 06/10/25 09:54

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	1390	1240	5	11.5		20

Laboratory Control Sample (LCS)

(LCS) R4228114-2 06/10/25 09:39

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Kjeldahl Nitrogen, TKN	624	669	107	81.7-124	

L1866798-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1866798-10 06/10/25 09:49 • (MS) R4228114-4 06/10/25 09:50

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Kjeldahl Nitrogen, TKN	476	873	1300	90.0	1	81.7-124	E

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1866798-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866798-17 06/10/25 10:02 • (MS) R4228114-6 06/10/25 10:04 • (MSD) R4228114-7 06/10/25 10:06

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Kjeldahl Nitrogen, TKN	468	1070	1270	1430	42.7	78.3	1	81.7-124	<u>E J6</u>	<u>E J6</u>	12.4	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4228276-1 06/10/25 13:09

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Kjeldahl Nitrogen, TKN	U		15.2	20.0

L1867312-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-07 06/10/25 13:12 • (DUP) R4228276-3 06/10/25 13:14

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	1450	1390	5	4.20		20

L1867312-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-11 06/10/25 13:20 • (DUP) R4228276-5 06/10/25 13:22

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	1880	1700	5	10.1		20

Laboratory Control Sample (LCS)

(LCS) R4228276-2 06/10/25 13:10

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Kjeldahl Nitrogen, TKN	624	652	104	81.7-124	

L1867312-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1867312-08 06/10/25 13:16 • (MS) R4228276-4 06/10/25 13:18

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Kjeldahl Nitrogen, TKN	466	496	780	61.0	1	81.7-124	<u>J6</u>

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4228132-1 06/10/25 11:51

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Kjeldahl Nitrogen, TKN	U		15.2	20.0

L1867315-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1867315-14 06/10/25 12:01 • (DUP) R4228132-5 06/10/25 12:03

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Kjeldahl Nitrogen, TKN	1260	1420	5	12.1		20

Laboratory Control Sample (LCS)

(LCS) R4228132-2 06/10/25 11:53

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Kjeldahl Nitrogen, TKN	624	610	97.8	81.7-124	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/10/25 11:55 • (MS) R4228132-3 06/10/25 11:57 • (MSD) R4228132-4 06/10/25 11:59

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Kjeldahl Nitrogen, TKN	488	1960	1760	1810	0.000	0.000	1	81.7-124	E V	E V	3.16	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4228077-1 06/09/25 23:00

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Hexavalent Chromium	U		0.200	0.200

L1867308-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867308-01 06/09/25 23:21 • (DUP) R4228077-3 06/09/25 23:31

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4228077-2 06/09/25 23:11

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	10.2	102	80.0-120	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/10/25 01:37 • (MS) R4228077-8 06/10/25 08:46 • (MSD) R4228077-9 06/10/25 08:57

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	24.4	ND	14.3	18.0	58.7	73.9	1	75.0-125	J6	J3 J6	23.0	20

L1867312-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1867312-09 06/10/25 01:37 • (MS) R4228077-4 06/10/25 02:30

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	788	ND	709	90.0	50	75.0-125	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1867312-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-01 06/12/25 08:20 • (DUP) R4229222-2 06/12/25 08:20

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.94	7.96	1	0.252		1

Sample Narrative:

OS: 7.94 at 21.7C

DUP: 7.96 at 21.4C

L1867315-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1867315-19 06/12/25 08:20 • (DUP) R4229222-3 06/12/25 08:20

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.67	7.66	1	0.130		1

Sample Narrative:

OS: 7.67 at 21.6C

DUP: 7.66 at 21.4C

Laboratory Control Sample (LCS)

(LCS) R4229222-1 06/12/25 08:20

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10.02 at 20.8C

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1866520-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1866520-01 06/12/25 07:43 • (DUP) R4229244-2 06/12/25 07:43

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	8.10	8.09	1	0.124		1

Sample Narrative:

OS: 8.1 at 20.4C

DUP: 8.09 at 21C

L1867312-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-19 06/12/25 07:43 • (DUP) R4229244-3 06/12/25 07:43

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	8.06	8.07	1	0.124		1

Sample Narrative:

OS: 8.06 at 21.1C

DUP: 8.07 at 21.3C

Laboratory Control Sample (LCS)

(LCS) R4229244-1 06/12/25 07:43

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10.04 at 21.2C

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4229337-1 06/12/25 12:35

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:

BLANK: at 25C

L1867312-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-02 06/12/25 12:35 • (DUP) R4229337-3 06/12/25 12:35

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	364	365	1	0.274		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1867315-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1867315-18 06/12/25 12:35 • (DUP) R4229337-4 06/12/25 12:35

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	4040	4030	1	0.248		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4229337-2 06/12/25 12:35

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	585	101	90.0-110	

Sample Narrative:

LCS: at 25C

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4229435-1 06/12/25 14:42

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:

BLANK: at 25C

L1866520-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1866520-02 06/12/25 14:42 • (DUP) R4229435-3 06/12/25 14:42

Analyte	Original Result mmhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	1320	1	0.000		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1867312-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-18 06/12/25 14:42 • (DUP) R4229435-4 06/12/25 14:42

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	404	404	1	0.000		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4229435-2 06/12/25 14:42

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	572	98.5	90.0-110	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4227260-1 06/07/25 19:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	0.829	⬇	0.606	20.0

Laboratory Control Sample (LCS)

(LCS) R4227260-2 06/07/25 19:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	37.4	93.5	80.0-120	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 22:18 • (MS) R4227260-3 06/07/25 22:34 • (MSD) R4227260-4 06/07/25 22:50

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 %
Nitrate-Nitrite	48.8	ND	46.6	44.8	93.9	90.3	1	80.0-120			3.87	15

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4227358-1 06/08/25 19:32

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
TOC By Walkley Black	U		25.5	100

L1867308-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867308-01 06/08/25 19:32 • (DUP) R4227358-3 06/08/25 19:33

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	20500	21300	5	4.28		20

L1867312-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-19 06/08/25 19:39 • (DUP) R4227358-6 06/08/25 19:39

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	14700	15400	5	4.84		20

Laboratory Control Sample (LCS)

(LCS) R4227358-2 06/08/25 19:32

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/kg	mg/kg	%	%	
TOC By Walkley Black	3230	3280	102	75.0-144	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/08/25 19:35 • (MS) R4227358-4 06/08/25 19:35 • (MSD) R4227358-5 06/08/25 19:36

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TOC By Walkley Black	20000	19000	35600	35900	83.0	84.4	5	80.0-120			0.796	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4229238-1 06/12/25 01:56

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0167	0.200

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

(LCS) R4229238-2 06/12/25 01:59 • (LCSD) R4229238-3 06/12/25 02:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.05	1.01	105	101	80.0-120			3.76	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4227166-1 06/07/25 20:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aluminum	U		6.08	20.0
Antimony	U		0.691	2.00
Beryllium	U		0.0477	0.200
Calcium	U		19.0	100
Chromium	U		0.214	1.00
Cobalt	U		0.177	1.00
Iron	U		2.24	10.0
Magnesium	U		19.9	100
Manganese	U		0.173	1.00
Potassium	U		20.9	100
Sodium	U		41.2	100
Thallium	U		0.518	2.00
Vanadium	U		0.383	2.00

Laboratory Control Sample (LCS)

(LCS) R4227166-2 06/07/25 20:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	987	98.7	80.0-120	
Antimony	100	100	100	80.0-120	
Beryllium	100	103	103	80.0-120	
Calcium	1000	1030	103	80.0-120	
Chromium	100	107	107	80.0-120	
Cobalt	100	100	100	80.0-120	
Iron	1000	1040	104	80.0-120	
Magnesium	1000	984	98.4	80.0-120	
Manganese	100	107	107	80.0-120	
Potassium	1000	998	99.8	80.0-120	
Sodium	1000	1030	103	80.0-120	
Thallium	100	103	103	80.0-120	
Vanadium	100	99.7	99.7	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 20:49 • (MS) R4227166-5 06/07/25 20:54 • (MSD) R4227166-6 06/07/25 20:56

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Aluminum	1220	11300	11400	10700	6.67	0.000	1	75.0-125	V	V	6.60	20
Antimony	122	ND	82.5	85.4	67.6	70.0	1	75.0-125	J6	J6	3.48	20
Beryllium	122	0.688	113	117	92.1	95.0	1	75.0-125			3.09	20
Calcium	1220	9910	7610	7630	0.000	0.000	1	75.0-125	V	V	0.314	20
Chromium	122	11.2	126	129	94.0	96.7	1	75.0-125			2.53	20
Cobalt	122	5.65	120	123	93.5	96.4	1	75.0-125			2.89	20
Iron	1220	14500	12400	17900	0.000	279	1	75.0-125	V	J3 V	36.5	20
Magnesium	1220	4120	4890	4970	63.4	69.7	1	75.0-125	J6	J6	1.56	20
Manganese	122	394	430	535	29.8	115	1	75.0-125	J6	J3	21.6	20
Potassium	1220	3430	4170	4100	60.2	55.0	1	75.0-125	J6	J6	1.54	20
Sodium	1220	509	1600	1660	89.4	94.5	1	75.0-125			3.89	20
Thallium	122	ND	114	118	93.6	96.5	1	75.0-125			3.05	20
Vanadium	122	23.6	127	135	84.6	91.0	1	75.0-125			5.97	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4229638-1 06/12/25 20:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	0.100
Barium	U		10.0	10.0
Cadmium	U		0.100	0.100
Copper	U		10.0	10.0
Lead	U		10.0	10.0
Nickel	U		10.0	10.0
Selenium	U		0.100	0.100
Silver	U		0.500	0.500
Zinc	U		50.0	50.0

Laboratory Control Sample (LCS)

(LCS) R4229638-2 06/12/25 20:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.9	96.9	80.0-120	
Barium	100	95.7	95.7	80.0-120	
Cadmium	100	103	103	80.0-120	
Copper	100	100	100	80.0-120	
Lead	100	95.7	95.7	80.0-120	
Nickel	100	103	103	80.0-120	
Selenium	100	97.9	97.9	80.0-120	
Silver	20.0	21.4	107	80.0-120	
Zinc	100	96.9	96.9	80.0-120	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/12/25 20:27 • (MS) R4229638-5 06/12/25 20:36 • (MSD) R4229638-6 06/12/25 20:39

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	4.38	104	109	81.9	86.1	5	75.0-125			4.87	20
Barium	122	106	191	221	69.5	94.7	5	75.0-125	J6		15.0	20
Cadmium	122	0.364	115	120	93.6	97.8	5	75.0-125			4.36	20
Copper	122	12.9	120	129	88.0	94.8	5	75.0-125			6.62	20
Lead	122	ND	113	118	92.5	96.7	5	75.0-125			4.39	20
Nickel	122	ND	117	125	96.0	103	5	75.0-125			6.88	20
Selenium	122	0.482	108	108	88.2	88.0	5	75.0-125			0.254	20
Silver	24.4	ND	23.1	24.6	94.6	101	5	75.0-125			6.26	20

1

Cp

2

Tc

3

Ss

4

Cn

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Ds

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Sr

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Qc

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Gl

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Al

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Sc

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/12/25 20:27 • (MS) R4229638-5 06/12/25 20:36 • (MSD) R4229638-6 06/12/25 20:39

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Zinc	122	ND	146	158	120	130	5	75.0-125		J5	7.72	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4227142-2 06/07/25 11:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		2.00	2.50
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4227142-1 06/07/25 10:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.88	97.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			104	77.0-120	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 17:03 • (MS) R4227142-3 06/07/25 20:26 • (MSD) R4227142-4 06/07/25 20:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	180	ND	179	189	99.2	105	25	10.0-151			5.49	28
(S) a,a,a-Trifluorotoluene(FID)					105	105		77.0-120				

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Cp

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Tc

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Ss

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Cn

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Ds

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4227145-2 06/07/25 12:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	0.000422	U	0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

1
Cp

2
Tc

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Ss

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Cn

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Ds

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Sr

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Qc

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Gl

9
Al

10
Sc

Method Blank (MB)

(MB) R4227145-2 06/07/25 12:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	99.8			80.0-120
(S) 4-Bromofluorobenzene	95.8			77.0-126
(S) 1,2-Dichloroethane-d4	108			70.0-130

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4227145-1 06/07/25 12:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0237	94.8	19.0-160	
Acrolein	0.0250	0.0216	86.4	10.0-160	
Acrylonitrile	0.0250	0.0248	99.2	55.0-149	
Benzene	0.00500	0.00416	83.2	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R4227145-1 06/07/25 12:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromobenzene	0.00500	0.00423	84.6	73.0-121	
Bromodichloromethane	0.00500	0.00465	93.0	75.0-120	
Bromoform	0.00500	0.00378	75.6	68.0-132	
Bromomethane	0.00500	0.00200	40.0	10.0-160	
n-Butylbenzene	0.00500	0.00450	90.0	73.0-125	
sec-Butylbenzene	0.00500	0.00464	92.8	75.0-125	
tert-Butylbenzene	0.00500	0.00437	87.4	76.0-124	
Carbon tetrachloride	0.00500	0.00470	94.0	68.0-126	
Chlorobenzene	0.00500	0.00401	80.2	80.0-121	
Chlorodibromomethane	0.00500	0.00437	87.4	77.0-125	
Chloroethane	0.00500	0.00303	60.6	47.0-150	
Chloroform	0.00500	0.00440	88.0	73.0-120	
Chloromethane	0.00500	0.00647	129	41.0-142	
2-Chlorotoluene	0.00500	0.00437	87.4	76.0-123	
4-Chlorotoluene	0.00500	0.00451	90.2	75.0-122	
1,2-Dibromo-3-Chloropropane	0.00500	0.00387	77.4	58.0-134	
1,2-Dibromoethane	0.00500	0.00416	83.2	80.0-122	
Dibromomethane	0.00500	0.00437	87.4	80.0-120	
1,2-Dichlorobenzene	0.00500	0.00426	85.2	79.0-121	
1,3-Dichlorobenzene	0.00500	0.00431	86.2	79.0-120	
1,4-Dichlorobenzene	0.00500	0.00426	85.2	79.0-120	
Dichlorodifluoromethane	0.00500	0.00361	72.2	51.0-149	
1,1-Dichloroethane	0.00500	0.00465	93.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00447	89.4	70.0-128	
1,1-Dichloroethene	0.00500	0.00421	84.2	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00430	86.0	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00453	90.6	73.0-120	
1,2-Dichloropropane	0.00500	0.00447	89.4	77.0-125	
1,1-Dichloropropene	0.00500	0.00445	89.0	74.0-126	
1,3-Dichloropropane	0.00500	0.00438	87.6	80.0-120	
cis-1,3-Dichloropropene	0.00500	0.00444	88.8	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00457	91.4	78.0-124	
2,2-Dichloropropane	0.00500	0.00503	101	58.0-130	
Di-isopropyl ether	0.00500	0.00566	113	58.0-138	
Ethylbenzene	0.00500	0.00406	81.2	79.0-123	
Hexachloro-1,3-butadiene	0.00500	0.00440	88.0	54.0-138	
Isopropylbenzene	0.00500	0.00405	81.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00448	89.6	76.0-125	
2-Butanone (MEK)	0.0250	0.0253	101	44.0-160	
Methylene Chloride	0.00500	0.00418	83.6	67.0-120	

¹Cp

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Laboratory Control Sample (LCS)

(LCS) R4227145-1 06/07/25 12:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Methyl-2-pentanone (MIBK)	0.0250	0.0288	115	68.0-142	
Methyl tert-butyl ether	0.00500	0.00440	88.0	68.0-125	
Naphthalene	0.00500	0.00378	75.6	54.0-135	
n-Propylbenzene	0.00500	0.00442	88.4	77.0-124	
Styrene	0.00500	0.00387	77.4	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00418	83.6	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00473	94.6	65.0-130	
1,1,2-Trichlorotrifluoroethane	0.00500	0.00439	87.8	69.0-132	
Tetrachloroethene	0.00500	0.00404	80.8	72.0-132	
Toluene	0.00500	0.00396	79.2	79.0-120	
1,2,3-Trichlorobenzene	0.00500	0.00405	81.0	50.0-138	
1,2,4-Trichlorobenzene	0.00500	0.00406	81.2	57.0-137	
1,1,1-Trichloroethane	0.00500	0.00498	99.6	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00426	85.2	80.0-120	
Trichloroethene	0.00500	0.00416	83.2	78.0-124	
Trichlorofluoromethane	0.00500	0.00380	76.0	59.0-147	
1,2,3-Trichloropropane	0.00500	0.00503	101	73.0-130	
1,2,4-Trimethylbenzene	0.00500	0.00444	88.8	76.0-121	
1,2,3-Trimethylbenzene	0.00500	0.00446	89.2	77.0-120	
1,3,5-Trimethylbenzene	0.00500	0.00457	91.4	76.0-122	
Vinyl chloride	0.00500	0.00314	62.8	67.0-131	J4
Xylenes, Total	0.0150	0.0120	80.0	79.0-123	
(S) Toluene-d8			97.8	80.0-120	
(S) 4-Bromofluorobenzene			96.0	77.0-126	
(S) 1,2-Dichloroethane-d4			110	70.0-130	

¹Cp

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Method Blank (MB)

(MB) R4227241-3 06/07/25 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		0.00100	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	0.00343		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.0100	0.0100
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

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Method Blank (MB)

(MB) R4227241-3 06/07/25 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
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		0.0100	0.0100
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
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	106			75.0-131
(S) 4-Bromofluorobenzene	99.9			67.0-138
(S) 1,2-Dichloroethane-d4	88.3			70.0-130

¹Cp

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

(LCS) R4227241-1 06/07/25 10:21 • (LCSD) R4227241-2 06/07/25 10:40

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	0.222	0.287	35.5	45.9	10.0-160			25.5	31
Acrylonitrile	0.625	0.619	0.687	99.0	110	45.0-153			10.4	22
Benzene	0.125	0.103	0.109	82.4	87.2	70.0-123			5.66	20
Bromobenzene	0.125	0.125	0.129	100	103	73.0-121			3.15	20
Bromodichloromethane	0.125	0.102	0.111	81.6	88.8	73.0-121			8.45	20
Bromoform	0.125	0.108	0.119	86.4	95.2	64.0-132			9.69	20

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

(LCS) R4227241-1 06/07/25 10:21 • (LCSD) R4227241-2 06/07/25 10:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromomethane	0.125	0.0711	0.0774	56.9	61.9	56.0-147			8.48	20
n-Butylbenzene	0.125	0.110	0.125	88.0	100	68.0-135			12.8	20
sec-Butylbenzene	0.125	0.116	0.127	92.8	102	74.0-130			9.05	20
tert-Butylbenzene	0.125	0.121	0.134	96.8	107	75.0-127			10.2	20
Carbon tetrachloride	0.125	0.107	0.116	85.6	92.8	66.0-128			8.07	20
Chlorobenzene	0.125	0.115	0.127	92.0	102	76.0-128			9.92	20
Chlorodibromomethane	0.125	0.117	0.124	93.6	99.2	74.0-127			5.81	20
Chloroethane	0.125	0.0928	0.0949	74.2	75.9	61.0-134			2.24	20
Chloroform	0.125	0.109	0.116	87.2	92.8	72.0-123			6.22	20
Chloromethane	0.125	0.0811	0.0875	64.9	70.0	51.0-138			7.59	20
2-Chlorotoluene	0.125	0.124	0.132	99.2	106	75.0-124			6.25	20
4-Chlorotoluene	0.125	0.120	0.127	96.0	102	75.0-124			5.67	20
1,2-Dibromo-3-Chloropropane	0.125	0.107	0.115	85.6	92.0	59.0-130			7.21	20
1,2-Dibromoethane	0.125	0.121	0.130	96.8	104	74.0-128			7.17	20
Dibromomethane	0.125	0.105	0.112	84.0	89.6	75.0-122			6.45	20
1,2-Dichlorobenzene	0.125	0.126	0.134	101	107	76.0-124			6.15	20
1,3-Dichlorobenzene	0.125	0.123	0.130	98.4	104	76.0-125			5.53	20
1,4-Dichlorobenzene	0.125	0.120	0.127	96.0	102	77.0-121			5.67	20
Dichlorodifluoromethane	0.125	0.0750	0.0812	60.0	65.0	43.0-156			7.94	20
1,1-Dichloroethane	0.125	0.0970	0.106	77.6	84.8	70.0-127			8.87	20
1,2-Dichloroethane	0.125	0.110	0.113	88.0	90.4	65.0-131			2.69	20
1,1-Dichloroethene	0.125	0.0950	0.104	76.0	83.2	65.0-131			9.05	20
cis-1,2-Dichloroethene	0.125	0.104	0.109	83.2	87.2	73.0-125			4.69	20
trans-1,2-Dichloroethene	0.125	0.102	0.112	81.6	89.6	71.0-125			9.35	20
1,2-Dichloropropane	0.125	0.100	0.112	80.0	89.6	74.0-125			11.3	20
1,1-Dichloropropene	0.125	0.104	0.112	83.2	89.6	73.0-125			7.41	20
1,3-Dichloropropane	0.125	0.119	0.126	95.2	101	80.0-125			5.71	20
cis-1,3-Dichloropropene	0.125	0.105	0.112	84.0	89.6	76.0-127			6.45	20
trans-1,3-Dichloropropene	0.125	0.121	0.134	96.8	107	73.0-127			10.2	20
2,2-Dichloropropane	0.125	0.125	0.132	100	106	59.0-135			5.45	20
Di-isopropyl ether	0.125	0.106	0.111	84.8	88.8	60.0-136			4.61	20
Ethylbenzene	0.125	0.127	0.133	102	106	74.0-126			4.62	20
Hexachloro-1,3-butadiene	0.125	0.104	0.123	83.2	98.4	57.0-150			16.7	20
Isopropylbenzene	0.125	0.119	0.130	95.2	104	72.0-127			8.84	20
p-Isopropyltoluene	0.125	0.121	0.134	96.8	107	72.0-133			10.2	20
2-Butanone (MEK)	0.625	0.650	0.657	104	105	30.0-160			1.07	24
Methylene Chloride	0.125	0.101	0.108	80.8	86.4	68.0-123			6.70	20
4-Methyl-2-pentanone (MIBK)	0.625	0.630	0.693	101	111	56.0-143			9.52	20
Methyl tert-butyl ether	0.125	0.116	0.123	92.8	98.4	66.0-132			5.86	20
n-Propylbenzene	0.125	0.115	0.122	92.0	97.6	74.0-126			5.91	20

¹Cp

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

(LCS) R4227241-1 06/07/25 10:21 • (LCSD) R4227241-2 06/07/25 10:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.122	0.131	97.6	105	72.0-127			7.11	20
1,1,1,2-Tetrachloroethane	0.125	0.126	0.135	101	108	74.0-129			6.90	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	0.103	0.111	82.4	88.8	61.0-139			7.48	20
Tetrachloroethene	0.125	0.129	0.139	103	111	70.0-136			7.46	20
Toluene	0.125	0.114	0.125	91.2	100	75.0-121			9.21	20
1,2,3-Trichlorobenzene	0.125	0.110	0.129	88.0	103	59.0-139			15.9	20
1,2,4-Trichlorobenzene	0.125	0.117	0.138	93.6	110	62.0-137			16.5	20
1,1,1-Trichloroethane	0.125	0.110	0.118	88.0	94.4	69.0-126			7.02	20
1,1,2-Trichloroethane	0.125	0.120	0.131	96.0	105	78.0-123			8.76	20
Trichloroethene	0.125	0.112	0.121	89.6	96.8	76.0-126			7.73	20
Trichlorofluoromethane	0.125	0.0855	0.0889	68.4	71.1	61.0-142			3.90	20
1,2,3-Trichloropropane	0.125	0.120	0.126	96.0	101	67.0-129			4.88	20
1,2,3-Trimethylbenzene	0.125	0.117	0.122	93.6	97.6	74.0-124			4.18	20
1,2,4-Trimethylbenzene	0.125	0.121	0.125	96.8	100	70.0-126			3.25	20
1,3,5-Trimethylbenzene	0.125	0.120	0.125	96.0	100	73.0-127			4.08	20
Vinyl chloride	0.125	0.0826	0.0861	66.1	68.9	63.0-134			4.15	20
Xylenes, Total	0.375	0.370	0.404	98.7	108	72.0-127			8.79	20
(S) Toluene-d8				106	107	75.0-131				
(S) 4-Bromofluorobenzene				97.9	99.6	67.0-138				
(S) 1,2-Dichloroethane-d4				88.3	90.1	70.0-130				

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 16:33 • (MS) R4227241-4 06/07/25 17:11 • (MSD) R4227241-5 06/07/25 17:29

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 %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	0.900	ND	0.179	0.170	19.8	18.9	1	10.0-160			4.96	40
Acrylonitrile	0.900	ND	0.988	0.979	110	109	1	10.0-160			0.878	40
Benzene	0.180	ND	0.148	0.124	82.4	68.8	1	10.0-149			18.0	37
Bromobenzene	0.180	ND	0.170	0.144	94.4	80.0	1	10.0-156			16.5	38
Bromodichloromethane	0.180	ND	0.141	0.122	78.3	67.8	1	10.0-143			14.3	37
Bromoform	0.180	ND	0.144	0.137	80.0	75.9	1	10.0-146			5.23	36
Bromomethane	0.180	ND	0.0603	0.0524	33.5	29.1	1	10.0-149			14.0	38
n-Butylbenzene	0.180	ND	0.181	0.141	101	78.4	1	10.0-160			25.0	40
sec-Butylbenzene	0.180	ND	0.176	0.138	97.6	76.9	1	10.0-159			23.8	39
tert-Butylbenzene	0.180	ND	0.179	0.144	99.2	80.0	1	10.0-156			21.4	39
Carbon tetrachloride	0.180	ND	0.141	0.109	78.4	60.6	1	10.0-145			25.5	37
Chlorobenzene	0.180	ND	0.168	0.140	93.6	78.0	1	10.0-152			18.2	39

1Cp

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5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 16:33 • (MS) R4227241-4 06/07/25 17:11 • (MSD) R4227241-5 06/07/25 17:29

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 %
Chlorodibromomethane	0.180	ND	0.160	0.141	88.8	78.5	1	10.0-146			12.3	37
Chloroethane	0.180	ND	0.0649	0.0548	36.1	30.5	1	10.0-146			16.8	40
Chloroform	0.180	0.00389	0.213	0.187	116	102	1	10.0-146			12.9	37
Chloromethane	0.180	ND	0.114	0.0908	63.4	50.5	1	10.0-159			22.6	37
2-Chlorotoluene	0.180	ND	0.180	0.143	100	79.2	1	10.0-159			23.2	38
4-Chlorotoluene	0.180	ND	0.168	0.139	93.6	77.0	1	10.0-155			19.4	39
1,2-Dibromo-3-Chloropropane	0.180	ND	0.136	0.142	75.7	78.6	1	10.0-151			3.84	39
1,2-Dibromoethane	0.180	ND	0.174	0.163	96.8	90.4	1	10.0-148			6.84	34
Dibromomethane	0.180	ND	0.145	0.135	80.8	75.2	1	10.0-147			7.18	35
1,2-Dichlorobenzene	0.180	ND	0.189	0.166	105	92.0	1	10.0-155			13.0	37
1,3-Dichlorobenzene	0.180	ND	0.183	0.154	102	85.6	1	10.0-153			17.1	38
1,4-Dichlorobenzene	0.180	ND	0.176	0.153	97.6	84.8	1	10.0-151			14.0	38
Dichlorodifluoromethane	0.180	ND	0.118	0.0936	65.6	52.0	1	10.0-160			23.1	35
1,1-Dichloroethane	0.180	ND	0.143	0.115	79.4	63.8	1	10.0-147			21.9	37
1,2-Dichloroethane	0.180	ND	0.153	0.135	84.8	75.2	1	10.0-148			12.0	35
1,1-Dichloroethene	0.180	ND	0.137	0.107	76.2	59.5	1	10.0-155			24.6	37
cis-1,2-Dichloroethene	0.180	ND	0.154	0.126	85.6	70.2	1	10.0-149			19.8	37
trans-1,2-Dichloroethene	0.180	ND	0.137	0.114	76.2	63.3	1	10.0-150			18.6	37
1,2-Dichloropropane	0.180	ND	0.151	0.131	84.0	72.9	1	10.0-148			14.2	37
1,1-Dichloropropene	0.180	ND	0.145	0.110	80.8	61.0	1	10.0-153			27.9	35
1,3-Dichloropropane	0.180	ND	0.176	0.154	97.6	85.6	1	10.0-154			13.1	35
cis-1,3-Dichloropropene	0.180	ND	0.153	0.133	84.8	73.8	1	10.0-151			13.8	37
trans-1,3-Dichloropropene	0.180	ND	0.176	0.157	97.6	87.2	1	10.0-148			11.3	37
2,2-Dichloropropane	0.180	ND	0.132	0.112	73.3	62.2	1	10.0-138			16.4	36
Di-isopropyl ether	0.180	ND	0.151	0.131	84.0	73.0	1	10.0-147			14.0	36
Ethylbenzene	0.180	ND	0.183	0.148	102	82.4	1	10.0-160			20.9	38
Hexachloro-1,3-butadiene	0.180	ND	0.193	0.151	107	84.0	1	10.0-160			24.3	40
Isopropylbenzene	0.180	ND	0.184	0.144	102	80.0	1	10.0-155			24.6	38
p-Isopropyltoluene	0.180	ND	0.186	0.147	103	81.6	1	10.0-160			23.4	40
2-Butanone (MEK)	0.900	ND	0.573	0.497	63.7	55.2	1	10.0-160			14.3	40
Methylene Chloride	0.180	ND	0.147	0.123	81.6	68.2	1	10.0-141			17.9	37
4-Methyl-2-pentanone (MIBK)	0.900	ND	0.897	0.884	99.7	98.2	1	10.0-160			1.46	35
Methyl tert-butyl ether	0.180	ND	0.163	0.150	90.4	83.2	1	11.0-147			8.29	35
n-Propylbenzene	0.180	ND	0.164	0.130	91.2	72.2	1	10.0-158			23.2	38
Styrene	0.180	ND	0.179	0.153	99.2	84.8	1	10.0-160			15.7	40
1,1,1,2-Tetrachloroethane	0.180	ND	0.181	0.155	101	86.4	1	10.0-149			15.4	39
1,1,2,2-Tetrachloroethane	0.180	ND	0.168	0.161	93.6	89.6	1	10.0-160			4.37	35
1,1,2-Trichlorotrifluoroethane	0.180	ND	0.110	0.0852	61.3	47.4	1	10.0-160			25.6	36
Tetrachloroethene	0.180	ND	0.176	0.135	97.6	75.3	1	10.0-156			25.8	39

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 16:33 • (MS) R4227241-4 06/07/25 17:11 • (MSD) R4227241-5 06/07/25 17:29

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 %
Toluene	0.180	ND	0.164	0.135	91.2	75.1	1	10.0-156			19.3	38
1,2,3-Trichlorobenzene	0.180	ND	0.227	0.199	126	110	1	10.0-160			13.5	40
1,2,4-Trichlorobenzene	0.180	ND	0.243	0.209	135	116	1	10.0-160			15.3	40
1,1,1-Trichloroethane	0.180	ND	0.148	0.119	82.4	66.2	1	10.0-144			21.7	35
1,1,2-Trichloroethane	0.180	ND	0.177	0.164	98.4	91.2	1	10.0-160			7.59	35
Trichloroethene	0.180	ND	0.158	0.126	88.0	70.0	1	10.0-156			22.8	38
Trichlorofluoromethane	0.180	ND	0.0513	0.0374	28.5	20.8	1	10.0-160			31.2	40
1,2,3-Trichloropropane	0.180	ND	0.166	0.153	92.0	84.8	1	10.0-156			8.14	35
1,2,3-Trimethylbenzene	0.180	ND	0.168	0.144	93.6	79.8	1	10.0-160			15.9	36
1,2,4-Trimethylbenzene	0.180	ND	0.176	0.144	97.6	79.8	1	10.0-160			20.0	36
1,3,5-Trimethylbenzene	0.180	ND	0.168	0.135	93.6	75.2	1	10.0-160			21.8	38
Vinyl chloride	0.180	ND	0.119	0.0901	65.9	50.1	1	10.0-160			27.3	37
Xylenes, Total	0.540	ND	0.540	0.443	100	82.1	1	10.0-160			19.6	38
(S) Toluene-d8					106	106		75.0-131				
(S) 4-Bromofluorobenzene					100	100		67.0-138				
(S) 1,2-Dichloroethane-d4					90.1	90.4		70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4227242-3 06/07/25 12:44

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		0.00100	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	0.00500		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.0100	0.0100
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4227242-3 06/07/25 12:44

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	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		0.0100	0.0100
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
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	99.9			75.0-131
(S) 4-Bromofluorobenzene	97.9			67.0-138
(S) 1,2-Dichloroethane-d4	103			70.0-130

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4227242-1 06/07/25 11:07 • (LCSD) R4227242-2 06/07/25 11:26

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	0.691	0.584	111	93.4	10.0-160			16.8	31
Acrylonitrile	0.625	0.644	0.566	103	90.6	45.0-153			12.9	22
Benzene	0.125	0.113	0.120	90.4	96.0	70.0-123			6.01	20
Bromobenzene	0.125	0.116	0.119	92.8	95.2	73.0-121			2.55	20
Bromodichloromethane	0.125	0.111	0.116	88.8	92.8	73.0-121			4.41	20
Bromoform	0.125	0.118	0.115	94.4	92.0	64.0-132			2.58	20

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

(LCS) R4227242-1 06/07/25 11:07 • (LCSD) R4227242-2 06/07/25 11:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromomethane	0.125	0.0840	0.0968	67.2	77.4	56.0-147			14.2	20
n-Butylbenzene	0.125	0.113	0.121	90.4	96.8	68.0-135			6.84	20
sec-Butylbenzene	0.125	0.113	0.117	90.4	93.6	74.0-130			3.48	20
tert-Butylbenzene	0.125	0.116	0.119	92.8	95.2	75.0-127			2.55	20
Carbon tetrachloride	0.125	0.133	0.135	106	108	66.0-128			1.49	20
Chlorobenzene	0.125	0.116	0.118	92.8	94.4	76.0-128			1.71	20
Chlorodibromomethane	0.125	0.122	0.119	97.6	95.2	74.0-127			2.49	20
Chloroethane	0.125	0.101	0.103	80.8	82.4	61.0-134			1.96	20
Chloroform	0.125	0.116	0.122	92.8	97.6	72.0-123			5.04	20
Chloromethane	0.125	0.0944	0.102	75.5	81.6	51.0-138			7.74	20
2-Chlorotoluene	0.125	0.115	0.108	92.0	86.4	75.0-124			6.28	20
4-Chlorotoluene	0.125	0.114	0.118	91.2	94.4	75.0-124			3.45	20
1,2-Dibromo-3-Chloropropane	0.125	0.110	0.103	88.0	82.4	59.0-130			6.57	20
1,2-Dibromoethane	0.125	0.121	0.120	96.8	96.0	74.0-128			0.830	20
Dibromomethane	0.125	0.123	0.129	98.4	103	75.0-122			4.76	20
1,2-Dichlorobenzene	0.125	0.118	0.121	94.4	96.8	76.0-124			2.51	20
1,3-Dichlorobenzene	0.125	0.112	0.116	89.6	92.8	76.0-125			3.51	20
1,4-Dichlorobenzene	0.125	0.115	0.118	92.0	94.4	77.0-121			2.58	20
Dichlorodifluoromethane	0.125	0.0930	0.0948	74.4	75.8	43.0-156			1.92	20
1,1-Dichloroethane	0.125	0.112	0.117	89.6	93.6	70.0-127			4.37	20
1,2-Dichloroethane	0.125	0.122	0.126	97.6	101	65.0-131			3.23	20
1,1-Dichloroethene	0.125	0.121	0.130	96.8	104	65.0-131			7.17	20
cis-1,2-Dichloroethene	0.125	0.120	0.122	96.0	97.6	73.0-125			1.65	20
trans-1,2-Dichloroethene	0.125	0.115	0.120	92.0	96.0	71.0-125			4.26	20
1,2-Dichloropropane	0.125	0.112	0.114	89.6	91.2	74.0-125			1.77	20
1,1-Dichloropropene	0.125	0.115	0.125	92.0	100	73.0-125			8.33	20
1,3-Dichloropropane	0.125	0.118	0.117	94.4	93.6	80.0-125			0.851	20
cis-1,3-Dichloropropene	0.125	0.115	0.117	92.0	93.6	76.0-127			1.72	20
trans-1,3-Dichloropropene	0.125	0.118	0.119	94.4	95.2	73.0-127			0.844	20
2,2-Dichloropropane	0.125	0.126	0.123	101	98.4	59.0-135			2.41	20
Di-isopropyl ether	0.125	0.127	0.125	102	100	60.0-136			1.59	20
Ethylbenzene	0.125	0.118	0.120	94.4	96.0	74.0-126			1.68	20
Hexachloro-1,3-butadiene	0.125	0.120	0.123	96.0	98.4	57.0-150			2.47	20
Isopropylbenzene	0.125	0.117	0.118	93.6	94.4	72.0-127			0.851	20
p-Isopropyltoluene	0.125	0.112	0.115	89.6	92.0	72.0-133			2.64	20
2-Butanone (MEK)	0.625	0.758	0.627	121	100	30.0-160			18.9	24
Methylene Chloride	0.125	0.111	0.112	88.8	89.6	68.0-123			0.897	20
4-Methyl-2-pentanone (MIBK)	0.625	0.648	0.613	104	98.1	56.0-143			5.55	20
Methyl tert-butyl ether	0.125	0.126	0.119	101	95.2	66.0-132			5.71	20
n-Propylbenzene	0.125	0.117	0.121	93.6	96.8	74.0-126			3.36	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4227242-1 06/07/25 11:07 • (LCSD) R4227242-2 06/07/25 11:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.115	0.114	92.0	91.2	72.0-127			0.873	20
1,1,1,2-Tetrachloroethane	0.125	0.114	0.107	91.2	85.6	74.0-129			6.33	20
1,1,2,2-Tetrachloroethane	0.125	0.114	0.110	91.2	88.0	68.0-128			3.57	20
1,1,2-Trichlorotrifluoroethane	0.125	0.125	0.130	100	104	61.0-139			3.92	20
Tetrachloroethene	0.125	0.129	0.133	103	106	70.0-136			3.05	20
Toluene	0.125	0.117	0.118	93.6	94.4	75.0-121			0.851	20
1,2,3-Trichlorobenzene	0.125	0.124	0.126	99.2	101	59.0-139			1.60	20
1,2,4-Trichlorobenzene	0.125	0.120	0.125	96.0	100	62.0-137			4.08	20
1,1,1-Trichloroethane	0.125	0.130	0.134	104	107	69.0-126			3.03	20
1,1,2-Trichloroethane	0.125	0.116	0.111	92.8	88.8	78.0-123			4.41	20
Trichloroethene	0.125	0.118	0.131	94.4	105	76.0-126			10.4	20
Trichlorofluoromethane	0.125	0.107	0.116	85.6	92.8	61.0-142			8.07	20
1,2,3-Trichloropropane	0.125	0.119	0.114	95.2	91.2	67.0-129			4.29	20
1,2,3-Trimethylbenzene	0.125	0.110	0.112	88.0	89.6	74.0-124			1.80	20
1,2,4-Trimethylbenzene	0.125	0.113	0.118	90.4	94.4	70.0-126			4.33	20
1,3,5-Trimethylbenzene	0.125	0.109	0.115	87.2	92.0	73.0-127			5.36	20
Vinyl chloride	0.125	0.0979	0.105	78.3	84.0	63.0-134			7.00	20
Xylenes, Total	0.375	0.354	0.362	94.4	96.5	72.0-127			2.23	20
(S) Toluene-d8				99.9	97.8	75.0-131				
(S) 4-Bromofluorobenzene				101	98.6	67.0-138				
(S) 1,2-Dichloroethane-d4				109	110	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4227514-1 06/07/25 21:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	69.5			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4227514-2 06/07/25 22:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	34.7	69.4	50.0-150	
(S) o-Terphenyl			33.3	18.0-148	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 22:38 • (MS) R4227514-3 06/07/25 22:51 • (MSD) R4227514-4 06/07/25 23:05

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 %
C10-C28 Diesel Range	60.0	ND	37.8	37.2	63.0	61.6	1	50.0-150			1.63	20
(S) o-Terphenyl					70.4	65.8		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4228851-1 06/11/25 13:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	69.1			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4228851-2 06/11/25 13:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	31.2	62.4	50.0-150	
(S) o-Terphenyl			46.8	18.0-148	

L1867312-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-07 06/11/25 13:35 • (MS) R4228851-3 06/11/25 13:50 • (MSD) R4228851-4 06/11/25 14:06

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 %
C10-C28 Diesel Range	830	ND	575	599	69.2	70.9	13.8	50.0-150			4.11	20
(S) o-Terphenyl					39.9	45.3		18.0-148				

Sample Narrative:

OS: Dilution due to matrix impact during extraction procedure

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4227244-2 06/07/25 21:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthylene	U		0.00567	0.0333
Benzidine	U		0.999	1.67
Benzo(g,h,i)perylene	U		0.00644	0.0333
Bis(2-chlorethoxy)methane	U		0.0361	0.333
Bis(2-chloroethyl)ether	U		0.0629	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0326	0.333
4-Bromophenyl-phenylether	U		0.0475	0.333
2-Chloronaphthalene	U		0.00496	0.0333
4-Chlorophenyl-phenylether	U		0.0475	0.333
1,2-Dichlorobenzene	U		0.0286	0.333
1,3-Dichlorobenzene	U		0.0290	0.333
1,4-Dichlorobenzene	U		0.0286	0.333
3,3-Dichlorobenzidine	U		0.127	0.333
2,4-Dinitrotoluene	U		0.0660	0.333
2,6-Dinitrotoluene	U		0.0628	0.333
Hexachlorobenzene	U		0.0544	0.333
Hexachloro-1,3-butadiene	U		0.0528	0.333
Hexachlorocyclopentadiene	U		0.102	0.333
Hexachloroethane	U		0.0410	0.333
Isophorone	U		0.0419	0.333
Nitrobenzene	U		0.0450	0.333
n-Nitrosodimethylamine	U		0.0782	0.333
n-Nitrosodiphenylamine	U		0.0427	0.333
n-Nitrosodi-n-propylamine	U		0.0528	0.333
Phenanthrene	U		0.00366	0.0333
Benzylbutyl phthalate	U		0.0645	0.333
Bis(2-ethylhexyl)phthalate	U		0.0657	0.333
Di-n-butyl phthalate	U		0.0448	0.333
Diethyl phthalate	U		0.0516	0.333
Dimethyl phthalate	U		0.0447	0.333
Di-n-octyl phthalate	U		0.147	0.333
1,2,4-Trichlorobenzene	U		0.0395	0.333
4-Chloro-3-methylphenol	U		0.0520	0.333
2-Chlorophenol	U		0.0346	0.333
2,4-Dichlorophenol	U		0.0439	0.333
2,4-Dimethylphenol	U		0.0691	0.333
4,6-Dinitro-2-methylphenol	U		0.102	0.333
2,4-Dinitrophenol	U		0.127	0.333
2-Nitrophenol	U		0.0494	0.333
4-Nitrophenol	U		0.106	0.333

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4227244-2 06/07/25 21:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pentachlorophenol	U		0.0623	0.333
Phenol	U		0.0567	0.333
2,4,6-Trichlorophenol	U		0.0796	0.333
(S) 2-Fluorophenol	76.3			12.0-120
(S) Phenol-d5	64.6			10.0-120
(S) Nitrobenzene-d5	67.0			10.0-122
(S) 2-Fluorobiphenyl	73.9			15.0-120
(S) 2,4,6-Tribromophenol	101			10.0-127
(S) p-Terphenyl-d14	84.1			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4227244-1 06/07/25 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.455	68.3	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.516	77.5	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.277	41.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.256	38.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.296	44.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.519	77.9	40.0-120	
2-Chloronaphthalene	0.666	0.414	62.2	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.500	75.1	40.0-120	
1,2-Dichlorobenzene	0.666	0.335	50.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.357	53.6	30.0-120	
1,4-Dichlorobenzene	0.666	0.361	54.2	31.0-120	
3,3-Dichlorobenzidine	1.33	1.22	91.7	28.0-120	
2,4-Dinitrotoluene	0.666	0.557	83.6	45.0-120	
2,6-Dinitrotoluene	0.666	0.493	74.0	42.0-120	
Hexachlorobenzene	0.666	0.524	78.7	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.386	58.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.393	59.0	15.0-120	
Hexachloroethane	0.666	0.323	48.5	17.0-120	
Isophorone	0.666	0.302	45.3	23.0-120	
Nitrobenzene	0.666	0.296	44.4	17.0-120	
n-Nitrosodimethylamine	0.666	0.613	92.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.477	71.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.242	36.3	26.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R4227244-1 06/07/25 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	0.666	0.450	67.6	42.0-120	
Benzylbutyl phthalate	0.666	0.564	84.7	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.528	79.3	41.0-120	
Di-n-butyl phthalate	0.666	0.512	76.9	43.0-120	
Diethyl phthalate	0.666	0.526	79.0	43.0-120	
Dimethyl phthalate	0.666	0.494	74.2	43.0-120	
Di-n-octyl phthalate	0.666	0.507	76.1	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.367	55.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.342	51.4	28.0-120	
2-Chlorophenol	0.666	0.335	50.3	28.0-120	
2,4-Dichlorophenol	0.666	0.395	59.3	25.0-120	
2,4-Dimethylphenol	0.666	0.341	51.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.470	70.6	16.0-120	
2,4-Dinitrophenol	0.666	0.394	59.2	10.0-120	
2-Nitrophenol	0.666	0.360	54.1	20.0-120	
4-Nitrophenol	0.666	0.422	63.4	27.0-120	
Pentachlorophenol	0.666	0.406	61.0	29.0-120	
Phenol	0.666	0.311	46.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.442	66.4	37.0-120	
(S) 2-Fluorophenol			66.2	12.0-120	
(S) Phenol-d5			55.3	10.0-120	
(S) Nitrobenzene-d5			53.2	10.0-122	
(S) 2-Fluorobiphenyl			64.6	15.0-120	
(S) 2,4,6-Tribromophenol			105	10.0-127	
(S) p-Terphenyl-d14			85.3	10.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/08/25 01:17 • (MS) R4227244-3 06/08/25 01:38 • (MSD) R4227244-4 06/08/25 01:59

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 %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	0.800	ND	0.551	0.510	68.9	63.7	2	25.0-120			7.82	32
Benzidine	1.31	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.800	ND	0.544	0.545	68.0	68.1	2	10.0-120			0.224	33
Bis(2-chlorethoxy)methane	0.800	ND	ND	ND	44.2	43.4	2	10.0-120			1.74	34
Bis(2-chloroethyl)ether	0.800	ND	ND	ND	52.3	45.4	2	10.0-120			14.0	40
2,2-Oxybis(1-Chloropropane)	0.800	ND	ND	ND	53.2	48.6	2	10.0-120			8.98	40
4-Bromophenyl-phenylether	0.800	ND	ND	ND	70.7	64.3	2	27.0-120			9.48	30
2-Chloronaphthalene	0.800	ND	0.494	0.490	61.7	61.3	2	20.0-120			0.743	32

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/08/25 01:17 • (MS) R4227244-3 06/08/25 01:38 • (MSD) R4227244-4 06/08/25 01:59

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 %
4-Chlorophenyl-phenylether	0.800	ND	ND	ND	72.1	65.5	2	24.0-120			9.52	29
1,2-Dichlorobenzene	0.800	ND	ND	ND	58.4	55.5	2	10.0-120			5.09	38
1,3-Dichlorobenzene	0.800	ND	ND	ND	51.8	47.9	2	10.0-120			7.95	40
1,4-Dichlorobenzene	0.800	ND	ND	ND	59.3	50.6	2	10.0-120			15.8	39
3,3-Dichlorobenzidine	1.60	ND	1.11	1.18	69.5	73.7	2	10.0-120			5.76	34
2,4-Dinitrotoluene	0.800	ND	ND	ND	76.2	72.0	2	30.0-120			5.76	31
2,6-Dinitrotoluene	0.800	ND	ND	ND	70.9	72.3	2	25.0-120			1.92	31
Hexachlorobenzene	0.800	ND	ND	ND	67.5	63.7	2	27.0-120			5.81	28
Hexachloro-1,3-butadiene	0.800	ND	ND	ND	59.5	59.3	2	10.0-120			0.257	38
Hexachlorocyclopentadiene	0.800	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.800	ND	ND	ND	38.6	34.3	2	10.0-120			11.7	40
Isophorone	0.800	ND	ND	ND	51.8	48.0	2	13.0-120			7.63	34
Nitrobenzene	0.800	ND	ND	ND	49.8	44.7	2	10.0-120			11.0	36
n-Nitrosodimethylamine	0.800	ND	ND	ND	74.7	59.1	2	10.0-127			23.2	40
n-Nitrosodiphenylamine	0.800	ND	ND	ND	65.9	61.7	2	17.0-120			6.45	29
n-Nitrosodi-n-propylamine	0.800	ND	ND	ND	50.5	43.6	2	10.0-120			14.6	37
Phenanthrene	0.800	ND	0.506	0.467	63.3	58.4	2	17.0-120			8.02	31
Benzylbutyl phthalate	0.800	ND	ND	ND	72.7	76.1	2	23.0-120			4.51	30
Bis(2-ethylhexyl)phthalate	0.800	ND	ND	ND	72.7	77.1	2	17.0-126			5.90	30
Di-n-butyl phthalate	0.800	ND	ND	ND	71.2	68.6	2	30.0-120			3.71	29
Diethyl phthalate	0.800	ND	ND	ND	66.6	63.3	2	26.0-120			5.16	28
Dimethyl phthalate	0.800	ND	ND	ND	68.6	66.2	2	25.0-120			3.62	29
Di-n-octyl phthalate	0.800	ND	ND	ND	74.8	75.8	2	21.0-123			1.21	29
1,2,4-Trichlorobenzene	0.800	ND	ND	ND	58.7	55.8	2	12.0-120			5.06	37
4-Chloro-3-methylphenol	0.800	ND	ND	ND	56.6	54.1	2	15.0-120			4.41	30
2-Chlorophenol	0.800	ND	ND	ND	56.6	55.8	2	15.0-120			1.36	37
2,4-Dichlorophenol	0.800	ND	ND	ND	63.4	57.9	2	20.0-120			9.05	31
2,4-Dimethylphenol	0.800	ND	ND	ND	52.4	48.5	2	10.0-120			7.85	33
4,6-Dinitro-2-methylphenol	0.800	ND	ND	ND	51.8	61.3	2	10.0-120			16.7	39
2,4-Dinitrophenol	0.800	ND	ND	ND	0.000	0.000	2	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.800	ND	ND	ND	66.0	59.8	2	12.0-120			9.94	39
4-Nitrophenol	0.800	ND	ND	ND	70.1	67.5	2	10.0-137			3.77	32
Pentachlorophenol	0.800	ND	ND	ND	59.5	59.5	2	10.0-160			0.000	31
Phenol	0.800	ND	ND	ND	50.6	46.5	2	12.0-120			8.48	38
2,4,6-Trichlorophenol	0.800	ND	ND	ND	65.7	61.9	2	19.0-120			5.97	32
(S) 2-Fluorophenol					68.0	62.3		12.0-120				
(S) Phenol-d5					57.4	54.2		10.0-120				
(S) Nitrobenzene-d5					53.4	44.8		10.0-122				
(S) 2-Fluorobiphenyl					68.9	65.5		15.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/08/25 01:17 • (MS) R4227244-3 06/08/25 01:38 • (MSD) R4227244-4 06/08/25 01:59

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) 2,4,6-Tribromophenol					85.1	76.7		10.0-127				
(S) p-Terphenyl-d14					68.6	74.4		10.0-120				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4227419-2 06/07/25 20:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	112			23.0-120
(S) Nitrobenzene-d5	97.1			14.0-149
(S) 2-Fluorobiphenyl	102			34.0-125

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4227419-1 06/07/25 20:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0685	85.6	50.0-126	
Acenaphthene	0.0800	0.0656	82.0	50.0-120	
Acenaphthylene	0.0800	0.0660	82.5	50.0-120	
Benzo(a)anthracene	0.0800	0.0706	88.3	45.0-120	
Benzo(a)pyrene	0.0800	0.0611	76.4	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0770	96.3	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0813	102	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0762	95.3	49.0-125	
Chrysene	0.0800	0.0748	93.5	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0841	105	47.0-125	
Fluoranthene	0.0800	0.0741	92.6	49.0-129	
Fluorene	0.0800	0.0726	90.8	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4227419-1 06/07/25 20:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Indeno(1,2,3-cd)pyrene	0.0800	0.0767	95.9	46.0-125	
Naphthalene	0.0800	0.0676	84.5	50.0-120	
Phenanthrene	0.0800	0.0730	91.3	47.0-120	
Pyrene	0.0800	0.0728	91.0	43.0-123	
1-Methylnaphthalene	0.0800	0.0705	88.1	51.0-121	
2-Methylnaphthalene	0.0800	0.0686	85.8	50.0-120	
(S) p-Terphenyl-d14			115	23.0-120	
(S) Nitrobenzene-d5			116	14.0-149	
(S) 2-Fluorobiphenyl			109	34.0-125	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 22:59 • (MS) R4227419-3 06/07/25 23:16 • (MSD) R4227419-4 06/07/25 23:34

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 %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0922	ND	0.0531	0.0506	57.5	54.3	1	10.0-145			4.71	30
Acenaphthene	0.0922	ND	0.0515	0.0479	55.8	51.4	1	14.0-127			7.12	27
Acenaphthylene	0.0922	ND	0.0520	0.0479	56.3	51.4	1	21.0-124			8.06	25
Benzo(a)anthracene	0.0922	ND	0.0548	0.0520	59.4	55.8	1	10.0-139			5.26	30
Benzo(a)pyrene	0.0922	ND	0.0585	0.0562	63.5	60.3	1	10.0-141			4.04	31
Benzo(b)fluoranthene	0.0922	ND	0.0603	0.0579	65.3	62.2	1	10.0-140			3.92	36
Benzo(g,h,i)perylene	0.0922	ND	0.0659	0.0638	71.4	68.5	1	10.0-140			3.20	33
Benzo(k)fluoranthene	0.0922	ND	0.0623	0.0603	67.6	64.7	1	10.0-137			3.38	31
Chrysene	0.0922	ND	0.0653	0.0635	70.8	68.2	1	10.0-145			2.65	30
Dibenz(a,h)anthracene	0.0922	ND	0.0726	0.0706	78.7	75.8	1	10.0-132			2.73	31
Fluoranthene	0.0922	ND	0.0555	0.0520	60.2	55.8	1	10.0-153			6.58	33
Fluorene	0.0922	ND	0.0577	0.0567	62.6	60.9	1	11.0-130			1.71	29
Indeno(1,2,3-cd)pyrene	0.0922	ND	0.0593	0.0578	64.3	62.0	1	10.0-137			2.50	32
Naphthalene	0.0922	ND	0.0572	0.0555	62.0	59.6	1	10.0-135			3.03	27
Phenanthrene	0.0922	ND	0.0571	0.0540	61.9	58.0	1	10.0-144			5.49	31
Pyrene	0.0922	ND	0.0570	0.0533	61.8	57.2	1	10.0-148			6.64	35
1-Methylnaphthalene	0.0922	ND	0.0557	0.0520	60.4	55.8	1	10.0-142			7.02	28
2-Methylnaphthalene	0.0922	ND	0.0555	0.0531	60.2	56.9	1	10.0-137			4.49	28
(S) p-Terphenyl-d14					94.8	92.6		23.0-120				
(S) Nitrobenzene-d5					92.4	90.8		14.0-149				
(S) 2-Fluorobiphenyl					82.2	78.3		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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].
MDA	Minimum Detectable Activity.
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RER	Replicate Error Ratio.
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.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
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.
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.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
U	Below Detectable Limits: Indicates that the analyte was not detected.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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.



<p>Pace® Location Requested (City/State): Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122</p>		<p align="center">CHAIN-OF-CUSTODY Analytical Request Document</p> <p align="center"><small>Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields</small></p>		<div style="text-align: center;">  <p>Scan QR Code for instructions</p> </div> <div style="text-align: right; font-size: 2em; font-family: cursive;"> U16792 </div>																																																																																																																																															
<p>Company Name: CTEH, LLC</p> <p>Street Address: 5120 North Shore Drive, North Little Rock, AR 72118</p> <p>Customer Project #: PROJ-054017</p> <p>Project Name: Bishop LOC</p> <p>Site Collection Info/Facility ID (as applicable): Galeton, CO</p> <p>Time Zone Collected: [] AK [] PT [X] MT [] CT [] ET</p>		<p>Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman</p> <p>Phone #:</p> <p>E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com; ahenault@cteh.com</p> <p>Cc E-Mail: ecattlin@cteh.com; mklinkerman@cteh.com</p> <p>Invoice to: CTEH</p> <p>Invoice E-mail: ctehap@montrose-env.com</p> <p>Purchase Order # (if applicable):</p> <p>Quote #:</p>		<p>Specify Container Size **</p> <table border="1" style="width:100%; text-align: center;"> <tr> <td>8oz</td><td>8oz</td><td>8oz</td><td>8oz</td><td>8oz</td><td>10</td><td>6</td><td></td><td></td> </tr> </table> <p>Identify Container Preservative Type***</p> <table border="1" style="width:100%; text-align: center;"> <tr> <td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>4</td><td></td> </tr> </table> <p>Analysis Requested</p> <table border="1" style="width:100%; text-align: center;"> <tr> <td>VOCs 8260D; TPH- GRO/DRO/ORO 8015D</td> <td>SVOCs 8270E; PAH 8270E SIM</td> <td>Metals 6010D, 6020B, C-6 7199</td> <td>Total N/TKN/N-NH3 EPA 350.1, 351.2, 9056A, SW 4500 Norg</td> <td>TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod</td> <td>SAR USDA 20B; Hot Water Soluble Boron</td> <td>Radionuclides (U, Ra 226, RA 228) 901.1 - Bag</td> <td>VOCs 8260D</td> <td>MS/MSD</td> </tr> </table>		8oz	8oz	8oz	8oz	8oz	10	6			1	1	1	1	1	1	1	4		VOCs 8260D; TPH- GRO/DRO/ORO 8015D	SVOCs 8270E; PAH 8270E SIM	Metals 6010D, 6020B, C-6 7199	Total N/TKN/N-NH3 EPA 350.1, 351.2, 9056A, SW 4500 Norg	TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod	SAR USDA 20B; Hot Water Soluble Boron	Radionuclides (U, Ra 226, RA 228) 901.1 - Bag	VOCs 8260D	MS/MSD																																																																																																																			
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<p>Additional Instructions from Pace®: VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn</p>		<p>Collected by: Printed Name: <i>Caleb Green</i> Signature: <i>Caleb Green</i></p>		<p>Customer Remarks / Special Conditions / Possible Hazards:</p> <p># Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [] On Ice</p>																																																																																																																																															
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<div>Pace® Location Requested (City/State): Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122</div>		<div>CHAIN-OF-CUSTODY Analytical Request Document</div> <div>Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields</div>		<div>LAB USE ONLY-Affix Workorder/Login Label Here</div> <div></div> <div>Scan QR Code for instructions</div>																			
Company Name: CTEH, LLC Street Address: 5120 North Shore Drive, North Little Rock, AR 72118		Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tam McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman Phone #: E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com; ahenault@cteh.com Cc E-Mail: ecattlin@cteh.com; mklinkerman@cteh.com																					
Customer Project #: PROJ-054017 Project Name: Bishop LOC Site Collection Info/Facility ID (as applicable): Galeton, CO		Invoice to: CTEH Invoice E-mail: ctehap@montrose-env.com Purchase Order # (if applicable): Quote #:																					
Time Zone Collected: [] AK [] PT [X] MT [] CT [] ET		County / State origin of sample(s): CO																					
Data Deliverables: [X] Level II [] Level III [] Level IV [] EQUIS [] Other		Regulatory Program (DW, RCRA, etc.) as applicable: Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [X] Other 5 Day Date Results Requested:		Reportable [] Yes [] No DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [] Yes [] No Analysis:																			
<div>* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)</div>																							
Customer Sample ID		Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Residual Chlorine		Analysis Requested										Lab Use Only		
				Date	Time	Date	Time		Result	Units													
GAC00606T161S005		SS	G	-	-	6/6/2025	1025	5	-	-	X	X	X	X	X	X	X	X	-	-	Proj. Mgr: 546-Jared Starkey AcctNum / Client ID: CTEHER Table #: Profile / Template: T275920 Prelog / Bottle Ord. ID: P1156679		Preservation non-conformance identified for sample.
GAC00606T161S006		SS	G	-	-	6/6/2025	0910	5	-	-	X	X	X	X	X	X	X	-	-	Sample Comment			
GAC00606T161S007		SS	G	-	-	6/6/2025	0930	13	-	-	X	X	X	X	X	X	X	-	X	-07 -70 -07 -70			
GAC00606T161T002		OT	-	-	-	6/6/2025	0700	2	-	-	-	-	-	-	-	-	-	X	-	Volume for MS/MSD -70 RIF-W			
Additional Instructions from Pace®: VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn		Collected By: Printed Name Signature		Romeo Flores		Customer Remarks / Special Conditions / Possible Hazards:																	
Relinquished by/Company: (Signature)		Date/Time:		06-06-25 18:00		Received by/Company: (Signature)		Date/Time:		06/07/2025 10:15		Tracking Number:											
Relinquished by/Company: (Signature)		Date/Time:				Received by/Company: (Signature)		Date/Time:				Delivered by: [] In-Person [] Courier											
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GAC00606T161S

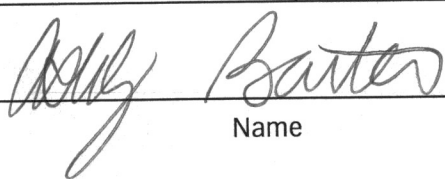
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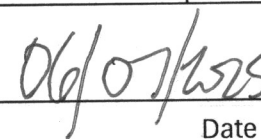
Multiple Parcel Form

L#

11867312

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SWA	TIA9	1.4	0.4	1.8	<input checked="" type="checkbox"/> Yes / No / Not Present
SWA	TIA9	5.2	0.4	5.6	<input checked="" type="checkbox"/> Yes / No / Not Present
SWA	TIA9	1.1	0.4	1.5	<input checked="" type="checkbox"/> Yes / No / Not Present
SWA	TIA9	2.3	0.4	2.7	<input checked="" type="checkbox"/> Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
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Name


Date