

Caerus Oil and Gas

Sample Delivery Group: L1532232
Samples Received: 09/02/2022
Project Number:
Description: OP15 P&H Assessment
Site: OP15 PAD
Report To: Brett Middleton
143 Diamond Avenue
Parachute, CO 81635

Entire Report Reviewed By:



Chris Ward
Project Manager

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

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

SAMPLE SUMMARY

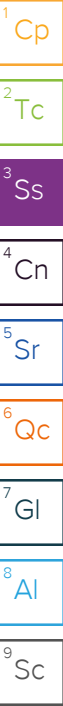
20220831_OP15_WHTP_COMP L1532232-01 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 13:54

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:07	09/16/22 21:07	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 18:50	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1924978	1	09/13/22 10:00	09/13/22 12:39	ARS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1922628	1	09/10/22 08:05	09/12/22 17:33	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 21:31	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1922625	5	09/10/22 08:09	09/11/22 19:16	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1921493	1	09/04/22 11:06	09/08/22 16:20	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 15:32	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924026	1	09/10/22 20:40	09/12/22 06:41	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 13:56	AMM	Mt. Juliet, TN



20220831_OP15_PL01TP_COMP L1532232-02 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 14:15

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:10	09/16/22 21:10	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 18:56	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1924978	1	09/13/22 10:00	09/13/22 12:39	ARS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1922628	1	09/10/22 08:05	09/12/22 16:47	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 21:33	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1922625	5	09/10/22 08:09	09/11/22 18:12	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1921493	1	09/04/22 11:06	09/08/22 16:43	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 15:52	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924026	1	09/10/22 20:40	09/12/22 06:29	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 10:04	AMM	Mt. Juliet, TN

20220831_OP15_PL01 N WALL @ 8FT L1532232-03 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 14:35

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:13	09/16/22 21:13	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 19:11	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1924978	1	09/13/22 10:00	09/13/22 12:39	ARS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1922628	1	09/10/22 08:05	09/12/22 17:36	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 21:36	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1922625	5	09/10/22 08:09	09/11/22 19:19	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1923429	1	09/04/22 11:06	09/09/22 09:38	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 16:11	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 21:46	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 10:22	AMM	Mt. Juliet, TN

20220831_OP15_PL01 E WALL @ 8FT L1532232-04 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 14:40

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:16	09/16/22 21:16	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 19:22	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1924978	1	09/13/22 10:00	09/13/22 12:39	ARS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1922628	1	09/10/22 08:05	09/12/22 17:39	ZSA	Mt. Juliet, TN

SAMPLE SUMMARY

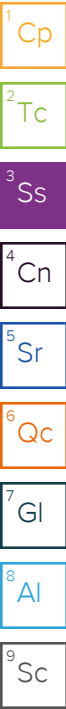
20220831_OP15_PL01 E WALL @ 8FT L1532232-04 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 14:40

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 21:39	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1922625	5	09/10/22 08:09	09/11/22 19:22	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1923429	1	09/04/22 11:06	09/09/22 10:00	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 16:30	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 21:58	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 10:40	AMM	Mt. Juliet, TN



20220831_OP15_PL01 S WALL @ 8FT L1532232-05 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 14:45

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:24	09/16/22 21:24	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 19:27	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1924978	1	09/13/22 10:00	09/13/22 12:39	ARS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1922628	1	09/10/22 08:05	09/12/22 17:47	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 21:42	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1922625	5	09/10/22 08:09	09/11/22 19:33	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1923429	1	09/04/22 11:06	09/09/22 10:50	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 16:49	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 22:11	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 10:58	AMM	Mt. Juliet, TN

20220831_OP15_PL01 W WALL @ 8FT L1532232-06 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 14:50

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:27	09/16/22 21:27	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 19:32	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1924978	1	09/13/22 10:00	09/13/22 12:39	ARS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1922628	1	09/10/22 08:05	09/12/22 17:50	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 21:45	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1922625	5	09/10/22 08:09	09/11/22 19:36	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1923429	1	09/04/22 11:06	09/09/22 11:13	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 17:08	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 22:23	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 11:16	AMM	Mt. Juliet, TN

20220831_OP15_PL01 @ 8FT L1532232-07 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 14:55

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:30	09/16/22 21:30	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 19:37	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1924978	1	09/13/22 10:00	09/13/22 12:39	ARS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1922628	1	09/10/22 08:05	09/12/22 17:53	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 21:48	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1922625	5	09/10/22 08:09	09/11/22 19:39	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1923429	1	09/04/22 11:06	09/09/22 11:36	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 17:26	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 21:33	TJD	Mt. Juliet, TN

SAMPLE SUMMARY

20220831_OP15_PL01 @ 8FT L1532232-07 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 14:55

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 11:33	AMM	Mt. Juliet, TN

20220831_OP15_PL06 N WALL @ 7FT L1532232-08 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 15:14

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:33	09/16/22 21:33	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 19:42	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1924978	1	09/13/22 10:00	09/13/22 12:39	ARS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1923222	1	09/12/22 16:14	09/14/22 00:36	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 21:51	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1923227	5	09/12/22 16:23	09/13/22 20:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1923429	1	09/04/22 11:06	09/09/22 11:59	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 17:46	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 22:36	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 11:51	AMM	Mt. Juliet, TN

20220831_OP15_PL06 E WALL @ 7FT L1532232-09 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 15:20

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:36	09/16/22 21:36	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 19:48	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1925207	1	09/13/22 15:00	09/13/22 16:00	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1923222	1	09/12/22 16:14	09/14/22 00:39	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 21:59	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1923227	5	09/12/22 16:23	09/13/22 20:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1923429	1	09/04/22 11:06	09/09/22 12:22	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 18:05	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 22:48	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 12:09	AMM	Mt. Juliet, TN

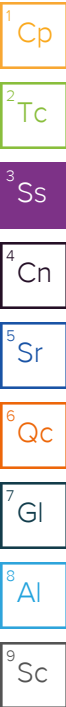
20220831_OP15_PL06 S WALL @ 7FT L1532232-10 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 15:25

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:39	09/16/22 21:39	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 19:53	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1925207	1	09/13/22 15:00	09/13/22 16:00	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1923222	1	09/12/22 16:14	09/14/22 00:42	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 22:02	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1923227	5	09/12/22 16:23	09/13/22 20:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1923429	1	09/04/22 11:06	09/09/22 12:44	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 18:24	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 23:01	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 12:27	AMM	Mt. Juliet, TN



SAMPLE SUMMARY

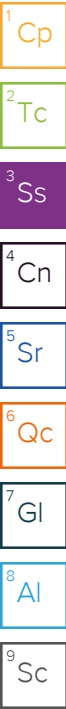
20220831_OP15_PL06 W WALL @ 7FT L1532232-11 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 15:30

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:41	09/16/22 21:41	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 20:13	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1925207	1	09/13/22 15:00	09/13/22 16:00	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924190	1	09/14/22 10:17	09/16/22 14:10	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1923222	1	09/12/22 16:14	09/14/22 00:45	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921386	1	09/05/22 14:41	09/13/22 22:05	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1923227	5	09/12/22 16:23	09/13/22 20:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1921706	1	09/04/22 11:06	09/07/22 14:38	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 18:43	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 20:43	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 12:45	AMM	Mt. Juliet, TN



20220831_OP15_PL06 @ 7FT L1532232-12 Solid

Collected by
Tristan Schmalz

Collected date/time
08/31/22 15:35

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:44	09/16/22 21:44	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 20:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1925207	1	09/13/22 15:00	09/13/22 16:00	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924190	1	09/14/22 10:17	09/16/22 14:10	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1923222	1	09/12/22 16:14	09/14/22 00:48	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921387	1	09/05/22 15:36	09/14/22 00:13	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1923227	5	09/12/22 16:23	09/13/22 21:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1921706	1	09/04/22 11:06	09/07/22 14:59	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 19:02	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 20:56	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 13:02	AMM	Mt. Juliet, TN

20220831_OP15_PL06 TP_COMP L1532232-13 Solid

Collected by
Tristan Schmalz

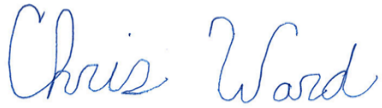
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08/31/22 15:45

Received date/time
09/02/22 09:00

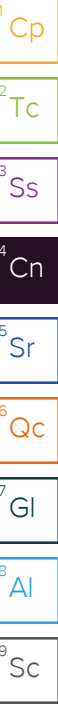
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1924599	1	09/16/22 21:47	09/16/22 21:47	KMG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1924000	1	09/10/22 22:05	09/13/22 20:24	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1925207	1	09/13/22 15:00	09/13/22 16:00	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1924187	1	09/14/22 10:04	09/16/22 12:35	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1923222	1	09/12/22 16:14	09/14/22 00:51	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1921387	1	09/05/22 15:36	09/14/22 00:16	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1923227	5	09/12/22 16:23	09/13/22 21:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1921706	1	09/04/22 11:06	09/07/22 15:19	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1923252	1	09/04/22 11:06	09/08/22 19:21	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1924331	1	09/12/22 09:17	09/12/22 21:08	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1923002	1	09/09/22 05:07	09/10/22 13:20	AMM	Mt. Juliet, TN

CASE NARRATIVE

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



Chris Ward
Project Manager



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.52		1	09/16/2022 21:07	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 18:50	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.22	T8	1	09/13/2022 12:39	WG1924978

Sample Narrative:

L1532232-01 WG1924978: 8.22 at 20.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	424		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-01 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	1160		0.500	1	09/12/2022 17:33	WG1922628
Cadmium	ND		0.500	1	09/12/2022 17:33	WG1922628
Copper	28.6		2.00	1	09/12/2022 17:33	WG1922628
Lead	8.07		0.500	1	09/12/2022 17:33	WG1922628
Nickel	12.7		2.00	1	09/12/2022 17:33	WG1922628
Selenium	ND		2.00	1	09/12/2022 17:33	WG1922628
Silver	ND		1.00	1	09/12/2022 17:33	WG1922628
Zinc	82.1		5.00	1	09/12/2022 17:33	WG1922628

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.322		0.200	1	09/13/2022 21:31	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	3.94		1.00	5	09/11/2022 19:16	WG1922625

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.123	B	0.100	1	09/08/2022 16:20	WG1921493
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		09/08/2022 16:20	WG1921493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 15:32	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 15:32	WG1923252
Toluene	ND		0.00500	1	09/08/2022 15:32	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 15:32	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 15:32	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 15:32	WG1923252
(S) Toluene-d8	95.8		75.0-131		09/08/2022 15:32	WG1923252
(S) 4-Bromofluorobenzene	109		67.0-138		09/08/2022 15:32	WG1923252
(S) 1,2-Dichloroethane-d4	112		70.0-130		09/08/2022 15:32	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	15.0		4.00	1	09/12/2022 06:41	WG1924026
C28-C36 Motor Oil Range	32.6		4.00	1	09/12/2022 06:41	WG1924026
(S) o-Terphenyl	42.1		18.0-148		09/12/2022 06:41	WG1924026

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 13:56	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 13:56	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 13:56	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 13:56	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 13:56	WG1923002
(S) p-Terphenyl-d14	77.2		23.0-120		09/10/2022 13:56	WG1923002
(S) Nitrobenzene-d5	81.6		14.0-149		09/10/2022 13:56	WG1923002
(S) 2-Fluorobiphenyl	83.8		34.0-125		09/10/2022 13:56	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	14.0		1	09/16/2022 21:10	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 18:56	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.21	T8	1	09/13/2022 12:39	WG1924978

Sample Narrative:

L1532232-02 WG1924978: 8.21 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2310		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-02 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	160	J5	0.500	1	09/12/2022 16:47	WG1922628
Cadmium	ND		0.500	1	09/12/2022 16:47	WG1922628
Copper	11.8		2.00	1	09/12/2022 16:47	WG1922628
Lead	8.53		0.500	1	09/12/2022 16:47	WG1922628
Nickel	12.4		2.00	1	09/12/2022 16:47	WG1922628
Selenium	ND		2.00	1	09/12/2022 16:47	WG1922628
Silver	ND		1.00	1	09/12/2022 16:47	WG1922628
Zinc	36.4		5.00	1	09/12/2022 16:47	WG1922628

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

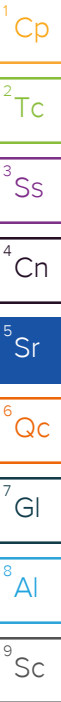
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.08		0.200	1	09/13/2022 21:33	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	4.44		1.00	5	09/11/2022 18:12	WG1922625

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.137	B	0.100	1	09/08/2022 16:43	WG1921493
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		09/08/2022 16:43	WG1921493



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 15:52	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 15:52	WG1923252
Toluene	ND		0.00500	1	09/08/2022 15:52	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 15:52	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 15:52	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 15:52	WG1923252
(S) Toluene-d8	98.8		75.0-131		09/08/2022 15:52	WG1923252
(S) 4-Bromofluorobenzene	102		67.0-138		09/08/2022 15:52	WG1923252
(S) 1,2-Dichloroethane-d4	108		70.0-130		09/08/2022 15:52	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	30.4		4.00	1	09/12/2022 06:29	WG1924026
C28-C36 Motor Oil Range	7.97		4.00	1	09/12/2022 06:29	WG1924026
(S) o-Terphenyl	51.9		18.0-148		09/12/2022 06:29	WG1924026

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 10:04	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 10:04	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 10:04	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 10:04	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 10:04	WG1923002
(S) p-Terphenyl-d14	68.2		23.0-120		09/10/2022 10:04	WG1923002
(S) Nitrobenzene-d5	72.8		14.0-149		09/10/2022 10:04	WG1923002
(S) 2-Fluorobiphenyl	73.3		34.0-125		09/10/2022 10:04	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	10.8		1	09/16/2022 21:13	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 19:11	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.03	T8	1	09/13/2022 12:39	WG1924978

Sample Narrative:

L1532232-03 WG1924978: 8.03 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3920		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-03 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	218		0.500	1	09/12/2022 17:36	WG1922628
Cadmium	ND		0.500	1	09/12/2022 17:36	WG1922628
Copper	15.0		2.00	1	09/12/2022 17:36	WG1922628
Lead	11.4		0.500	1	09/12/2022 17:36	WG1922628
Nickel	16.9		2.00	1	09/12/2022 17:36	WG1922628
Selenium	ND		2.00	1	09/12/2022 17:36	WG1922628
Silver	ND		1.00	1	09/12/2022 17:36	WG1922628
Zinc	50.3		5.00	1	09/12/2022 17:36	WG1922628

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.951		0.200	1	09/13/2022 21:36	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	7.12		1.00	5	09/11/2022 19:19	WG1922625

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.111		0.100	1	09/09/2022 09:38	WG1923429
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		09/09/2022 09:38	WG1923429

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 16:11	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 16:11	WG1923252
Toluene	ND		0.00500	1	09/08/2022 16:11	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 16:11	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 16:11	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 16:11	WG1923252
(S) Toluene-d8	100		75.0-131		09/08/2022 16:11	WG1923252
(S) 4-Bromofluorobenzene	103		67.0-138		09/08/2022 16:11	WG1923252
(S) 1,2-Dichloroethane-d4	106		70.0-130		09/08/2022 16:11	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	09/12/2022 21:46	WG1924331
C28-C36 Motor Oil Range	14.5		4.00	1	09/12/2022 21:46	WG1924331
(S) o-Terphenyl	47.7		18.0-148		09/12/2022 21:46	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 10:22	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 10:22	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 10:22	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 10:22	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 10:22	WG1923002
(S) p-Terphenyl-d14	84.2		23.0-120		09/10/2022 10:22	WG1923002
(S) Nitrobenzene-d5	85.0		14.0-149		09/10/2022 10:22	WG1923002
(S) 2-Fluorobiphenyl	86.5		34.0-125		09/10/2022 10:22	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	31.1		1	09/16/2022 21:16	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 19:22	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.23	T8	1	09/13/2022 12:39	WG1924978

Sample Narrative:

L1532232-04 WG1924978: 8.23 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	9630		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-04 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	230		0.500	1	09/12/2022 17:39	WG1922628
Cadmium	ND		0.500	1	09/12/2022 17:39	WG1922628
Copper	18.0		2.00	1	09/12/2022 17:39	WG1922628
Lead	12.6		0.500	1	09/12/2022 17:39	WG1922628
Nickel	17.4		2.00	1	09/12/2022 17:39	WG1922628
Selenium	ND		2.00	1	09/12/2022 17:39	WG1922628
Silver	ND		1.00	1	09/12/2022 17:39	WG1922628
Zinc	49.2		5.00	1	09/12/2022 17:39	WG1922628

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.73		0.200	1	09/13/2022 21:39	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	9.87		1.00	5	09/11/2022 19:22	WG1922625

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.190		0.100	1	09/09/2022 10:00	WG1923429
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		09/09/2022 10:00	WG1923429

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 16:30	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 16:30	WG1923252
Toluene	ND		0.00500	1	09/08/2022 16:30	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 16:30	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 16:30	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 16:30	WG1923252
(S) Toluene-d8	95.1		75.0-131		09/08/2022 16:30	WG1923252
(S) 4-Bromofluorobenzene	109		67.0-138		09/08/2022 16:30	WG1923252
(S) 1,2-Dichloroethane-d4	110		70.0-130		09/08/2022 16:30	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.97		4.00	1	09/12/2022 21:58	WG1924331
C28-C36 Motor Oil Range	23.8		4.00	1	09/12/2022 21:58	WG1924331
(S) o-Terphenyl	42.1		18.0-148		09/12/2022 21:58	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 10:40	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 10:40	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 10:40	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 10:40	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 10:40	WG1923002
(S) p-Terphenyl-d14	78.3		23.0-120		09/10/2022 10:40	WG1923002
(S) Nitrobenzene-d5	74.4		14.0-149		09/10/2022 10:40	WG1923002
(S) 2-Fluorobiphenyl	78.3		34.0-125		09/10/2022 10:40	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	19.7		1	09/16/2022 21:24	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 19:27	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.08	T8	1	09/13/2022 12:39	WG1924978

Sample Narrative:

L1532232-05 WG1924978: 8.08 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	6850		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-05 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	205		0.500	1	09/12/2022 17:47	WG1922628
Cadmium	ND		0.500	1	09/12/2022 17:47	WG1922628
Copper	16.0		2.00	1	09/12/2022 17:47	WG1922628
Lead	11.6		0.500	1	09/12/2022 17:47	WG1922628
Nickel	15.9		2.00	1	09/12/2022 17:47	WG1922628
Selenium	ND		2.00	1	09/12/2022 17:47	WG1922628
Silver	ND		1.00	1	09/12/2022 17:47	WG1922628
Zinc	46.3		5.00	1	09/12/2022 17:47	WG1922628

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.32		0.200	1	09/13/2022 21:42	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	8.58		1.00	5	09/11/2022 19:33	WG1922625

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.108		0.100	1	09/09/2022 10:50	WG1923429
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		09/09/2022 10:50	WG1923429



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 16:49	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 16:49	WG1923252
Toluene	ND		0.00500	1	09/08/2022 16:49	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 16:49	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 16:49	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 16:49	WG1923252
(S) Toluene-d8	99.1		75.0-131		09/08/2022 16:49	WG1923252
(S) 4-Bromofluorobenzene	102		67.0-138		09/08/2022 16:49	WG1923252
(S) 1,2-Dichloroethane-d4	110		70.0-130		09/08/2022 16:49	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.30		4.00	1	09/12/2022 22:11	WG1924331
C28-C36 Motor Oil Range	14.7		4.00	1	09/12/2022 22:11	WG1924331
(S) o-Terphenyl	27.7		18.0-148		09/12/2022 22:11	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 10:58	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 10:58	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 10:58	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 10:58	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 10:58	WG1923002
(S) p-Terphenyl-d14	80.6		23.0-120		09/10/2022 10:58	WG1923002
(S) Nitrobenzene-d5	80.1		14.0-149		09/10/2022 10:58	WG1923002
(S) 2-Fluorobiphenyl	82.0		34.0-125		09/10/2022 10:58	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	18.5		1	09/16/2022 21:27	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 19:32	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.07	T8	1	09/13/2022 12:39	WG1924978

Sample Narrative:

L1532232-06 WG1924978: 8.07 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	6190		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-06 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	210		0.500	1	09/12/2022 17:50	WG1922628
Cadmium	ND		0.500	1	09/12/2022 17:50	WG1922628
Copper	12.7		2.00	1	09/12/2022 17:50	WG1922628
Lead	10.9		0.500	1	09/12/2022 17:50	WG1922628
Nickel	12.9		2.00	1	09/12/2022 17:50	WG1922628
Selenium	ND		2.00	1	09/12/2022 17:50	WG1922628
Silver	ND		1.00	1	09/12/2022 17:50	WG1922628
Zinc	40.5		5.00	1	09/12/2022 17:50	WG1922628

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

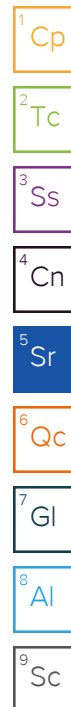
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.27		0.200	1	09/13/2022 21:45	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	7.97		1.00	5	09/11/2022 19:36	WG1922625

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.125		0.100	1	09/09/2022 11:13	WG1923429
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		09/09/2022 11:13	WG1923429



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 17:08	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 17:08	WG1923252
Toluene	ND		0.00500	1	09/08/2022 17:08	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 17:08	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 17:08	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 17:08	WG1923252
(S) Toluene-d8	98.1		75.0-131		09/08/2022 17:08	WG1923252
(S) 4-Bromofluorobenzene	101		67.0-138		09/08/2022 17:08	WG1923252
(S) 1,2-Dichloroethane-d4	107		70.0-130		09/08/2022 17:08	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	8.90		4.00	1	09/12/2022 22:23	WG1924331
C28-C36 Motor Oil Range	27.7		4.00	1	09/12/2022 22:23	WG1924331
(S) o-Terphenyl	27.8		18.0-148		09/12/2022 22:23	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 11:16	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 11:16	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 11:16	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 11:16	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 11:16	WG1923002
(S) p-Terphenyl-d14	75.0		23.0-120		09/10/2022 11:16	WG1923002
(S) Nitrobenzene-d5	74.8		14.0-149		09/10/2022 11:16	WG1923002
(S) 2-Fluorobiphenyl	78.5		34.0-125		09/10/2022 11:16	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	19.4		1	09/16/2022 21:30	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 19:37	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.14	T8	1	09/13/2022 12:39	WG1924978

Sample Narrative:

L1532232-07 WG1924978: 8.14 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	7060		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-07 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	178		0.500	1	09/12/2022 17:53	WG1922628
Cadmium	ND		0.500	1	09/12/2022 17:53	WG1922628
Copper	11.5		2.00	1	09/12/2022 17:53	WG1922628
Lead	8.43		0.500	1	09/12/2022 17:53	WG1922628
Nickel	12.9		2.00	1	09/12/2022 17:53	WG1922628
Selenium	ND		2.00	1	09/12/2022 17:53	WG1922628
Silver	ND		1.00	1	09/12/2022 17:53	WG1922628
Zinc	38.3		5.00	1	09/12/2022 17:53	WG1922628

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.15		0.200	1	09/13/2022 21:48	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	4.87		1.00	5	09/11/2022 19:39	WG1922625

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.124		0.100	1	09/09/2022 11:36	WG1923429
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		09/09/2022 11:36	WG1923429

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 17:26	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 17:26	WG1923252
Toluene	ND		0.00500	1	09/08/2022 17:26	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 17:26	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 17:26	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 17:26	WG1923252
(S) Toluene-d8	98.4		75.0-131		09/08/2022 17:26	WG1923252
(S) 4-Bromofluorobenzene	101		67.0-138		09/08/2022 17:26	WG1923252
(S) 1,2-Dichloroethane-d4	108		70.0-130		09/08/2022 17:26	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	09/12/2022 21:33	WG1924331
C28-C36 Motor Oil Range	17.7		4.00	1	09/12/2022 21:33	WG1924331
(S) o-Terphenyl	57.1		18.0-148		09/12/2022 21:33	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 11:33	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 11:33	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 11:33	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 11:33	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 11:33	WG1923002
(S) p-Terphenyl-d14	77.3		23.0-120		09/10/2022 11:33	WG1923002
(S) Nitrobenzene-d5	77.6		14.0-149		09/10/2022 11:33	WG1923002
(S) 2-Fluorobiphenyl	79.2		34.0-125		09/10/2022 11:33	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	14.2		1	09/16/2022 21:33	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 19:42	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.52	T8	1	09/13/2022 12:39	WG1924978

Sample Narrative:

L1532232-08 WG1924978: 8.52 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1280		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-08 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	237		0.500	1	09/14/2022 00:36	WG1923222
Cadmium	ND		0.500	1	09/14/2022 00:36	WG1923222
Copper	15.2		2.00	1	09/14/2022 00:36	WG1923222
Lead	9.02		0.500	1	09/14/2022 00:36	WG1923222
Nickel	19.2		2.00	1	09/14/2022 00:36	WG1923222
Selenium	ND		2.00	1	09/14/2022 00:36	WG1923222
Silver	ND		1.00	1	09/14/2022 00:36	WG1923222
Zinc	37.4		5.00	1	09/14/2022 00:36	WG1923222

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.36		0.200	1	09/13/2022 21:51	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	9.61		1.00	5	09/13/2022 20:47	WG1923227

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.120		0.100	1	09/09/2022 11:59	WG1923429
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		09/09/2022 11:59	WG1923429

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 17:46	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 17:46	WG1923252
Toluene	ND		0.00500	1	09/08/2022 17:46	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 17:46	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 17:46	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 17:46	WG1923252
(S) Toluene-d8	99.5		75.0-131		09/08/2022 17:46	WG1923252
(S) 4-Bromofluorobenzene	102		67.0-138		09/08/2022 17:46	WG1923252
(S) 1,2-Dichloroethane-d4	106		70.0-130		09/08/2022 17:46	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	8.48		4.00	1	09/12/2022 22:36	WG1924331
C28-C36 Motor Oil Range	22.2		4.00	1	09/12/2022 22:36	WG1924331
(S) o-Terphenyl	29.3		18.0-148		09/12/2022 22:36	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 11:51	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 11:51	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 11:51	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 11:51	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 11:51	WG1923002
(S) p-Terphenyl-d14	68.7		23.0-120		09/10/2022 11:51	WG1923002
(S) Nitrobenzene-d5	72.1		14.0-149		09/10/2022 11:51	WG1923002
(S) 2-Fluorobiphenyl	70.6		34.0-125		09/10/2022 11:51	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	33.0		1	09/16/2022 21:36	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 19:48	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.77	T8	1	09/13/2022 16:00	WG1925207

Sample Narrative:

L1532232-09 WG1925207: 8.77 at 20.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4810		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-09 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	204		0.500	1	09/14/2022 00:39	WG1923222
Cadmium	ND		0.500	1	09/14/2022 00:39	WG1923222
Copper	16.0		2.00	1	09/14/2022 00:39	WG1923222
Lead	9.83		0.500	1	09/14/2022 00:39	WG1923222
Nickel	21.7		2.00	1	09/14/2022 00:39	WG1923222
Selenium	ND		2.00	1	09/14/2022 00:39	WG1923222
Silver	ND		1.00	1	09/14/2022 00:39	WG1923222
Zinc	37.0		5.00	1	09/14/2022 00:39	WG1923222

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

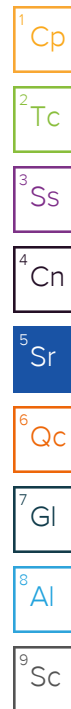
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.69		0.200	1	09/13/2022 21:59	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	9.63		1.00	5	09/13/2022 20:50	WG1923227

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.126		0.100	1	09/09/2022 12:22	WG1923429
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		09/09/2022 12:22	WG1923429



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 18:05	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 18:05	WG1923252
Toluene	ND		0.00500	1	09/08/2022 18:05	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 18:05	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 18:05	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 18:05	WG1923252
(S) Toluene-d8	99.5		75.0-131		09/08/2022 18:05	WG1923252
(S) 4-Bromofluorobenzene	101		67.0-138		09/08/2022 18:05	WG1923252
(S) 1,2-Dichloroethane-d4	107		70.0-130		09/08/2022 18:05	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.64		4.00	1	09/12/2022 22:48	WG1924331
C28-C36 Motor Oil Range	11.5		4.00	1	09/12/2022 22:48	WG1924331
(S) o-Terphenyl	27.0		18.0-148		09/12/2022 22:48	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 12:09	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 12:09	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 12:09	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 12:09	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 12:09	WG1923002
(S) p-Terphenyl-d14	76.4		23.0-120		09/10/2022 12:09	WG1923002
(S) Nitrobenzene-d5	77.8		14.0-149		09/10/2022 12:09	WG1923002
(S) 2-Fluorobiphenyl	79.1		34.0-125		09/10/2022 12:09	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	26.5		1	09/16/2022 21:39	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 19:53	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.60	T8	1	09/13/2022 16:00	WG1925207

Sample Narrative:

L1532232-10 WG1925207: 8.6 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	ND		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-10 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	233		0.500	1	09/14/2022 00:42	WG1923222
Cadmium	ND		0.500	1	09/14/2022 00:42	WG1923222
Copper	15.7		2.00	1	09/14/2022 00:42	WG1923222
Lead	11.3		0.500	1	09/14/2022 00:42	WG1923222
Nickel	23.2		2.00	1	09/14/2022 00:42	WG1923222
Selenium	ND		2.00	1	09/14/2022 00:42	WG1923222
Silver	ND		1.00	1	09/14/2022 00:42	WG1923222
Zinc	36.4		5.00	1	09/14/2022 00:42	WG1923222

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.35		0.200	1	09/13/2022 22:02	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	12.8		1.00	5	09/13/2022 20:54	WG1923227

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.110		0.100	1	09/09/2022 12:44	WG1923429
(S) a,a,a-Trifluorotoluene(FID)	105		77.0-120		09/09/2022 12:44	WG1923429

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 18:24	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 18:24	WG1923252
Toluene	ND		0.00500	1	09/08/2022 18:24	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 18:24	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 18:24	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 18:24	WG1923252
(S) Toluene-d8	99.7		75.0-131		09/08/2022 18:24	WG1923252
(S) 4-Bromofluorobenzene	101		67.0-138		09/08/2022 18:24	WG1923252
(S) 1,2-Dichloroethane-d4	109		70.0-130		09/08/2022 18:24	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	8.12		4.00	1	09/12/2022 23:01	WG1924331
C28-C36 Motor Oil Range	22.9		4.00	1	09/12/2022 23:01	WG1924331
(S) o-Terphenyl	30.3		18.0-148		09/12/2022 23:01	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 12:27	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 12:27	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 12:27	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 12:27	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 12:27	WG1923002
(S) p-Terphenyl-d14	70.3		23.0-120		09/10/2022 12:27	WG1923002
(S) Nitrobenzene-d5	71.2		14.0-149		09/10/2022 12:27	WG1923002
(S) 2-Fluorobiphenyl	71.7		34.0-125		09/10/2022 12:27	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	38.8		1	09/16/2022 21:41	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 20:13	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.76	T8	1	09/13/2022 16:00	WG1925207

Sample Narrative:

L1532232-11 WG1925207: 8.76 at 20.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3740		10.0	1	09/16/2022 14:10	WG1924190

Sample Narrative:

L1532232-11 WG1924190: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	220		0.500	1	09/14/2022 00:45	WG1923222
Cadmium	ND		0.500	1	09/14/2022 00:45	WG1923222
Copper	15.6		2.00	1	09/14/2022 00:45	WG1923222
Lead	9.28		0.500	1	09/14/2022 00:45	WG1923222
Nickel	23.3		2.00	1	09/14/2022 00:45	WG1923222
Selenium	ND		2.00	1	09/14/2022 00:45	WG1923222
Silver	ND		1.00	1	09/14/2022 00:45	WG1923222
Zinc	35.9		5.00	1	09/14/2022 00:45	WG1923222

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.42		0.200	1	09/13/2022 22:05	WG1921386

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	12.0		1.00	5	09/13/2022 20:57	WG1923227

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	09/07/2022 14:38	WG1921706
(S) a,a,a-Trifluorotoluene(FID)	90.8		77.0-120		09/07/2022 14:38	WG1921706

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 18:43	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 18:43	WG1923252
Toluene	ND		0.00500	1	09/08/2022 18:43	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 18:43	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 18:43	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 18:43	WG1923252
(S) Toluene-d8	99.6		75.0-131		09/08/2022 18:43	WG1923252
(S) 4-Bromofluorobenzene	102		67.0-138		09/08/2022 18:43	WG1923252
(S) 1,2-Dichloroethane-d4	108		70.0-130		09/08/2022 18:43	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.13		4.00	1	09/12/2022 20:43	WG1924331
C28-C36 Motor Oil Range	11.1		4.00	1	09/12/2022 20:43	WG1924331
(S) o-Terphenyl	50.5		18.0-148		09/12/2022 20:43	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 12:45	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 12:45	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 12:45	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 12:45	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 12:45	WG1923002
(S) p-Terphenyl-d14	73.0		23.0-120		09/10/2022 12:45	WG1923002
(S) Nitrobenzene-d5	71.9		14.0-149		09/10/2022 12:45	WG1923002
(S) 2-Fluorobiphenyl	74.0		34.0-125		09/10/2022 12:45	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	42.3		1	09/16/2022 21:44	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 20:19	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	9.05	T8	1	09/13/2022 16:00	WG1925207

Sample Narrative:

L1532232-12 WG1925207: 9.05 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4030		10.0	1	09/16/2022 14:10	WG1924190

Sample Narrative:

L1532232-12 WG1924190: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	181		0.500	1	09/14/2022 00:48	WG1923222
Cadmium	ND		0.500	1	09/14/2022 00:48	WG1923222
Copper	16.9		2.00	1	09/14/2022 00:48	WG1923222
Lead	9.28		0.500	1	09/14/2022 00:48	WG1923222
Nickel	31.8		2.00	1	09/14/2022 00:48	WG1923222
Selenium	ND		2.00	1	09/14/2022 00:48	WG1923222
Silver	ND		1.00	1	09/14/2022 00:48	WG1923222
Zinc	36.3		5.00	1	09/14/2022 00:48	WG1923222

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.61		0.200	1	09/14/2022 00:13	WG1921387

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	8.62		1.00	5	09/13/2022 21:00	WG1923227

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	09/07/2022 14:59	WG1921706
(S) a,a,a-Trifluorotoluene(FID)	90.5		77.0-120		09/07/2022 14:59	WG1921706

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 19:02	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 19:02	WG1923252
Toluene	ND		0.00500	1	09/08/2022 19:02	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 19:02	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 19:02	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 19:02	WG1923252
(S) Toluene-d8	96.2		75.0-131		09/08/2022 19:02	WG1923252
(S) 4-Bromofluorobenzene	110		67.0-138		09/08/2022 19:02	WG1923252
(S) 1,2-Dichloroethane-d4	110		70.0-130		09/08/2022 19:02	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	09/12/2022 20:56	WG1924331
C28-C36 Motor Oil Range	6.92		4.00	1	09/12/2022 20:56	WG1924331
(S) o-Terphenyl	56.6		18.0-148		09/12/2022 20:56	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 13:02	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 13:02	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 13:02	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 13:02	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 13:02	WG1923002
(S) p-Terphenyl-d14	74.6		23.0-120		09/10/2022 13:02	WG1923002
(S) Nitrobenzene-d5	78.1		14.0-149		09/10/2022 13:02	WG1923002
(S) 2-Fluorobiphenyl	77.5		34.0-125		09/10/2022 13:02	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	32.2		1	09/16/2022 21:47	WG1924599

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/13/2022 20:24	WG1924000

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.87	T8	1	09/13/2022 16:00	WG1925207

Sample Narrative:

L1532232-13 WG1925207: 8.87 at 20.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4060		10.0	1	09/16/2022 12:35	WG1924187

Sample Narrative:

L1532232-13 WG1924187: at 25C

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Barium	213		0.500	1	09/14/2022 00:51	WG1923222
Cadmium	ND		0.500	1	09/14/2022 00:51	WG1923222
Copper	15.5		2.00	1	09/14/2022 00:51	WG1923222
Lead	9.30		0.500	1	09/14/2022 00:51	WG1923222
Nickel	21.2		2.00	1	09/14/2022 00:51	WG1923222
Selenium	ND		2.00	1	09/14/2022 00:51	WG1923222
Silver	ND		1.00	1	09/14/2022 00:51	WG1923222
Zinc	37.5		5.00	1	09/14/2022 00:51	WG1923222

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.53		0.200	1	09/14/2022 00:16	WG1921387

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	11.4		1.00	5	09/13/2022 21:03	WG1923227

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	09/07/2022 15:19	WG1921706
(S) a,a,a-Trifluorotoluene(FID)	91.0		77.0-120		09/07/2022 15:19	WG1921706

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/08/2022 19:21	WG1923252
Ethylbenzene	ND		0.00250	1	09/08/2022 19:21	WG1923252
Toluene	ND		0.00500	1	09/08/2022 19:21	WG1923252
1,2,4-Trimethylbenzene	ND		0.00500	1	09/08/2022 19:21	WG1923252
1,3,5-Trimethylbenzene	ND		0.00500	1	09/08/2022 19:21	WG1923252
Xylenes, Total	ND		0.00650	1	09/08/2022 19:21	WG1923252
(S) Toluene-d8	93.9		75.0-131		09/08/2022 19:21	WG1923252
(S) 4-Bromofluorobenzene	110		67.0-138		09/08/2022 19:21	WG1923252
(S) 1,2-Dichloroethane-d4	114		70.0-130		09/08/2022 19:21	WG1923252

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.19		4.00	1	09/12/2022 21:08	WG1924331
C28-C36 Motor Oil Range	13.9		4.00	1	09/12/2022 21:08	WG1924331
(S) o-Terphenyl	58.4		18.0-148		09/12/2022 21:08	WG1924331

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Acenaphthene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Benzo(a)anthracene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Benzo(a)pyrene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Benzo(b)fluoranthene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Benzo(k)fluoranthene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Chrysene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Dibenz(a,h)anthracene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Fluoranthene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Fluorene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/10/2022 13:20	WG1923002
Naphthalene	ND		0.0200	1	09/10/2022 13:20	WG1923002
Pyrene	ND		0.00600	1	09/10/2022 13:20	WG1923002
1-Methylnaphthalene	ND		0.0200	1	09/10/2022 13:20	WG1923002
2-Methylnaphthalene	ND		0.0200	1	09/10/2022 13:20	WG1923002
(S) p-Terphenyl-d14	78.9		23.0-120		09/10/2022 13:20	WG1923002
(S) Nitrobenzene-d5	78.5		14.0-149		09/10/2022 13:20	WG1923002
(S) 2-Fluorobiphenyl	80.4		34.0-125		09/10/2022 13:20	WG1923002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3837202-1 09/13/22 18:09

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Hexavalent Chromium	U		0.255	1.00

L1532232-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1532232-03 09/13/22 19:11 • (DUP) R3837202-11 09/13/22 19:16

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

L1532232-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1532232-10 09/13/22 19:53 • (DUP) R3837202-12 09/13/22 19:58

	Original Result	DUP Result	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) R3837202-2 09/13/22 18:14

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	10.3	103	80.0-120	

L1532219-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532219-01 09/13/22 18:24 • (MS) R3837202-7 09/13/22 18:30 • (MSD) R3837202-8 09/13/22 18:35

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	20.0	ND	12.7	14.3	63.4	71.6	1	75.0-125	J6	J6	12.1	20

Sample Narrative:

OS: Sample is a reducer.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1532219-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1532219-01 09/13/22 18:24 • (MS) R3837202-10 09/13/22 18:45

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	636	ND	368	57.9	50	75.0-125	<u>J6</u>

Sample Narrative:

OS: Sample is a reducer.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1532041-66 Original Sample (OS) • Duplicate (DUP)

(OS) L1532041-66 09/13/22 12:39 • (DUP) R3836516-2 09/13/22 12:39

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.73	7.71	1	0.259		1

Sample Narrative:

OS: 7.73 at 21.1C

DUP: 7.71 at 21C

L1532232-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1532232-04 09/13/22 12:39 • (DUP) R3836516-3 09/13/22 12:39

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	pH	su		%		%
pH	8.23	8.16	1	0.854		1

Sample Narrative:

OS: 8.23 at 21.2C

DUP: 8.16 at 21.1C

Laboratory Control Sample (LCS)

(LCS) R3836516-1 09/13/22 12:39

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	su	su	%	%	
pH	10.0	9.91	99.1	99.0-101	

Sample Narrative:

LCS: 9.91 at 21.2C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1532241-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1532241-02 09/13/22 16:00 • (DUP) R3836727-2 09/13/22 16:00

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	pH	su		%		%
pH	8.08	8.14	1	0.740		1

Sample Narrative:

OS: 8.08 at 20.8C

DUP: 8.14 at 20.3C

L1532263-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1532263-02 09/13/22 16:00 • (DUP) R3836727-3 09/13/22 16:00

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	pH	su		%		%
pH	8.14	8.09	1	0.616		1

Sample Narrative:

OS: 8.14 at 20.7C

DUP: 8.09 at 20.8C

Laboratory Control Sample (LCS)

(LCS) R3836727-1 09/13/22 16:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	su	su	%	%	
pH	10.0	9.92	99.2	99.0-101	

Sample Narrative:

LCS: 9.92 at 19.4C



Method Blank (MB)

(MB) R3838001-1 09/16/22 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

L1532217-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1532217-01 09/16/22 12:35 • (DUP) R3838001-3 09/16/22 12:35

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	519	517	1	0.386		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1532232-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1532232-09 09/16/22 12:35 • (DUP) R3838001-4 09/16/22 12:35

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	4810	4840	1	0.622		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3838001-2 09/16/22 12:35

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1120	1090	96.9	85.0-115	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R3838102-1 09/16/22 14:10

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

L1532241-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1532241-03 09/16/22 14:10 • (DUP) R3838102-3 09/16/22 14:10

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	490	488	1	0.409		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1532610-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1532610-01 09/16/22 14:10 • (DUP) R3838102-4 09/16/22 14:10

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	151	152	1	0.662		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3838102-2 09/16/22 14:10

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1120	1150	102	85.0-115	

Sample Narrative:

LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3836296-1 09/12/22 16:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Zinc	U		0.832	5.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3836296-2 09/12/22 16:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	100	102	102	80.0-120	
Cadmium	100	98.0	98.0	80.0-120	
Copper	100	98.8	98.8	80.0-120	
Lead	100	98.3	98.3	80.0-120	
Nickel	100	97.9	97.9	80.0-120	
Selenium	100	100	100	80.0-120	
Silver	20.0	18.5	92.5	80.0-120	
Zinc	100	96.2	96.2	80.0-120	

L1532232-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532232-02 09/12/22 16:47 • (MS) R3836296-5 09/12/22 16:55 • (MSD) R3836296-6 09/12/22 16:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	100	160	271	304	111	144	1	75.0-125		J5	11.2	20
Cadmium	100	ND	110	103	110	103	1	75.0-125			6.86	20
Copper	100	11.8	125	119	113	107	1	75.0-125			4.79	20
Lead	100	8.53	121	114	112	106	1	75.0-125			5.50	20
Nickel	100	12.4	123	118	111	105	1	75.0-125			4.89	20
Selenium	100	ND	113	105	113	105	1	75.0-125			7.10	20
Silver	20.0	ND	21.1	19.9	106	99.7	1	75.0-125			5.93	20
Zinc	100	36.4	134	129	97.2	93.0	1	75.0-125			3.20	20

Method Blank (MB)

(MB) R3836818-1 09/13/22 23:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R3836818-2 09/13/22 23:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	100	91.3	91.3	80.0-120	
Cadmium	100	89.9	89.9	80.0-120	
Copper	100	93.5	93.5	80.0-120	
Lead	100	88.7	88.7	80.0-120	
Nickel	100	91.0	91.0	80.0-120	
Selenium	100	93.4	93.4	80.0-120	
Silver	20.0	18.3	91.3	80.0-120	
Zinc	100	86.6	86.6	80.0-120	

L1532206-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532206-01 09/13/22 23:35 • (MS) R3836818-5 09/13/22 23:43 • (MSD) R3836818-6 09/13/22 23:46

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	100	263	365	364	103	101	1	75.0-125			0.361	20
Cadmium	100	0.673	97.7	97.4	97.0	96.7	1	75.0-125			0.310	20
Copper	100	24.3	125	123	101	98.8	1	75.0-125			1.83	20
Lead	100	12.4	107	107	94.5	94.3	1	75.0-125			0.183	20
Nickel	100	18.9	117	115	97.8	96.4	1	75.0-125			1.24	20
Selenium	100	ND	101	100	101	100	1	75.0-125			0.402	20
Silver	20.0	ND	20.1	20.1	101	100	1	75.0-125			0.286	20
Zinc	100	61.0	141	147	79.5	86.3	1	75.0-125			4.72	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3836824-1 09/13/22 20:52

Analyte	MB Result mg/l	MB Qualifier	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) R3836824-2 09/13/22 20:55 • (LCSD) R3836824-3 09/13/22 20:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	0.997	0.984	99.7	98.4	80.0-120			1.35	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3836834-1 09/14/22 00:04

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) R3836834-2 09/14/22 00:07 • (LCSD) R3836834-3 09/14/22 00:10

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	1.07	1.04	107	104	80.0-120			2.98	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3835944-1 09/11/22 18:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00

Laboratory Control Sample (LCS)

(LCS) R3835944-2 09/11/22 18:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	87.1	87.1	80.0-120	

L1532232-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532232-02 09/11/22 18:12 • (MS) R3835944-5 09/11/22 18:22 • (MSD) R3835944-6 09/11/22 18:25

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	4.44	103	95.8	98.3	91.4	5	75.0-125			6.99	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3836775-1 09/13/22 19:14

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Arsenic	U		0.100	1.00

Laboratory Control Sample (LCS)

(LCS) R3836775-2 09/13/22 19:17

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Arsenic	100	91.1	91.1	80.0-120	

L1532206-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532206-01 09/13/22 19:20 • (MS) R3836775-5 09/13/22 19:30 • (MSD) R3836775-6 09/13/22 19:33

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Arsenic	100	6.79	100	99.5	93.3	92.7	5	75.0-125			0.566	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3835287-2 09/08/22 08:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0218	⬇	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	107			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3835287-1 09/08/22 06:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.77	123	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			117	77.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3834752-2 09/07/22 09:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	95.6			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3834752-1 09/07/22 08:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.84	106	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			101	77.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3835617-2 09/09/22 06:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	107			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3835617-1 09/09/22 05:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.60	83.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			112	77.0-120	

L1532232-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532232-03 09/09/22 09:38 • (MS) R3835617-3 09/09/22 15:53 • (MSD) R3835617-4 09/09/22 16:15

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	0.111	3.10	2.87	54.3	50.2	1	10.0-151			7.71	28
(S) a,a,a-Trifluorotoluene(FID)					107	107		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3835373-3 09/08/22 13:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	95.4			75.0-131
(S) 4-Bromofluorobenzene	107			67.0-138
(S) 1,2-Dichloroethane-d4	113			70.0-130

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

(LCS) R3835373-1 09/08/22 11:01 • (LCSD) R3835373-2 09/08/22 11:20

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 %
Benzene	0.125	0.117	0.123	93.6	98.4	70.0-123			5.00	20
Toluene	0.125	0.107	0.115	85.6	92.0	75.0-121			7.21	20
Ethylbenzene	0.125	0.111	0.124	88.8	99.2	74.0-126			11.1	20
Xylenes, Total	0.375	0.321	0.369	85.6	98.4	72.0-127			13.9	20
1,2,4-Trimethylbenzene	0.125	0.107	0.109	85.6	87.2	70.0-126			1.85	20
1,3,5-Trimethylbenzene	0.125	0.109	0.104	87.2	83.2	73.0-127			4.69	20
(S) Toluene-d8				99.9	94.8	75.0-131				
(S) 4-Bromofluorobenzene				99.0	108	67.0-138				
(S) 1,2-Dichloroethane-d4				115	117	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3836064-1 09/12/22 04:31

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	97.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3836064-2 09/12/22 04:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	39.5	79.0	50.0-150	
(S) o-Terphenyl			91.6	18.0-148	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3836308-1 09/12/22 20:43

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	0.350	<div></div>	0.274	4.00
(S) o-Terphenyl	47.9			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3836308-2 09/12/22 20:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	27.5	55.0	50.0-150	
(S) o-Terphenyl			58.7	18.0-148	

L1532262-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532262-02 09/12/22 21:08 • (MS) R3836308-3 09/12/22 21:21 • (MSD) R3836308-4 09/12/22 21:33

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	47.8	ND	23.2	24.0	42.9	43.8	1	50.0-150	<div>J6</div>	<div>J6</div>	3.39	20
(S) o-Terphenyl					35.0	36.1		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3836112-2 09/10/22 08:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	85.9			23.0-120
(S) Nitrobenzene-d5	88.4			14.0-149
(S) 2-Fluorobiphenyl	89.2			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3836112-1 09/10/22 08:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0676	84.5	50.0-120	
Anthracene	0.0800	0.0616	77.0	50.0-126	
Benzo(a)anthracene	0.0800	0.0668	83.5	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0602	75.3	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0586	73.3	49.0-125	
Benzo(a)pyrene	0.0800	0.0616	77.0	42.0-120	
Chrysene	0.0800	0.0642	80.3	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0588	73.5	47.0-125	
Fluoranthene	0.0800	0.0676	84.5	49.0-129	
Fluorene	0.0800	0.0669	83.6	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0617	77.1	46.0-125	
1-Methylnaphthalene	0.0800	0.0657	82.1	51.0-121	
2-Methylnaphthalene	0.0800	0.0687	85.9	50.0-120	
Naphthalene	0.0800	0.0637	79.6	50.0-120	
Pyrene	0.0800	0.0678	84.8	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R3836112-1 09/10/22 08:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			86.0	23.0-120	
(S) Nitrobenzene-d5			94.8	14.0-149	
(S) 2-Fluorobiphenyl			92.3	34.0-125	

L1532220-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1532220-11 09/10/22 14:14 • (MS) R3836112-3 09/10/22 14:31 • (MSD) R3836112-4 09/10/22 14:49

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0800	ND	0.0674	0.0631	79.1	73.7	1	14.0-127			6.59	27
Anthracene	0.0800	0.00877	0.0625	0.0601	67.2	64.2	1	10.0-145			3.92	30
Benzo(a)anthracene	0.0800	0.0299	0.0848	0.0787	68.6	61.0	1	10.0-139			7.46	30
Benzo(b)fluoranthene	0.0800	0.0407	0.0865	0.0820	57.3	51.6	1	10.0-140			5.34	36
Benzo(k)fluoranthene	0.0800	0.0133	0.0658	0.0629	65.6	62.0	1	10.0-137			4.51	31
Benzo(a)pyrene	0.0800	0.0290	0.0853	0.0810	70.4	65.0	1	10.0-141			5.17	31
Chrysene	0.0800	0.0284	0.0829	0.0783	68.1	62.4	1	10.0-145			5.71	30
Dibenz(a,h)anthracene	0.0800	ND	0.0597	0.0557	69.5	64.5	1	10.0-132			6.93	31
Fluoranthene	0.0800	0.0709	0.102	0.0989	38.9	35.0	1	10.0-153			3.09	33
Fluorene	0.0800	ND	0.0674	0.0617	80.1	73.0	1	11.0-130			8.83	29
Indeno(1,2,3-cd)pyrene	0.0800	0.0228	0.0761	0.0715	66.6	60.9	1	10.0-137			6.23	32
1-Methylnaphthalene	0.0800	0.0243	0.0945	0.0876	87.8	79.1	1	10.0-142			7.58	28
2-Methylnaphthalene	0.0800	0.0318	0.102	0.0968	87.8	81.3	1	10.0-137			5.23	28
Naphthalene	0.0800	ND	0.0845	0.0787	83.8	76.5	1	10.0-135			7.11	27
Pyrene	0.0800	0.0582	0.0979	0.0945	49.6	45.4	1	10.0-148			3.53	35
(S) p-Terphenyl-d14					81.5	78.2		23.0-120				
(S) Nitrobenzene-d5					85.1	81.7		14.0-149				
(S) 2-Fluorobiphenyl					89.2	84.3		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

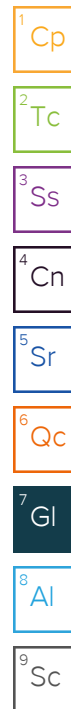
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

Abbreviations and Definitions

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

Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

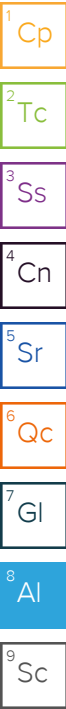
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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



Caerus Oil and Gas 143 Diamond Avenue Parachute, CO 81635						Billing Information: SAME AS LEFT		Analysis / Container / Preservative										Chain of Custody Page ____ of ____							
Report to: Blair Rollins						Email To: brollins@caerusoilandgas.com						Pres Chk										Pace Analytical® National Center for Testing & Innovation			
Project Description: OPIS P+H Assessment						City/State Collected: Piceance Crk, CO				Please Circle: PT <u>(MT)</u> CT ET												12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859			
Phone: (970) 640-6919		Client Project #				Lab Project #														SDG # L153 2232					
Collected by (print): Tristan Schmalz		Site/Facility ID # OPIS Pad				P.O. #														B047					
Collected by (signature): 		Rush? (Lab MUST Be Notified) ____ Same Day ____ Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day				Quote #														Acctnum:					
Immediately		Date Results Needed Standard TAT				No. of Cntrs														Template:					
Packed on Ice N ____ Y <u>X</u>																				Prelogin:					
Sample ID		Comp/Grab		Matrix*		Depth		Date		Time												PM:			
																						PB:			
																						Shipped Via:			
																						Remarks Sample # (lab only)			
20220831_OPIS_WHTP_COMP		COMP		SS		GrS		8/31/2022		13:54		2 X												101	
20220831_OPIS_PLDITP_COMP		COMP		SS		GrS		8/31/2022		14:16		2 X												-02	
20220831_OPIS_PLDINWall@8ft		Grab		SS		8 ft		8/31/2022		14:35		2 X												-93	
20220831_OPIS_PLDIWwall@8ft		Grab		SS		8 ft		8/31/2022		14:40		2 X												-04	
20220831_OPIS_PLDISWall@8ft		Grab		SS		8 ft		8/31/2022		14:45		2 X												-05	
20220831_OPIS_PLDIWWall@8ft		Grab		SS		8 ft		8/31/2022		14:50		2 X												-06	
20220831_OPIS_PLDI@8ft		Grab		SS		8 ft		8/31/2022		14:55		2 X												07	
20220831_OPIS_PLO6NWall@7A		Grab		SS		7 ft		8/31/2022		15:14		1 X												-98	
20220831_OPIS_PLO6EWall@7A		Grab		SS		7 ft		8/31/2022		15:20		1 X												-0	
20220831_OPIS_PLO6SWall@7A		Grab		SS		7 ft		8/31/2022		15:25		1 X												-10	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____						Remarks: Samples returned via: ___ UPS ___ FedEx ___ Courier _____						Tracking # 5755 8085 0190						pH _____ Temp _____ Flow _____ Other _____							
Relinquished by : (Signature) 						Date: 9/1/22		Time: 9:35		Received by: (Signature) 						Trip Blank Received: Yes / No HCL / MeOH TBR									
Relinquished by : (Signature) 						Date: 9/1/22		Time: 1500		Received by: (Signature) 						Temp: °C 15.7 Bottles Received: 17									
Relinquished by : (Signature) 						Date: 9/2/22		Time: 9:00		Received for lab by: (Signature) 						Date: 9/2/22 Time: 9:00									
																		Hold:							
																		Condition: NCF / OK							

Caerus Oil and Gas 143 Diamond Avenue Parachute, CO 81635			Billing Information: SAME AS LEFT			Pres Chk		Analysis / Container / Preservative										Chain of Custody Page ____ of ____			
			Report to: Blair Rollins			Email To: brollins@caerusoilandgas.com			<div style="display: flex; justify-content: space-between;"> <div> 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 </div> </div>												
Project Description: OPIS P + A Assessment			City/State Collected: Piceance Crk, CO			Please Circle: PT <input checked="" type="radio"/> MT <input type="radio"/> CT <input type="radio"/> ET <input type="radio"/>															
Phone: (970) 640-6919			Client Project #			Lab Project #															
Collected by (print): Tristan Schmalz			Site/Facility ID # OPIS Pad			P.O. #															
Collected by (signature): 			Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day			Quote #															
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>			Date Results Needed Standard TAT			No. of Cntrs															
Sample ID			Comp/Grab	Matrix*	Depth	Date	Time														
20220831_OPIS_PLD6WW@7ft			Grab	SS	7ft	8/31/2022	15:30	1	X												
20220831_OPIS_PLD6@7ft			Grab	SS	7ft	8/31/2022	16:56	1	X												
20220831_OPIS_PLD6TP-comp			Comp	SS	GrS	8/31/2022	15:45	1	X												
 8/31/2022																					
Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____			Remarks: Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier			Tracking # 5755 8085 0190			pH _____ Temp _____ Flow _____ Other _____			Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N									
Relinquished by: (Signature) 			Date: 9/1/22 Time: 935			Received by: (Signature) 			Trip Blank Received: Yes / No <input checked="" type="checkbox"/> HCL / MeOH TBR			If preservation required by Login: Date/Time									
Relinquished by: (Signature) 			Date: 9/1/22 Time: 1500			Received by: (Signature) 			Temp: _____ °C Bottles Received: 3			Hold: _____ Condition: NCF / OK									
Relinquished by: (Signature)			Date: _____ Time: _____			Received for lab by: (Signature) 			Date: 9/2/22 Time: 900												