ANALYTICAL REPORT

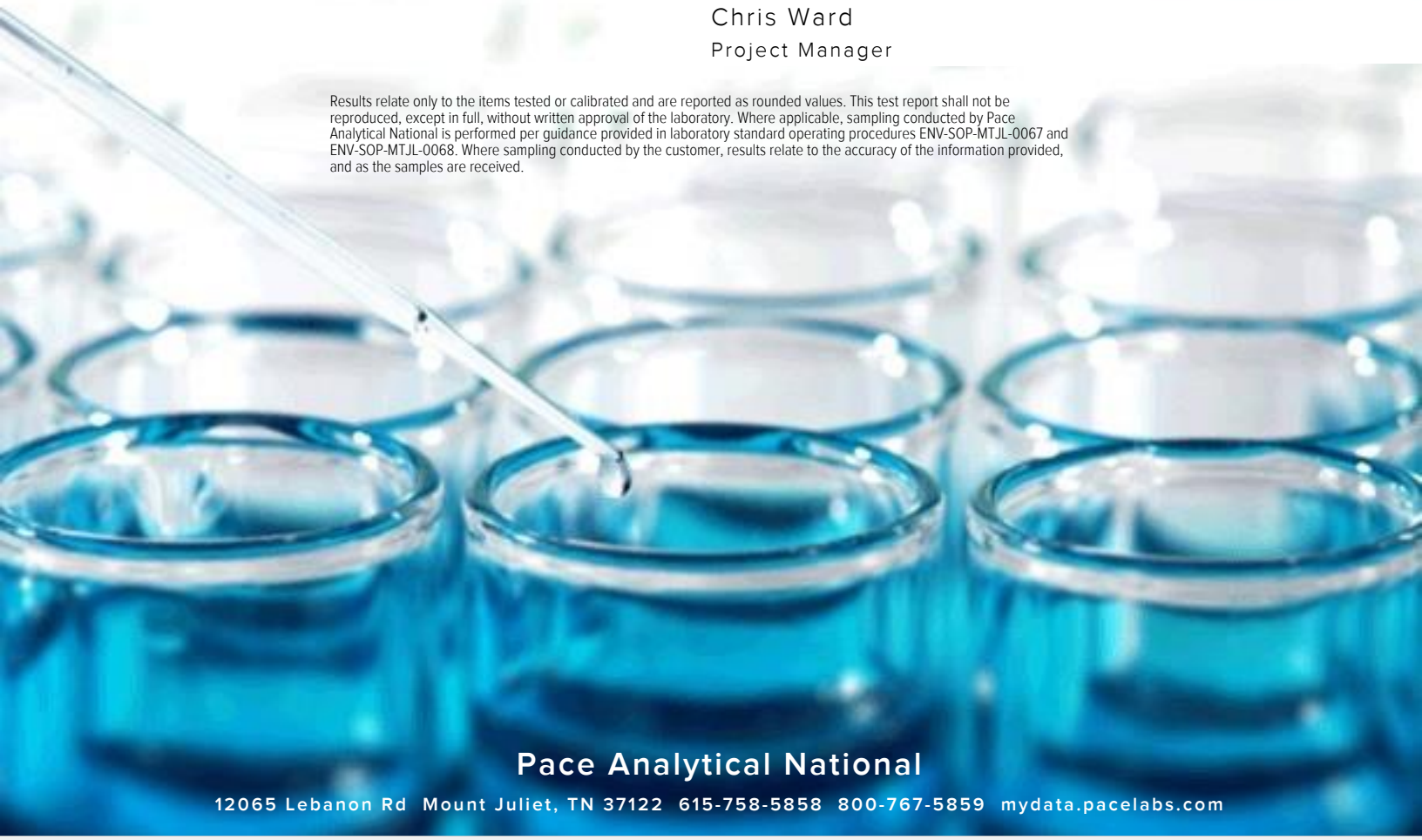
May 19, 2025

Chevron - CO

Sample Delivery Group:	L1856614
Samples Received:	05/08/2025
Project Number:	C024-072
Description:	Noble-UPV-5-5H3
Report To:	Paul H. 2115 117th Avenue Greeley, CO 80631

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



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

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PWVB01 5FT L1856614-01

Collected by: Tucker Chapin | Collected date/time: 05/07/25 11:25 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512325	1	05/15/25 11:51	05/15/25 11:51	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 18:45	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2515621	1	05/15/25 10:12	05/15/25 15:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2515625	1	05/15/25 10:14	05/15/25 20:40	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512326	1	05/14/25 17:38	05/15/25 09:44	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 19:51	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2513440	1	05/09/25 10:37	05/13/25 03:31	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512106	1	05/09/25 10:37	05/11/25 05:34	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2513758	1	05/13/25 16:16	05/14/25 15:14	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2513073	1	05/13/25 09:01	05/13/25 22:17	VDR	Mt. Juliet, TN

PWVS01 4FT L1856614-02

Collected by: Tucker Chapin | Collected date/time: 05/07/25 11:00 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512325	1	05/15/25 11:53	05/15/25 11:53	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/14/25 08:15	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2515621	1	05/15/25 10:12	05/15/25 15:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2515625	1	05/15/25 10:14	05/15/25 20:40	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512326	1	05/14/25 17:38	05/15/25 09:46	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 19:55	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2513440	1	05/09/25 10:37	05/13/25 03:53	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512106	1	05/09/25 10:37	05/11/25 05:54	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2513829	1	05/14/25 09:05	05/14/25 23:23	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2513073	1	05/13/25 09:01	05/13/25 22:35	VDR	Mt. Juliet, TN

FL08 5FT L1856614-03

Collected by: Tucker Chapin | Collected date/time: 05/07/25 11:50 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512325	1	05/15/25 11:56	05/15/25 11:56	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 19:14	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2515621	1	05/15/25 10:12	05/15/25 15:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2515625	1	05/15/25 10:14	05/15/25 20:40	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512326	1	05/14/25 17:38	05/15/25 09:48	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 19:58	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2512660	1	05/09/25 10:37	05/12/25 04:11	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512106	1	05/09/25 10:37	05/11/25 06:14	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2513829	1	05/14/25 09:05	05/14/25 23:37	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2513073	1	05/13/25 09:01	05/13/25 22:52	VDR	Mt. Juliet, TN

SEP01 5FT L1856614-04

Collected by: Tucker Chapin | Collected date/time: 05/07/25 12:05 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512324	1	05/15/25 17:10	05/15/25 17:10	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 19:24	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516080	1	05/15/25 16:09	05/15/25 16:15	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516087	1	05/15/25 16:16	05/15/25 20:10	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512327	1	05/14/25 17:40	05/15/25 09:34	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:01	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2512660	1	05/09/25 10:37	05/12/25 04:35	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512106	1	05/09/25 10:37	05/11/25 06:34	JHH	Mt. Juliet, TN

SEP01 5FT L1856614-04

Collected by: Tucker Chapin | Collected date/time: 05/07/25 12:05 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2513829	1	05/14/25 09:05	05/14/25 20:46	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2513073	1	05/13/25 09:01	05/13/25 23:10	VDR	Mt. Juliet, TN

FL01 5FT L1856614-05

Collected by: Tucker Chapin | Collected date/time: 05/07/25 13:00 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512325	1	05/15/25 11:59	05/15/25 11:59	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 19:34	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2515621	1	05/15/25 10:12	05/15/25 15:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2515625	1	05/15/25 10:14	05/15/25 20:40	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512326	1	05/14/25 17:38	05/15/25 09:53	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:05	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2512660	1	05/09/25 10:37	05/12/25 04:58	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2512106	1	05/09/25 10:37	05/11/25 06:54	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2513829	1	05/14/25 09:05	05/15/25 00:20	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2513073	1	05/13/25 09:01	05/13/25 23:32	VDR	Mt. Juliet, TN

BKG06 0.5FT L1856614-06

Collected by: Tucker Chapin | Collected date/time: 05/07/25 12:30 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512325	1	05/15/25 12:01	05/15/25 12:01	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 19:43	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2515621	1	05/15/25 10:12	05/15/25 15:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2515625	1	05/15/25 10:14	05/15/25 20:40	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512326	1	05/14/25 17:38	05/15/25 09:54	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:08	UNP	Mt. Juliet, TN

BKG06 4FT L1856614-07

Collected by: Tucker Chapin | Collected date/time: 05/07/25 12:40 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512323	1	05/16/25 18:28	05/16/25 18:28	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 19:53	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516795	1	05/16/25 14:07	05/16/25 18:02	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516800	1	05/16/25 14:08	05/16/25 19:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512330	1	05/14/25 16:50	05/15/25 08:26	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:11	UNP	Mt. Juliet, TN

BKG06 5FT L1856614-08

Collected by: Tucker Chapin | Collected date/time: 05/07/25 12:50 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512323	1	05/16/25 18:30	05/16/25 18:30	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 20:22	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516795	1	05/16/25 14:07	05/16/25 18:02	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516800	1	05/16/25 14:08	05/16/25 19:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512330	1	05/14/25 16:50	05/15/25 08:27	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:15	UNP	Mt. Juliet, TN

BKG07 0.5FT L1856614-09

Collected by: Tucker Chapin | Collected date/time: 05/07/25 13:10 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512325	1	05/15/25 12:09	05/15/25 12:09	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 20:32	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2515621	1	05/15/25 10:12	05/15/25 15:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2515625	1	05/15/25 10:14	05/15/25 20:40	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512326	1	05/14/25 17:38	05/15/25 09:56	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:18	UNP	Mt. Juliet, TN

BKG07 4FT L1856614-10

Collected by: Tucker Chapin | Collected date/time: 05/07/25 13:15 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512325	1	05/15/25 12:12	05/15/25 12:12	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 20:41	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2515621	1	05/15/25 10:12	05/15/25 15:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2515625	1	05/15/25 10:14	05/15/25 20:40	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512326	1	05/14/25 17:38	05/15/25 09:58	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:21	UNP	Mt. Juliet, TN

BKG07 5FT L1856614-11

Collected by: Tucker Chapin | Collected date/time: 05/07/25 13:20 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512325	1	05/15/25 12:14	05/15/25 12:14	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 21:00	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2515621	1	05/15/25 10:12	05/15/25 15:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2515625	1	05/15/25 10:14	05/15/25 20:40	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512326	1	05/14/25 17:38	05/15/25 10:00	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 19:13	UNP	Mt. Juliet, TN

BKG08 0.5FT L1856614-12

Collected by: Tucker Chapin | Collected date/time: 05/07/25 13:30 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512325	1	05/15/25 12:17	05/15/25 12:17	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 21:10	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2515621	1	05/15/25 10:12	05/15/25 15:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2515625	1	05/15/25 10:14	05/15/25 20:40	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512326	1	05/14/25 17:38	05/15/25 10:01	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:48	UNP	Mt. Juliet, TN

BKG08 4FT L1856614-13

Collected by: Tucker Chapin | Collected date/time: 05/07/25 13:35 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512323	1	05/16/25 18:32	05/16/25 18:32	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 21:20	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516795	1	05/16/25 14:07	05/16/25 18:02	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516800	1	05/16/25 14:08	05/16/25 19:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512330	1	05/14/25 16:50	05/15/25 08:29	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:52	UNP	Mt. Juliet, TN

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

BKG08 5FT L1856614-14

Collected by: Tucker Chapin | Collected date/time: 05/07/25 13:40 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512323	1	05/16/25 18:34	05/16/25 18:34	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 21:29	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516795	1	05/16/25 14:07	05/16/25 18:02	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516800	1	05/16/25 14:08	05/16/25 19:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512330	1	05/14/25 16:50	05/15/25 08:31	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:55	UNP	Mt. Juliet, TN

BKG09 0.5FT L1856614-15

Collected by: Tucker Chapin | Collected date/time: 05/07/25 13:50 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512323	1	05/16/25 18:35	05/16/25 18:35	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 21:39	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516795	1	05/16/25 14:07	05/16/25 18:02	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516800	1	05/16/25 14:08	05/16/25 19:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512330	1	05/14/25 16:50	05/15/25 08:36	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 20:59	UNP	Mt. Juliet, TN

BKG09 4FT L1856614-16

Collected by: Tucker Chapin | Collected date/time: 05/07/25 13:55 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512323	1	05/16/25 18:37	05/16/25 18:37	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 21:49	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516795	1	05/16/25 14:07	05/16/25 18:02	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516800	1	05/16/25 14:08	05/16/25 19:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512330	1	05/14/25 16:50	05/15/25 08:37	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 21:02	UNP	Mt. Juliet, TN

BKG09 5FT L1856614-17

Collected by: Tucker Chapin | Collected date/time: 05/07/25 14:00 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512323	1	05/16/25 18:42	05/16/25 18:42	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 22:18	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516795	1	05/16/25 14:07	05/16/25 18:02	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516800	1	05/16/25 14:08	05/16/25 19:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512330	1	05/14/25 16:50	05/15/25 08:39	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512071	5	05/13/25 16:55	05/14/25 21:05	UNP	Mt. Juliet, TN

BKG10 0.5FT L1856614-18

Collected by: Tucker Chapin | Collected date/time: 05/07/25 14:10 | Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512323	1	05/16/25 18:44	05/16/25 18:44	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 22:27	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516795	1	05/16/25 14:07	05/16/25 18:02	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516800	1	05/16/25 14:08	05/16/25 19:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512330	1	05/14/25 16:50	05/15/25 08:41	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512057	5	05/14/25 16:38	05/15/25 14:29	JDB	Mt. Juliet, TN

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

BKG10 4FT L1856614-19

Collected by: Tucker Chapin
Collected date/time: 05/07/25 14:15
Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512323	1	05/16/25 18:45	05/16/25 18:45	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 23:16	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516795	1	05/16/25 14:07	05/16/25 18:02	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516800	1	05/16/25 14:08	05/16/25 19:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512330	1	05/14/25 16:50	05/15/25 08:42	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512057	5	05/14/25 16:38	05/15/25 14:32	JDB	Mt. Juliet, TN

BKG10 5FT L1856614-20

Collected by: Tucker Chapin
Collected date/time: 05/07/25 14:20
Received date/time: 05/08/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2512323	1	05/16/25 18:47	05/16/25 18:47	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2511361	1	05/12/25 19:46	05/13/25 23:25	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2516795	1	05/16/25 14:07	05/16/25 18:02	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2516800	1	05/16/25 14:08	05/16/25 19:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2512330	1	05/14/25 16:50	05/15/25 08:44	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2512057	5	05/14/25 16:38	05/15/25 14:36	JDB	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	1.41		1	05/15/2025 11:51	WG2512325

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.399		0.300	1	05/13/2025 18:45	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.05		1	05/15/2025 15:50	WG2515621

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.397	mmhos/cm		0.0100	1	05/15/2025 20:40	WG2515625

Sample Narrative:

L1856614-01 WG2515625: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.212		0.200	1	05/15/2025 09:44	WG2512326

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.77		0.200	5	05/14/2025 19:51	WG2512071
Barium	50.6		10.0	5	05/14/2025 19:51	WG2512071
Cadmium	ND		0.200	5	05/14/2025 19:51	WG2512071
Copper	ND		10.0	5	05/14/2025 19:51	WG2512071
Lead	ND		10.0	5	05/14/2025 19:51	WG2512071
Nickel	14.5		10.0	5	05/14/2025 19:51	WG2512071
Selenium	0.338		0.200	5	05/14/2025 19:51	WG2512071
Silver	ND		0.500	5	05/14/2025 19:51	WG2512071
Zinc	ND		50.0	5	05/14/2025 19:51	WG2512071

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/13/2025 03:31	WG2513440
(S) a,a,a-Trifluorotoluene(FID)	*99.7*		*62.0-128*		*05/13/2025 03:31*	WG2513440

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00200	1	05/11/2025 05:34	WG2512106
Ethylbenzene	ND		0.0100	1	05/11/2025 05:34	WG2512106
Toluene	ND		0.0100	1	05/11/2025 05:34	WG2512106
1,2,4-Trimethylbenzene	ND		0.00500	1	05/11/2025 05:34	WG2512106
1,3,5-Trimethylbenzene	ND		0.00500	1	05/11/2025 05:34	WG2512106

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Xylenes, Total	ND		0.100	1	05/11/2025 05:34	WG2512106
(S) Toluene-d8	*108*		*75.0-131*		*05/11/2025 05:34*	WG2512106
(S) 4-Bromofluorobenzene	*97.8*		*67.0-138*		*05/11/2025 05:34*	WG2512106
(S) 1,2-Dichloroethane-d4	*83.7*		*70.0-130*		*05/11/2025 05:34*	WG2512106

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	23.2		4.00	1	05/14/2025 15:14	WG2513758
C28-C36 Motor Oil Range	51.2		4.00	1	05/14/2025 15:14	WG2513758
(S) o-Terphenyl	*60.3*		*18.0-148*		*05/14/2025 15:14*	WG2513758

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Acenaphthene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Acenaphthylene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Benzo(a)anthracene	ND		0.00600	1	05/13/2025 22:17	WG2513073
Benzo(a)pyrene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Benzo(b)fluoranthene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Benzo(g,h,i)perylene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Benzo(k)fluoranthene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Chrysene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Dibenz(a,h)anthracene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Fluoranthene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Fluorene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Naphthalene	ND		0.00300	1	05/13/2025 22:17	WG2513073
Phenanthrene	ND		0.0330	1	05/13/2025 22:17	WG2513073
Pyrene	ND		0.0330	1	05/13/2025 22:17	WG2513073
1-Methylnaphthalene	ND		0.00300	1	05/13/2025 22:17	WG2513073
2-Methylnaphthalene	ND		0.0120	1	05/13/2025 22:17	WG2513073
(S) p-Terphenyl-d14	*115*		*23.0-120*		*05/13/2025 22:17*	WG2513073
(S) Nitrobenzene-d5	*113*		*14.0-149*		*05/13/2025 22:17*	WG2513073
(S) 2-Fluorobiphenyl	*109*		*34.0-125*		*05/13/2025 22:17*	WG2513073

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.74		1	05/15/2025 11:53	WG2512325

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 08:15	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	9.13		1	05/15/2025 15:50	WG2515621

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.404	mmhos/cm		0.0100	1	05/15/2025 20:40	WG2515625

Sample Narrative:

L1856614-02 WG2515625: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.740		0.200	1	05/15/2025 09:46	WG2512326

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.03		0.200	5	05/14/2025 19:55	WG2512071
Barium	45.6		10.0	5	05/14/2025 19:55	WG2512071
Cadmium	ND		0.200	5	05/14/2025 19:55	WG2512071
Copper	ND		10.0	5	05/14/2025 19:55	WG2512071
Lead	ND		10.0	5	05/14/2025 19:55	WG2512071
Nickel	14.6		10.0	5	05/14/2025 19:55	WG2512071
Selenium	0.435		0.200	5	05/14/2025 19:55	WG2512071
Silver	ND		0.500	5	05/14/2025 19:55	WG2512071
Zinc	ND		50.0	5	05/14/2025 19:55	WG2512071

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/13/2025 03:53	WG2513440
(S) a,a,a-Trifluorotoluene(FID)	*99.2*		*62.0-128*		*05/13/2025 03:53*	WG2513440

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00200	1	05/11/2025 05:54	WG2512106
Ethylbenzene	ND		0.0100	1	05/11/2025 05:54	WG2512106
Toluene	ND		0.0100	1	05/11/2025 05:54	WG2512106
1,2,4-Trimethylbenzene	ND		0.00500	1	05/11/2025 05:54	WG2512106
1,3,5-Trimethylbenzene	ND		0.00500	1	05/11/2025 05:54	WG2512106

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Xylenes, Total	ND		0.100	1	05/11/2025 05:54	WG2512106
(S) Toluene-d8	*109*		*75.0-131*		*05/11/2025 05:54*	WG2512106
(S) 4-Bromofluorobenzene	*95.2*		*67.0-138*		*05/11/2025 05:54*	WG2512106
(S) 1,2-Dichloroethane-d4	*83.6*		*70.0-130*		*05/11/2025 05:54*	WG2512106

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	05/14/2025 23:23	WG2513829
C28-C36 Motor Oil Range	6.37		4.00	1	05/14/2025 23:23	WG2513829
(S) o-Terphenyl	*49.4*		*18.0-148*		*05/14/2025 23:23*	WG2513829

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Acenaphthene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Acenaphthylene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Benzo(a)anthracene	ND		0.00600	1	05/13/2025 22:35	WG2513073
Benzo(a)pyrene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Benzo(b)fluoranthene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Benzo(g,h,i)perylene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Benzo(k)fluoranthene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Chrysene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Dibenz(a,h)anthracene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Fluoranthene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Fluorene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Naphthalene	ND		0.00300	1	05/13/2025 22:35	WG2513073
Phenanthrene	ND		0.0330	1	05/13/2025 22:35	WG2513073
Pyrene	ND		0.0330	1	05/13/2025 22:35	WG2513073
1-Methylnaphthalene	ND		0.00300	1	05/13/2025 22:35	WG2513073
2-Methylnaphthalene	ND		0.0120	1	05/13/2025 22:35	WG2513073
(S) p-Terphenyl-d14	*80.4*		*23.0-120*		*05/13/2025 22:35*	WG2513073
(S) Nitrobenzene-d5	*93.4*		*14.0-149*		*05/13/2025 22:35*	WG2513073
(S) 2-Fluorobiphenyl	*80.4*		*34.0-125*		*05/13/2025 22:35*	WG2513073

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.283		1	05/15/2025 11:56	WG2512325

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 19:14	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.21		1	05/15/2025 15:50	WG2515621

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.121	mmhos/cm		0.0100	1	05/15/2025 20:40	WG2515625

Sample Narrative:

L1856614-03 WG2515625: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 09:48	WG2512326

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.03		0.200	5	05/14/2025 19:58	WG2512071
Barium	48.9		10.0	5	05/14/2025 19:58	WG2512071
Cadmium	ND		0.200	5	05/14/2025 19:58	WG2512071
Copper	ND		10.0	5	05/14/2025 19:58	WG2512071
Lead	ND		10.0	5	05/14/2025 19:58	WG2512071
Nickel	ND		10.0	5	05/14/2025 19:58	WG2512071
Selenium	0.427		0.200	5	05/14/2025 19:58	WG2512071
Silver	ND		0.500	5	05/14/2025 19:58	WG2512071
Zinc	ND		50.0	5	05/14/2025 19:58	WG2512071

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/12/2025 04:11	WG2512660
(S) a,a,a-Trifluorotoluene(FID)	*99.0*		*77.0-120*		*05/12/2025 04:11*	WG2512660

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00200	1	05/11/2025 06:14	WG2512106
Ethylbenzene	ND		0.0100	1	05/11/2025 06:14	WG2512106
Toluene	ND		0.0100	1	05/11/2025 06:14	WG2512106
1,2,4-Trimethylbenzene	ND		0.00500	1	05/11/2025 06:14	WG2512106
1,3,5-Trimethylbenzene	ND		0.00500	1	05/11/2025 06:14	WG2512106

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Xylenes, Total	ND		0.100	1	05/11/2025 06:14	WG2512106
(S) Toluene-d8	*109*		*75.0-131*		*05/11/2025 06:14*	WG2512106
(S) 4-Bromofluorobenzene	*96.8*		*67.0-138*		*05/11/2025 06:14*	WG2512106
(S) 1,2-Dichloroethane-d4	*82.8*		*70.0-130*		*05/11/2025 06:14*	WG2512106

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	4.21		4.00	1	05/14/2025 23:37	WG2513829
C28-C36 Motor Oil Range	8.64		4.00	1	05/14/2025 23:37	WG2513829
(S) o-Terphenyl	*64.4*		*18.0-148*		*05/14/2025 23:37*	WG2513829

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Acenaphthene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Acenaphthylene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Benzo(a)anthracene	ND		0.00600	1	05/13/2025 22:52	WG2513073
Benzo(a)pyrene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Benzo(b)fluoranthene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Benzo(g,h,i)perylene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Benzo(k)fluoranthene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Chrysene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Dibenz(a,h)anthracene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Fluoranthene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Fluorene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Naphthalene	ND		0.00300	1	05/13/2025 22:52	WG2513073
Phenanthrene	ND		0.0330	1	05/13/2025 22:52	WG2513073
Pyrene	ND		0.0330	1	05/13/2025 22:52	WG2513073
1-Methylnaphthalene	ND		0.00300	1	05/13/2025 22:52	WG2513073
2-Methylnaphthalene	ND		0.0120	1	05/13/2025 22:52	WG2513073
(S) p-Terphenyl-d14	*99.6*		*23.0-120*		*05/13/2025 22:52*	WG2513073
(S) Nitrobenzene-d5	*103*		*14.0-149*		*05/13/2025 22:52*	WG2513073
(S) 2-Fluorobiphenyl	*97.8*		*34.0-125*		*05/13/2025 22:52*	WG2513073

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.99		1	05/15/2025 17:10	WG2512324

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 19:24	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.85		1	05/15/2025 16:15	WG2516080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.230	mmhos/cm		0.0100	1	05/15/2025 20:10	WG2516087

Sample Narrative:

L1856614-04 WG2516087: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 09:34	WG2512327

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.84		0.200	5	05/14/2025 20:01	WG2512071
Barium	48.6		10.0	5	05/14/2025 20:01	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:01	WG2512071
Copper	ND		10.0	5	05/14/2025 20:01	WG2512071
Lead	ND		10.0	5	05/14/2025 20:01	WG2512071
Nickel	11.8		10.0	5	05/14/2025 20:01	WG2512071
Selenium	0.322		0.200	5	05/14/2025 20:01	WG2512071
Silver	ND		0.500	5	05/14/2025 20:01	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:01	WG2512071

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/12/2025 04:35	WG2512660
(S) a,a,a-Trifluorotoluene(FID)	*99.0*		*77.0-120*		*05/12/2025 04:35*	WG2512660

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00200	1	05/11/2025 06:34	WG2512106
Ethylbenzene	ND		0.0100	1	05/11/2025 06:34	WG2512106
Toluene	ND		0.0100	1	05/11/2025 06:34	WG2512106
1,2,4-Trimethylbenzene	ND		0.00500	1	05/11/2025 06:34	WG2512106
1,3,5-Trimethylbenzene	ND		0.00500	1	05/11/2025 06:34	WG2512106

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Xylenes, Total	ND		0.100	1	05/11/2025 06:34	WG2512106
(S) Toluene-d8	*106*		*75.0-131*		*05/11/2025 06:34*	WG2512106
(S) 4-Bromofluorobenzene	*95.1*		*67.0-138*		*05/11/2025 06:34*	WG2512106
(S) 1,2-Dichloroethane-d4	*83.6*		*70.0-130*		*05/11/2025 06:34*	WG2512106

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	05/14/2025 20:46	WG2513829
C28-C36 Motor Oil Range	ND		4.00	1	05/14/2025 20:46	WG2513829
(S) o-Terphenyl	*45.1*		*18.0-148*		*05/14/2025 20:46*	WG2513829

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Acenaphthene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Acenaphthylene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Benzo(a)anthracene	ND		0.00600	1	05/13/2025 23:10	WG2513073
Benzo(a)pyrene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Benzo(b)fluoranthene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Benzo(g,h,i)perylene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Benzo(k)fluoranthene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Chrysene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Dibenz(a,h)anthracene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Fluoranthene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Fluorene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Naphthalene	ND		0.00300	1	05/13/2025 23:10	WG2513073
Phenanthrene	ND		0.0330	1	05/13/2025 23:10	WG2513073
Pyrene	ND		0.0330	1	05/13/2025 23:10	WG2513073
1-Methylnaphthalene	ND		0.00300	1	05/13/2025 23:10	WG2513073
2-Methylnaphthalene	ND		0.0120	1	05/13/2025 23:10	WG2513073
(S) p-Terphenyl-d14	*68.1*		*23.0-120*		*05/13/2025 23:10*	WG2513073
(S) Nitrobenzene-d5	*76.0*		*14.0-149*		*05/13/2025 23:10*	WG2513073
(S) 2-Fluorobiphenyl	*75.0*		*34.0-125*		*05/13/2025 23:10*	WG2513073

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.725		1	05/15/2025 11:59	WG2512325

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 19:34	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.28		1	05/15/2025 15:50	WG2515621

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.268	mmhos/cm		0.0100	1	05/15/2025 20:40	WG2515625

Sample Narrative:

L1856614-05 WG2515625: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 09:53	WG2512326

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.11		0.200	5	05/14/2025 20:05	WG2512071
Barium	50.7		10.0	5	05/14/2025 20:05	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:05	WG2512071
Copper	ND		10.0	5	05/14/2025 20:05	WG2512071
Lead	ND		10.0	5	05/14/2025 20:05	WG2512071
Nickel	ND		10.0	5	05/14/2025 20:05	WG2512071
Selenium	0.502		0.200	5	05/14/2025 20:05	WG2512071
Silver	ND		0.500	5	05/14/2025 20:05	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:05	WG2512071

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/12/2025 04:58	WG2512660
(S) a,a,a-Trifluorotoluene(FID)	*98.8*		*77.0-120*		*05/12/2025 04:58*	WG2512660

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00200	1	05/11/2025 06:54	WG2512106
Ethylbenzene	ND		0.0100	1	05/11/2025 06:54	WG2512106
Toluene	ND		0.0100	1	05/11/2025 06:54	WG2512106
1,2,4-Trimethylbenzene	ND		0.00500	1	05/11/2025 06:54	WG2512106
1,3,5-Trimethylbenzene	ND		0.00500	1	05/11/2025 06:54	WG2512106

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Xylenes, Total	ND		0.100	1	05/11/2025 06:54	WG2512106
(S) Toluene-d8	*108*		*75.0-131*		*05/11/2025 06:54*	WG2512106
(S) 4-Bromofluorobenzene	*96.3*		*67.0-138*		*05/11/2025 06:54*	WG2512106
(S) 1,2-Dichloroethane-d4	*82.9*		*70.0-130*		*05/11/2025 06:54*	WG2512106

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	7.54		4.00	1	05/15/2025 00:20	WG2513829
C28-C36 Motor Oil Range	27.7		4.00	1	05/15/2025 00:20	WG2513829
(S) o-Terphenyl	*66.9*		*18.0-148*		*05/15/2025 00:20*	WG2513829

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Acenaphthene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Acenaphthylene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Benzo(a)anthracene	ND		0.00600	1	05/13/2025 23:32	WG2513073
Benzo(a)pyrene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Benzo(b)fluoranthene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Benzo(g,h,i)perylene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Benzo(k)fluoranthene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Chrysene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Dibenz(a,h)anthracene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Fluoranthene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Fluorene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Naphthalene	ND		0.00300	1	05/13/2025 23:32	WG2513073
Phenanthrene	ND		0.0330	1	05/13/2025 23:32	WG2513073
Pyrene	ND		0.0330	1	05/13/2025 23:32	WG2513073
1-Methylnaphthalene	ND		0.00300	1	05/13/2025 23:32	WG2513073
2-Methylnaphthalene	ND		0.0120	1	05/13/2025 23:32	WG2513073
(S) p-Terphenyl-d14	*111*		*23.0-120*		*05/13/2025 23:32*	WG2513073
(S) Nitrobenzene-d5	*138*		*14.0-149*		*05/13/2025 23:32*	WG2513073
(S) 2-Fluorobiphenyl	*109*		*34.0-125*		*05/13/2025 23:32*	WG2513073

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0709		1	05/15/2025 12:01	WG2512325

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 19:43	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.33		1	05/15/2025 15:50	WG2515621

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.122	mmhos/cm		0.0100	1	05/15/2025 20:40	WG2515625

Sample Narrative:

L1856614-06 WG2515625: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 09:54	WG2512326

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.28		0.200	5	05/14/2025 20:08	WG2512071
Barium	29.3		10.0	5	05/14/2025 20:08	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:08	WG2512071
Copper	ND		10.0	5	05/14/2025 20:08	WG2512071
Lead	ND		10.0	5	05/14/2025 20:08	WG2512071
Nickel	ND		10.0	5	05/14/2025 20:08	WG2512071
Selenium	0.387		0.200	5	05/14/2025 20:08	WG2512071
Silver	ND		0.500	5	05/14/2025 20:08	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:08	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.163		1	05/16/2025 18:28	WG2512323

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 19:53	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.67		1	05/16/2025 18:02	WG2516795

Sample Narrative:

L1856614-07 WG2516795: 7.67 at 24.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.155	mmhos/cm		0.0100	1	05/16/2025 19:50	WG2516800

Sample Narrative:

L1856614-07 WG2516800: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 08:26	WG2512330

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.95		0.200	5	05/14/2025 20:11	WG2512071
Barium	77.4		10.0	5	05/14/2025 20:11	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:11	WG2512071
Copper	ND		10.0	5	05/14/2025 20:11	WG2512071
Lead	ND		10.0	5	05/14/2025 20:11	WG2512071
Nickel	ND		10.0	5	05/14/2025 20:11	WG2512071
Selenium	0.378		0.200	5	05/14/2025 20:11	WG2512071
Silver	ND		0.500	5	05/14/2025 20:11	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:11	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.159		1	05/16/2025 18:30	WG2512323

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 20:22	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.63		1	05/16/2025 18:02	WG2516795

Sample Narrative:

L1856614-08 WG2516795: 7.63 at 24.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.106	mmhos/cm		0.0100	1	05/16/2025 19:50	WG2516800

Sample Narrative:

L1856614-08 WG2516800: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 08:27	WG2512330

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.44		0.200	5	05/14/2025 20:15	WG2512071
Barium	27.9		10.0	5	05/14/2025 20:15	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:15	WG2512071
Copper	ND		10.0	5	05/14/2025 20:15	WG2512071
Lead	ND		10.0	5	05/14/2025 20:15	WG2512071
Nickel	ND		10.0	5	05/14/2025 20:15	WG2512071
Selenium	0.379		0.200	5	05/14/2025 20:15	WG2512071
Silver	ND		0.500	5	05/14/2025 20:15	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:15	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0691		1	05/15/2025 12:09	WG2512325

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 20:32	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.64		1	05/15/2025 15:50	WG2515621

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.187	mmhos/cm		0.0100	1	05/15/2025 20:40	WG2515625

Sample Narrative:

L1856614-09 WG2515625: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 09:56	WG2512326

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.55		0.200	5	05/14/2025 20:18	WG2512071
Barium	37.3		10.0	5	05/14/2025 20:18	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:18	WG2512071
Copper	ND		10.0	5	05/14/2025 20:18	WG2512071
Lead	ND		10.0	5	05/14/2025 20:18	WG2512071
Nickel	ND		10.0	5	05/14/2025 20:18	WG2512071
Selenium	0.319		0.200	5	05/14/2025 20:18	WG2512071
Silver	ND		0.500	5	05/14/2025 20:18	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:18	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.215		1	05/15/2025 12:12	WG2512325

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 20:41	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.29		1	05/15/2025 15:50	WG2515621

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.142	mmhos/cm		0.0100	1	05/15/2025 20:40	WG2515625

Sample Narrative:

L1856614-10 WG2515625: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 09:58	WG2512326

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.75		0.200	5	05/14/2025 20:21	WG2512071
Barium	59.9		10.0	5	05/14/2025 20:21	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:21	WG2512071
Copper	ND		10.0	5	05/14/2025 20:21	WG2512071
Lead	ND		10.0	5	05/14/2025 20:21	WG2512071
Nickel	ND		10.0	5	05/14/2025 20:21	WG2512071
Selenium	0.425		0.200	5	05/14/2025 20:21	WG2512071
Silver	ND		0.500	5	05/14/2025 20:21	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:21	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.187		1	05/15/2025 12:14	WG2512325

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 21:00	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.95		1	05/15/2025 15:50	WG2515621

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.255	mmhos/cm		0.0100	1	05/15/2025 20:40	WG2515625

Sample Narrative:

L1856614-11 WG2515625: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 10:00	WG2512326

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.96		0.200	5	05/14/2025 19:13	WG2512071
Barium	48.6		10.0	5	05/14/2025 19:13	WG2512071
Cadmium	ND		0.200	5	05/14/2025 19:13	WG2512071
Copper	ND		10.0	5	05/14/2025 19:13	WG2512071
Lead	ND		10.0	5	05/14/2025 19:13	WG2512071
Nickel	ND		10.0	5	05/14/2025 19:13	WG2512071
Selenium	0.447		0.200	5	05/14/2025 19:13	WG2512071
Silver	ND		0.500	5	05/14/2025 19:13	WG2512071
Zinc	ND		50.0	5	05/14/2025 19:13	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0650		1	05/15/2025 12:17	WG2512325

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 21:10	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.43		1	05/15/2025 15:50	WG2515621

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.119	mmhos/cm		0.0100	1	05/15/2025 20:40	WG2515625

Sample Narrative:

L1856614-12 WG2515625: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 10:01	WG2512326

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.51		0.200	5	05/14/2025 20:48	WG2512071
Barium	26.9		10.0	5	05/14/2025 20:48	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:48	WG2512071
Copper	ND		10.0	5	05/14/2025 20:48	WG2512071
Lead	ND		10.0	5	05/14/2025 20:48	WG2512071
Nickel	ND		10.0	5	05/14/2025 20:48	WG2512071
Selenium	0.308		0.200	5	05/14/2025 20:48	WG2512071
Silver	ND		0.500	5	05/14/2025 20:48	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:48	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.136		1	05/16/2025 18:32	WG2512323

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 21:20	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.26		1	05/16/2025 18:02	WG2516795

Sample Narrative:

L1856614-13 WG2516795: 7.26 at 24.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.0851	mmhos/cm		0.0100	1	05/16/2025 19:50	WG2516800

Sample Narrative:

L1856614-13 WG2516800: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 08:29	WG2512330

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.88		0.200	5	05/14/2025 20:52	WG2512071
Barium	35.7		10.0	5	05/14/2025 20:52	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:52	WG2512071
Copper	ND		10.0	5	05/14/2025 20:52	WG2512071
Lead	ND		10.0	5	05/14/2025 20:52	WG2512071
Nickel	ND		10.0	5	05/14/2025 20:52	WG2512071
Selenium	0.566		0.200	5	05/14/2025 20:52	WG2512071
Silver	ND		0.500	5	05/14/2025 20:52	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:52	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.135		1	05/16/2025 18:34	WG2512323

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 21:29	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.44		1	05/16/2025 18:02	WG2516795

Sample Narrative:

L1856614-14 WG2516795: 7.44 at 24.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.0750	mmhos/cm		0.0100	1	05/16/2025 19:50	WG2516800

Sample Narrative:

L1856614-14 WG2516800: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 08:31	WG2512330

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.04		0.200	5	05/14/2025 20:55	WG2512071
Barium	27.9		10.0	5	05/14/2025 20:55	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:55	WG2512071
Copper	ND		10.0	5	05/14/2025 20:55	WG2512071
Lead	ND		10.0	5	05/14/2025 20:55	WG2512071
Nickel	ND		10.0	5	05/14/2025 20:55	WG2512071
Selenium	0.338		0.200	5	05/14/2025 20:55	WG2512071
Silver	ND		0.500	5	05/14/2025 20:55	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:55	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0476		1	05/16/2025 18:35	WG2512323

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 21:39	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.29		1	05/16/2025 18:02	WG2516795

Sample Narrative:

L1856614-15 WG2516795: 6.29 at 24.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.110	mmhos/cm		0.0100	1	05/16/2025 19:50	WG2516800

Sample Narrative:

L1856614-15 WG2516800: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 08:36	WG2512330

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.74		0.200	5	05/14/2025 20:59	WG2512071
Barium	33.0		10.0	5	05/14/2025 20:59	WG2512071
Cadmium	ND		0.200	5	05/14/2025 20:59	WG2512071
Copper	ND		10.0	5	05/14/2025 20:59	WG2512071
Lead	ND		10.0	5	05/14/2025 20:59	WG2512071
Nickel	ND		10.0	5	05/14/2025 20:59	WG2512071
Selenium	0.429		0.200	5	05/14/2025 20:59	WG2512071
Silver	ND		0.500	5	05/14/2025 20:59	WG2512071
Zinc	ND		50.0	5	05/14/2025 20:59	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.146		1	05/16/2025 18:37	WG2512323

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 21:49	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.34		1	05/16/2025 18:02	WG2516795

Sample Narrative:

L1856614-16 WG2516795: 7.34 at 24.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.116	mmhos/cm		0.0100	1	05/16/2025 19:50	WG2516800

Sample Narrative:

L1856614-16 WG2516800: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 08:37	WG2512330

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.66		0.200	5	05/14/2025 21:02	WG2512071
Barium	39.5		10.0	5	05/14/2025 21:02	WG2512071
Cadmium	ND		0.200	5	05/14/2025 21:02	WG2512071
Copper	ND		10.0	5	05/14/2025 21:02	WG2512071
Lead	ND		10.0	5	05/14/2025 21:02	WG2512071
Nickel	ND		10.0	5	05/14/2025 21:02	WG2512071
Selenium	0.462		0.200	5	05/14/2025 21:02	WG2512071
Silver	ND		0.500	5	05/14/2025 21:02	WG2512071
Zinc	ND		50.0	5	05/14/2025 21:02	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.105		1	05/16/2025 18:42	WG2512323

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 22:18	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.37		1	05/16/2025 18:02	WG2516795

Sample Narrative:

L1856614-17 WG2516795: 7.37 at 24.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.0879	mmhos/cm		0.0100	1	05/16/2025 19:50	WG2516800

Sample Narrative:

L1856614-17 WG2516800: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 08:39	WG2512330

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.95		0.200	5	05/14/2025 21:05	WG2512071
Barium	37.0		10.0	5	05/14/2025 21:05	WG2512071
Cadmium	ND		0.200	5	05/14/2025 21:05	WG2512071
Copper	ND		10.0	5	05/14/2025 21:05	WG2512071
Lead	ND		10.0	5	05/14/2025 21:05	WG2512071
Nickel	ND		10.0	5	05/14/2025 21:05	WG2512071
Selenium	0.380		0.200	5	05/14/2025 21:05	WG2512071
Silver	ND		0.500	5	05/14/2025 21:05	WG2512071
Zinc	ND		50.0	5	05/14/2025 21:05	WG2512071

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0579		1	05/16/2025 18:44	WG2512323

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 22:27	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	5.77		1	05/16/2025 18:02	WG2516795

Sample Narrative:

L1856614-18 WG2516795: 5.77 at 24.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.127	mmhos/cm		0.0100	1	05/16/2025 19:50	WG2516800

Sample Narrative:

L1856614-18 WG2516800: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 08:41	WG2512330

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.56		0.200	5	05/15/2025 14:29	WG2512057
Barium	24.6		10.0	5	05/15/2025 14:29	WG2512057
Cadmium	ND		0.200	5	05/15/2025 14:29	WG2512057
Copper	ND		10.0	5	05/15/2025 14:29	WG2512057
Lead	ND		10.0	5	05/15/2025 14:29	WG2512057
Nickel	ND		10.0	5	05/15/2025 14:29	WG2512057
Selenium	0.292		0.200	5	05/15/2025 14:29	WG2512057
Silver	ND		0.500	5	05/15/2025 14:29	WG2512057
Zinc	ND		50.0	5	05/15/2025 14:29	WG2512057

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.281		1	05/16/2025 18:45	WG2512323

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 23:16	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.74		1	05/16/2025 18:02	WG2516795

Sample Narrative:

L1856614-19 WG2516795: 7.74 at 24.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.106	mmhos/cm		0.0100	1	05/16/2025 19:50	WG2516800

Sample Narrative:

L1856614-19 WG2516800: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 08:42	WG2512330

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.60		0.200	5	05/15/2025 14:32	WG2512057
Barium	35.1		10.0	5	05/15/2025 14:32	WG2512057
Cadmium	ND		0.200	5	05/15/2025 14:32	WG2512057
Copper	ND		10.0	5	05/15/2025 14:32	WG2512057
Lead	ND		10.0	5	05/15/2025 14:32	WG2512057
Nickel	ND		10.0	5	05/15/2025 14:32	WG2512057
Selenium	0.346		0.200	5	05/15/2025 14:32	WG2512057
Silver	ND		0.500	5	05/15/2025 14:32	WG2512057
Zinc	ND		50.0	5	05/15/2025 14:32	WG2512057

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.204		1	05/16/2025 18:47	WG2512323

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/13/2025 23:25	WG2511361

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.68		1	05/16/2025 18:02	WG2516795

Sample Narrative:

L1856614-20 WG2516795: 7.68 at 25C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.0936	mmhos/cm		0.0100	1	05/16/2025 19:50	WG2516800

Sample Narrative:

L1856614-20 WG2516800: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/15/2025 08:44	WG2512330

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.63		0.200	5	05/15/2025 14:36	WG2512057
Barium	32.5		10.0	5	05/15/2025 14:36	WG2512057
Cadmium	ND		0.200	5	05/15/2025 14:36	WG2512057
Copper	ND		10.0	5	05/15/2025 14:36	WG2512057
Lead	ND		10.0	5	05/15/2025 14:36	WG2512057
Nickel	ND		10.0	5	05/15/2025 14:36	WG2512057
Selenium	0.318		0.200	5	05/15/2025 14:36	WG2512057
Silver	ND		0.500	5	05/15/2025 14:36	WG2512057
Zinc	ND		50.0	5	05/15/2025 14:36	WG2512057

QUALITY CONTROL SUMMARY

L1856614-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

(MB) R4214355-1 05/13/25 18:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.300	0.300

L1856614-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1856614-10 05/13/25 20:41 • (DUP) R4214355-4 05/13/25 20:51

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

L1856614-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1856614-02 05/13/25 18:55 • (DUP) R4214355-9 05/14/25 08:06

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

Laboratory Control Sample (LCS)

(LCS) R4214355-2 05/13/25 18:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.98	99.8	80.0-120	

L1856614-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1856614-18 05/13/25 22:27 • (MS) R4214355-5 05/13/25 22:37 • (MSD) R4214355-6 05/13/25 22:47

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 %
Hexavalent Chromium	20.0	ND	18.6	19.6	93.2	97.8	1	75.0-125			4.72	20

L1856614-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1856614-18 05/13/25 22:27 • (MS) R4214355-7 05/13/25 22:56

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	646	ND	612	94.7	50	75.0-125	

L1856509-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1856509-01 05/15/25 15:50 • (DUP) R4215493-2 05/15/25 15:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.52	8.52	1	0.000		1

L1856666-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1856666-03 05/15/25 15:50 • (DUP) R4215493-3 05/15/25 15:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.78	7.78	1	0.000		1

Laboratory Control Sample (LCS)

(LCS) R4215493-1 05/15/25 15:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.98	99.8	99.0-101	

L1856502-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1856502-01 05/15/25 16:15 • (DUP) R4215491-2 05/15/25 16:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.94	6.95	1	0.144		1

Sample Narrative:

OS: 0

DUP: 0

L1856653-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1856653-10 05/15/25 16:15 • (DUP) R4215491-3 05/15/25 16:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.48	8.48	1	0.000		1

Sample Narrative:

OS: 0

DUP: 0

Laboratory Control Sample (LCS)

(LCS) R4215491-1 05/15/25 16:15

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.97	99.7	99.0-101	

Sample Narrative:

LCS: 0

L1856509-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1856509-02 05/16/25 18:02 • (DUP) R4216037-2 05/16/25 18:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.24	8.22	1	0.243		1

Sample Narrative:

OS: 8.24 at 24.6C

DUP: 8.22 at 24.6C

L1856662-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1856662-02 05/16/25 18:02 • (DUP) R4216037-3 05/16/25 18:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.30	8.31	1	0.120		1

Sample Narrative:

OS: 8.3 at 24.7C

DUP: 8.31 at 24.6C

Laboratory Control Sample (LCS)

(LCS) R4216037-1 05/16/25 18:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 23.6C

Method Blank (MB)

(MB) R4215543-1 05/15/25 20:40

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1856509-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1856509-09 05/15/25 20:40 • (DUP) R4215543-3 05/15/25 20:40

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.616	0.617	1	0.162		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1856666-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1856666-02 05/15/25 20:40 • (DUP) R4215543-4 05/15/25 20:40

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	0.0544	1	0.000		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4215543-2 05/15/25 20:40

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1.13	1.14	101	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4215537-1 05/15/25 20:10

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1856502-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1856502-01 05/15/25 20:10 • (DUP) R4215537-3 05/15/25 20:10

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	0.376	1	0.000		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1856653-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1856653-10 05/15/25 20:10 • (DUP) R4215537-4 05/15/25 20:10

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	0.187	1	0.321		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4215537-2 05/15/25 20:10

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1.13	1.08	95.8	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4216069-1 05/16/25 19:50

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1856509-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1856509-03 05/16/25 19:50 • (DUP) R4216069-3 05/16/25 19:50

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.255	0.253	1	0.472		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1856662-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1856662-01 05/16/25 19:50 • (DUP) R4216069-4 05/16/25 19:50

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	0.157	1	0.000		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4216069-2 05/16/25 19:50

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1.13	1.12	99.5	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4215330-1 05/15/25 09:32

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) R4215330-2 05/15/25 09:34 • (LCSD) R4215330-3 05/15/25 09:35

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	1.11	1.13	111	113	80.0-120			1.69	20

Method Blank (MB)

(MB) R4215343-1 05/15/25 08:53

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) R4215343-2 05/15/25 08:55 • (LCSD) R4215343-3 05/15/25 08:58

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	1.08	1.08	108	108	80.0-120			0.690	20

Method Blank (MB)

(MB) R4215329-1 05/15/25 08:15

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) R4215329-2 05/15/25 08:17 • (LCSD) R4215329-3 05/15/25 08:19

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	1.13	1.11	113	111	80.0-120			1.31	20

Method Blank (MB)

(MB) R4215314-1 05/15/25 12:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.200	0.200
Barium	U		10.0	10.0
Cadmium	U		0.200	0.200
Copper	U		10.0	10.0
Lead	U		10.0	10.0
Nickel	U		10.0	10.0
Selenium	U		0.200	0.200
Silver	U		0.500	0.500
Zinc	U		50.0	50.0

Laboratory Control Sample (LCS)

(LCS) R4215314-2 05/15/25 12:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	103	103	80.0-120	
Barium	100	101	101	80.0-120	
Cadmium	100	103	103	80.0-120	
Copper	100	104	104	80.0-120	
Lead	100	100	100	80.0-120	
Nickel	100	106	106	80.0-120	
Selenium	100	102	102	80.0-120	
Silver	20.0	20.4	102	80.0-120	
Zinc	100	103	103	80.0-120	

L1856540-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1856540-04 05/15/25 12:54 • (MS) R4215314-5 05/15/25 13:04 • (MSD) R4215314-6 05/15/25 13:08

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	5.53	118	114	113	109	5	75.0-125			3.54	20
Barium	100	83.3	205	199	122	116	5	75.0-125			3.03	20
Cadmium	100	ND	109	106	109	106	5	75.0-125			2.86	20
Copper	100	ND	120	118	120	118	5	75.0-125			2.04	20
Lead	100	ND	115	113	115	113	5	75.0-125			2.27	20
Nickel	100	ND	123	119	123	119	5	75.0-125			2.92	20
Selenium	100	0.548	112	108	112	108	5	75.0-125			3.90	20
Silver	20.0	ND	21.7	21.1	109	105	5	75.0-125			2.91	20
Zinc	100	ND	153	147	153	147	5	75.0-125	J5	J5	4.24	20

Method Blank (MB)

(MB) R4214862-1 05/14/25 19:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.200	0.200
Barium	U		10.0	10.0
Cadmium	U		0.200	0.200
Copper	U		10.0	10.0
Lead	U		10.0	10.0
Nickel	U		10.0	10.0
Selenium	U		0.200	0.200
Silver	U		0.500	0.500
Zinc	U		50.0	50.0

Laboratory Control Sample (LCS)

(LCS) R4214862-2 05/14/25 19:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	106	106	80.0-120	
Barium	100	107	107	80.0-120	
Cadmium	100	102	102	80.0-120	
Copper	100	102	102	80.0-120	
Lead	100	105	105	80.0-120	
Nickel	100	106	106	80.0-120	
Selenium	100	103	103	80.0-120	
Silver	20.0	20.7	103	80.0-120	
Zinc	100	102	102	80.0-120	

L1856614-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1856614-11 05/14/25 19:13 • (MS) R4214862-5 05/14/25 19:23 • (MSD) R4214862-6 05/14/25 19:27

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	1.96	99.5	112	97.5	111	5	75.0-125			12.3	20
Barium	100	48.6	158	172	109	123	5	75.0-125			8.79	20
Cadmium	100	ND	93.4	105	93.4	105	5	75.0-125			11.7	20
Copper	100	ND	96.3	109	96.3	109	5	75.0-125			12.3	20
Lead	100	ND	100	113	100	113	5	75.0-125			11.9	20
Nickel	100	ND	103	117	103	117	5	75.0-125			12.3	20
Selenium	100	0.447	96.2	108	95.7	107	5	75.0-125			11.2	20
Silver	20.0	ND	19.0	21.7	95.1	108	5	75.0-125			13.0	20
Zinc	100	ND	109	122	109	122	5	75.0-125			11.4	20

Method Blank (MB)

(MB) R4213668-2 05/12/25 00:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0279	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.9*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4213668-1 05/11/25 23:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.61	92.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*77.0-120*	

Method Blank (MB)

(MB) R4213882-2 05/13/25 02:01

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)	*99.7*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4213882-1 05/13/25 00:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.64	113	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*77.0-120*	

Method Blank (MB)

(MB) R4215188-3 05/11/25 00:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.00200	0.00200
Ethylbenzene	U		0.0100	0.0100
Toluene	U		0.0100	0.0100
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	*108*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*82.3*			*70.0-130*

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

(LCS) R4215188-1 05/10/25 23:14 • (LCSD) R4215188-2 05/10/25 23:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.108	0.111	86.4	88.8	70.0-123			2.74	20
Ethylbenzene	0.125	0.125	0.129	100	103	74.0-126			3.15	20
Toluene	0.125	0.128	0.132	102	106	75.0-121			3.08	20
1,2,4-Trimethylbenzene	0.125	0.118	0.122	94.4	97.6	70.0-126			3.33	20
1,3,5-Trimethylbenzene	0.125	0.114	0.119	91.2	95.2	73.0-127			4.29	20
Xylenes, Total	0.375	0.351	0.366	93.6	97.6	72.0-127			4.18	20
(S) Toluene-d8				*109*	*107*	*75.0-131*				
(S) 4-Bromofluorobenzene				*94.6*	*95.1*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*87.3*	*87.5*	*70.0-130*				

L1856534-48 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1856534-48 05/11/25 02:34 • (MS) R4215188-4 05/11/25 07:54 • (MSD) R4215188-5 05/11/25 08:14

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	ND	0.0684	0.101	54.7	80.8	1	10.0-149		J3	38.5	37
Ethylbenzene	0.125	ND	0.0841	0.123	67.3	98.4	1	10.0-160			37.6	38
Toluene	0.125	ND	0.0838	0.119	67.0	95.2	1	10.0-156			34.7	38
1,2,4-Trimethylbenzene	0.125	ND	0.0862	0.115	69.0	92.0	1	10.0-160			28.6	36
1,3,5-Trimethylbenzene	0.125	ND	0.0826	0.109	66.1	87.2	1	10.0-160			27.6	38
Xylenes, Total	0.375	ND	0.241	0.344	64.3	91.7	1	10.0-160			35.2	38
(S) Toluene-d8					*108*	*107*		*75.0-131*				
(S) 4-Bromofluorobenzene					*95.5*	*97.5*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*83.6*	*86.4*		*70.0-130*				

Method Blank (MB)

(MB) R4214710-1 05/14/25 09:27

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*69.8*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4214710-2 05/14/25 09:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	42.6	85.2	50.0-150	
(S) o-Terphenyl			*75.5*	*18.0-148*	

L1856534-52 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1856534-52 05/14/25 13:15 • (MS) R4214710-3 05/14/25 13:29 • (MSD) R4214710-4 05/14/25 13:43

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	50.0	ND	38.7	38.1	77.4	77.4	1	50.0-150			1.56	20
(S) o-Terphenyl					*63.1*	*68.3*		*18.0-148*				

Method Blank (MB)

(MB) R4214925-1 05/14/25 17:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U	U	1.61	4.00
C28-C36 Motor Oil Range	U	U	0.274	4.00
(S) o-Terphenyl	*68.8*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4214925-2 05/14/25 17:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	38.7	77.4	50.0-150	
(S) o-Terphenyl			*67.1*	*18.0-148*	

L1856626-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1856626-07 05/14/25 18:31 • (MS) R4214925-3 05/14/25 18:46 • (MSD) R4214925-4 05/14/25 19:00

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	48.2	ND	33.1	32.7	62.2	61.0	1	50.0-150			1.22	20
(S) o-Terphenyl					*52.5*	*50.0*		*18.0-148*				

Method Blank (MB)

(MB) R4214293-2 05/13/25 16:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	*105*			*23.0-120*
(S) Nitrobenzene-d5	*114*			*14.0-149*
(S) 2-Fluorobiphenyl	*94.8*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4214293-1 05/13/25 16:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0614	76.8	50.0-126	
Acenaphthene	0.0800	0.0629	78.6	50.0-120	
Acenaphthylene	0.0800	0.0640	80.0	50.0-120	
Benzo(a)anthracene	0.0800	0.0651	81.4	45.0-120	
Benzo(a)pyrene	0.0800	0.0507	63.4	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0618	77.3	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0615	76.9	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0628	78.5	49.0-125	
Chrysene	0.0800	0.0682	85.3	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0621	77.6	47.0-125	
Fluoranthene	0.0800	0.0643	80.4	49.0-129	
Fluorene	0.0800	0.0652	81.5	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4214293-1 05/13/25 16:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0611	76.4	46.0-125	
Naphthalene	0.0800	0.0674	84.3	50.0-120	
Phenanthrene	0.0800	0.0650	81.3	47.0-120	
Pyrene	0.0800	0.0670	83.8	43.0-123	
1-Methylnaphthalene	0.0800	0.0671	83.9	51.0-121	
2-Methylnaphthalene	0.0800	0.0637	79.6	50.0-120	
(S) p-Terphenyl-d14			*109*	*23.0-120*	
(S) Nitrobenzene-d5			*121*	*14.0-149*	
(S) 2-Fluorobiphenyl			*97.1*	*34.0-125*	

L1856639-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1856639-02 05/13/25 17:32 • (MS) R4214293-3 05/13/25 17:50 • (MSD) R4214293-4 05/13/25 18:08

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0792	ND	0.0555	0.0547	70.1	68.4	1	10.0-145			1.45	30
Acenaphthene	0.0792	ND	0.0552	0.0526	69.7	65.8	1	14.0-127			4.82	27
Acenaphthylene	0.0792	ND	0.0569	0.0542	71.8	67.8	1	21.0-124			4.86	25
Benzo(a)anthracene	0.0792	ND	0.0581	0.0566	73.4	70.8	1	10.0-139			2.62	30
Benzo(a)pyrene	0.0792	ND	0.0550	0.0524	69.4	65.5	1	10.0-141			4.84	31
Benzo(b)fluoranthene	0.0792	ND	0.0555	0.0516	70.1	64.5	1	10.0-140			7.28	36
Benzo(g,h,i)perylene	0.0792	ND	0.0531	0.0519	67.0	64.9	1	10.0-140			2.29	33
Benzo(k)fluoranthene	0.0792	ND	0.0535	0.0497	67.6	62.1	1	10.0-137			7.36	31
Chrysene	0.0792	ND	0.0600	0.0574	75.8	71.8	1	10.0-145			4.43	30
Dibenz(a,h)anthracene	0.0792	ND	0.0531	0.0546	67.0	68.3	1	10.0-132			2.79	31
Fluoranthene	0.0792	ND	0.0576	0.0550	72.7	68.8	1	10.0-153			4.62	33
Fluorene	0.0792	ND	0.0590	0.0551	74.5	68.9	1	11.0-130			6.84	29
Indeno(1,2,3-cd)pyrene	0.0792	ND	0.0519	0.0515	65.5	64.4	1	10.0-137			0.774	32
Naphthalene	0.0792	ND	0.0588	0.0512	74.2	64.0	1	10.0-135			13.8	27
Phenanthrene	0.0792	ND	0.0584	0.0575	73.7	71.9	1	10.0-144			1.55	31
Pyrene	0.0792	ND	0.0578	0.0545	73.0	68.1	1	10.0-148			5.88	35
1-Methylnaphthalene	0.0792	ND	0.0591	0.0539	74.6	67.4	1	10.0-142			9.20	28
2-Methylnaphthalene	0.0792	ND	0.0568	0.0522	71.7	65.3	1	10.0-137			8.44	28
(S) p-Terphenyl-d14					*98.1*	*92.7*		*23.0-120*				
(S) Nitrobenzene-d5					*112*	*106*		*14.0-149*				
(S) 2-Fluorobiphenyl					*95.5*	*91.5*		*34.0-125*				

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
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
U	Below Detectable Limits: Indicates that the analyte was not detected.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Chevron - CO

2115 117th Avenue
Greeley, CO 80631

Billing Information:
Dan Peterson
2115 117th Avenue
Greeley, CO 80631

Report to:
Paul H. 970-304-5000

Email To: danpeterson@chevron.com;paulh@frem
ason.davidson@chevron.com;chrisl@fremontenv.

Project Description:
lotte - UPV-5-5H3

City/State Collected: Kersey

Please Circle: PT (MT) CT ET

Regulatory Program(DOD,RCRA,DW,etc): ECMC

Client Project # CO24-072

Lab Project # CHEGCO-FREMONT

Collected by (print): Tucker Chapin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day X STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
ntenv.com;aaronc@fremontenv.com;j
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1655614

E032

Acctnum: CHEGCO
Template: T268712
Prelogin: P1140480
PM: 824 - Chris Ward
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth ft	Date	Time	No. of Cntrs	BG Table 915-1 4ozClr-NoPres	Full Table 915-1 4ozClr-NoPres	Remarks	Sample # (lab only)
PWVB01 5ft	Grab	SS	5	5/7/25	1125	3		X		01
PWVS01 4ft		SS	4		1100			X		02
FL08 5ft			5		1156			X		03
SEP01 5ft			5		1205			X		04
FL01 5ft			5		1300			X		05
BKG06 0.5ft			0.5		1230	2	X			06
BKG06 4ft			4		1240		X			07
BKG06 5ft			5		1250		X			08
BKG07 0.5ft			0.5		1310		X			09
BKG07 4ft			4		1315		X			10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # multi

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by: (Signature)	Date: 5/7/25	Time: 1655	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	Date: 5/7/25	Time: 1800	Received by: (Signature)	Temp: °C Bottles Received: multi: 45 — If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-8-25 Time: 0800 — Hold: — Condition: NCF / OK

Company Name/Address:
Chevron - CO

2115 117th Avenue
Greeley, CO 80631

Billing Information:
Dan Peterson
2115 117th Avenue
Greeley, CO 80631

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122

Report to:
Paul H. 970-304-5000

Email To: danpeterson@chevron.com;paulh@frem... ntenv.com;aaronb@fremontenv.com;j...
ason.davidson@chevron.com;chrisl@fremontenv.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Project Description:
Noble - UPV-5-5H3

City/State Collected: Kersey

Please Circle: PT MT CT ET

SDG # L1851664

Table #

Regulatory Program(DOD,RCRA,DW,etc):
Ecmc

Client Project #
C024-072

Lab Project #
CHEGCO-FREMONT

Acctnum: **CHEGCO**

Template:**T268712**

Prelogin: **P1140480**

PM: **824 - Chris Ward**

PB:

Collected by (print):
Tucker Chaplin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day X STD TAT

Quote #

Date Results Needed

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth ft	Date	Time	No. of Cntrs	BG Table 915-1 4ozClr-NoPres	Full Table 915-1 4ozClr-NoPres	Remarks	Sample # (lab only)
BKG07 5 ft	Grab	SS	5	5/7/25	1320	2	X	X		11
BKG08 0.5 ft		SS	0.5		1330		X	X		12
BKG08 4 ft			4		1335		X	X		13
BKG08 5 ft			5		1340		X	X		14
BKG09 0.5 ft			0.5		1350		X	X		15
BKG09 4 ft			4		1355		X	X		16
BKG09 5 ft			5		1400		X	X		17
BKG10 0.5 ft			0.5		1410		X	X		18
BKG10 4 ft			4		1415		X	X		19
BKG10 5 ft			5		1420		X	X		20

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	5/7/25	1655	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	5/7/25	1800	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			17

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 45
multi

Date: 5-8-25 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

L# L1856014

Multiple Parcel Form

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
N/A	TLA9	2.1	+0.4	2.5	Yes / No / Not Present
N/A	TLA9	1.7	+0.4	2.1	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Eli Dossett 17 / Eli Dossett

Name

5-8-25

Date