ANALYTICAL REPORT

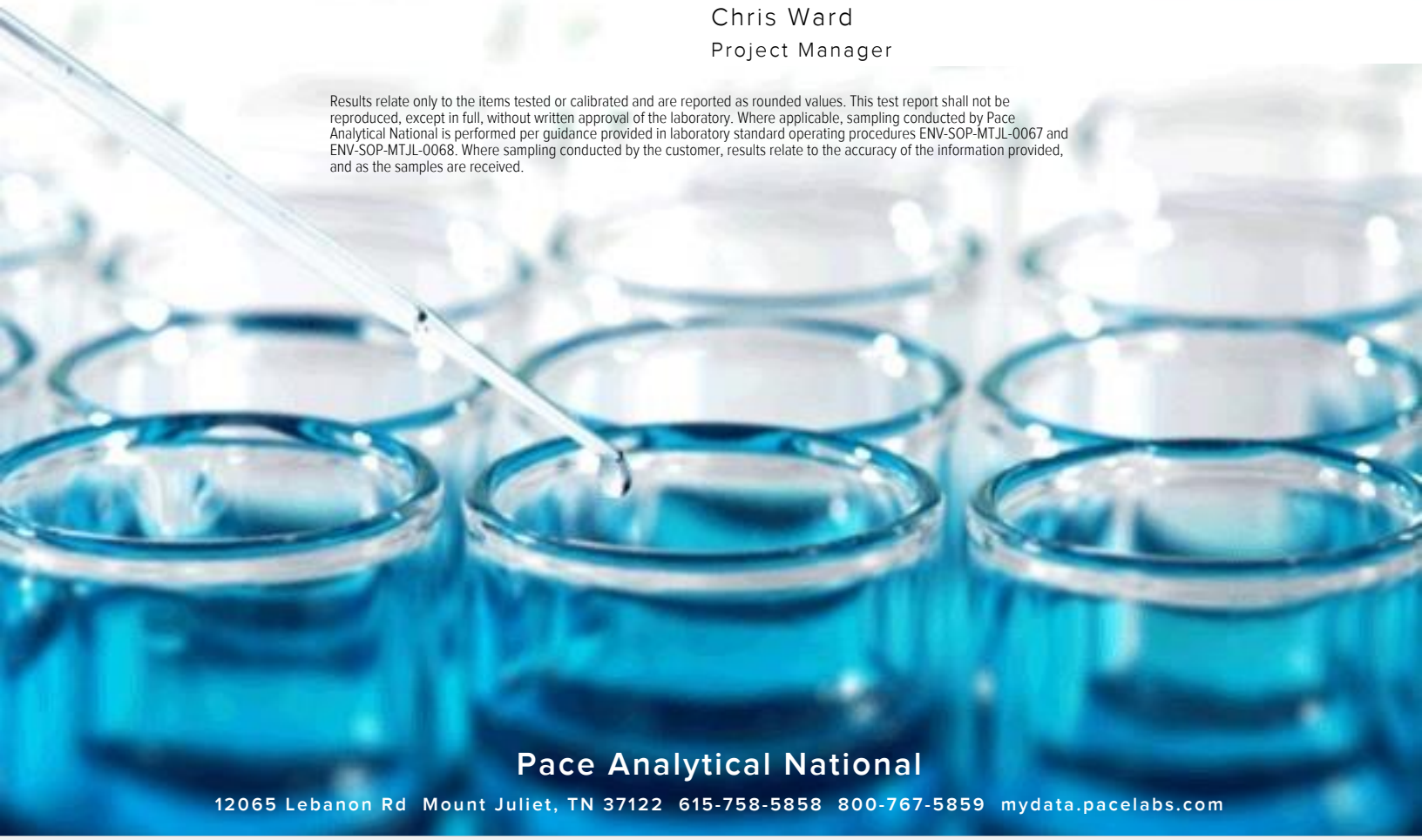
May 12, 2025

Chevron - CO

Sample Delivery Group:	L1853914
Samples Received:	05/01/2025
Project Number:	
Description:	Qc A 32-19
Report To:	Paul H. 2115 117th Avenue Greeley, CO 80631

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



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BKG08 3FT L1853914-01

Collected by: Tucker Chapin | Collected date/time: 04/30/25 11:00 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507247	1	05/09/25 03:21	05/09/25 03:21	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/06/25 23:29	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510825	1	05/08/25 23:28	05/08/25 23:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510826	1	05/09/25 05:01	05/09/25 08:24	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507280	1	05/08/25 13:03	05/08/25 20:26	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506413	5	05/07/25 23:14	05/08/25 16:04	JPD	Mt. Juliet, TN

BKG08 6FT L1853914-02

Collected by: Tucker Chapin | Collected date/time: 04/30/25 11:05 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507247	1	05/09/25 03:23	05/09/25 03:23	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/06/25 23:38	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510825	1	05/08/25 23:28	05/08/25 23:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510826	1	05/09/25 05:01	05/09/25 08:24	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507280	1	05/08/25 13:03	05/08/25 20:29	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506413	5	05/07/25 23:14	05/08/25 16:08	JPD	Mt. Juliet, TN

BKG08 8FT L1853914-03

Collected by: Tucker Chapin | Collected date/time: 04/30/25 11:10 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507243	1	05/09/25 02:34	05/09/25 02:34	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 00:28	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510832	1	05/08/25 23:37	05/09/25 07:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510830	1	05/09/25 09:10	05/09/25 09:16	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507283	1	05/08/25 13:03	05/08/25 18:43	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506413	5	05/07/25 23:14	05/08/25 16:11	JPD	Mt. Juliet, TN

FL02 3FT L1853914-04

Collected by: Tucker Chapin | Collected date/time: 04/30/25 11:30 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507243	1	05/09/25 02:36	05/09/25 02:36	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 00:47	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510832	1	05/08/25 23:37	05/09/25 07:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510830	1	05/09/25 09:10	05/09/25 09:16	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507283	1	05/08/25 13:03	05/08/25 18:46	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506413	5	05/07/25 23:14	05/08/25 16:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2508993	1	05/06/25 11:37	05/07/25 20:12	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2508502	1	05/06/25 11:37	05/07/25 11:13	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2508188	1	05/08/25 06:35	05/08/25 13:53	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2508103	1	05/07/25 13:23	05/08/25 03:57	MBE	Mt. Juliet, TN

BKG06 3FT L1853914-05

Collected by: Tucker Chapin | Collected date/time: 04/30/25 12:00 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507247	1	05/09/25 03:25	05/09/25 03:25	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 00:57	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510825	1	05/08/25 23:28	05/08/25 23:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510826	1	05/09/25 05:01	05/09/25 08:24	RJP	Mt. Juliet, TN

BKG06 3FT L1853914-05

Collected by: Tucker Chapin | Collected date/time: 04/30/25 12:00 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507280	1	05/08/25 13:03	05/08/25 20:31	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 21:23	UNP	Mt. Juliet, TN

BKG06 6FT L1853914-06

Collected by: Tucker Chapin | Collected date/time: 04/30/25 12:05 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507243	1	05/09/25 02:38	05/09/25 02:38	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 01:07	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510832	1	05/08/25 23:37	05/09/25 07:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510830	1	05/09/25 09:10	05/09/25 09:16	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507283	1	05/08/25 13:03	05/08/25 18:49	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:13	UNP	Mt. Juliet, TN

BKG06 8FT L1853914-07

Collected by: Tucker Chapin | Collected date/time: 04/30/25 12:10 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507251	1	05/09/25 01:51	05/09/25 01:51	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 01:16	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510808	1	05/09/25 05:14	05/09/25 05:48	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510812	1	05/09/25 05:14	05/09/25 11:52	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507295	1	05/08/25 13:02	05/08/25 21:04	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:17	UNP	Mt. Juliet, TN

BKG07 3FT L1853914-08

Collected by: Tucker Chapin | Collected date/time: 04/30/25 13:00 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507251	1	05/09/25 01:52	05/09/25 01:52	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 01:26	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510808	1	05/09/25 05:14	05/09/25 05:48	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510812	1	05/09/25 05:14	05/09/25 11:52	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507295	1	05/08/25 13:02	05/08/25 21:18	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:20	UNP	Mt. Juliet, TN

BKG07 6FT L1853914-09

Collected by: Tucker Chapin | Collected date/time: 04/30/25 13:05 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507251	1	05/09/25 01:54	05/09/25 01:54	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 01:35	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510808	1	05/09/25 05:14	05/09/25 05:48	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510812	1	05/09/25 05:14	05/09/25 11:52	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507295	1	05/08/25 13:02	05/08/25 21:49	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:23	UNP	Mt. Juliet, TN

BKG07 8FT L1853914-10

Collected by: Tucker Chapin | Collected date/time: 04/30/25 13:10 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507251	1	05/09/25 01:56	05/09/25 01:56	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 01:45	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510808	1	05/09/25 05:14	05/09/25 05:48	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510812	1	05/09/25 05:14	05/09/25 11:52	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507295	1	05/08/25 13:02	05/08/25 21:07	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:27	UNP	Mt. Juliet, TN

BKG09 3FT L1853914-11

Collected by: Tucker Chapin | Collected date/time: 04/30/25 14:00 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507247	1	05/09/25 03:27	05/09/25 03:27	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 02:53	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510825	1	05/08/25 23:28	05/08/25 23:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510826	1	05/09/25 05:01	05/09/25 08:24	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507280	1	05/08/25 13:03	05/08/25 20:34	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506413	5	05/07/25 23:14	05/08/25 16:17	JPD	Mt. Juliet, TN

BKG09 6FT L1853914-12

Collected by: Tucker Chapin | Collected date/time: 04/30/25 14:05 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507243	1	05/09/25 02:40	05/09/25 02:40	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 03:02	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510832	1	05/08/25 23:37	05/09/25 07:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510830	1	05/09/25 09:10	05/09/25 09:16	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507283	1	05/08/25 13:03	05/08/25 18:51	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506413	5	05/07/25 23:14	05/08/25 16:26	JPD	Mt. Juliet, TN

BKG09 8FT L1853914-13

Collected by: Tucker Chapin | Collected date/time: 04/30/25 14:10 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507243	1	05/09/25 02:41	05/09/25 02:41	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 03:12	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510832	1	05/08/25 23:37	05/09/25 07:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510830	1	05/09/25 09:10	05/09/25 09:16	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507283	1	05/08/25 13:03	05/08/25 18:54	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:37	UNP	Mt. Juliet, TN

FL03 3FT L1853914-14

Collected by: Tucker Chapin | Collected date/time: 04/30/25 14:30 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507247	1	05/09/25 03:29	05/09/25 03:29	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 03:22	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510825	1	05/08/25 23:28	05/08/25 23:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510826	1	05/09/25 05:01	05/09/25 08:24	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507280	1	05/08/25 13:03	05/08/25 20:42	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:40	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2508993	1	05/06/25 11:37	05/07/25 20:31	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2508502	1	05/06/25 11:37	05/07/25 11:33	JHH	Mt. Juliet, TN

FL03 3FT L1853914-14

Collected by: Tucker Chapin | Collected date/time: 04/30/25 14:30 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2508188	1	05/08/25 06:35	05/08/25 16:50	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2508103	1	05/07/25 13:23	05/08/25 04:15	MBE	Mt. Juliet, TN

BKG10 3FT L1853914-15

Collected by: Tucker Chapin | Collected date/time: 04/30/25 15:00 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507243	1	05/09/25 02:43	05/09/25 02:43	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506782	1	05/05/25 19:08	05/07/25 03:31	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510832	1	05/08/25 23:37	05/09/25 07:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510830	1	05/09/25 09:10	05/09/25 09:16	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507283	1	05/08/25 13:03	05/08/25 18:57	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:43	UNP	Mt. Juliet, TN

BKG10 6FT L1853914-16

Collected by: Tucker Chapin | Collected date/time: 04/30/25 15:05 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507247	1	05/09/25 03:30	05/09/25 03:30	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506790	1	05/07/25 15:32	05/08/25 03:55	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510825	1	05/08/25 23:28	05/08/25 23:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510826	1	05/09/25 05:01	05/09/25 08:24	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507280	1	05/08/25 13:03	05/08/25 20:45	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:47	UNP	Mt. Juliet, TN

BKG10 8FT L1853914-17

Collected by: Tucker Chapin | Collected date/time: 04/30/25 15:10 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507243	1	05/09/25 02:45	05/09/25 02:45	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506790	1	05/07/25 15:32	05/08/25 04:04	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510832	1	05/08/25 23:37	05/09/25 07:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510830	1	05/09/25 09:10	05/09/25 09:16	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507283	1	05/08/25 13:03	05/08/25 19:00	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:50	UNP	Mt. Juliet, TN

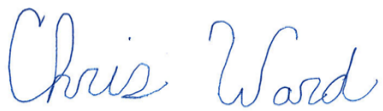
WH-FS-01 6FT L1853914-18

Collected by: Tucker Chapin | Collected date/time: 04/30/25 16:00 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2507243	1	05/09/25 02:47	05/09/25 02:47	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2506790	1	05/07/25 15:32	05/08/25 04:13	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2510832	1	05/08/25 23:37	05/09/25 07:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2510830	1	05/09/25 09:10	05/09/25 09:16	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2507283	1	05/08/25 13:03	05/08/25 19:08	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2506408	5	05/07/25 22:44	05/08/25 22:53	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2508993	1	05/06/25 11:37	05/07/25 20:51	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2508502	1	05/06/25 11:37	05/07/25 11:53	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2508188	1	05/08/25 06:35	05/08/25 15:22	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2508103	1	05/07/25 13:23	05/08/25 04:32	MBE	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	1.31		1	05/09/2025 03:21	WG2507247

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/06/2025 23:29	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.71	T8	1	05/08/2025 23:50	WG2510825

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	342	umhos/cm		10.0	1	05/09/2025 08:24	WG2510826

Sample Narrative:

L1853914-01 WG2510826: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.187	J	0.0167	0.200	1	05/08/2025 20:26	WG2507280

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.22		0.100	1.00	5	05/08/2025 16:04	WG2506413
Barium	60.6		0.152	2.50	5	05/08/2025 16:04	WG2506413
Cadmium	U		0.0855	1.00	5	05/08/2025 16:04	WG2506413
Copper	3.83	J	0.132	5.00	5	05/08/2025 16:04	WG2506413
Lead	4.56		0.0990	2.00	5	05/08/2025 16:04	WG2506413
Nickel	8.04		0.197	2.50	5	05/08/2025 16:04	WG2506413
Selenium	0.182	J	0.180	2.50	5	05/08/2025 16:04	WG2506413
Silver	U		0.0865	0.500	5	05/08/2025 16:04	WG2506413
Zinc	16.8	J	0.740	25.0	5	05/08/2025 16:04	WG2506413

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.09		1	05/09/2025 03:23	WG2507247

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/06/2025 23:38	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.35	T8	1	05/08/2025 23:50	WG2510825

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1360	umhos/cm		10.0	1	05/09/2025 08:24	WG2510826

Sample Narrative:

L1853914-02 WG2510826: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.480		0.0167	0.200	1	05/08/2025 20:29	WG2507280

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.35		0.100	1.00	5	05/08/2025 16:08	WG2506413
Barium	126		0.152	2.50	5	05/08/2025 16:08	WG2506413
Cadmium	0.139	J	0.0855	1.00	5	05/08/2025 16:08	WG2506413
Copper	7.13		0.132	5.00	5	05/08/2025 16:08	WG2506413
Lead	6.18		0.0990	2.00	5	05/08/2025 16:08	WG2506413
Nickel	9.42		0.197	2.50	5	05/08/2025 16:08	WG2506413
Selenium	0.275	J	0.180	2.50	5	05/08/2025 16:08	WG2506413
Silver	U		0.0865	0.500	5	05/08/2025 16:08	WG2506413
Zinc	29.0		0.740	25.0	5	05/08/2025 16:08	WG2506413

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.78		1	05/09/2025 02:34	WG2507243

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 00:28	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.47	T8	1	05/09/2025 07:10	WG2510832

Sample Narrative:
L1853914-03 WG2510832: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	836	umhos/cm		10.0	1	05/09/2025 09:16	WG2510830

Sample Narrative:
L1853914-03 WG2510830: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.339		0.0167	0.200	1	05/08/2025 18:43	WG2507283

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.63		0.100	1.00	5	05/08/2025 16:11	WG2506413
Barium	68.6		0.152	2.50	5	05/08/2025 16:11	WG2506413
Cadmium	0.101	J	0.0855	1.00	5	05/08/2025 16:11	WG2506413
Copper	6.25		0.132	5.00	5	05/08/2025 16:11	WG2506413
Lead	5.82		0.0990	2.00	5	05/08/2025 16:11	WG2506413
Nickel	10.1		0.197	2.50	5	05/08/2025 16:11	WG2506413
Selenium	0.221	J	0.180	2.50	5	05/08/2025 16:11	WG2506413
Silver	U		0.0865	0.500	5	05/08/2025 16:11	WG2506413
Zinc	25.7		0.740	25.0	5	05/08/2025 16:11	WG2506413

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.42		1	05/09/2025 02:36	WG2507243

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 00:47	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.41	T8	1	05/09/2025 07:10	WG2510832

Sample Narrative:
L1853914-04 WG2510832: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	969	umhos/cm		10.0	1	05/09/2025 09:16	WG2510830

Sample Narrative:
L1853914-04 WG2510830: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.250		0.0167	0.200	1	05/08/2025 18:46	WG2507283

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.10		0.100	1.00	5	05/08/2025 16:14	WG2506413
Barium	104		0.152	2.50	5	05/08/2025 16:14	WG2506413
Cadmium	0.113	J	0.0855	1.00	5	05/08/2025 16:14	WG2506413
Copper	4.71	J	0.132	5.00	5	05/08/2025 16:14	WG2506413
Lead	5.22		0.0990	2.00	5	05/08/2025 16:14	WG2506413
Nickel	5.84		0.197	2.50	5	05/08/2025 16:14	WG2506413
Selenium	0.194	J	0.180	2.50	5	05/08/2025 16:14	WG2506413
Silver	U		0.0865	0.500	5	05/08/2025 16:14	WG2506413
Zinc	21.6	J	0.740	25.0	5	05/08/2025 16:14	WG2506413

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	05/07/2025 20:12	WG2508993
(S) a,a,a-Trifluorotoluene(FID)	*87.7*			*77.0-120*		*05/07/2025 20:12*	WG2508993

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	05/07/2025 11:13	WG2508502
Toluene	U		0.00130	0.00500	1	05/07/2025 11:13	WG2508502
Ethylbenzene	U		0.000737	0.00250	1	05/07/2025 11:13	WG2508502
Xylenes, Total	U		0.000880	0.00650	1	05/07/2025 11:13	WG2508502
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	05/07/2025 11:13	WG2508502
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	05/07/2025 11:13	WG2508502
(S) Toluene-d8	*96.2*			*75.0-131*		*05/07/2025 11:13*	WG2508502
(S) 4-Bromofluorobenzene	*92.1*			*67.0-138*		*05/07/2025 11:13*	WG2508502
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/07/2025 11:13*	WG2508502

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1.76	J	1.61	4.00	1	05/08/2025 13:53	WG2508188
C28-C36 Motor Oil Range	2.19	J	0.274	4.00	1	05/08/2025 13:53	WG2508188
(S) o-Terphenyl	*68.6*			*18.0-148*		*05/08/2025 13:53*	WG2508188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00162	0.00600	1	05/08/2025 03:57	WG2508103
Anthracene	U		0.00163	0.00600	1	05/08/2025 03:57	WG2508103
Benzo(a)anthracene	U		0.00200	0.00600	1	05/08/2025 03:57	WG2508103
Benzo(b)fluoranthene	U		0.00275	0.00600	1	05/08/2025 03:57	WG2508103
Benzo(k)fluoranthene	U		0.00213	0.00600	1	05/08/2025 03:57	WG2508103
Benzo(a)pyrene	U		0.00163	0.00600	1	05/08/2025 03:57	WG2508103
Chrysene	U		0.00206	0.00600	1	05/08/2025 03:57	WG2508103
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	05/08/2025 03:57	WG2508103
Fluoranthene	U		0.00239	0.00600	1	05/08/2025 03:57	WG2508103
Fluorene	U		0.00180	0.00600	1	05/08/2025 03:57	WG2508103
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	05/08/2025 03:57	WG2508103
1-Methylnaphthalene	0.00395	J	0.00219	0.0200	1	05/08/2025 03:57	WG2508103
2-Methylnaphthalene	0.0108	J	0.00571	0.0200	1	05/08/2025 03:57	WG2508103
Naphthalene	U		0.00579	0.0200	1	05/08/2025 03:57	WG2508103
Pyrene	U		0.00205	0.00600	1	05/08/2025 03:57	WG2508103
(S) p-Terphenyl-d14	*77.0*			*23.0-120*		*05/08/2025 03:57*	WG2508103
(S) Nitrobenzene-d5	*79.7*			*14.0-149*		*05/08/2025 03:57*	WG2508103
(S) 2-Fluorobiphenyl	*85.0*			*34.0-125*		*05/08/2025 03:57*	WG2508103

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.33		1	05/09/2025 03:25	WG2507247

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 00:57	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.47	T8	1	05/08/2025 23:50	WG2510825

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	399	umhos/cm		10.0	1	05/09/2025 08:24	WG2510826

Sample Narrative:

L1853914-05 WG2510826: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.185	J	0.0167	0.200	1	05/08/2025 20:31	WG2507280

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.63		0.100	1.00	5	05/08/2025 21:23	WG2506408
Barium	164		0.152	2.50	5	05/08/2025 21:23	WG2506408
Cadmium	0.165	J	0.0855	1.00	5	05/08/2025 21:23	WG2506408
Copper	6.03		0.132	5.00	5	05/08/2025 21:23	WG2506408
Lead	6.79		0.0990	2.00	5	05/08/2025 21:23	WG2506408
Nickel	8.45		0.197	2.50	5	05/08/2025 21:23	WG2506408
Selenium	0.706	J	0.180	2.50	5	05/08/2025 21:23	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 21:23	WG2506408
Zinc	29.1		0.740	25.0	5	05/08/2025 21:23	WG2506408

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.40		1	05/09/2025 02:38	WG2507243

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 01:07	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.58	T8	1	05/09/2025 07:10	WG2510832

Sample Narrative:
L1853914-06 WG2510832: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	355	umhos/cm		10.0	1	05/09/2025 09:16	WG2510830

Sample Narrative:
L1853914-06 WG2510830: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.158	J	0.0167	0.200	1	05/08/2025 18:49	WG2507283

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.22		0.100	1.00	5	05/08/2025 22:13	WG2506408
Barium	87.7		0.152	2.50	5	05/08/2025 22:13	WG2506408
Cadmium	0.101	J	0.0855	1.00	5	05/08/2025 22:13	WG2506408
Copper	4.80	J	0.132	5.00	5	05/08/2025 22:13	WG2506408
Lead	5.12		0.0990	2.00	5	05/08/2025 22:13	WG2506408
Nickel	6.02		0.197	2.50	5	05/08/2025 22:13	WG2506408
Selenium	0.468	J	0.180	2.50	5	05/08/2025 22:13	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:13	WG2506408
Zinc	21.3	J	0.740	25.0	5	05/08/2025 22:13	WG2506408

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.28		1	05/09/2025 01:51	WG2507251

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 01:16	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.37	T8	1	05/09/2025 05:48	WG2510808

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	387	umhos/cm		10.0	1	05/09/2025 11:52	WG2510812

Sample Narrative:

L1853914-07 WG2510812: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.132	J	0.0167	0.200	1	05/08/2025 21:04	WG2507295

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.87		0.100	1.00	5	05/08/2025 22:17	WG2506408
Barium	57.1		0.152	2.50	5	05/08/2025 22:17	WG2506408
Cadmium	U		0.0855	1.00	5	05/08/2025 22:17	WG2506408
Copper	3.34	J	0.132	5.00	5	05/08/2025 22:17	WG2506408
Lead	4.23		0.0990	2.00	5	05/08/2025 22:17	WG2506408
Nickel	4.81		0.197	2.50	5	05/08/2025 22:17	WG2506408
Selenium	0.383	J	0.180	2.50	5	05/08/2025 22:17	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:17	WG2506408
Zinc	15.3	J	0.740	25.0	5	05/08/2025 22:17	WG2506408

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.41		1	05/09/2025 01:52	WG2507251

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 01:26	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.06	T8	1	05/09/2025 05:48	WG2510808

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2000	umhos/cm		10.0	1	05/09/2025 11:52	WG2510812

Sample Narrative:

L1853914-08 WG2510812: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.180	J	0.0167	0.200	1	05/08/2025 21:18	WG2507295

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.00		0.100	1.00	5	05/08/2025 22:20	WG2506408
Barium	102		0.152	2.50	5	05/08/2025 22:20	WG2506408
Cadmium	0.117	J	0.0855	1.00	5	05/08/2025 22:20	WG2506408
Copper	5.16		0.132	5.00	5	05/08/2025 22:20	WG2506408
Lead	6.22		0.0990	2.00	5	05/08/2025 22:20	WG2506408
Nickel	6.88		0.197	2.50	5	05/08/2025 22:20	WG2506408
Selenium	0.474	J	0.180	2.50	5	05/08/2025 22:20	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:20	WG2506408
Zinc	25.8		0.740	25.0	5	05/08/2025 22:20	WG2506408

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.26		1	05/09/2025 01:54	WG2507251

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 01:35	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.10	T8	1	05/09/2025 05:48	WG2510808

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1130	umhos/cm		10.0	1	05/09/2025 11:52	WG2510812

Sample Narrative:

L1853914-09 WG2510812: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.167	J	0.0167	0.200	1	05/08/2025 21:49	WG2507295

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.28		0.100	1.00	5	05/08/2025 22:23	WG2506408
Barium	97.5		0.152	2.50	5	05/08/2025 22:23	WG2506408
Cadmium	0.0908	J	0.0855	1.00	5	05/08/2025 22:23	WG2506408
Copper	4.13	J	0.132	5.00	5	05/08/2025 22:23	WG2506408
Lead	4.68		0.0990	2.00	5	05/08/2025 22:23	WG2506408
Nickel	6.18		0.197	2.50	5	05/08/2025 22:23	WG2506408
Selenium	0.554	J	0.180	2.50	5	05/08/2025 22:23	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:23	WG2506408
Zinc	19.2	J	0.740	25.0	5	05/08/2025 22:23	WG2506408

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.41		1	05/09/2025 01:56	WG2507251

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 01:45	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.47	T8	1	05/09/2025 05:48	WG2510808

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	590	umhos/cm		10.0	1	05/09/2025 11:52	WG2510812

Sample Narrative:

L1853914-10 WG2510812: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.177	J	0.0167	0.200	1	05/08/2025 21:07	WG2507295

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.61		0.100	1.00	5	05/08/2025 22:27	WG2506408
Barium	115		0.152	2.50	5	05/08/2025 22:27	WG2506408
Cadmium	0.139	J	0.0855	1.00	5	05/08/2025 22:27	WG2506408
Copper	5.89		0.132	5.00	5	05/08/2025 22:27	WG2506408
Lead	6.10		0.0990	2.00	5	05/08/2025 22:27	WG2506408
Nickel	7.15		0.197	2.50	5	05/08/2025 22:27	WG2506408
Selenium	0.543	J	0.180	2.50	5	05/08/2025 22:27	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:27	WG2506408
Zinc	25.4		0.740	25.0	5	05/08/2025 22:27	WG2506408

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.80		1	05/09/2025 03:27	WG2507247

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 02:53	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.62	T8	1	05/08/2025 23:50	WG2510825

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	489	umhos/cm		10.0	1	05/09/2025 08:24	WG2510826

Sample Narrative:

L1853914-11 WG2510826: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.113	J	0.0167	0.200	1	05/08/2025 20:34	WG2507280

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.44		0.100	1.00	5	05/08/2025 16:17	WG2506413
Barium	108		0.152	2.50	5	05/08/2025 16:17	WG2506413
Cadmium	0.0931	J	0.0855	1.00	5	05/08/2025 16:17	WG2506413
Copper	4.51	J	0.132	5.00	5	05/08/2025 16:17	WG2506413
Lead	5.42		0.0990	2.00	5	05/08/2025 16:17	WG2506413
Nickel	5.65		0.197	2.50	5	05/08/2025 16:17	WG2506413
Selenium	U		0.180	2.50	5	05/08/2025 16:17	WG2506413
Silver	U		0.0865	0.500	5	05/08/2025 16:17	WG2506413
Zinc	20.9	J	0.740	25.0	5	05/08/2025 16:17	WG2506413

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.956		1	05/09/2025 02:40	WG2507243

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 03:02	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.47	T8	1	05/09/2025 07:10	WG2510832

Sample Narrative:
L1853914-12 WG2510832: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	522	umhos/cm		10.0	1	05/09/2025 09:16	WG2510830

Sample Narrative:
L1853914-12 WG2510830: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0875	J	0.0167	0.200	1	05/08/2025 18:51	WG2507283

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.10		0.100	1.00	5	05/08/2025 16:26	WG2506413
Barium	74.7		0.152	2.50	5	05/08/2025 16:26	WG2506413
Cadmium	U		0.0855	1.00	5	05/08/2025 16:26	WG2506413
Copper	3.35	J	0.132	5.00	5	05/08/2025 16:26	WG2506413
Lead	3.96		0.0990	2.00	5	05/08/2025 16:26	WG2506413
Nickel	4.91		0.197	2.50	5	05/08/2025 16:26	WG2506413
Selenium	0.224	J	0.180	2.50	5	05/08/2025 16:26	WG2506413
Silver	U		0.0865	0.500	5	05/08/2025 16:26	WG2506413
Zinc	16.1	J	0.740	25.0	5	05/08/2025 16:26	WG2506413

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.726		1	05/09/2025 02:41	WG2507243

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 03:12	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.70	T8	1	05/09/2025 07:10	WG2510832

Sample Narrative:
L1853914-13 WG2510832: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	251	umhos/cm		10.0	1	05/09/2025 09:16	WG2510830

Sample Narrative:
L1853914-13 WG2510830: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0819	J	0.0167	0.200	1	05/08/2025 18:54	WG2507283

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.52		0.100	1.00	5	05/08/2025 22:37	WG2506408
Barium	74.8		0.152	2.50	5	05/08/2025 22:37	WG2506408
Cadmium	0.107	J	0.0855	1.00	5	05/08/2025 22:37	WG2506408
Copper	3.63	J	0.132	5.00	5	05/08/2025 22:37	WG2506408
Lead	4.56		0.0990	2.00	5	05/08/2025 22:37	WG2506408
Nickel	5.13		0.197	2.50	5	05/08/2025 22:37	WG2506408
Selenium	0.475	J	0.180	2.50	5	05/08/2025 22:37	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:37	WG2506408
Zinc	18.4	J	0.740	25.0	5	05/08/2025 22:37	WG2506408

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.89		1	05/09/2025 03:29	WG2507247

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 03:22	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.09	T8	1	05/08/2025 23:50	WG2510825

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1250	umhos/cm		10.0	1	05/09/2025 08:24	WG2510826

Sample Narrative:

L1853914-14 WG2510826: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.181	J	0.0167	0.200	1	05/08/2025 20:42	WG2507280

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.86		0.100	1.00	5	05/08/2025 22:40	WG2506408
Barium	65.7		0.152	2.50	5	05/08/2025 22:40	WG2506408
Cadmium	0.0985	J	0.0855	1.00	5	05/08/2025 22:40	WG2506408
Copper	4.93	J	0.132	5.00	5	05/08/2025 22:40	WG2506408
Lead	5.60		0.0990	2.00	5	05/08/2025 22:40	WG2506408
Nickel	5.95		0.197	2.50	5	05/08/2025 22:40	WG2506408
Selenium	0.456	J	0.180	2.50	5	05/08/2025 22:40	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:40	WG2506408
Zinc	24.7	J	0.740	25.0	5	05/08/2025 22:40	WG2506408

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	05/07/2025 20:31	WG2508993
(S) a,a,a-Trifluorotoluene(FID)	*87.5*			*77.0-120*		*05/07/2025 20:31*	WG2508993

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	05/07/2025 11:33	WG2508502
Toluene	U		0.00130	0.00500	1	05/07/2025 11:33	WG2508502
Ethylbenzene	U		0.000737	0.00250	1	05/07/2025 11:33	WG2508502
Xylenes, Total	U		0.000880	0.00650	1	05/07/2025 11:33	WG2508502
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	05/07/2025 11:33	WG2508502

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	05/07/2025 11:33	WG2508502
(S) Toluene-d8	*99.6*			*75.0-131*		*05/07/2025 11:33*	WG2508502
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*05/07/2025 11:33*	WG2508502
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/07/2025 11:33*	WG2508502

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	05/08/2025 16:50	WG2508188
C28-C36 Motor Oil Range	5.38		0.274	4.00	1	05/08/2025 16:50	WG2508188
(S) o-Terphenyl	*73.3*			*18.0-148*		*05/08/2025 16:50*	WG2508188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00162	0.00600	1	05/08/2025 04:15	WG2508103
Anthracene	U		0.00163	0.00600	1	05/08/2025 04:15	WG2508103
Benzo(a)anthracene	U		0.00200	0.00600	1	05/08/2025 04:15	WG2508103
Benzo(b)fluoranthene	U		0.00275	0.00600	1	05/08/2025 04:15	WG2508103
Benzo(k)fluoranthene	U		0.00213	0.00600	1	05/08/2025 04:15	WG2508103
Benzo(a)pyrene	U		0.00163	0.00600	1	05/08/2025 04:15	WG2508103
Chrysene	U		0.00206	0.00600	1	05/08/2025 04:15	WG2508103
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	05/08/2025 04:15	WG2508103
Fluoranthene	U		0.00239	0.00600	1	05/08/2025 04:15	WG2508103
Fluorene	U		0.00180	0.00600	1	05/08/2025 04:15	WG2508103
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	05/08/2025 04:15	WG2508103
1-Methylnaphthalene	U		0.00219	0.0200	1	05/08/2025 04:15	WG2508103
2-Methylnaphthalene	U		0.00571	0.0200	1	05/08/2025 04:15	WG2508103
Naphthalene	U		0.00579	0.0200	1	05/08/2025 04:15	WG2508103
Pyrene	U		0.00205	0.00600	1	05/08/2025 04:15	WG2508103
(S) p-Terphenyl-d14	*76.1*			*23.0-120*		*05/08/2025 04:15*	WG2508103
(S) Nitrobenzene-d5	*76.0*			*14.0-149*		*05/08/2025 04:15*	WG2508103
(S) 2-Fluorobiphenyl	*83.7*			*34.0-125*		*05/08/2025 04:15*	WG2508103

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.53		1	05/09/2025 02:43	WG2507243

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/07/2025 03:31	WG2506782

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.88	T8	1	05/09/2025 07:10	WG2510832

Sample Narrative:
L1853914-15 WG2510832: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	937	umhos/cm		10.0	1	05/09/2025 09:16	WG2510830

Sample Narrative:
L1853914-15 WG2510830: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.321		0.0167	0.200	1	05/08/2025 18:57	WG2507283

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.87		0.100	1.00	5	05/08/2025 22:43	WG2506408
Barium	86.4		0.152	2.50	5	05/08/2025 22:43	WG2506408
Cadmium	0.153	J	0.0855	1.00	5	05/08/2025 22:43	WG2506408
Copper	7.34		0.132	5.00	5	05/08/2025 22:43	WG2506408
Lead	7.27		0.0990	2.00	5	05/08/2025 22:43	WG2506408
Nickel	8.11		0.197	2.50	5	05/08/2025 22:43	WG2506408
Selenium	0.699	J	0.180	2.50	5	05/08/2025 22:43	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:43	WG2506408
Zinc	36.4		0.740	25.0	5	05/08/2025 22:43	WG2506408

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.11		1	05/09/2025 03:30	WG2507247

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/08/2025 03:55	WG2506790

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.28	T8	1	05/08/2025 23:50	WG2510825

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	501	umhos/cm		10.0	1	05/09/2025 08:24	WG2510826

Sample Narrative:

L1853914-16 WG2510826: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.174	J	0.0167	0.200	1	05/08/2025 20:45	WG2507280

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.46		0.100	1.00	5	05/08/2025 22:47	WG2506408
Barium	132		0.152	2.50	5	05/08/2025 22:47	WG2506408
Cadmium	0.123	J	0.0855	1.00	5	05/08/2025 22:47	WG2506408
Copper	5.09		0.132	5.00	5	05/08/2025 22:47	WG2506408
Lead	6.33		0.0990	2.00	5	05/08/2025 22:47	WG2506408
Nickel	7.00		0.197	2.50	5	05/08/2025 22:47	WG2506408
Selenium	0.575	J	0.180	2.50	5	05/08/2025 22:47	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:47	WG2506408
Zinc	23.7	J	0.740	25.0	5	05/08/2025 22:47	WG2506408

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.870		1	05/09/2025 02:45	WG2507243

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/08/2025 04:04	WG2506790

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.53	T8	1	05/09/2025 07:10	WG2510832

Sample Narrative:

L1853914-17 WG2510832: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	292	umhos/cm		10.0	1	05/09/2025 09:16	WG2510830

Sample Narrative:

L1853914-17 WG2510830: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.128	J	0.0167	0.200	1	05/08/2025 19:00	WG2507283

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.52		0.100	1.00	5	05/08/2025 22:50	WG2506408
Barium	79.5		0.152	2.50	5	05/08/2025 22:50	WG2506408
Cadmium	0.100	J	0.0855	1.00	5	05/08/2025 22:50	WG2506408
Copper	4.42	J	0.132	5.00	5	05/08/2025 22:50	WG2506408
Lead	4.95		0.0990	2.00	5	05/08/2025 22:50	WG2506408
Nickel	8.13		0.197	2.50	5	05/08/2025 22:50	WG2506408
Selenium	0.715	J	0.180	2.50	5	05/08/2025 22:50	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:50	WG2506408
Zinc	20.6	J	0.740	25.0	5	05/08/2025 22:50	WG2506408

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.807		1	05/09/2025 02:47	WG2507243

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.379	1.00	1	05/08/2025 04:13	WG2506790

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.33	T8	1	05/09/2025 07:10	WG2510832

Sample Narrative:
L1853914-18 WG2510832: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	464	umhos/cm		10.0	1	05/09/2025 09:16	WG2510830

Sample Narrative:
L1853914-18 WG2510830: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0991	J	0.0167	0.200	1	05/08/2025 19:08	WG2507283

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.97		0.100	1.00	5	05/08/2025 22:53	WG2506408
Barium	71.4		0.152	2.50	5	05/08/2025 22:53	WG2506408
Cadmium	0.0896	J	0.0855	1.00	5	05/08/2025 22:53	WG2506408
Copper	4.08	J	0.132	5.00	5	05/08/2025 22:53	WG2506408
Lead	4.48		0.0990	2.00	5	05/08/2025 22:53	WG2506408
Nickel	5.77		0.197	2.50	5	05/08/2025 22:53	WG2506408
Selenium	0.527	J	0.180	2.50	5	05/08/2025 22:53	WG2506408
Silver	U		0.0865	0.500	5	05/08/2025 22:53	WG2506408
Zinc	18.9	J	0.740	25.0	5	05/08/2025 22:53	WG2506408

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0243	J	0.0217	0.100	1	05/07/2025 20:51	WG2508993
(S) a,a,a-Trifluorotoluene(FID)	*86.8*			*77.0-120*		*05/07/2025 20:51*	WG2508993

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	05/07/2025 11:53	WG2508502
Toluene	U		0.00130	0.00500	1	05/07/2025 11:53	WG2508502
Ethylbenzene	U		0.000737	0.00250	1	05/07/2025 11:53	WG2508502
Xylenes, Total	U		0.000880	0.00650	1	05/07/2025 11:53	WG2508502
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	05/07/2025 11:53	WG2508502
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	05/07/2025 11:53	WG2508502
(S) Toluene-d8	*97.9*			*75.0-131*		*05/07/2025 11:53*	WG2508502
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*		*05/07/2025 11:53*	WG2508502
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/07/2025 11:53*	WG2508502

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	05/08/2025 15:22	WG2508188
C28-C36 Motor Oil Range	2.72	J	0.274	4.00	1	05/08/2025 15:22	WG2508188
(S) o-Terphenyl	*72.1*			*18.0-148*		*05/08/2025 15:22*	WG2508188

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00162	0.00600	1	05/08/2025 04:32	WG2508103
Anthracene	U		0.00163	0.00600	1	05/08/2025 04:32	WG2508103
Benzo(a)anthracene	U		0.00200	0.00600	1	05/08/2025 04:32	WG2508103
Benzo(b)fluoranthene	U		0.00275	0.00600	1	05/08/2025 04:32	WG2508103
Benzo(k)fluoranthene	U		0.00213	0.00600	1	05/08/2025 04:32	WG2508103
Benzo(a)pyrene	U		0.00163	0.00600	1	05/08/2025 04:32	WG2508103
Chrysene	U		0.00206	0.00600	1	05/08/2025 04:32	WG2508103
Dibenz(a,h)anthracene	U		0.00201	0.00600	1	05/08/2025 04:32	WG2508103
Fluoranthene	U		0.00239	0.00600	1	05/08/2025 04:32	WG2508103
Fluorene	U		0.00180	0.00600	1	05/08/2025 04:32	WG2508103
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600	1	05/08/2025 04:32	WG2508103
1-Methylnaphthalene	U		0.00219	0.0200	1	05/08/2025 04:32	WG2508103
2-Methylnaphthalene	U		0.00571	0.0200	1	05/08/2025 04:32	WG2508103
Naphthalene	U		0.00579	0.0200	1	05/08/2025 04:32	WG2508103
Pyrene	U		0.00205	0.00600	1	05/08/2025 04:32	WG2508103
(S) p-Terphenyl-d14	*82.7*			*23.0-120*		*05/08/2025 04:32*	WG2508103
(S) Nitrobenzene-d5	*83.9*			*14.0-149*		*05/08/2025 04:32*	WG2508103
(S) 2-Fluorobiphenyl	*91.5*			*34.0-125*		*05/08/2025 04:32*	WG2508103

Method Blank (MB)

(MB) R4210847-1 05/06/25 22:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.379	1.00

L1853903-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1853903-03 05/06/25 22:31 • (DUP) R4210847-3 05/06/25 22:41

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

L1853914-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1853914-03 05/07/25 00:28 • (DUP) R4210847-4 05/07/25 00:38

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

Laboratory Control Sample (LCS)

(LCS) R4210847-2 05/06/25 22:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.09	90.9	80.0-120	

L1853914-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853914-10 05/07/25 01:45 • (MS) R4210847-5 05/07/25 01:55 • (MSD) R4210847-6 05/07/25 02:24

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	U	16.7	17.1	83.6	85.7	1	75.0-125			2.48	20

L1853914-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1853914-10 05/07/25 01:45 • (MS) R4210847-7 05/07/25 02:33

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	656	U	604	92.1	50	75.0-125	

Method Blank (MB)

(MB) R4211589-1 05/08/25 02:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.379	1.00

L1853882-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1853882-05 05/08/25 02:58 • (DUP) R4211589-3 05/08/25 03:07

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

L1854273-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1854273-02 05/08/25 04:58 • (DUP) R4211589-4 05/08/25 05:07

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

Laboratory Control Sample (LCS)

(LCS) R4211589-2 05/08/25 02:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.1	101	80.0-120	

L1854280-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1854280-10 05/08/25 06:29 • (MS) R4211589-6 05/08/25 06:47 • (MSD) R4211589-7 05/08/25 06:56

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	U	18.1	13.4	90.4	66.8	1	75.0-125		J3 J6	30.0	20

L1854280-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1854280-10 05/08/25 06:29 • (MS) R4211589-8 05/08/25 07:05

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	641	U	637	99.3	50	75.0-125	

L1853884-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1853884-01 05/09/25 05:48 • (DUP) R4212155-2 05/09/25 05:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.05	8.04	1	0.124		1

L1853914-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1853914-10 05/09/25 05:48 • (DUP) R4212155-3 05/09/25 05:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.47	8.47	1	0.000		1

Laboratory Control Sample (LCS)

(LCS) R4212155-1 05/09/25 05:48

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

L1853884-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1853884-04 05/08/25 23:50 • (DUP) R4212079-2 05/08/25 23:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.18	7.17	1	0.139		1

L1853914-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1853914-16 05/08/25 23:50 • (DUP) R4212079-3 05/08/25 23:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.28	8.29	1	0.121		1

Laboratory Control Sample (LCS)

(LCS) R4212079-1 05/08/25 23:50

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

L1853884-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1853884-08 05/09/25 07:10 • (DUP) R4212127-2 05/09/25 07:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.24	8.19	1	0.609		1

Sample Narrative:

OS: 0

DUP: 0

L1853914-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1853914-18 05/09/25 07:10 • (DUP) R4212127-3 05/09/25 07:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.33	8.35	1	0.240		1

Sample Narrative:

OS: 0

DUP: 0

Laboratory Control Sample (LCS)

(LCS) R4212127-1 05/09/25 07:10

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

Sample Narrative:

LCS: 0

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

Method Blank (MB)

(MB) R4212297-1 05/09/25 11:52

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

Sample Narrative:
BLANK: at 25C

L1853884-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1853884-02 05/09/25 11:52 • (DUP) R4212297-3 05/09/25 11:52

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	240	238	1	1.05		20

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

L1853914-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1853914-09 05/09/25 11:52 • (DUP) R4212297-4 05/09/25 11:52

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1130	1120	1	1.07		20

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

Laboratory Control Sample (LCS)

(LCS) R4212297-2 05/09/25 11:52

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1050	93.0	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4212165-1 05/09/25 08:24

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

Sample Narrative:
BLANK: at 25C

L1853884-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1853884-04 05/09/25 08:24 • (DUP) R4212165-3 05/09/25 08:24

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	231	228	1	1.57		20

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

L1853914-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1853914-16 05/09/25 08:24 • (DUP) R4212165-4 05/09/25 08:24

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	501	501	1	0.000		20

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

Laboratory Control Sample (LCS)

(LCS) R4212165-2 05/09/25 08:24

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1110	98.2	85.0-115	

Sample Narrative:
LCS: at 25C

QUALITY CONTROL SUMMARY

L1853914-03,04,06,12,13,15,17,18

Method Blank (MB)

(MB) R4212230-1 05/09/25 09:16

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

Sample Narrative:
BLANK: at 25C

L1853892-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1853892-03 05/09/25 09:16 • (DUP) R4212230-3 05/09/25 09:16

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	293	294	1	0.171		20

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

L1853914-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1853914-17 05/09/25 09:16 • (DUP) R4212230-4 05/09/25 09:16

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	292	281	1	3.98		20

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

Laboratory Control Sample (LCS)

(LCS) R4212230-2 05/09/25 09:16

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1090	96.7	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4212221-1 05/08/25 19:36

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) R4212221-2 05/08/25 19:39 • (LCSD) R4212221-3 05/08/25 19:41

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	1.10	1.11	110	111	80.0-120			0.258	20

Method Blank (MB)

(MB) R4212220-1 05/08/25 18:02

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) R4212220-2 05/08/25 18:05 • (LCSD) R4212220-3 05/08/25 18:07

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	1.12	1.09	112	109	80.0-120			2.89	20

Method Blank (MB)

(MB) R4212222-1 05/08/25 20:53

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) R4212222-2 05/08/25 20:56 • (LCSD) R4212222-3 05/08/25 20:59

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	1.11	111	111	80.0-120			0.0913	20

Method Blank (MB)

(MB) R4212063-1 05/08/25 21:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Barium	U		0.152	2.50
Cadmium	U		0.0855	1.00
Copper	U		0.133	5.00
Lead	U		0.0990	2.00
Nickel	U		0.197	2.50
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500
Zinc	U		0.740	25.0

Laboratory Control Sample (LCS)

(LCS) R4212063-2 05/08/25 21:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.6	96.6	80.0-120	
Barium	100	91.2	91.2	80.0-120	
Cadmium	100	98.8	98.8	80.0-120	
Copper	100	97.3	97.3	80.0-120	
Lead	100	94.9	94.9	80.0-120	
Nickel	100	101	101	80.0-120	
Selenium	100	95.2	95.2	80.0-120	
Silver	20.0	19.0	95.1	80.0-120	
Zinc	100	96.4	96.4	80.0-120	

L1853914-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853914-05 05/08/25 21:23 • (MS) R4212063-5 05/08/25 21:33 • (MSD) R4212063-6 05/08/25 21:36

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	4.63	89.8	100	85.1	95.7	5	75.0-125			11.2	20
Barium	100	164	243	283	79.6	119	5	75.0-125			14.9	20
Cadmium	100	0.165	87.3	97.3	87.2	97.1	5	75.0-125			10.7	20
Copper	100	6.03	84.8	94.7	78.8	88.7	5	75.0-125			11.0	20
Lead	100	6.79	88.0	97.6	81.2	90.8	5	75.0-125			10.3	20
Nickel	100	8.45	92.6	104	84.2	95.8	5	75.0-125			11.8	20
Selenium	100	0.706	87.3	98.3	86.6	97.6	5	75.0-125			11.9	20
Silver	20.0	U	17.0	19.2	85.2	96.0	5	75.0-125			11.9	20
Zinc	100	29.1	110	122	80.9	92.5	5	75.0-125			9.98	20

Method Blank (MB)

(MB) R4211837-1 05/08/25 15:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Barium	U		0.152	2.50
Cadmium	U		0.0855	1.00
Copper	U		0.133	5.00
Lead	U		0.0990	2.00
Nickel	U		0.197	2.50
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500
Zinc	U		0.740	25.0

Laboratory Control Sample (LCS)

(LCS) R4211837-2 05/08/25 15:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	94.5	94.5	80.0-120	
Barium	100	93.4	93.4	80.0-120	
Cadmium	100	95.3	95.3	80.0-120	
Copper	100	98.1	98.1	80.0-120	
Lead	100	90.5	90.5	80.0-120	
Nickel	100	98.4	98.4	80.0-120	
Selenium	100	94.7	94.7	80.0-120	
Silver	20.0	19.5	97.7	80.0-120	
Zinc	100	94.4	94.4	80.0-120	

L1854004-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1854004-06 05/08/25 15:18 • (MS) R4211837-5 05/08/25 15:28 • (MSD) R4211837-6 05/08/25 15:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	5.54	90.6	94.1	85.0	88.5	5	75.0-125			3.79	20
Barium	100	35.4	116	121	80.5	85.9	5	75.0-125			4.56	20
Cadmium	100	0.144	84.7	87.6	84.5	87.4	5	75.0-125			3.34	20
Copper	100	11.9	94.1	95.5	82.2	83.6	5	75.0-125			1.48	20
Lead	100	5.98	85.5	90.1	79.6	84.2	5	75.0-125			5.24	20
Nickel	100	13.0	95.9	100	82.9	87.4	5	75.0-125			4.55	20
Selenium	100	U	85.2	90.3	85.2	90.3	5	75.0-125			5.80	20
Silver	20.0	U	17.5	18.0	87.5	90.1	5	75.0-125			2.89	20
Zinc	100	35.8	114	118	78.0	81.9	5	75.0-125			3.37	20

Method Blank (MB)

(MB) R4211412-2 05/07/25 10:24

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)	*96.9*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4211412-1 05/07/25 09:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.01	100	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*77.0-120*	

Method Blank (MB)

(MB) R4211299-3 05/07/25 05:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	0.00173	J	0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	*96.9*			*75.0-131*
(S) 4-Bromofluorobenzene	*87.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

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

(LCS) R4211299-1 05/07/25 03:38 • (LCSD) R4211299-2 05/07/25 03:58

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	0.131	0.125	105	100	70.0-123			4.69	20
Toluene	0.125	0.125	0.122	100	97.6	75.0-121			2.43	20
Ethylbenzene	0.125	0.119	0.120	95.2	96.0	74.0-126			0.837	20
Xylenes, Total	0.375	0.368	0.350	98.1	93.3	72.0-127			5.01	20
1,2,4-Trimethylbenzene	0.125	0.130	0.122	104	97.6	70.0-126			6.35	20
1,3,5-Trimethylbenzene	0.125	0.131	0.122	105	97.6	73.0-127			7.11	20
(S) Toluene-d8				*98.4*	*98.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*91.4*	*91.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*113*	*114*	*70.0-130*				

Method Blank (MB)

(MB) R4212013-1 05/08/25 13:28

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	*70.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4212013-2 05/08/25 13:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	46.1	92.2	50.0-150	
(S) o-Terphenyl			*76.7*	*18.0-148*	

L1853914-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853914-04 05/08/25 13:53 • (MS) R4212013-3 05/08/25 14:06 • (MSD) R4212013-4 05/08/25 14:19

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	1.76	43.8	44.2	87.2	85.9	1	50.0-150			0.909	20
(S) o-Terphenyl					*66.4*	*68.1*		*18.0-148*				

Method Blank (MB)

(MB) R4211483-2 05/07/25 22:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00162	0.00600
Anthracene	U		0.00163	0.00600
Benzo(a)anthracene	U		0.00200	0.00600
Benzo(b)fluoranthene	U		0.00275	0.00600
Benzo(k)fluoranthene	U		0.00213	0.00600
Benzo(a)pyrene	U		0.00163	0.00600
Chrysene	U		0.00206	0.00600
Dibenz(a,h)anthracene	U		0.00201	0.00600
Fluoranthene	U		0.00239	0.00600
Fluorene	U		0.00180	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00234	0.00600
1-Methylnaphthalene	U		0.00219	0.0200
2-Methylnaphthalene	U		0.00571	0.0200
Naphthalene	U		0.00579	0.0200
Pyrene	U		0.00205	0.00600
(S) p-Terphenyl-d14	*86.0*			*23.0-120*
(S) Nitrobenzene-d5	*86.8*			*14.0-149*
(S) 2-Fluorobiphenyl	*94.4*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4211483-1 05/07/25 21:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0641	80.1	50.0-120	
Anthracene	0.0800	0.0696	87.0	50.0-126	
Benzo(a)anthracene	0.0800	0.0651	81.4	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0619	77.4	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0622	77.8	49.0-125	
Benzo(a)pyrene	0.0800	0.0569	71.1	42.0-120	
Chrysene	0.0800	0.0677	84.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0663	82.9	47.0-125	
Fluoranthene	0.0800	0.0742	92.8	49.0-129	
Fluorene	0.0800	0.0711	88.9	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0629	78.6	46.0-125	
1-Methylnaphthalene	0.0800	0.0699	87.4	51.0-121	
2-Methylnaphthalene	0.0800	0.0665	83.1	50.0-120	
Naphthalene	0.0800	0.0652	81.5	50.0-120	
Pyrene	0.0800	0.0616	77.0	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4211483-1 05/07/25 21:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*83.7*	*23.0-120*	
(S) Nitrobenzene-d5			*83.6*	*14.0-149*	
(S) 2-Fluorobiphenyl			*91.0*	*34.0-125*	

L1853911-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853911-13 05/07/25 23:52 • (MS) R4211483-3 05/08/25 00:10 • (MSD) R4211483-4 05/08/25 00:27

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 %
Acenaphthene	0.0780	U	0.0595	0.0585	76.3	75.0	1	14.0-127			1.69	27
Anthracene	0.0780	U	0.0651	0.0630	83.5	80.8	1	10.0-145			3.28	30
Benzo(a)anthracene	0.0780	U	0.0603	0.0597	77.3	76.5	1	10.0-139			1.00	30
Benzo(b)fluoranthene	0.0780	U	0.0564	0.0554	72.3	71.0	1	10.0-140			1.79	36
Benzo(k)fluoranthene	0.0780	U	0.0555	0.0550	71.2	70.5	1	10.0-137			0.905	31
Benzo(a)pyrene	0.0780	U	0.0573	0.0568	73.5	72.8	1	10.0-141			0.876	31
Chrysene	0.0780	U	0.0626	0.0612	80.3	78.5	1	10.0-145			2.26	30
Dibenz(a,h)anthracene	0.0780	U	0.0579	0.0578	74.2	74.1	1	10.0-132			0.173	31
Fluoranthene	0.0780	U	0.0681	0.0667	87.3	85.5	1	10.0-153			2.08	33
Fluorene	0.0780	U	0.0650	0.0651	83.3	83.5	1	11.0-130			0.154	29
Indeno(1,2,3-cd)pyrene	0.0780	U	0.0572	0.0549	73.3	70.4	1	10.0-137			4.10	32
1-Methylnaphthalene	0.0780	U	0.0669	0.0651	85.8	83.5	1	10.0-142			2.73	28
2-Methylnaphthalene	0.0780	U	0.0648	0.0625	83.1	80.1	1	10.0-137			3.61	28
Naphthalene	0.0780	U	0.0636	0.0605	81.5	77.6	1	10.0-135			5.00	27
Pyrene	0.0780	U	0.0563	0.0548	72.2	70.3	1	10.0-148			2.70	35
(S) p-Terphenyl-d14					*83.5*	*79.6*		*23.0-120*				
(S) Nitrobenzene-d5					*89.8*	*84.1*		*14.0-149*				
(S) 2-Fluorobiphenyl					*94.0*	*91.3*		*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.
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Company Name/Address:
Chevron - CO

2115 117th Avenue
Greeley, CO 80631

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

Pres Chk

Report to:
Paul H. 970-304-5000

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

Project Description: QC A 32-19

City/State Collected: Gill

Please Circle: PT MT CT ET

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

Client Project #

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 ____ STD TAT

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

BG Table 915-1 4ozClr-NoPres

Full Table 915-1 4ozClr-NoPres

Chain of Custody Page 1 of 2

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

ntenv.com;aaronb@fremontenv.com;j

L1653914

E157

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	Remarks	Sample # (lab only)
BKG08 3ft		SS	3	4/30/25	1100	2		01
BKG08 6ft		SS	6		1105			02
BKG08 8ft			8		1110			03
FLD 2 3ft			3		1130			04
BKG06 3ft			3		1200			05
BKG06 6ft			6		1205			06
BKG06 8ft			8		1210			07
BKG07 3ft			3		1300			08
BKG07 6ft			6		1305			09
BKG07 8ft			8		1310			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 # N/A

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)
	4/30/25	17:14	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4/30/25	1800	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			17

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: TLA9 °C Bottles Received: 36
2.0+0.4=2.4

If preservation required by Login: Date/Time

Date: 5-1-25 Time: 0820 5-1-25
1300

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 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

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

Report to:
Paul H. 970-304-5000

Email To: danpeterson@chevron.com;paulh@fremontenv.com;aaronb@fremontenv.com;jason.davidson@chevron.com;chrisl@fremontenv.com

Project Description: QcA 32-19

City/State Collected: Gill

Please Circle: PT MT CT ET

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

Client Project #

Lab Project #
CHEGCO-FREMONT

SDG # L1853914

Collected by (print): Tucker Chapin

Site/Facility ID #

P.O. #

Table #

Acctnum: **CHEGCO**

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 ____ STD TAT

Quote #

Date Results Needed

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)
BKG09 3ft		SS	3	4/30/25	1460	2	X			11
BKG09 6ft		SS	6		1405		X			12
BKG09 8ft			8		1410		X			13
FL03 3ft			3		1430			X		14
BKG10 3ft			3		1500		X			15
BKG10 6ft			6		1505		X			16
BKG10 8ft			8		1510		X			17
WH-FS-01 6ft			6		1600			X		18

* 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 # N/A

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: 4/30/25	Time: 17:14	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.0+0.4=2.4 °C Bottles Received: 36 — If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-1-25 Time: 1300 — Hold: — Condition: NCF / OK

5/1 NCF-CHEGCO E157-L1853914

R5

Time estimate: oh **Time spent:** oh

Members

Nicolle Faulk (responsible) CW Chris Ward

Due on *8 May 2025 5:00 PM* for target *Done*

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Custody seal not intact
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Nicolle Faulk *1 May 2025 2:50 PM*

No analysis marked on 1st page

Chris Ward *1 May 2025 3:17 PM*

Please log the BKG samples for TABLE915BG
The other ones for TABLE915

Nicolle Faulk *1 May 2025 3:27 PM*

done