ANALYTICAL REPORT

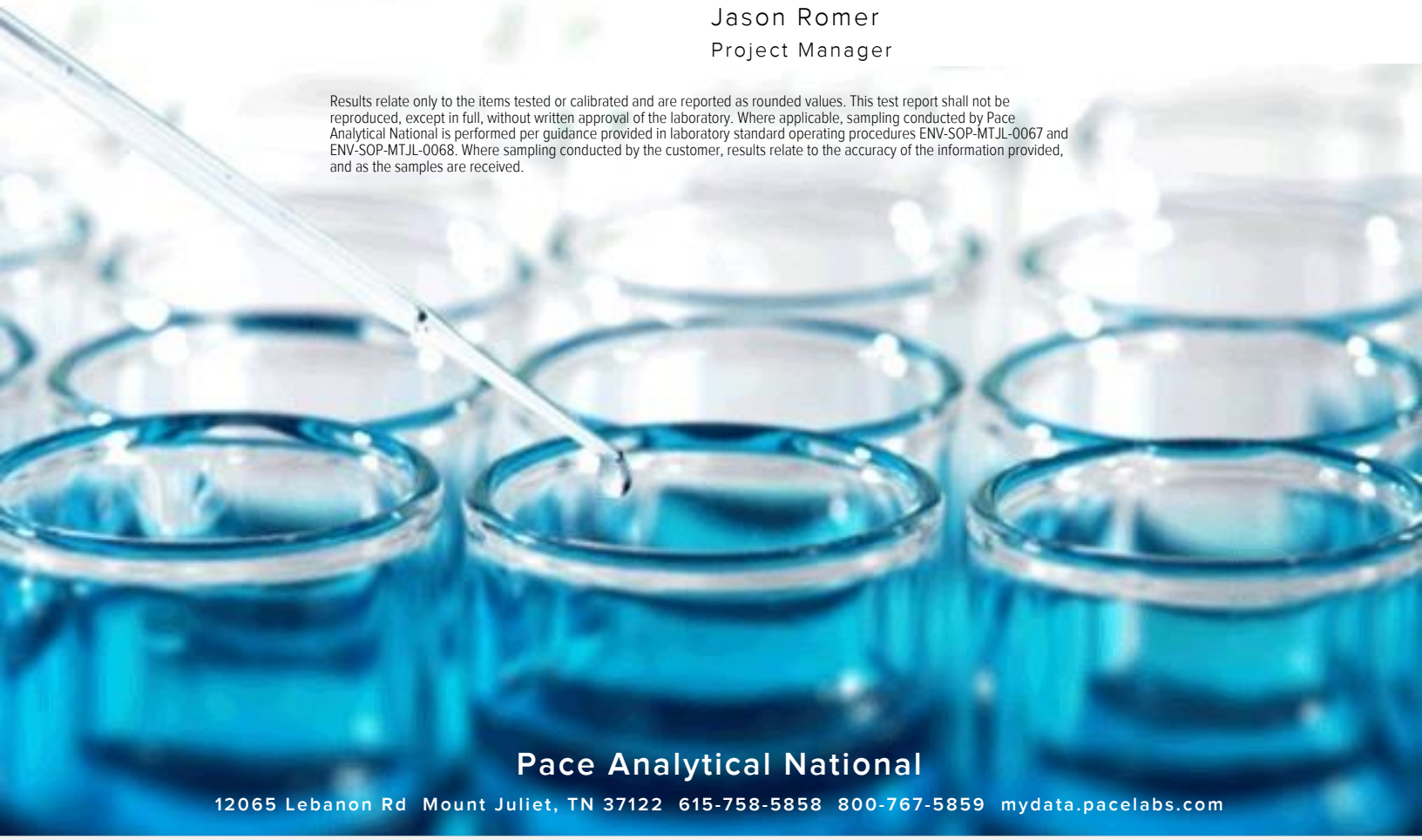
August 01, 2025

ERM - St. Louis, MO

Sample Delivery Group:	L1873864
Samples Received:	06/27/2025
Project Number:	0599247
Description:	Grand Tower Energy Center Groundwater 2Q25 Sampling
Report To:	Randy Homburg
	1968 Craig Road, Suite 100
	Saint Louis, MO 63146

Entire Report Reviewed By:

Jason Romer
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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SAMPLE SUMMARY

APW-03-WG-20250625 L1873864-01

Collected by: Emma Portell | Collected date/time: 06/25/25 12:20 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549522	1	07/01/25 07:27	07/01/25 10:29	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/05/25 23:04	07/05/25 23:04	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	10	07/05/25 23:17	07/05/25 23:17	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 11:31	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2549037	1	07/01/25 13:40	07/02/25 01:32	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:15	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 11:50	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 12:24	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 15:04	JDB	Mt. Juliet, TN

APW-08-WG-20250625 L1873864-02

Collected by: Emma Portell | Collected date/time: 06/25/25 13:55 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549522	1	07/01/25 07:27	07/01/25 10:29	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/05/25 23:30	07/05/25 23:30	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 11:33	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 03:36	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:25	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 11:51	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 12:27	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 15:08	JDB	Mt. Juliet, TN

APW-07-WG-20250625 L1873864-03

Collected by: Emma Portell | Collected date/time: 06/25/25 14:55 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549522	1	07/01/25 07:27	07/01/25 10:29	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/05/25 23:43	07/05/25 23:43	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 11:36	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 03:43	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:28	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 11:53	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 12:30	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 15:11	JDB	Mt. Juliet, TN

APW-10S-WG-20250625 L1873864-04

Collected by: Emma Portell | Collected date/time: 06/25/25 17:25 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549522	1	07/01/25 07:27	07/01/25 10:29	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 00:34	07/06/25 00:34	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 11:39	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 03:46	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:31	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 11:55	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 12:33	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 15:14	JDB	Mt. Juliet, TN

APW-10D-WG-20250625 L1873864-05

Collected by: Emma Portell | Collected date/time: 06/25/25 16:20 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549522	1	07/01/25 07:27	07/01/25 10:29	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 01:00	07/06/25 01:00	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 11:46	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 03:48	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:34	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 12:00	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 12:42	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 15:17	JDB	Mt. Juliet, TN

APW-06S-WG-20250624 L1873864-06

Collected by: Emma Portell | Collected date/time: 06/24/25 15:45 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549522	1	07/01/25 07:27	07/01/25 10:29	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 01:13	07/06/25 01:13	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	5	07/06/25 01:26	07/06/25 01:26	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 11:49	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 03:51	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:42	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 12:02	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 12:46	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 15:20	JDB	Mt. Juliet, TN

APW-06D-WG-20250624 L1873864-07

Collected by: Emma Portell | Collected date/time: 06/24/25 17:10 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549522	1	07/01/25 07:27	07/01/25 10:29	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 01:38	07/06/25 01:38	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	5	07/06/25 01:51	07/06/25 01:51	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 11:51	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 03:53	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:44	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 12:03	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 12:49	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 15:23	JDB	Mt. Juliet, TN

APW-05R-WG-20250626 L1873864-08

Collected by: Emma Portell | Collected date/time: 06/26/25 10:45 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549522	1	07/01/25 07:27	07/01/25 10:29	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 02:04	07/06/25 02:04	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	5	07/06/25 02:17	07/06/25 02:17	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552994	1	07/05/25 17:40	07/05/25 17:40	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 11:54	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 03:56	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:47	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 12:05	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 12:52	JPD	Mt. Juliet, TN

APW-05R-WG-20250626 L1873864-08

Collected by: Emma Portell | Collected date/time: 06/26/25 10:45 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 15:26	JDB	Mt. Juliet, TN

APW-09-WG-20250625 L1873864-09

Collected by: Emma Portell | Collected date/time: 06/25/25 09:45 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549522	1	07/01/25 07:27	07/01/25 10:29	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 02:56	07/06/25 02:56	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 11:56	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 03:58	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:50	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 12:07	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 12:55	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 15:29	JDB	Mt. Juliet, TN

APW-02-WG-20250626 L1873864-10

Collected by: Emma Portell | Collected date/time: 06/25/25 09:30 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2550382	1	07/01/25 14:18	07/02/25 11:12	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 03:21	07/06/25 03:21	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	10	07/06/25 03:34	07/06/25 03:34	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 11:59	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 04:00	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:53	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 12:08	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 12:58	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 15:32	JDB	Mt. Juliet, TN

APW-01R-WG-20250625 L1873864-11

Collected by: Emma Portell | Collected date/time: 06/25/25 11:10 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2550382	1	07/01/25 14:18	07/02/25 11:12	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 03:47	07/06/25 03:47	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 12:01	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 04:03	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:55	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 12:10	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 13:01	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 16:02	JDB	Mt. Juliet, TN

APW-04-WG-20250625 L1873864-12

Collected by: Emma Portell | Collected date/time: 06/25/25 08:15 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2550382	1	07/01/25 14:18	07/02/25 11:12	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 04:00	07/06/25 04:00	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN

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

APW-04-WG-20250625 L1873864-12

Collected by: Emma Portell | Collected date/time: 06/25/25 08:15 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 12:05	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 04:05	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 20:58	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 12:12	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 13:04	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 16:05	JDB	Mt. Juliet, TN

EB-01-WG-20250624 L1873864-13

Collected by: Emma Portell | Collected date/time: 06/24/25 13:45 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549522	1	07/01/25 07:27	07/01/25 10:29	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 04:26	07/06/25 04:26	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552999	1	07/05/25 19:20	07/05/25 19:20	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 12:11	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 04:13	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 21:01	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 12:13	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 13:07	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 16:08	JDB	Mt. Juliet, TN

DUP-01-WG-20250626 L1873864-14

Collected by: Emma Portell | Collected date/time: 06/26/25 00:01 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2550382	1	07/01/25 14:18	07/02/25 11:12	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	1	07/06/25 04:38	07/06/25 04:38	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548117	5	07/06/25 04:51	07/06/25 04:51	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 12:26	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 04:16	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 21:04	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 12:15	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 13:10	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 16:11	JDB	Mt. Juliet, TN

DUP-02-WG-20250625 L1873864-15

Collected by: Emma Portell | Collected date/time: 06/25/25 00:02 | Received date/time: 06/27/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2549523	1	06/30/25 16:08	06/30/25 16:53	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2548798	1	07/08/25 14:39	07/08/25 14:39	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2552995	1	07/05/25 19:00	07/05/25 19:00	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2548580	1	06/30/25 16:03	07/02/25 12:28	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2548583	1	06/29/25 17:34	07/01/25 04:18	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551106	1	07/08/25 10:58	07/08/25 21:06	BAG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2551209	1	07/07/25 08:53	07/08/25 14:44	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551122	1	07/08/25 11:03	07/26/25 13:33	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2551282	1	07/07/25 08:50	07/31/25 16:15	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.

Jason Romer
Project Manager

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

Lab Sample ID	Project Sample ID	Method
L1873864-01	APW-03-WG-20250625	6020B, 6010D
L1873864-02	APW-08-WG-20250625	6020B, 6010D, 7470A
L1873864-03	APW-07-WG-20250625	6020B, 6010D, 7470A
L1873864-04	APW-10S-WG-20250625	6010D, 6020B, 7470A
L1873864-05	APW-10D-WG-20250625	6020B, 7470A, 6010D
L1873864-06	APW-06S-WG-20250624	6010D, 6020B, 7470A
L1873864-07	APW-06D-WG-20250624	6010D, 6020B, 7470A
L1873864-08	APW-05R-WG-20250626	7470A, 6020B, 6010D
L1873864-09	APW-09-WG-20250625	6020B, 7470A, 6010D
L1873864-10	APW-02-WG-20250626	6020B, 7470A, 6010D
L1873864-11	APW-01R-WG-20250625	6010D, 6020B, 7470A
L1873864-12	APW-04-WG-20250625	7470A, 6010D, 6020B
L1873864-13	EB-01-WG-20250624	6020B, 6010D, 7470A
L1873864-14	DUP-01-WG-20250626	6010D, 6020B, 7470A
L1873864-15	DUP-02-WG-20250625	6020B, 7470A, 6010D
R4242258-3		6010D

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	536		10.0	1	07/01/2025 10:29	WG2549522

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	6.54		1.00	1	07/05/2025 23:04	WG2548117
Fluoride	0.263		0.150	1	07/05/2025 23:04	WG2548117
Sulfate	261		50.0	10	07/05/2025 23:17	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	8.11	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:
L1873864-01 WG2552995: 8.11 at 22.7C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 11:31	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/02/2025 01:32	WG2549037

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	4.52		0.200	1	07/08/2025 11:50	WG2551209
Boron,Dissolved	4.49		0.200	1	07/08/2025 20:15	WG2551106
Calcium	116		1.00	1	07/08/2025 11:50	WG2551209
Calcium,Dissolved	115	V	1.00	1	07/08/2025 20:15	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 15:04	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 12:24	WG2551122
Arsenic	ND		0.00200	1	07/31/2025 15:04	WG2551282
Arsenic,Dissolved	ND		0.00200	1	07/26/2025 12:24	WG2551122
Barium	0.107		0.00200	1	07/31/2025 15:04	WG2551282
Barium,Dissolved	0.0973		0.00200	1	07/26/2025 12:24	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 15:04	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 12:24	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 15:04	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 12:24	WG2551122
Chromium	ND		0.00200	1	07/31/2025 15:04	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 12:24	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 15:04	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 12:24	WG2551122
Lead	ND		0.00200	1	07/31/2025 15:04	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 12:24	WG2551122
Lithium	0.0290		0.00200	1	07/31/2025 15:04	WG2551282
Lithium,Dissolved	0.0314		0.00200	1	07/26/2025 12:24	WG2551122
Molybdenum	0.0600		0.00500	1	07/31/2025 15:04	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	0.0580		0.00500	1	07/26/2025 12:24	WG2551122
Selenium	ND		0.00200	1	07/31/2025 15:04	WG2551282
Selenium,Dissolved	ND		0.00200	1	07/26/2025 12:24	WG2551122
Thallium	ND		0.00200	1	07/31/2025 15:04	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 12:24	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	422		10.0	1	07/01/2025 10:29	WG2549522

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	8.66		1.00	1	07/05/2025 23:30	WG2548117
Fluoride	0.250		0.150	1	07/05/2025 23:30	WG2548117
Sulfate	28.6		5.00	1	07/05/2025 23:30	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.63	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:
L1873864-02 WG2552995: 7.63 at 22.6C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 11:33	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 03:36	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	ND		0.200	1	07/08/2025 11:51	WG2551209
Boron,Dissolved	ND		0.200	1	07/08/2025 20:25	WG2551106
Calcium	104		1.00	1	07/08/2025 11:51	WG2551209
Calcium,Dissolved	104		1.00	1	07/08/2025 20:25	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 15:08	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 12:27	WG2551122
Arsenic	ND		0.00200	1	07/31/2025 15:08	WG2551282
Arsenic,Dissolved	ND		0.00200	1	07/26/2025 12:27	WG2551122
Barium	0.206		0.00200	1	07/31/2025 15:08	WG2551282
Barium,Dissolved	0.191		0.00200	1	07/26/2025 12:27	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 15:08	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 12:27	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 15:08	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 12:27	WG2551122
Chromium	0.00204		0.00200	1	07/31/2025 15:08	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 12:27	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 15:08	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 12:27	WG2551122
Lead	ND		0.00200	1	07/31/2025 15:08	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 12:27	WG2551122
Lithium	0.0180		0.00200	1	07/31/2025 15:08	WG2551282
Lithium,Dissolved	0.0180		0.00200	1	07/26/2025 12:27	WG2551122
Molybdenum	ND		0.00500	1	07/31/2025 15:08	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	ND		0.00500	1	07/26/2025 12:27	WG2551122
Selenium	0.0183		0.00200	1	07/31/2025 15:08	WG2551282
Selenium,Dissolved	0.0169		0.00200	1	07/26/2025 12:27	WG2551122
Thallium	ND		0.00200	1	07/31/2025 15:08	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 12:27	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	683		13.3	1	07/01/2025 10:29	WG2549522

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	9.38		1.00	1	07/05/2025 23:43	WG2548117
Fluoride	0.168		0.150	1	07/05/2025 23:43	WG2548117
Sulfate	39.4		5.00	1	07/05/2025 23:43	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.22	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:

L1873864-03 WG2552995: 7.22 at 22.6C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 11:36	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 03:43	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	0.204		0.200	1	07/08/2025 11:53	WG2551209
Boron,Dissolved	0.217		0.200	1	07/08/2025 20:28	WG2551106
Calcium	199		1.00	1	07/08/2025 11:53	WG2551209
Calcium,Dissolved	195		1.00	1	07/08/2025 20:28	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 15:11	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 12:30	WG2551122
Arsenic	ND		0.00200	1	07/31/2025 15:11	WG2551282
Arsenic,Dissolved	ND		0.00200	1	07/26/2025 12:30	WG2551122
Barium	0.310		0.00200	1	07/31/2025 15:11	WG2551282
Barium,Dissolved	0.255		0.00200	1	07/26/2025 12:30	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 15:11	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 12:30	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 15:11	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 12:30	WG2551122
Chromium	ND		0.00200	1	07/31/2025 15:11	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 12:30	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 15:11	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 12:30	WG2551122
Lead	ND		0.00200	1	07/31/2025 15:11	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 12:30	WG2551122
Lithium	0.0141		0.00200	1	07/31/2025 15:11	WG2551282
Lithium,Dissolved	0.0138		0.00200	1	07/26/2025 12:30	WG2551122
Molybdenum	ND		0.00500	1	07/31/2025 15:11	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	ND		0.00500	1	07/26/2025 12:30	WG2551122
Selenium	ND		0.00200	1	07/31/2025 15:11	WG2551282
Selenium,Dissolved	ND		0.00200	1	07/26/2025 12:30	WG2551122
Thallium	ND		0.00200	1	07/31/2025 15:11	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 12:30	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	770		20.0	1	07/01/2025 10:29	WG2549522

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	12.4		1.00	1	07/06/2025 00:34	WG2548117
Fluoride	0.228		0.150	1	07/06/2025 00:34	WG2548117
Sulfate	ND		5.00	1	07/06/2025 00:34	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.27	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:

L1873864-04 WG2552995: 7.27 at 22.8C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 11:39	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 03:46	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	0.591		0.200	1	07/08/2025 11:55	WG2551209
Boron,Dissolved	0.592		0.200	1	07/08/2025 20:31	WG2551106
Calcium	163		1.00	1	07/08/2025 11:55	WG2551209
Calcium,Dissolved	159		1.00	1	07/08/2025 20:31	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 15:14	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 12:33	WG2551122
Arsenic	0.194		0.00200	1	07/31/2025 15:14	WG2551282
Arsenic,Dissolved	0.0574		0.00200	1	07/26/2025 12:33	WG2551122
Barium	0.596		0.00200	1	07/31/2025 15:14	WG2551282
Barium,Dissolved	0.322		0.00200	1	07/26/2025 12:33	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 15:14	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 12:33	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 15:14	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 12:33	WG2551122
Chromium	ND		0.00200	1	07/31/2025 15:14	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 12:33	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 15:14	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 12:33	WG2551122
Lead	ND		0.00200	1	07/31/2025 15:14	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 12:33	WG2551122
Lithium	0.0278		0.00200	1	07/31/2025 15:14	WG2551282
Lithium,Dissolved	0.0288		0.00200	1	07/26/2025 12:33	WG2551122
Molybdenum	ND		0.00500	1	07/31/2025 15:14	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	ND		0.00500	1	07/26/2025 12:33	WG2551122
Selenium	ND		0.00200	1	07/31/2025 15:14	WG2551282
Selenium,Dissolved	ND		0.00200	1	07/26/2025 12:33	WG2551122
Thallium	ND		0.00200	1	07/31/2025 15:14	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 12:33	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	463		10.0	1	07/01/2025 10:29	WG2549522

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	16.2		1.00	1	07/06/2025 01:00	WG2548117
Fluoride	ND		0.150	1	07/06/2025 01:00	WG2548117
Sulfate	33.0		5.00	1	07/06/2025 01:00	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.65	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:

L1873864-05 WG2552995: 7.65 at 23C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 11:46	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 03:48	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	ND		0.200	1	07/08/2025 12:00	WG2551209
Boron,Dissolved	ND		0.200	1	07/08/2025 20:34	WG2551106
Calcium	135		1.00	1	07/08/2025 12:00	WG2551209
Calcium,Dissolved	129		1.00	1	07/08/2025 20:34	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 15:17	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 12:42	WG2551122
Arsenic	ND		0.00200	1	07/31/2025 15:17	WG2551282
Arsenic,Dissolved	ND		0.00200	1	07/26/2025 12:42	WG2551122
Barium	0.344		0.00200	1	07/31/2025 15:17	WG2551282
Barium,Dissolved	0.320		0.00200	1	07/26/2025 12:42	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 15:17	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 12:42	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 15:17	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 12:42	WG2551122
Chromium	ND		0.00200	1	07/31/2025 15:17	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 12:42	WG2551122
Cobalt	0.00295		0.00200	1	07/31/2025 15:17	WG2551282
Cobalt,Dissolved	0.00253		0.00200	1	07/26/2025 12:42	WG2551122
Lead	ND		0.00200	1	07/31/2025 15:17	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 12:42	WG2551122
Lithium	0.0144		0.00200	1	07/31/2025 15:17	WG2551282
Lithium,Dissolved	0.0149		0.00200	1	07/26/2025 12:42	WG2551122
Molybdenum	ND		0.00500	1	07/31/2025 15:17	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	ND		0.00500	1	07/26/2025 12:42	WG2551122
Selenium	ND		0.00200	1	07/31/2025 15:17	WG2551282
Selenium,Dissolved	ND		0.00200	1	07/26/2025 12:42	WG2551122
Thallium	ND		0.00200	1	07/31/2025 15:17	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 12:42	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	538		10.0	1	07/01/2025 10:29	WG2549522

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	27.2		1.00	1	07/06/2025 01:13	WG2548117
Fluoride	0.291		0.150	1	07/06/2025 01:13	WG2548117
Sulfate	116		25.0	5	07/06/2025 01:26	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.58	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:

L1873864-06 WG2552995: 7.58 at 23.3C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 11:49	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 03:51	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	3.66		0.200	1	07/08/2025 12:02	WG2551209
Boron,Dissolved	3.10		0.200	1	07/08/2025 20:42	WG2551106
Calcium	109		1.00	1	07/08/2025 12:02	WG2551209
Calcium,Dissolved	84.1		1.00	1	07/08/2025 20:42	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 15:20	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 12:46	WG2551122
Arsenic	ND		0.00200	1	07/31/2025 15:20	WG2551282
Arsenic,Dissolved	ND		0.00200	1	07/26/2025 12:46	WG2551122
Barium	0.230		0.00200	1	07/31/2025 15:20	WG2551282
Barium,Dissolved	0.120		0.00200	1	07/26/2025 12:46	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 15:20	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 12:46	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 15:20	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 12:46	WG2551122
Chromium	ND		0.00200	1	07/31/2025 15:20	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 12:46	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 15:20	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 12:46	WG2551122
Lead	ND		0.00200	1	07/31/2025 15:20	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 12:46	WG2551122
Lithium	0.0295		0.00200	1	07/31/2025 15:20	WG2551282
Lithium,Dissolved	0.0261		0.00200	1	07/26/2025 12:46	WG2551122
Molybdenum	0.185		0.00500	1	07/31/2025 15:20	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	0.147		0.00500	1	07/26/2025 12:46	WG2551122
Selenium	ND		0.00200	1	07/31/2025 15:20	WG2551282
Selenium,Dissolved	ND		0.00200	1	07/26/2025 12:46	WG2551122
Thallium	ND		0.00200	1	07/31/2025 15:20	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 12:46	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	584		10.0	1	07/01/2025 10:29	WG2549522

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	17.5		1.00	1	07/06/2025 01:38	WG2548117
Fluoride	0.216		0.150	1	07/06/2025 01:38	WG2548117
Sulfate	211		25.0	5	07/06/2025 01:51	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.72	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:
L1873864-07 WG2552995: 7.72 at 23.3C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 11:51	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 03:53	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	3.89		0.200	1	07/08/2025 12:03	WG2551209
Boron,Dissolved	3.92		0.200	1	07/08/2025 20:44	WG2551106
Calcium	119		1.00	1	07/08/2025 12:03	WG2551209
Calcium,Dissolved	118		1.00	1	07/08/2025 20:44	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 15:23	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 12:49	WG2551122
Arsenic	0.0109		0.00200	1	07/31/2025 15:23	WG2551282
Arsenic,Dissolved	0.00520		0.00200	1	07/26/2025 12:49	WG2551122
Barium	0.123		0.00200	1	07/31/2025 15:23	WG2551282
Barium,Dissolved	0.107		0.00200	1	07/26/2025 12:49	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 15:23	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 12:49	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 15:23	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 12:49	WG2551122
Chromium	ND		0.00200	1	07/31/2025 15:23	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 12:49	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 15:23	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 12:49	WG2551122
Lead	ND		0.00200	1	07/31/2025 15:23	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 12:49	WG2551122
Lithium	0.0148		0.00200	1	07/31/2025 15:23	WG2551282
Lithium,Dissolved	0.0152		0.00200	1	07/26/2025 12:49	WG2551122
Molybdenum	0.0609		0.00500	1	07/31/2025 15:23	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	0.0558		0.00500	1	07/26/2025 12:49	WG2551122
Selenium	ND		0.00200	1	07/31/2025 15:23	WG2551282
Selenium,Dissolved	ND		0.00200	1	07/26/2025 12:49	WG2551122
Thallium	ND		0.00200	1	07/31/2025 15:23	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 12:49	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	504		10.0	1	07/01/2025 10:29	WG2549522

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	24.1		1.00	1	07/06/2025 02:04	WG2548117
Fluoride	0.369		0.150	1	07/06/2025 02:04	WG2548117
Sulfate	135		25.0	5	07/06/2025 02:17	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	8.00	T8	1	07/05/2025 17:40	WG2552994

Sample Narrative:

L1873864-08 WG2552994: 8 at 22.8C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 11:54	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 03:56	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	5.49		0.200	1	07/08/2025 12:05	WG2551209
Boron,Dissolved	5.58		0.200	1	07/08/2025 20:47	WG2551106
Calcium	104		1.00	1	07/08/2025 12:05	WG2551209
Calcium,Dissolved	104		1.00	1	07/08/2025 20:47	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 15:26	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 12:52	WG2551122
Arsenic	0.00223		0.00200	1	07/31/2025 15:26	WG2551282
Arsenic,Dissolved	ND		0.00200	1	07/26/2025 12:52	WG2551122
Barium	0.147		0.00200	1	07/31/2025 15:26	WG2551282
Barium,Dissolved	0.102		0.00200	1	07/26/2025 12:52	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 15:26	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 12:52	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 15:26	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 12:52	WG2551122
Chromium	ND		0.00200	1	07/31/2025 15:26	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 12:52	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 15:26	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 12:52	WG2551122
Lead	ND		0.00200	1	07/31/2025 15:26	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 12:52	WG2551122
Lithium	0.0248		0.00200	1	07/31/2025 15:26	WG2551282
Lithium,Dissolved	0.0257		0.00200	1	07/26/2025 12:52	WG2551122
Molybdenum	0.147		0.00500	1	07/31/2025 15:26	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	0.139		0.00500	1	07/26/2025 12:52	WG2551122
Selenium	ND		0.00200	1	07/31/2025 15:26	WG2551282
Selenium,Dissolved	ND		0.00200	1	07/26/2025 12:52	WG2551122
Thallium	ND		0.00200	1	07/31/2025 15:26	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 12:52	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	378		10.0	1	07/01/2025 10:29	WG2549522

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	12.1		1.00	1	07/06/2025 02:56	WG2548117
Fluoride	0.204		0.150	1	07/06/2025 02:56	WG2548117
Sulfate	48.6		5.00	1	07/06/2025 02:56	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.91	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:

L1873864-09 WG2552995: 7.91 at 23.1C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 11:56	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 03:58	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	0.614		0.200	1	07/08/2025 12:07	WG2551209
Boron,Dissolved	0.642		0.200	1	07/08/2025 20:50	WG2551106
Calcium	91.9		1.00	1	07/08/2025 12:07	WG2551209
Calcium,Dissolved	91.0		1.00	1	07/08/2025 20:50	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 15:29	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 12:55	WG2551122
Arsenic	0.00266		0.00200	1	07/31/2025 15:29	WG2551282
Arsenic,Dissolved	0.00233		0.00200	1	07/26/2025 12:55	WG2551122
Barium	0.132		0.00200	1	07/31/2025 15:29	WG2551282
Barium,Dissolved	0.101		0.00200	1	07/26/2025 12:55	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 15:29	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 12:55	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 15:29	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 12:55	WG2551122
Chromium	ND		0.00200	1	07/31/2025 15:29	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 12:55	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 15:29	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 12:55	WG2551122
Lead	ND		0.00200	1	07/31/2025 15:29	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 12:55	WG2551122
Lithium	0.0157		0.00200	1	07/31/2025 15:29	WG2551282
Lithium,Dissolved	0.0164		0.00200	1	07/26/2025 12:55	WG2551122
Molybdenum	0.0336		0.00500	1	07/31/2025 15:29	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	0.0298		0.00500	1	07/26/2025 12:55	WG2551122
Selenium	0.0226		0.00200	1	07/31/2025 15:29	WG2551282
Selenium,Dissolved	0.0227		0.00200	1	07/26/2025 12:55	WG2551122
Thallium	ND		0.00200	1	07/31/2025 15:29	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 12:55	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	801		13.3	1	07/02/2025 11:12	WG2550382

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	8.99		1.00	1	07/06/2025 03:21	WG2548117
Fluoride	0.264		0.150	1	07/06/2025 03:21	WG2548117
Sulfate	432		50.0	10	07/06/2025 03:34	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.41	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:

L1873864-10 WG2552995: 7.41 at 22.8C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 11:59	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 04:00	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	10.3		0.200	1	07/08/2025 12:08	WG2551209
Boron,Dissolved	10.4		0.200	1	07/08/2025 20:53	WG2551106
Calcium	185		1.00	1	07/08/2025 12:08	WG2551209
Calcium,Dissolved	151		1.00	1	07/08/2025 20:53	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 15:32	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 12:58	WG2551122
Arsenic	0.0284		0.00200	1	07/31/2025 15:32	WG2551282
Arsenic,Dissolved	0.00214		0.00200	1	07/26/2025 12:58	WG2551122
Barium	0.484		0.00200	1	07/31/2025 15:32	WG2551282
Barium,Dissolved	0.127		0.00200	1	07/26/2025 12:58	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 15:32	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 12:58	WG2551122
Cadmium	0.00104		0.00100	1	07/31/2025 15:32	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 12:58	WG2551122
Chromium	0.0361		0.00200	1	07/31/2025 15:32	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 12:58	WG2551122
Cobalt	0.0117		0.00200	1	07/31/2025 15:32	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 12:58	WG2551122
Lead	0.0323		0.00200	1	07/31/2025 15:32	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 12:58	WG2551122
Lithium	0.0513		0.00200	1	07/31/2025 15:32	WG2551282
Lithium,Dissolved	0.0402		0.00200	1	07/26/2025 12:58	WG2551122
Molybdenum	0.210		0.00500	1	07/31/2025 15:32	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	0.207		0.00500	1	07/26/2025 12:58	WG2551122
Selenium	ND		0.00200	1	07/31/2025 15:32	WG2551282
Selenium,Dissolved	ND		0.00200	1	07/26/2025 12:58	WG2551122
Thallium	ND		0.00200	1	07/31/2025 15:32	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 12:58	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	307		10.0	1	07/02/2025 11:12	WG2550382

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1.10		1.00	1	07/06/2025 03:47	WG2548117
Fluoride	0.159		0.150	1	07/06/2025 03:47	WG2548117
Sulfate	25.1		5.00	1	07/06/2025 03:47	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.18	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:

L1873864-11 WG2552995: 7.18 at 22.6C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 12:01	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 04:03	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	ND		0.200	1	07/08/2025 12:10	WG2551209
Boron,Dissolved	ND		0.200	1	07/08/2025 20:55	WG2551106
Calcium	69.4		1.00	1	07/08/2025 12:10	WG2551209
Calcium,Dissolved	68.8		1.00	1	07/08/2025 20:55	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 16:02	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 13:01	WG2551122
Arsenic	ND		0.00200	1	07/31/2025 16:02	WG2551282
Arsenic,Dissolved	ND		0.00200	1	07/26/2025 13:01	WG2551122
Barium	0.148		0.00200	1	07/31/2025 16:02	WG2551282
Barium,Dissolved	0.135		0.00200	1	07/26/2025 13:01	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 16:02	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 13:01	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 16:02	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 13:01	WG2551122
Chromium	0.00299		0.00200	1	07/31/2025 16:02	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 13:01	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 16:02	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 13:01	WG2551122
Lead	ND		0.00200	1	07/31/2025 16:02	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 13:01	WG2551122
Lithium	0.0124		0.00200	1	07/31/2025 16:02	WG2551282
Lithium,Dissolved	0.0121		0.00200	1	07/26/2025 13:01	WG2551122
Molybdenum	ND		0.00500	1	07/31/2025 16:02	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	ND		0.00500	1	07/26/2025 13:01	WG2551122
Selenium	0.00316		0.00200	1	07/31/2025 16:02	WG2551282
Selenium,Dissolved	0.00289		0.00200	1	07/26/2025 13:01	WG2551122
Thallium	ND		0.00200	1	07/31/2025 16:02	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 13:01	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	445		10.0	1	07/02/2025 11:12	WG2550382

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	11.1		1.00	1	07/06/2025 04:00	WG2548117
Fluoride	0.167		0.150	1	07/06/2025 04:00	WG2548117
Sulfate	68.4		5.00	1	07/06/2025 04:00	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.83	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:

L1873864-12 WG2552995: 7.83 at 22.7C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 12:05	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 04:05	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	1.14		0.200	1	07/08/2025 12:12	WG2551209
Boron,Dissolved	1.16		0.200	1	07/08/2025 20:58	WG2551106
Calcium	99.8		1.00	1	07/08/2025 12:12	WG2551209
Calcium,Dissolved	102		1.00	1	07/08/2025 20:58	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 16:05	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 13:04	WG2551122
Arsenic	ND		0.00200	1	07/31/2025 16:05	WG2551282
Arsenic,Dissolved	ND		0.00200	1	07/26/2025 13:04	WG2551122
Barium	0.133		0.00200	1	07/31/2025 16:05	WG2551282
Barium,Dissolved	0.127		0.00200	1	07/26/2025 13:04	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 16:05	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 13:04	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 16:05	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 13:04	WG2551122
Chromium	ND		0.00200	1	07/31/2025 16:05	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 13:04	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 16:05	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 13:04	WG2551122
Lead	ND		0.00200	1	07/31/2025 16:05	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 13:04	WG2551122
Lithium	0.0269		0.00200	1	07/31/2025 16:05	WG2551282
Lithium,Dissolved	0.0263		0.00200	1	07/26/2025 13:04	WG2551122
Molybdenum	0.0535		0.00500	1	07/31/2025 16:05	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	0.0499		0.00500	1	07/26/2025 13:04	WG2551122
Selenium	0.0165		0.00200	1	07/31/2025 16:05	WG2551282
Selenium,Dissolved	0.0152		0.00200	1	07/26/2025 13:04	WG2551122
Thallium	ND		0.00200	1	07/31/2025 16:05	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 13:04	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	ND		10.0	1	07/01/2025 10:29	WG2549522

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	ND		1.00	1	07/06/2025 04:26	WG2548117
Fluoride	ND		0.150	1	07/06/2025 04:26	WG2548117
Sulfate	ND		5.00	1	07/06/2025 04:26	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	5.61	T8	1	07/05/2025 19:20	WG2552999

Sample Narrative:

L1873864-13 WG2552999: 5.61 at 22.5C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 12:11	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 04:13	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	ND		0.200	1	07/08/2025 12:13	WG2551209
Boron,Dissolved	ND		0.200	1	07/08/2025 21:01	WG2551106
Calcium	ND		1.00	1	07/08/2025 12:13	WG2551209
Calcium,Dissolved	ND		1.00	1	07/08/2025 21:01	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 16:08	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 13:07	WG2551122
Arsenic	ND		0.00200	1	07/31/2025 16:08	WG2551282
Arsenic,Dissolved	ND		0.00200	1	07/26/2025 13:07	WG2551122
Barium	ND		0.00200	1	07/31/2025 16:08	WG2551282
Barium,Dissolved	ND		0.00200	1	07/26/2025 13:07	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 16:08	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 13:07	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 16:08	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 13:07	WG2551122
Chromium	ND		0.00200	1	07/31/2025 16:08	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 13:07	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 16:08	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 13:07	WG2551122
Lead	ND		0.00200	1	07/31/2025 16:08	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 13:07	WG2551122
Lithium	ND		0.00200	1	07/31/2025 16:08	WG2551282
Lithium,Dissolved	ND		0.00200	1	07/26/2025 13:07	WG2551122
Molybdenum	ND		0.00500	1	07/31/2025 16:08	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	ND		0.00500	1	07/26/2025 13:07	WG2551122
Selenium	ND		0.00200	1	07/31/2025 16:08	WG2551282
Selenium,Dissolved	ND		0.00200	1	07/26/2025 13:07	WG2551122
Thallium	ND		0.00200	1	07/31/2025 16:08	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 13:07	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	509		10.0	1	07/02/2025 11:12	WG2550382

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	23.6		1.00	1	07/06/2025 04:38	WG2548117
Fluoride	0.355		0.150	1	07/06/2025 04:38	WG2548117
Sulfate	133		25.0	5	07/06/2025 04:51	WG2548117

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.82	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:
L1873864-14 WG2552995: 7.82 at 22.5C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 12:26	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 04:16	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	5.53		0.200	1	07/08/2025 12:15	WG2551209
Boron,Dissolved	5.47		0.200	1	07/08/2025 21:04	WG2551106
Calcium	103		1.00	1	07/08/2025 12:15	WG2551209
Calcium,Dissolved	102		1.00	1	07/08/2025 21:04	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 16:11	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 13:10	WG2551122
Arsenic	0.00227		0.00200	1	07/31/2025 16:11	WG2551282
Arsenic,Dissolved	ND		0.00200	1	07/26/2025 13:10	WG2551122
Barium	0.146		0.00200	1	07/31/2025 16:11	WG2551282
Barium,Dissolved	0.103		0.00200	1	07/26/2025 13:10	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 16:11	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 13:10	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 16:11	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 13:10	WG2551122
Chromium	ND		0.00200	1	07/31/2025 16:11	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 13:10	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 16:11	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 13:10	WG2551122
Lead	ND		0.00200	1	07/31/2025 16:11	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 13:10	WG2551122
Lithium	0.0258		0.00200	1	07/31/2025 16:11	WG2551282
Lithium,Dissolved	0.0263		0.00200	1	07/26/2025 13:10	WG2551122
Molybdenum	0.146		0.00500	1	07/31/2025 16:11	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	0.140		0.00500	1	07/26/2025 13:10	WG2551122
Selenium	ND		0.00200	1	07/31/2025 16:11	WG2551282
Selenium,Dissolved	ND		0.00200	1	07/26/2025 13:10	WG2551122
Thallium	ND		0.00200	1	07/31/2025 16:11	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 13:10	WG2551122

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	393		10.0	1	06/30/2025 16:53	WG2549523

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	12.2		1.00	1	07/08/2025 14:39	WG2548798
Fluoride	0.208		0.150	1	07/08/2025 14:39	WG2548798
Sulfate	49.4		5.00	1	07/08/2025 14:39	WG2548798

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.90	T8	1	07/05/2025 19:00	WG2552995

Sample Narrative:

L1873864-15 WG2552995: 7.9 at 22.5C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/02/2025 12:28	WG2548580
Mercury,Dissolved	ND		0.000200	1	07/01/2025 04:18	WG2548583

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Boron	0.608		0.200	1	07/08/2025 14:44	WG2551209
Boron,Dissolved	0.624		0.200	1	07/08/2025 21:06	WG2551106
Calcium	92.0		1.00	1	07/08/2025 14:44	WG2551209
Calcium,Dissolved	89.4		1.00	1	07/08/2025 21:06	WG2551106

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Antimony	ND		0.00400	1	07/31/2025 16:15	WG2551282
Antimony,Dissolved	ND		0.00400	1	07/26/2025 13:33	WG2551122
Arsenic	0.00240		0.00200	1	07/31/2025 16:15	WG2551282
Arsenic,Dissolved	0.00221		0.00200	1	07/26/2025 13:33	WG2551122
Barium	0.117		0.00200	1	07/31/2025 16:15	WG2551282
Barium,Dissolved	0.101		0.00200	1	07/26/2025 13:33	WG2551122
Beryllium	ND		0.00200	1	07/31/2025 16:15	WG2551282
Beryllium,Dissolved	ND		0.00200	1	07/26/2025 13:33	WG2551122
Cadmium	ND		0.00100	1	07/31/2025 16:15	WG2551282
Cadmium,Dissolved	ND		0.00100	1	07/26/2025 13:33	WG2551122
Chromium	ND		0.00200	1	07/31/2025 16:15	WG2551282
Chromium,Dissolved	ND		0.00200	1	07/26/2025 13:33	WG2551122
Cobalt	ND		0.00200	1	07/31/2025 16:15	WG2551282
Cobalt,Dissolved	ND		0.00200	1	07/26/2025 13:33	WG2551122
Lead	ND		0.00200	1	07/31/2025 16:15	WG2551282
Lead,Dissolved	ND		0.00200	1	07/26/2025 13:33	WG2551122
Lithium	0.0160		0.00200	1	07/31/2025 16:15	WG2551282
Lithium,Dissolved	0.0163		0.00200	1	07/26/2025 13:33	WG2551122
Molybdenum	0.0314		0.00500	1	07/31/2025 16:15	WG2551282

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Molybdenum,Dissolved	0.0301		0.00500	1	07/26/2025 13:33	WG2551122
Selenium	0.0225		0.00200	1	07/31/2025 16:15	WG2551282
Selenium,Dissolved	0.0223		0.00200	1	07/26/2025 13:33	WG2551122
Thallium	ND		0.00200	1	07/31/2025 16:15	WG2551282
Thallium,Dissolved	ND		0.00200	1	07/26/2025 13:33	WG2551122

Method Blank (MB)

(MB) R4240088-1 07/01/25 10:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1873425-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1873425-12 07/01/25 10:29 • (DUP) R4240088-3 07/01/25 10:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1820	1870	1	2.84		10

L1873893-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1873893-06 07/01/25 10:29 • (DUP) R4240088-4 07/01/25 10:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	ND	ND	1	200	P1	10

Laboratory Control Sample (LCS)

(LCS) R4240088-2 07/01/25 10:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8780	99.8	90.0-110	

Method Blank (MB)

(MB) R4239488-1 06/30/25 16:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1873864-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1873864-15 06/30/25 16:53 • (DUP) R4239488-3 06/30/25 16:53

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	393	395	1	0.508		10

L1874350-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1874350-19 06/30/25 16:53 • (DUP) R4239488-4 06/30/25 16:53

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	747	752	1	0.711		10

Laboratory Control Sample (LCS)

(LCS) R4239488-2 06/30/25 16:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8910	101	90.0-110	

Method Blank (MB)

(MB) R4240565-1 07/02/25 11:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1873171-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1873171-05 07/02/25 11:12 • (DUP) R4240565-3 07/03/25 15:14

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1770	1800	1	1.96		10

L1874345-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1874345-10 07/02/25 11:12 • (DUP) R4240565-4 07/03/25 15:14

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3720	3750	1	0.938		10

Laboratory Control Sample (LCS)

(LCS) R4240565-2 07/02/25 11:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8740	99.3	90.0-110	

Method Blank (MB)

(MB) R4241404-1 07/05/25 19:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Sulfate	U		0.637	5.00

L1873559-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1873559-03 07/05/25 20:55 • (DUP) R4241404-3 07/05/25 21:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	12.8	12.8	1	0.174		15
Fluoride	ND	ND	1	0.000		15
Sulfate	ND	ND	1	0.879		15

L1873559-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1873559-04 07/05/25 21:47 • (DUP) R4241404-6 07/05/25 22:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	26.2	26.7	1	1.64		15
Fluoride	ND	ND	1	10.5		15
Sulfate	ND	ND	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4241404-2 07/05/25 20:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.0	97.5	80.0-120	
Fluoride	8.00	7.96	99.5	80.0-120	
Sulfate	40.0	40.1	100	80.0-120	

L1873559-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1873559-03 07/05/25 20:55 • (MS) R4241404-4 07/05/25 21:21 • (MSD) R4241404-5 07/05/25 21:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	12.8	50.8	50.6	95.1	94.5	1	80.0-120			0.495	15
Fluoride	8.00	ND	8.13	8.06	102	101	1	80.0-120			0.790	15
Sulfate	40.0	ND	42.3	42.1	99.9	99.4	1	80.0-120			0.482	15

L1873559-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1873559-04 07/05/25 21:47 • (MS) R4241404-7 07/05/25 22:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	26.2	59.6	83.5	1	80.0-120	
Fluoride	8.00	ND	7.73	95.5	1	80.0-120	
Sulfate	40.0	ND	37.5	93.7	1	80.0-120	

Method Blank (MB)

(MB) R4242530-1 07/08/25 13:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Sulfate	U		0.637	5.00

L1873950-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1873950-02 07/08/25 15:04 • (DUP) R4242530-3 07/08/25 15:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	25.2	24.9	1	0.957		15
Fluoride	0.700	0.668	1	4.71		15
Sulfate	6.12	6.18	1	1.04		15

L1874000-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1874000-01 07/08/25 20:31 • (DUP) R4242530-6 07/08/25 20:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	12.1	11.7	1	3.97		15
Fluoride	0.361	0.357	1	0.892		15
Sulfate	8.44	8.06	1	4.53		15

Laboratory Control Sample (LCS)

(LCS) R4242530-2 07/08/25 13:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.8	96.9	80.0-120	
Fluoride	8.00	7.86	98.2	80.0-120	
Sulfate	40.0	39.8	99.4	80.0-120	

L1873950-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1873950-02 07/08/25 15:04 • (MS) R4242530-4 07/08/25 15:29 • (MSD) R4242530-5 07/08/25 15:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	25.2	58.7	57.2	83.8	80.1	1	80.0-120			2.56	15
Fluoride	8.00	0.700	8.44	8.16	96.8	93.3	1	80.0-120			3.34	15
Sulfate	40.0	6.12	44.6	43.2	96.1	92.8	1	80.0-120			3.03	15

L1874000-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1874000-01 07/08/25 20:31 • (MS) R4242530-7 07/08/25 20:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	12.1	46.3	85.5	1	80.0-120	
Fluoride	8.00	0.361	7.80	93.0	1	80.0-120	
Sulfate	40.0	8.44	44.3	89.7	1	80.0-120	

L1872900-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1872900-09 07/05/25 17:40 • (DUP) R4240934-2 07/05/25 17:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.37	7.39	1	0.271		1

Sample Narrative:

OS: 7.37 at 23.4C

DUP: 7.39 at 23.4C

L1873717-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1873717-01 07/05/25 17:40 • (DUP) R4240934-3 07/05/25 17:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.32	7.35	1	0.409		1

Sample Narrative:

OS: 7.32 at 22.9C

DUP: 7.35 at 22.8C

Laboratory Control Sample (LCS)

(LCS) R4240934-1 07/05/25 17:40

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

Sample Narrative:

LCS: 10 at 23.4C

L1873794-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1873794-01 07/05/25 19:00 • (DUP) R4240938-2 07/05/25 19:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.33	8.34	1	0.120		1

Sample Narrative:

OS: 8.33 at 22.4C

DUP: 8.34 at 22.4C

L1874000-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1874000-01 07/05/25 19:00 • (DUP) R4240938-3 07/05/25 19:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.76	7.75	1	0.129		1

Sample Narrative:

OS: 7.76 at 22.7C

DUP: 7.75 at 22.7C

Laboratory Control Sample (LCS)

(LCS) R4240938-1 07/05/25 19:00

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: 9.98 at 22.8C

L1873660-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1873660-01 07/05/25 19:20 • (DUP) R4240943-2 07/05/25 19:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.98	7.98	1	0.000		1

Sample Narrative:

OS: 7.98 at 23C

DUP: 7.98 at 23C

L1874178-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1874178-26 07/05/25 19:20 • (DUP) R4240943-3 07/05/25 19:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.91	6.87	1	0.581		1

Sample Narrative:

OS: 6.91 at 22.1C

DUP: 6.87 at 21.9C

Laboratory Control Sample (LCS)

(LCS) R4240943-1 07/05/25 19:20

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: 9.98 at 22.7C

Method Blank (MB)

(MB) R4239464-1 07/02/25 11:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4239464-2 07/02/25 11:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00300	100	80.0-120	

L1873426-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1873426-06 07/02/25 11:21 • (MS) R4239464-4 07/02/25 11:26 • (MSD) R4239464-5 07/02/25 11:28

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	ND	0.00224	0.00226	70.9	71.6	1	75.0-125	J6	J6	0.875	20

Method Blank (MB)

(MB) R4238590-1 07/01/25 03:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4238590-2 07/01/25 03:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00262	87.3	80.0-120	

L1873893-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1873893-03 07/01/25 03:25 • (MS) R4238590-4 07/01/25 03:30 • (MSD) R4238590-5 07/01/25 03:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	ND	0.00251	0.00252	83.6	84.2	1	75.0-125			0.682	20

Method Blank (MB)

(MB) R4239244-1 07/02/25 01:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4239244-2 07/02/25 01:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00300	99.9	80.0-120	

L1873426-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1873426-04 07/02/25 01:16 • (MS) R4239244-4 07/02/25 01:21 • (MSD) R4239244-5 07/02/25 01:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	ND	0.00298	0.00285	99.3	95.0	1	75.0-125			4.40	20

QUALITY CONTROL SUMMARY

L1873864-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15

Method Blank (MB)

(MB) R4242258-1 07/08/25 20:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0233	0.200
Calcium,Dissolved	U		0.153	1.00

Laboratory Control Sample (LCS)

(LCS) R4242258-2 07/08/25 20:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	1.02	102	80.0-120	
Calcium,Dissolved	10.0	10.4	104	80.0-120	

L1873864-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1873864-01 07/08/25 20:15 • (MS) R4242258-4 07/08/25 20:20 • (MSD) R4242258-5 07/08/25 20:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	4.49	5.29	5.29	79.3	79.2	1	75.0-125			0.0189	20
Calcium,Dissolved	10.0	115	120	120	57.0	56.1	1	75.0-125	V	V	0.0790	20

Method Blank (MB)

(MB) R4242031-1 07/08/25 11:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0233	0.200
Calcium	U		0.153	1.00

Laboratory Control Sample (LCS)

(LCS) R4242031-2 07/08/25 11:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	1.01	101	80.0-120	
Calcium	10.0	10.4	104	80.0-120	

L1874003-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874003-02 07/08/25 11:43 • (MS) R4242031-4 07/08/25 11:46 • (MSD) R4242031-5 07/08/25 11:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	ND	1.02	1.02	102	102	1	75.0-125			0.351	20
Calcium	10.0	ND	10.5	10.5	105	105	1	75.0-125			0.0946	20

Method Blank (MB)

(MB) R4249949-1 07/26/25 12:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony,Dissolved	U		0.000310	0.00400
Arsenic,Dissolved	U		0.000120	0.00200
Barium,Dissolved	U		0.000500	0.00200
Beryllium,Dissolved	U		0.000200	0.00200
Cadmium,Dissolved	U		0.000120	0.00100
Chromium,Dissolved	U		0.000900	0.00200
Cobalt,Dissolved	U		0.000100	0.00200
Lead,Dissolved	U		0.000500	0.00200
Lithium,Dissolved	U		0.000600	0.00200
Molybdenum,Dissolved	U		0.000500	0.00500
Selenium,Dissolved	U		0.000250	0.00200
Thallium,Dissolved	U		0.000130	0.00200

Laboratory Control Sample (LCS)

(LCS) R4249949-2 07/26/25 12:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	0.0500	0.0513	103	80.0-120	
Arsenic,Dissolved	0.0500	0.0515	103	80.0-120	
Barium,Dissolved	0.0500	0.0509	102	80.0-120	
Beryllium,Dissolved	0.0500	0.0492	98.5	80.0-120	
Cadmium,Dissolved	0.0500	0.0554	111	80.0-120	
Chromium,Dissolved	0.0500	0.0527	105	80.0-120	
Cobalt,Dissolved	0.0500	0.0528	106	80.0-120	
Lead,Dissolved	0.0500	0.0549	110	80.0-120	
Lithium,Dissolved	0.0500	0.0514	103	80.0-120	
Molybdenum,Dissolved	0.0500	0.0514	103	80.0-120	
Selenium,Dissolved	0.0500	0.0496	99.2	80.0-120	
Thallium,Dissolved	0.0500	0.0539	108	80.0-120	

L1874569-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874569-01 07/26/25 12:11 • (MS) R4249949-4 07/26/25 12:18 • (MSD) R4249949-5 07/26/25 12:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	0.0500	ND	0.0519	0.0520	104	104	1	75.0-125			0.106	20
Arsenic,Dissolved	0.0500	0.00298	0.0528	0.0530	99.6	100	1	75.0-125			0.343	20
Barium,Dissolved	0.0500	0.0681	0.119	0.118	101	100	1	75.0-125			0.384	20

L1874569-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1874569-01 07/26/25 12:11 • (MS) R4249949-4 07/26/25 12:18 • (MSD) R4249949-5 07/26/25 12:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Beryllium,Dissolved	0.0500	ND	0.0470	0.0470	94.1	94.1	1	75.0-125			0.00317	20
Cadmium,Dissolved	0.0500	ND	0.0536	0.0544	107	109	1	75.0-125			1.40	20
Chromium,Dissolved	0.0500	ND	0.0508	0.0511	102	102	1	75.0-125			0.523	20
Cobalt,Dissolved	0.0500	ND	0.0504	0.0513	101	103	1	75.0-125			1.83	20
Lead,Dissolved	0.0500	ND	0.0516	0.0530	103	106	1	75.0-125			2.54	20
Lithium,Dissolved	0.0500	0.0103	0.0579	0.0578	95.2	95.0	1	75.0-125			0.155	20
Molybdenum,Dissolved	0.0500	0.00805	0.0591	0.0603	102	104	1	75.0-125			2.00	20
Selenium,Dissolved	0.0500	ND	0.0489	0.0512	97.9	102	1	75.0-125			4.59	20
Thallium,Dissolved	0.0500	ND	0.0508	0.0528	102	106	1	75.0-125			3.86	20

Method Blank (MB)

(MB) R4252210-1 07/31/25 14:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony	U		0.000310	0.00400
Arsenic	U		0.000120	0.00200
Barium	0.00132	J	0.000500	0.00200
Beryllium	U		0.000200	0.00200
Cadmium	U		0.000120	0.00100
Chromium	U		0.000900	0.00200
Cobalt	U		0.000100	0.00200
Lead	0.00145	J	0.000500	0.00200
Lithium	U		0.000600	0.00200
Molybdenum	U		0.000500	0.00500
Selenium	U		0.000250	0.00200
Thallium	U		0.000130	0.00200

Laboratory Control Sample (LCS)

(LCS) R4252210-2 07/31/25 14:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	0.0500	0.0486	97.1	80.0-120	
Arsenic	0.0500	0.0500	100	80.0-120	
Barium	0.0500	0.0491	98.2	80.0-120	
Beryllium	0.0500	0.0455	91.0	80.0-120	
Cadmium	0.0500	0.0566	113	80.0-120	
Chromium	0.0500	0.0525	105	80.0-120	
Cobalt	0.0500	0.0523	105	80.0-120	
Lead	0.0500	0.0524	105	80.0-120	
Lithium	0.0500	0.0463	92.6	80.0-120	
Molybdenum	0.0500	0.0505	101	80.0-120	
Selenium	0.0500	0.0514	103	80.0-120	
Thallium	0.0500	0.0533	107	80.0-120	

L1873826-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1873826-21 07/31/25 14:08 • (MS) R4252210-4 07/31/25 14:14 • (MSD) R4252210-5 07/31/25 14:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	0.0500	ND	0.0531	0.0504	106	101	1	75.0-125			5.34	20
Arsenic	0.0500	ND	0.0548	0.0538	107	105	1	75.0-125			1.94	20
Barium	0.0500	0.0166	0.0669	0.0650	101	96.7	1	75.0-125			2.99	20

L1873826-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1873826-21 07/31/25 14:08 • (MS) R4252210-4 07/31/25 14:14 • (MSD) R4252210-5 07/31/25 14:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Beryllium	0.0500	ND	0.0391	0.0397	78.3	79.3	1	75.0-125			1.37	20
Cadmium	0.0500	ND	0.0572	0.0571	114	114	1	75.0-125			0.201	20
Chromium	0.0500	ND	0.0548	0.0530	107	104	1	75.0-125			3.23	20
Cobalt	0.0500	0.0379	0.0923	0.0909	109	106	1	75.0-125			1.52	20
Lead	0.0500	0.00220	0.0498	0.0514	95.3	98.4	1	75.0-125			3.05	20
Lithium	0.0500		0.407	0.405	0.000	0.000	1	75.0-125	V	V	0.636	20
Molybdenum	0.0500	ND	0.0553	0.0522	111	104	1	75.0-125			5.65	20
Selenium	0.0500	ND	0.0550	0.0545	110	109	1	75.0-125			0.901	20
Thallium	0.0500	ND	0.0498	0.0501	99.7	100	1	75.0-125			0.496	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

1968 Craig Road, Suite 100
Saint Louis, MO 63146

Billing Information:
Accounts Payable Dept.
1701 Golf Road, Suite 1-1000
Rolling Meadows, IL 60008-4242

Pres Chk

Report to:
Randy Homburg 314-682-3980

Email To:
Randy.Homburg@erm.com;Tim.Wilson@erm.co

Project Description:
Grand Tower Energy Center Groundwater 2Q25

City/State Collected: Grand Tower, IL

Please Circle: PT MT CT ET

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

Client Project #
0599247

Lab Project #
ERMSCMO-0599247

Collected by (print):
Emma Portell

Site/Facility ID #

P.O. #

Collected by (signature):
Emma Portell

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
STD TAT

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Anions 125mlHDPE-NoPres	Dissolved Metals 250mlHDPE-NoPres	TDS 1L-HDPE NoPres	Total Metals 250mlHDPE-HNO3	pH 125mlHDPE-NoPres					Remarks	Sample # (lab only)
APW-03-WG-2025 0625	Grab	GW	54.70	6/25/25	1220	5	X	X	X	X	X						01
APW-08-WG-2025 0625		GW	57.20	6/25/25	1355	5	X	X	X	X	X						02
APW-07-WG-2025 0625		GW	58.18	6/25/25	1455	5	X	X	X	X	X						03
APW-10S-WG-2025 0625		GW	57.90	6/25/25	1620	5	X	X	X	X	X						04
APW-10D-WG-2025 0625		GW	93.93	6/25/25	1725	5	X	X	X	X	X						05
APW-06S-WG-2025 0624		GW	59.65	6/24/25	1545	5	X	X	X	X	X						06
APW-06D-WG-2025 0624		GW	151.44	6/24/25	1710	5	X	X	X	X	X						07
APW-05R-WG-2025 0626		GW	57.80	6/26/25	1045	5	X	X	X	X	X						08
APW-09-WG-2025 0625		GW	58.10	6/25/25	0945	5	X	X	X	X	X						09
APW-02-WG-2025 0626		GW	53.15	6/26/25	0930	5	X	X	X	X	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 #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Emma Portell	6/26/25	1430	Tom Escano
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Tom			
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			C Parker

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 24

Date: 6/27/25 Time: 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

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

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

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

SDG # L1673800

F187

Acctnum: **ERMSCMO**
Template:**T243415**
Prelogin: **P1145307**
PM: **206 - Jeff Carr**
PB:

Shipped Via: **FedEX Ground**

Company Name/Address:
ERM - St. Louis, MO

1968 Craig Road, Suite 100
Saint Louis, MO 63146

Billing Information:
Accounts Payable Dept.
1701 Golf Road, Suite 1-1000
Rolling Meadows, IL 60008-4242

Report to:
Randy Homburg 314-682-3980

Email To:
Randy.Homburg@erm.com;Tim.Wilson@erm.co

Project Description:
Grand Tower Energy Center Groundwater 2Q25

City/State Collected: Grand Tower, IL

Please Circle: PT MT (CT) ET

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

Client Project #
0599247

Lab Project #
ERMSCMO-0599247

Collected by (print):
Emma Portell

Site/Facility ID #

P.O. #

Collected by (signature):
Emma Portell

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
STD TAT

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Anions 125mlHDPE-NoPres	Dissolved Metals 250mlHDPE-NoPres	TDS 1L-HDPE NoPres	Total Metals 250mlHDPE-HNO3	pH 125mlHDPE-NoPres					Remarks	Sample # (lab only)
APW-01R-WG-2025 0625	Grab	GW	53.90	6/25/25	1110	5	X	X	X	X	X						11
APW-04-WG-2025 0625		GW	55.39	6/25/25	0815	5	X	X	X	X	X						12
EB-01-WG-2025 0624		GW	NA	6/24/25	1345	5	X	X	X	X	X						13
DUP-01-WG-2025 0626		GW		6/26/25	0001	5	X	X	X	X	X						14
DUP-02-WG-2025 0625		GW		6/25/25	0002	5	X	X	X	X	X						15

cr 06.27.25

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

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

SDG # UC673564

Table #

Acctnum: **ERMSCMO**
Template: **T243415**
Prelogin: **P1145307**
PM: **206 - Jeff Carr**
PB:

Shipped Via: **FedEX Ground**

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Emma Portell	6/26/25	1430	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 14

Date: 06.27.25 Time: 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

DC#_Title: ENV-FRM-MTJL-0575 v01_Login_Multiple Parcel Form
Effective Date: 2/20/2025

L18738864

Multiple Parcel Form L#_____

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
4257 0933 7555	TLA9	0.5	0.4	0.9	Yes / No / ~~Not Present~~
4257 0933 7526	TLA9	0.8	0.4	1.2	Yes / No / ~~Not Present~~
4257 0933 7603	TLA9	4.9	0.4	5.3	Yes / No / ~~Not Present~~
4257 0933 7577	TLA9	2.5	0.4	2.9	Yes / No / ~~Not Present~~
4257 0933 7599	TLA9	1.6	0.4	2.0	Yes / No / ~~Not Present~~
4257 0933 7588	TLA9	3.1	0.4	3.5	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

CRoberts
Name

06.27.25
Date