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COAL COMBUSTION RESIDUAL RULE
2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PRIMARY ASH POND
COLETO CREEK POWER STATION
FANNIN, TEXAS

January 31, 2025

Prepared For:

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ACRONYMS AND ABBREVIATIONS

BBA	Bullock, Bennett & Associates, LLC
CCR	Coal Combustion Residuals
C.F.R.	Code of Federal Regulations
GWPS	Groundwater Protection Standard
MCL	Maximum Concentration Level
mg/L	Milligrams per Liter
NA	Not Applicable
OBG	O'Brien & Gere Engineers, Inc.
SSI	Statistically Significant Increase
SSL	Statistically Significant Level
T.A.C.	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
USEPA	United States Environmental Protection Agency

EXECUTIVE SUMMARY

Bullock, Bennett & Associates, LLC (BBA) has prepared this report on behalf of Coleto Creek Power, LLC to satisfy the 2024 annual groundwater monitoring and corrective action reporting requirements of 40 C.F.R. Part 257 and 30 T.A.C. Chapter 352 for the Primary Ash Pond (the "CCR unit") at the Coleto Creek Power Station in Fannin, Texas. The CCR unit and CCR monitoring well network are shown on Figure 1.

At the beginning and end of the 2024 reporting period, the CCR unit was operating under an Assessment Monitoring Program as described in § 257.95. The Assessment Monitoring Program was established on May 9, 2018. No constituents listed in Appendix IV to Part 257 were detected at statistically significant levels (SSLs) above groundwater protection standards (GWPSs) during 2024. The Assessment Monitoring Program will continue during 2025 in accordance with § 257.95.

1.0 INTRODUCTION

The CCR Rule (40 C.F.R. 257 Subpart D - *Standards for the Receipt of Coal Combustion Residuals in Landfills and Surface Impoundments*) was promulgated by the United States Environmental Protection Agency (USEPA) to regulate the management and disposal of CCRs as solid waste under Resource Conservation and Recovery Act (RCRA) Subtitle D. TCEQ has adopted portions of the federal CCR rule at 30 T.A.C. Chapter 352 (Texas CCR Rule), and USEPA published its final approval of the Texas CCR rule on June 28, 2021. *See* 86 Fed. Reg. 33,892 (June 28, 2021). The Texas CCR Rule became effective on July 28, 2021, and it adopts and incorporates by reference the requirements for the annual groundwater monitoring report located at 40 C.F.R. § 257.90. *See* 30 T.A.C. § 352.901. It further adopts and incorporates by reference the Federal CCR Program requirements for detection and assessment monitoring in 30 T.A.C. § 352.941 and 30 T.A.C. § 352.951, respectively. Pursuant to 30 T.A.C. § 352.902, this report will be submitted to TCEQ for review no later than 30 days after the report has been placed in the facility's operating record. For existing CCR landfills and surface impoundments, the CCR Rule requires that the owner or operator prepare an annual groundwater monitoring and corrective action report to document the status of the groundwater monitoring and corrective action program for the CCR unit for the previous calendar year. Per § 257.90(e) of the CCR Rule, the report should contain the following information, to the extent available:

(1) A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit;

(2) Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken;

(3) In addition to all the monitoring data obtained under §§ 257.90 through 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs;

(4) A narrative discussion of any transition between monitoring programs (*e.g.,* the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over

background levels); and

(5) Other information required to be included in the annual report as specified in §§ 257.90 through 257.98.

(6) A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following:

(i) At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in §257.94 or the assessment monitoring program in §257.95;

(ii) At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95;

(iii) If it was determined that there was a statistically significant increase over background for one or more constituents listed in appendix III to this part pursuant to § 257.94(e):

(A) Identify those constituents listed in appendix III to this part and the names of the monitoring wells associated with such an increase; and

(B) Provide the date when the assessment monitoring program was initiated for the CCR unit.

(iv) If it was determined that there was a SSL above the groundwater protection standard for one or more constituents listed in appendix IV to this part pursuant to § 257.95(g) include all of the following:

(A) Identify those constituents listed in appendix IV to this part and the names of the monitoring wells associated with such an increase;

(B) Provide the date when the assessment of corrective measures was initiated for the CCR unit;

(C) Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit; and

(D) Provide the date when the assessment of corrective measures was completed for the CCR unit.

(v) Whether a remedy was selected pursuant to § 257.97 during the current annual reporting period, and if so, the date of remedy selection; and

(vi) Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.

2.0 MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

O'Brien & Gere Engineers, Inc. (OBG) collected the initial Detection Monitoring Program groundwater samples from the Primary Ash Pond CCR monitoring well network in November 2017. OBG completed an evaluation of those data in 2018 using procedures described in the Statistical Analysis Plan (OBG, 2017) to identify statistically significant increases (SSIs) of Appendix III parameters over background concentrations. The Detection Monitoring Program sampling dates and parameters are summarized in the following table:

Detection Monitoring Program Summary

Sampling Completion Date	Parameters	SSIs	Assessment Monitoring Program Established
November 8, 2017	Appendix III	Yes	May 9, 2018

Alternate source evaluations were inconclusive for one or more of the SSIs. Consequently, an Assessment Monitoring Program was initiated and established for the Primary Ash Pond CCR unit in 2018 in accordance with § 257.94(e)(2).

OBG collected the initial 2018 Assessment Monitoring Program groundwater samples in June 2018. Subsequent Assessment Monitoring Program sampling events have been conducted on a semi-annual basis as required by the CCR Rule. All CCR groundwater monitoring wells were sampled for Appendix III and Appendix IV constituents during the first and second semi-annual sampling events of each year. The Assessment Monitoring Program sampling dates and results are summarized in the following table:

Assessment Monitoring Program Summary

Sampling Completion Date	Date Analytical Data Received	Appendix IV SSL(s)	SSL(s) Determination Date	Corrective Measures Assessment Initiated
June 25, 2018	August 7, 2018	No	NA	NA
Sept. 18, 2018	October 12, 2018	No	NA	NA
June 5, 2019	July 12, 2019	No	NA	NA

Sampling Completion Date	Date Analytical Data Received	Appendix IV SSL(s)	SSL(s) Determination Date	Corrective Measures Assessment Initiated
October 3, 2019	November 5, 2019	No	NA	NA
June 9, 2020	July 15, 2020	No	NA	NA
October 6, 2020	November 9, 2020	No	NA	NA
June 25, 2021	July 30, 2021	No	NA	NA
September 28, 2021	November 9, 2021	No	NA	NA
May 26, 2022	July 18, 2022	No	NA	NA
September 20, 2022	November 2, 2022	No	NA	NA
May 26, 2023	June 30, 2023	No	NA	NA
August 24, 2023	October 4, 2023	No	NA	NA
May 30, 2024	July 2, 2024	No	NA	NA
September 25, 2024	October 30, 2024	No	NA	NA

Notes:
NA - not applicable

As documented in the Background Groundwater Monitoring and Statistical Analysis Summary Report (BBA, 2023), statistical background upper prediction limits (UPLs) and GWPSs were developed using statistical procedures that conform with the groundwater sampling and analysis requirements of 40 C.F.R. 257.93 and the EPA's *Unified Guidance: Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities* (EPA, 2009). The background UPLs and GWPSs for the Primary Ash Pond are presented in Tables 1 and 2, respectively.

Groundwater sample data collected from the site are summarized in Table 3 (Appendix III parameters) and Table 4 (Appendix IV parameters), and the 2024 laboratory analytical reports are provided in Appendix A. In accordance with the assessment monitoring program requirements in 40 C.F.R. 257.95, Appendix IV constituent concentrations are used to evaluate whether an SSL above GWPSs has occurred at a site. The 95% lower confidence limit of the mean (LCL) is calculated for each detected Appendix IV constituent in a downgradient well using the current and previous sampling event concentrations in accordance with procedures described in the Statistical Analysis Plan for the site (Golder 2022) and the *Unified Guidance*

(EPA, 2009). A statistically significant increase over the GWPS has occurred at a CCR unit when the LCL for at least one assessment monitoring constituent at a downgradient well is greater than the appropriate GWPS. The statistical data analysis for the current period is summarized in Appendix B. The statistical data analysis indicates that no of the Appendix IV parameters were present at SSLs above applicable GWPSs in 2024.

3.0 KEY ACTIONS COMPLETED IN 2024

Two semi-annual Assessment Monitoring Program groundwater monitoring events were performed in 2024. The number of groundwater samples that were collected for analysis from each background and downgradient well, the dates the samples were collected, and the analytical results for the groundwater samples are summarized in Table 3 (Appendix III parameters) and Table 4 (Appendix IV parameters).

Water elevations measured in the CCR wells during the semi-annual groundwater monitoring events are summarized in Table 5. Groundwater potentiometric surface maps are presented in Appendix C. The inferred direction and magnitude of groundwater flow during the 2024 semi-annual monitoring events was generally to the east-southeast at about 19 feet per year, which is similar to previously observed conditions at the site.

No CCR wells were installed or decommissioned in 2024.

4.0 PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

No problems were encountered with the CCR groundwater monitoring program in 2024.

5.0 KEY ACTIVITIES PLANNED FOR 2025

The following key activities are planned for 2025:

- Continue the Assessment Monitoring Program in accordance with applicable provisions of 40 C.F.R. § 257.95 and 30 T.A.C. § 352.951.

6.0 REFERENCES

Bullock, Bennett & Associates, LLC (BBA), 2023. CCR Background Groundwater Monitoring and Statistical Analysis Summary Report, Primary Ash Pond, Coleto Creek Power Station, Fannin, Texas. October 6.

Golder, 2022. Coal Combustion Residual Rule Statistical Analysis Plan – Revision No. 1, Coleto Creek Power Station, Primary Ash Pond, Fannin, Texas.

O'Brien & Gere Engineers, Inc. (OBG), 2017. Statistical Method Certification, CCR Unit: Coleto Creek Power, LP; Coleto Creek Power Station; Coleto Creek Primary Ash Pond.

USEPA, 2009. Unified Guidance Document: Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, EPA 530/R-09-007, March.

SIGNATURE PAGE

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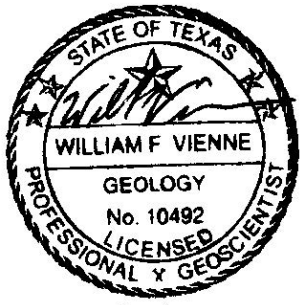


01/31/2025

FIGURES

LEGEND

- PROPERTY BOUNDARY
- CCR MONITORING UNIT
- DOWNGRADIENT CCR MONITORING WELL
- UPGRADIENT CCR MONITORING WELL
- RAILROAD

REFERENCE(S)

BASE MAP TAKEN FROM GOOGLE EARTH, IMAGERY DATED 1/15/21.

0 600 1200
1" = 1200' FEET

LUMINANT

COLETO CREEK POWER STATION
FANNIN, TEXAS

Figure 1
PRIMARY ASH POND
SITE PLAN

PROJECT: 23643.19	BY: SLB	DATE: 11/30/2023	CHECKED: WV

Bullock, Bennett & Associates, LLC
Engineering and Geoscience
Texas Registrations: Engineering F-8542, Geoscience 50127

TABLES

Table 1
Appendix III Statistical Background Values
Coleto Creek Primary Ash Pond

Parameter	Statistical Background Value
Boron (mg/L)	1.3
Calcium (mg/L)	140
Chloride (mg/L)	120
Fluoride (mg/L)	0.61
field pH (s.u.)	6.5 7.3
Sulfate (mg/L)	150
Total Dissolved Solids (mg/L)	970

Table 2
Groundwater Protection Standards
Coleto Creek Primary Ash Pond

Parameter	Groundwater Protection Standard
Antimony (mg/L)	0.0060
Arsenic (mg/L)	0.130
Barium (mg/L)	2.0
Beryllium (mg/L)	0.0040
Cadmium (mg/L)	0.0050
Chromium (mg/L)	0.10
Cobalt (mg/L)	0.050
Fluoride (mg/L)	4.0
Lead (mg/L)	0.015
Lithium (mg/L)	0.040
Mercury (mg/L)	0.0020
Molybdenum (mg/L)	0.10
Selenium (mg/L)	0.050
Thallium (mg/L)	0.0020
Radium 226+228 (pCi/L)	5.0

TABLE 3
APPENDIX III ANALYTICAL RESULTS
COLETO CREEK PRIMARY ASH POND

Sample Location	Date Sampled	B	Ca	Cl	F	field pH	SO_4	TDS
Upgradient Wells								
BV-5	03/29/17	1.15	90.5	118	0.54	7.01	147	860
	05/11/17	1.03	81.6	106	0.57	6.89	148	862
	05/16/17	1.17	99	107	0.55	6.9	145	832
	06/07/17	1.11	88.8	109	0.56	6.64	147	810
	06/20/17	1.02	90.7	106	0.58	6.54	145	716
	06/27/17	1.14	100	114	0.55	6.76	144	743
	07/12/17	1.07	96.8	112	0.56	6.88	140	430
	07/18/17	1.17	143	117	0.56	6.68	142	817
	11/07/17	1.10	94.2	109	0.62	6.96	136	850
	06/19/18	1.18	56.4	112	0.97	--	147	775
	09/18/18	1.27	86.2	145	0.667	6.53	146	904
	06/05/19	1.26	82.9	123	0.769	6.89	146	828
	10/03/19	1.31	72.2	141	0.753	7.11	145	806
	06/09/20	1.35	90.4	171	0.498	6.97	159	951
	10/06/20	1.26	80.2	133	1.01	6.54	155	843
	06/02/21	1.35	108	201	0.699	6.62	190	1110
	09/28/21	1.12	75.6	146	0.687	6.74	169	925
	05/26/22	1.03	52.8	91.7	1.10	7.17	126	681
	09/21/22	1.16	71.4	117	0.87	7.49	137	777
	05/26/23	1.06	65.6	130	0.993	7.14	130	827
	08/24/23	1.09	53.9	120	0.958	6.47	116	767
	05/29/24	1.15	57.2	116	1.06	7.35	116	913
	09/24/24	1.04	62.2	108	1.00	7.22	102	741
BV-21	03/28/17	0.651	6.89	36	0.61	7.09	69	490
	05/09/17	0.687	65.2	38	0.61	7.04	55	410
	05/17/17	0.709	74.3	39	0.58	7.05	53	454
	06/06/17	0.657	69	40	0.59	7.11	49	452
	06/20/17	0.642	77	40	0.61	6.7	45	356
	06/27/17	0.727	84.9	40	0.6	6.97	46	420
	07/10/17	0.674	90.6	39	0.58	7.22	45	427
	07/18/17	0.618	84.4	39	0.6	6.91	44	380
	11/07/17	0.515	73.6	42	0.64	7.12	46	423
	06/25/18	0.543	69.3	38.4	0.62	--	38.4	380
	09/18/18	0.624	72.1	33.3	0.479	6.64	36.4	416
	06/05/19	0.576	61.3	30.3	0.602	7.1	34.2	379
	10/03/19	0.534	63.4	23.9	0.588	6.82	33.2	342
	06/09/20	0.447	72.5	34.2	0.522	6.96	18.5	362
	10/06/20	0.480	84.0	40.4	0.677	6.72	14.5	390
	06/02/21	0.399	79.8	49.5	0.705	6.91	32.9	404
	09/28/21	0.385	77.3	61.7	0.496	7.02	31.3	426
	05/25/22	0.395	110	76.7	0.467	6.63	42.6	485
	09/20/22	0.376	91.4	60.7	0.429	6.91	43.5	451
	05/26/23	0.392	77.2	42	0.612	6.91	35.3	415
	05/26/23 DUP	0.418	82.5	45.9	0.481	6.91	38.5	433
	08/24/23	0.428	89.8	53.5	0.423	6.06	36.2	444
	08/24/23 DUP	0.417	84.2	53.6	0.433	6.06	35.6	439
	05/30/24	0.501	84.1	43.8	0.451	7.28	34.8	410
	09/25/24	0.421	77.2	45.5	0.471	7.34	34.1	423
MW-8	03/28/17	1.2	7.76	79	0.49	7.06	76	626
	05/09/17	1.21	77.5	77	0.44	7.15	79	564
	05/15/17	1.16	81.2	76	0.44	7.01	79	558
	06/06/17	1.26	78.1	72	0.45	6.92	83.5	570
	06/20/17	1.24	86.5	67	0.43	6.7	89	476
	06/27/17	1.23	89.6	66	0.44	6.85	97	533
	07/10/17	1.24	92.6	63	0.44	7.13	97	533
	07/18/17	1.25	92.9	61	0.46	6.91	100	533
	11/07/17	1.21	78.8	61	0.49	7.08	100	540
	06/25/18	1.25	80.3	65.9	0.52	--	95.2	565
	09/18/18	1.29	76.5	53.7	0.402	6.70	94.8	543
	06/05/19	1.11	65.2	51.4	0.497	7.10	79	515
	10/03/19	1.2	76.7	58.3	0.419	6.76	90.1	541
	06/09/20	1.33	73.1	46.4	0.392 J	7.04	72.3	511
	10/06/20	1.18	81.1	49.5	0.652	6.84	72.2	510
	06/25/21	0.863	80.1	53.2	0.673	6.81	58.8	489
	09/28/21	0.830	59.9	49.5	0.473	7.17	56.8	476
	05/26/22	0.761	73.3	50.7	0.524	6.98	48.1	473
	09/20/22	0.835	77.6	53.8	0.403	6.99	54.1	476
	05/25/23	0.79	77.5	48.8	0.439	7.12	48.3	480
	08/24/23	0.86	69.1	52.1	0.408	6.95	49.8	483
	05/30/24	0.837	69.8	49.4	0.573	6.95	50.7	463
	09/25/24	0.759	60.1	54.1	0.500	6.92	47.7	469

TABLE 3
APPENDIX III ANALYTICAL RESULTS
COLETO CREEK PRIMARY ASH POND

Sample Location	Date Sampled	B	Ca	Cl	F	field pH	SO_4	TDS
Downgradient Wells								
MW-4	03/28/17	0.287	9.14	102	0.61	9.81	157	794
	05/09/17	0.395	88.7	101	0.61	7.27	156	668
	05/17/17	0.251	92.1	101	0.6	6.93	157	702
	06/06/17	0.243	90.7	101	0.63	7.13	157	728
	06/20/17	0.254	99.3	101	0.62	6.71	157	626
	06/27/17	0.254	102	101	0.63	6.87	157	690
	07/10/17	0.271	111	101	0.62	7.16	158	670
	07/18/17	0.292	108	101	0.63	6.82	157	717
	11/07/17	0.255	94.5	99	0.62	7.12	155	700
	06/21/18	0.267	92.5	104	0.6	--	159	665
	09/18/18	0.28	91.8	102	0.582	6.63	155	720
	06/05/19	0.379	85.3	108	0.67	6.92	161	718
	10/03/19	0.367	93.1	102	0.559	6.7	155	693
	06/09/20	0.241	94.9	24.6	0.205 J	6.88	26.8	400
	10/06/20	0.328	103	101	0.736	6.75	151	731
	06/02/21	0.33	94.1	98.3	0.769	6.64	153	727
	09/28/21	0.288	88.3	98.7	0.647	6.94	164	714
	05/26/22	0.271	99.2	98.3	0.613	6.71	154	723
	09/19/22	0.317	101	107	0.502	7.26	161	728
	05/25/23	0.322	98	92	0.558	6.74	145	668
	08/24/23	0.332	99.9	99.5	0.547	6.91	136	691
	05/29/24	0.324	97.5	37.9	0.265 J	7.26	47.6	460
	09/25/24	0.315	86.0	44.2	0.348 J	7.24	52.6	473
MW-5	03/30/17	0.11	110	140	0.51	6.85	184	830
	05/10/17	0.115	114	139	0.54	6.86	183	900
	05/16/17	0.215	121	139	0.5	6.81	183	848
	06/08/17	0.122	118	139	0.55	6.8	182	862
	06/21/17	0.122	124	138	0.53	6.6	182	813
	06/26/17	0.121	129	139	0.54	6.79	184	900
	07/11/17	0.111	120	138	0.52	6.91	184	797
	07/19/17	0.001	0.005	137	0.53	6.84	181	857
	11/08/17	0.149	116	138	0.52	6.92	183	883
	06/25/18	0.119	114	140	0.56	--	183	820
	09/18/18	0.146	114	136	0.493	6.70	183	824
	06/03/19	0.146	113	143	0.596	7.06	187	864
	10/02/19	0.179	111	147	0.543	7.06	202	842
	06/09/20	0.152	117	138	0.370 J	6.84	182	858
	10/6/2020	0.160	125	133	0.662	6.91	178	841
	6/25/2021	0.181	120	135	0.661	6.91	173	813
	9/28/2021	0.150	103	127	0.559	7.15	190	831
	05/26/22	0.138	120	120	0.556	6.82	177	828
	09/20/22	0.157	117	128	0.433	6.91	184	842
	05/25/23	0.161	125	125	0.487	6.97	181	823
	08/23/23	0.178	118	129	0.511	6.51	175	834
	05/29/24	0.159	116	127	0.601	6.85	186	827
	09/24/24	0.152	101	121	0.58	6.74	167	809
MW-6	03/29/17	1.67	73.9	69	0.38	7.34	99	510
	05/11/17	1.94	70.6	70	0.37	7.1	110	490
	05/16/17	1.84	76.3	70	0.36	7.23	107	506
	06/07/17	1.8	73.8	70	0.37	6.97	103	492
	06/22/17	1.97	79.9	69	0.37	7.11	100	510
	06/28/17	1.74	81.8	69	0.37	7.16	99	570
	07/12/17	1.76	81.6	69	0.35	7.24	98	557
	07/20/17	0.005	0.0002	69	0.39	6.9	97	530
	11/07/17	1.72	76.4	69	0.39	7.41	101	483
	06/22/18	0.0171	76.6	70.7	0.41	--	107	490
	09/18/18	2.09	70.8	72.5	0.353 J	6.97	114	505
	06/03/19	1.9	73.9	73	0.438	7.31	103	514
	10/02/19	1.83	73.6	76.4	0.357 J	7.29	115	507
	06/09/20	2.51	69.7	80.9	0.4	6.95	122	507
	10/06/20	1.92	81.9	73.4	0.512	6.97	87.9	510
	06/25/21	1.75	79.1	72.7	0.542	7.02	89.2	503
	09/28/21	1.64	67.3	70.1	0.386 J	7.26	92.7	500
	05/26/22	2.12	71.9	64.0	0.416	7.28	109	472
	09/19/22	2.11	71.2	64.4	0.353 J	7.63	111	469
	09/21/22 DUP	1.21	70.3	118	0.874	7.63	136	777
	08/23/23	2.14	64.1	106	0.371	6.05	102	451
	05/30/24	2.24	63.4	48	0.589	7.42	109	464
	09/25/24	2.1	55.3	47.2	0.504	7.01	97.2	441

TABLE 3
APPENDIX III ANALYTICAL RESULTS
COLETO CREEK PRIMARY ASH POND

Sample Location	Date Sampled	B	Ca	Cl	F	field pH	SO_4	TDS
MW-9	03/30/17	3.38	54.5	71	1.13	7.35	62	406
	05/10/17	3.16	52.7	66	1.29	7.48	59	410
	05/17/17	3.18	53.3	67	1.26	7.34	58	440
	06/07/17	3.12	52	67	1.26	7.03	57	380
	06/21/17	3.44	60.7	66	1.39	7.09	60	393
	06/26/17	3.31	60.6	67	1.4	7.23	61	407
	07/11/17	3.35	52.1	64	1.3	7.51	60	927
	07/19/17	3.4	50.2	63	1.4	7.29	62	407
	11/08/17	2.84	49.4	62	1.56	7.54	50	397
	06/21/18	2.94	46.9	71.5	1.5	--	35.7	370
	09/18/18	2.79	51.7	71.4	1.1	6.99	49.1	394
	06/05/19	4.26	48	74.7	1.38	7.4	66.3	421
	10/03/19	3.97	71.3	70.9	1.41	7.37	63.6	462
	06/09/20	4.10	47.4	63.7	1.58	7.21	54.9	397
	10/06/20	3.78	50.1	49.6	1.73	7.47	51.7	366
	06/25/21	0.882	83.6	77.6	0.907	7.10	100	508
	09/28/21	1.23	74.3	62.9	0.629	7.21	79.0	507
	05/25/22	0.901	55.2	35.3	0.926	7.15	56.5	373
	05/25/22 DUP	0.858	56.6	35.3	0.922	7.15	56.3	367
	09/19/22	0.948	62.1	43.6	0.681	7.37	24.7	378
	05/25/23	1.2	68.7	45.3	0.664	7.15	40.4	425
	08/23/23	0.924	60.3	47.3	0.785	7.16	52.4	412
	05/29/24	1.45	57.6	48.4	0.860	6.92	77.3	417
	5/29/2024 DUP	1.51	57.5	48.4	0.863	6.92	77.4	435
	09/24/24	1.39	48.9	48.7	0.845	6.87	66	414
	9/24/2024 DUP	1.43	50.0	48.3	0.857	6.87	64.8	401
MW-10	03/30/17	3.74	92.1	151	0.54	6.99	130	804
	05/10/17	7.32	56.1	82	0.83	7.23	96	582
	05/16/17	7.45	62.7	81	0.81	7.28	95	612
	06/08/17	7.54	58.1	77	0.84	7.23	92	604
	06/21/17	9.22	60.7	77	0.84	6.97	92	550
	06/26/17	8.21	63.4	78	0.84	7.14	92	530
	07/11/17	7.99	49.5	76	0.84	7.4	88	617
	07/19/17	8.74	56.6	74	0.86	7.25	86	533
	11/08/17	8.72	77.7	74	0.88	7.35	81	590
	06/22/18	8.47	84.4	76.7	0.88	--	--	550
	09/18/18	8.45	51.9	81.4	0.759	6.98	95.1	577
	06/03/19	8.28	43.1	87.2	0.953	7.52	97.7	587
	10/02/19	8.28	44.2	85.5	0.891	7.46	104	575
	06/09/20	7.58	46.9	76.9	0.818	7.13	96.5	575
	10/06/20	6.94	49.0	73.7	1.05	7.35	92.3	575
	06/25/21	1.97	107	154	0.717	6.91	141	806
	09/28/21	7.48	32.9	54.2	0.96	7.49	76.8	507
	05/25/22	5.94	45.6	62.4	1.01	7.11	78.8	545
	09/20/22	5.54	53.2	72.2	0.828	7.33	88.6	560
	05/25/23	5.37	45.0	61.6	0.892	7.26	75.9	541
	08/23/23	5.41	40.9	41.5	0.658	7.3	49.8	376
	05/29/24	6.78	38.2	49.6	1.09	7.18	71.1	529
	09/24/24	6.8	35.5	57.6	0.952	7.15	74.9	522
MW-11	05/10/17	1.35	64.1	55	0.82	7.27	61	394
	06/07/17	1.23	59.8	48	0.93	7.25	50	372
	06/21/17	1.19	73.1	43.7	1.04	7.15	44	373
	06/26/17	1.15	82	44	1.00	7.3	43	407
	07/11/17	1.23	44.7	44	1.00	7.55	42	603
	07/19/17	1.17	48.6	43	1.01	7.21	42	360
	11/08/17	1.13	52.2	43	1.02	7.61	56	367
	06/21/18	1.07	69.6	44.3	0.96	--	61.4	355
	09/18/18	1.12	39.3	44.6	0.754	7.00	44.4	354
	06/03/19	1.27	43.4	42.2	0.837	7.55	44.8	372
	10/02/19	1.22	43.4	41.4	0.768	7.43	10.8	355
	06/09/20	1.20	56.6	44.4	0.571	6.88	67.7	414
	10/06/20	1.05	66.8	58.6	0.767	7.05	85.9	453
	06/25/21	0.925	59.1	74.6	0.876	7.09	55.9	400
	06/25/21 DUP	0.98	59.3	74.8	0.865	7.09	56.2	397
	05/25/22	0.845	57.1	34.6	0.699	7.13	54.5	371
	09/19/22	0.901	53.3	35.3	0.697	7.52	53.1	353
	05/25/23	0.807	58.9	45.6	0.542	7.26	29.3	375
	08/23/23	0.914	52.9	46.6	0.6	7.16	24.6	356
	05/29/24	0.914	55.9	46.8	0.596	7.32	51.2	374
	09/25/24	0.83	50.2	45.4	0.602	7.07	50.6	393

Notes:
1. All concentrations in mg/L. pH in standard units.
2. J - concentration is below sample quantitation limit; result is an estimate.

TABLE 4
APPENDIX IV ANALYTICAL RESULTS
COLETO CREEK PRIMARY ASH POND

Sample Location	Date Sampled	Sb	As	Ba	Be	Cd	Cr	Co	F	Pb	Li	Hg	Mo	Se	Tl	Ra 226	Ra 228	Ra 226/228 Combined
Upgradient Wells																		
BV-5	03/29/17	<0.0025	0.00856	0.04510	<0.001	<0.001	<0.005	0.0497	0.540	<0.001	0.0206	<0.0002	0.00925	<0.005	<0.0015	--	--	1.503
	05/11/17	<0.0025	0.00786	0.03680	<0.001	<0.001	<0.005	0.0462	0.570	<0.001	0.018	<0.0002	0.0101	<0.005	<0.0015	--	--	1.555
	05/16/17	<0.0025	0.00885	0.04520	<0.001	<0.001	<0.005	0.0495	0.550	0.00151	0.0171	<0.0002	0.0102	<0.005	<0.0015	--	--	0.7550
	06/07/17	<0.0025	0.00829	0.03760	<0.001	<0.001	<0.005	0.0483	0.560	<0.001	0.0207	<0.0002	0.01	<0.005	<0.0015	--	--	1.457
	06/20/17	<0.0025	0.00841	0.04010	<0.001	<0.001	<0.005	0.0499	0.580	<0.001	0.0208	<0.0002	0.0114	<0.005	<0.0015	--	--	0.4920
	06/27/17	<0.0025	0.0083	0.04120	<0.001	<0.001	<0.005	0.046	0.550	<0.001	0.0198	<0.0002	0.00942	<0.005	<0.0015	--	--	2.247
	07/12/17	<0.0025	0.00849	0.04160	<0.001	<0.001	<0.005	0.0484	0.560	<0.001	0.0188	<0.0002	0.0096	<0.005	<0.0015	--	--	2.139
	07/18/17	<0.0025	0.00951	0.05780	<0.001	<0.001	0.00739	0.0453	0.560	0.00288	0.022	<0.0002	0.0083	<0.005	<0.0015	--	--	1.260
	06/19/18	<0.0025	0.0106	0.0336	<0.001	<0.001	0.0022 J	0.0513 J	0.970	<0.00074 J	0.016	<0.0002	0.0139	<0.005	<0.0015	0.327	<1.680	2.01
	09/18/18	NA	0.00949	0.0436	NA	NA	0.00228 J	0.0487	0.667	0.00039 J	0.0206	NA	0.0102	NA	NA	0.302	<0.608	0.91
	06/05/19	<0.0008	0.0092	0.042	<0.0003	0.00092 J	<0.002	0.0466	0.769	0.00144	0.0201	<0.00008	0.0109	<0.0020	<0.0005	<0.687	<1.130	<1.82
	10/03/19	<0.0008	0.00941	0.0441	<0.0003	<0.0003	0.00285 J	0.0437	0.753	0.0039	0.0172	<0.00008	0.0122	<0.0020	<0.0005	0.928	1.35	2.28
	06/09/20	<0.0008	0.00879	0.0462	<0.0003	<0.0003	0.00818	0.0486	0.498	0.00162	0.0201	<0.0000800	0.0120	<0.00200	<0.000500	0.363	<1.26	0.363
	10/06/20	<0.000800	0.00982	0.0387	<0.000300	<0.000300	0.00226	0.0449	1.01	<0.000300	0.0174	<0.0000800	0.0105	<0.00200	<0.000500	0.293	0.709	1.00
	06/02/21	<0.000800	0.00882	0.053	<0.000300	<0.000300	0.00262 J	0.0437	0.699	0.000588 J	0.0239	<0.0000800	0.00768	<0.00200	<0.000500	0.325	<0.578	0.325
	09/28/21	<0.000800	0.00868	0.0365	<0.000300	<0.000300	<0.00200	0.0433	0.687	0.000415 J	0.0194	<0.0000800	0.0102	<0.00200	<0.000500	0.239 J	2.06	2.29
	05/26/22	<0.000800	0.0129	0.0339	<0.000300	<0.000300	0.00252 J	0.0389 J	1.10	0.000401 J	0.0126	<0.0000800	0.0136	<0.00200	<0.000500	0.146 J	0.789	0.935
	09/21/22	<0.000800	0.0134	0.0491	<0.000300	<0.000300	0.00417 J	0.0405	0.872	0.00155	0.0149	<0.0000800	0.0109	<0.00200	<0.000500	0.124 J	0.588	0.712
	9/19/22 DUP	<0.000800	0.0134	0.0457	<0.000300	<0.000300	0.00338	0.0397	0.874	0.00131	0.0151	<0.0000800	0.0109	<0.00200	<0.000500	0.323	0.468	0.791
	05/26/23	<0.000800	0.0115	0.0397	<0.000300	<0.000300	<0.00200	0.0404	0.993	0.000461 J	0.0177	<0.0000800	0.0123	<0.00200	<0.000500	0.394	0.932	1.33
	08/24/23	<0.000800	0.0127	0.0387	<0.000300	<0.000300	<0.00200	0.0443	0.958	0.000494 J	0.0138	<0.0000800	0.0111	<0.00200	<0.000500	0.656	0.389 J	1.04
	05/29/24	<0.000800	0.0113	0.0451	<0.000300	<0.000300	<0.00200	0.0368	1.06	0.000750 J	0.0151	<0.0000800	0.0139	<0.00200	<0.000500	0.316 J	<0.746	<0.0827
	5/29/24 DUP	<0.000800	0.022	0.1	<0.000300	<0.000300	<0.00200	<0.00300	0.863	0.000381 J	0.00668 J	<0.0000800	0.0299	<0.00200	<0.000500	0.298 J	1.08	1.38
	09/25/24	<0.000800	0.0120	0.056	<0.000300	<0.000300	0.00474 J	0.0558	1	0.002090	0.0165	<0.0000800	0.015	<0.00200	<0.000500	0.318	<1.52	0.721 J
BV-21	03/28/17	<0.0025	0.0954	0.09630	<0.001	<0.001	<0.005	0.0083	0.610	<0.001	<0.010	<0.0002	<0.005	<0.005	<0.0015	--	--	1.390
	05/09/17	<0.0025	0.108	0.09720	<0.001	<0.001	<0.005	0.00852	0.610	<0.001	<0.010	<0.0002	<0.005	<0.005	<0.0015	--	--	0.7460
	05/17/17	<0.0025	0.117	0.09440	<0.001	<0.001	<0.005	0.00878	0.580	<0.001	<0.010	<0.0002	<0.005	<0.005	<0.0015	--	--	0.9190
	06/06/17	<0.0025	0.118	0.09540	<0.001	<0.001	<0.005	0.00806	0.590	<0.001	<0.010	<0.0002	<0.005	<0.005	<0.0015	--	--	0.6710
	06/20/17	<0.0025	0.121	0.1010	<0.001	<0.001	<0.005	0.00744	0.610	<0.001	<0.010	<0.0002	<0.005	<0.005	<0.0015	--	--	1.672
	06/27/17	<0.0025	0.128	0.1040	<0.001	<0.001	<0.005	0.00841	0.600	<0.001	<0.010	<0.0002	<0.005	<0.005	<0.0015	--	--	0.5200
	07/10/17	<0.0025	0.123	0.1100	<0.001	<0.001	<0.005	0.0086	0.580	<0.001	<0.010	<0.0002	<0.005	<0.005	<0.0015	--	--	0.8050
	07/18/17	<0.0025	0.115	0.1010	<0.001	<0.001	<0.005	0.00784	0.600	<0.001	<0.010	<0.0002	<0.005	<0.005	<0.0015	--	--	4.812
	06/25/18	<0.0025	0.0697	0.104	<0.001	<0.001	<0.005	0.00682	0.620	<0.00074 J	0.00513 J	<0.0002	0.00428 J	<0.005	<0.0015	0.267	<1.417	1.68
	09/18/18	NA	0.0625	0.109	NA	NA	<0.002	0.0064	0.479	0.000555 J	0.00624 J	NA	0.00450 J	NA	NA	<0.31	<0.528	<0.838
	06/05/19	<0.0008	0.0531	0.105	<0.0003	<0.0003	<0.002	0.00574	0.602	0.000354	0.00558 J	<0.00008	0.00685	<0.0020	<0.0005	0.65	<0.687	1.337
	10/03/19	<0.0008	0.049	0.0963	<0.0003	<0.0003	<0.002	0.00542	0.588	0.000333 J	<0.005	<0.00008	0.00784	<0.0020	<0.0005	0.346	1.54	1.89
	06/09/20	<0.0008	0.0793	0.132	<0.0003	<0.0003	0.007	0.00437 J	0.522	0.00033 J	<0.005	<0.00008	0.00698	<0.0020	<0.0005	0.211	1.15	1.36
	10/06/20	<0.000800	0.0815	0.157	<0.000300	<0.000300	<0.00200	0.00411 J	0.677	<0.000300	0.00532 J	<0.0000800	0.00523	<0.00200	<0.000500	0.37	<1.38	0.37
	06/02/21	<0.000800	0.0663	0.176	<0.000300	<0.000300	<0.00200	0.00441 J	0.705	0.000336 J	0.00532 J	<0.0000800	0.00547	<0.00200	<0.000500	0.0424	0.392	0.434
	09/28/21	<0.000800	0.0603	0.186	<0.000300	<0.000300	<0.00200	0.00387 J	0.496	<0.000300	0.00539 J	<0.0000800	0.00481 J	<0.00200	<0.000500	1.02	1.81	2.83
	05/25/22	<0.000800	0.0716	0.248	<0.000300	<0.000300	<0.00200	0.00377 J	0.467	<0.000300	0.00634 J	<0.0000800	0.00432 J	<0.00200	<0.000500	0.580	1.47	2.04
	09/20/22	<0.000800	0.0701	0.212	<0.000300	<0.000300	<0.00200	0.00426 J	0.429	<0.000300	0.00539 J	<0.0000800	0.00551	<0.00200	<0.000500	0.163	0.911	1.07
	05/26/23	<0.000800	0.0675	0.179	<0.000300	<0.000300	<0.00200	0.00386 J	0.612	<0.000300	0.00527 J	<0.0000800	0.00534	<0.00200	<0.000500	0.872	1.1	1.97
	5/26/23 DUP	<0.000800	0.0759	0.201	<0.000300	<0.000300	<0.00200	0.00396 J	0.481	<0.000300	0.00551 J	<0.0000800	0.00546	<0.00200	<0.000500	1.17	1.37	2.54
	08/24/23	<0.000800	0.0871	0.206	<0.000300	<0.000300	<0.00200	0.00421 J	0.423	0.000392 J	<0.00500 J	<0.0000800	0.00524	<0.00200	<0.000500	0.799	0.969	1.77
	08/24/23 DUP	<0.000800	0.08	0.192	<0.000300	<0.000300	<0.00200	0.00431 J	0.433	0.000332 J	<0.00500	<0.0000800	0.00490 J	<0.00200	<0.000500	1.49	1.4	2.89
	05/30/24	<0.000800	0.0623	0.182	<0.000300	<0.000300	<0.00200	0.00659	0.451	0.000435 J	0.00566 J	<0.0000800	0.00565	<0.00200	<0.000500	0.252	1.21	1.46
	09/25/24	<0.000800	0.0848	0.206	<0.000300	<0.000300	<0.00200	0.00916	0.471	0.000594 J	<0.00500	<0.0000800	0.00617	<0.00200	<0.000500	0.376 J	1.21	1.59

TABLE 4
APPENDIX IV ANALYTICAL RESULTS
COLETO CREEK PRIMARY ASH POND

Sample Location	Date Sampled	Sb	As	Ba	Be	Cd	Cr	Co	F	Pb	Li	Hg	Mo	Se	Tl	Ra 226	Ra 228	Ra 226/228 Combined
MW-8	03/28/17	<0.0025	0.00839	0.0623	<0.001	<0.001	<0.005	0.0236	0.490	<0.001	0.0111	<0.0002	0.0154	<0.005	<0.0015	--	--	0.4520
	05/09/17	<0.0025	0.00848	0.064	<0.001	<0.001	<0.005	0.0272	0.440	<0.001	0.0111	<0.0002	0.0157	<0.005	<0.0015	--	--	0.4740
	05/15/17	<0.0025	0.00926	0.064	<0.001	<0.001	<0.005	0.0311	0.440	<0.001	0.0112	<0.0002	0.016	<0.005	<0.0015	--	--	0.6140
	06/06/17	<0.0025	0.00912	0.0616	<0.001	<0.001	0.00744	0.0308	0.450	<0.001	0.0107	<0.0002	0.0157	<0.005	<0.0015	--	--	0.1320
	06/20/17	<0.0025	0.00885	0.0669	<0.001	<0.001	<0.005	0.0297	0.430	<0.001	0.0121	<0.0002	0.0171	<0.005	<0.0015	--	--	0.5380
	06/27/17	<0.0025	0.00939	0.0633	<0.001	<0.001	<0.005	0.0314	0.440	<0.001	0.0115	<0.0002	0.0163	<0.005	<0.0015	--	--	0.9390
	07/10/17	<0.0025	0.00902	0.0631	<0.001	<0.001	<0.005	0.031	0.440	<0.001	0.0112	<0.0002	0.0165	<0.005	<0.0015	--	--	0.8040
	07/18/17	<0.0025	0.00937	0.0635	<0.001	<0.001	<0.005	0.0352	0.460	<0.001	0.0118	<0.0002	0.0185	<0.005	<0.0015	--	--	2.113
	06/25/18	<0.0025	0.0101	0.0632	<0.001	<0.001	<0.005	0.029	0.520	0.0011	0.0107	<0.0002	0.017	<0.005	<0.0015	<0.234	<1.204	<1.44
	09/18/18	NA	0.00896	0.0582	NA	NA	<0.00200	0.0237	0.402	<0.0003	0.0117	NA	0.0178	NA	NA	<0.281	<0.558	<0.84
	06/05/19	<0.0008	0.00946	0.0596	<0.0003	<0.0003	<0.002	0.0217	0.497	0.000355 J	0.011	<0.00008	0.0156	<0.0020	<0.0005	0.528	<0.619	1.147
	10/03/19	<0.0008	0.0083	0.0607	<0.0003	<0.0003	<0.002	0.231	0.419	<0.0003	0.0106	<0.00008	0.0144	<0.0020	<0.0005	0.224	0.241	0.465
	06/09/20	<0.0008	0.00856	0.0599	<0.0003	<0.0003	<0.002	0.0174	0.392 J	0.000479 J	0.0104	<0.00008	0.0158	<0.002	<0.0005	0.304	2.64	2.94
	10/06/20	<0.000800	0.00862	0.0647	<0.000300	<0.000300	<0.00200	0.0162	0.652	<0.000300	0.0107	<0.0000800	0.0148	<0.00200	<0.000500	1.08	1.65	2.73
	06/25/21	<0.000800	0.0104	0.0806	<0.000300	<0.000300	<0.00200	0.013	0.673	0.000761 J	0.0105	<0.0000800	0.0118	<0.00200	<0.000500	0.148	0.639	0.787
	09/28/21	<0.000800	0.00856	0.0690	<0.000300	<0.000300	<0.00200	0.0110	0.473	0.000697 J	0.0102	<0.0000800	0.0124	<0.00200	<0.000500	0.0886	1.23	1.32
	05/26/22	<0.000800	0.00916	0.0819	<0.000300	<0.000300	<0.00200	0.00757	0.524	0.000424 J	0.0101	<0.0000800	0.0128	<0.00200	<0.000500	0.179 J	0.889	1.07
	09/20/22	<0.000800	0.00981	0.0832	<0.000300	<0.000300	<0.00200	0.0106	0.403	<0.000300	0.0102	<0.0000800	0.0126	<0.00200	<0.000500	<0.276	0.789	0.887
	05/26/23	<0.000800	0.00944	0.0830	<0.000300	<0.000300	<0.00200	0.00629	0.439	<0.000300	0.0105	<0.0000800	0.0134	<0.00200	<0.000500	0.232 J	<0.518	0.563 J
	08/24/23	<0.000800	0.0094	0.0832	<0.000300	<0.000300	<0.00200	0.00896	0.408	0.000521 J	0.00915 J	<0.0000800	0.0139	<0.00200	<0.000500	2.23	0.959	3.19
	05/29/24	<0.000800	0.00952	0.0809	<0.000300	<0.000300	<0.00200	0.00505	0.573	0.000411 J	0.0101	<0.0000800	0.0133	<0.00200	<0.000500	0.275	0.411 J	0.686
	09/25/24	<0.000800	0.00966	0.0829	<0.000300	<0.000300	<0.00200	0.0124	0.500	<0.000300	0.00953 J	<0.0000800	0.0134	<0.00200	<0.000500	0.381 J	0.798	1.18
Downgradient Wells																		
MW-4	03/28/17	<0.0025	0.00738	0.0575	<0.001	<0.001	<0.005	0.007	0.610	<0.001	0.0192	<0.0002	<0.005	<0.005	<0.0015	--	--	0.4600
	05/09/17	<0.0025	0.00733	0.0576	<0.001	<0.001	<0.005	0.007	0.610	<0.001	0.0182	<0.0002	<0.005	<0.005	<0.0015	--	--	0.6940
	05/15/17	<0.0025	0.00794	0.0556	<0.001	<0.001	<0.005	0.007	0.600	<0.001	0.0166	<0.0002	<0.005	<0.005	<0.0015	--	--	1.451
	06/06/17	<0.0025	0.0077	0.0556	<0.001	<0.001	<0.005	0.007	0.630	<0.001	0.0179	<0.0002	<0.005	<0.005	<0.0015	--	--	0.1740
	06/20/17	<0.0025	0.0081	0.0596	<0.001	<0.001	0.00877	0.008	0.620	<0.001	0.0195	<0.0002	<0.005	<0.005	<0.0015	--	--	0.5430
	06/27/17	<0.0025	0.00786	0.0554	<0.001	<0.001	<0.005	0.007	0.630	<0.001	0.0185	<0.0002	<0.005	<0.005	<0.0015	--	--	0.6390
	07/10/17	<0.0025	0.00846	0.0582	<0.001	<0.001	<0.005	0.009	0.620	<0.001	0.0187	<0.0002	<0.005	<0.005	<0.0015	--	--	1.069
	07/18/17	<0.0025	0.00815	0.0549	<0.001	<0.001	<0.005	0.008	0.630	<0.001	0.0183	<0.0002	<0.005	<0.005	<0.0015	--	--	0.1910
	06/21/18	<0.0025	0.00843	0.0591	<0.001	<0.001	<0.005	0.00711	0.600	<0.00072 J	0.0175	<0.0002	<0.005	<0.005	<0.0015	0.370	1.705	2.08
	09/18/18	NA	0.00793	0.0577	NA	NA	<0.002	0.00673	0.582	<0.0003	0.019	NA	<0.002	NA	NA	1.610	<0.543	2.15
	06/05/19	<0.0008	0.0079	0.0571	<0.0003	<0.0003	<0.002	0.00729	0.670	<0.0003	0.0195	<0.00008	<0.002	<0.0020	<0.0005	0.436	<0.547	0.98
	10/03/19	<0.0008	0.00764	0.0532	<0.0003	<0.0003	<0.002	0.00699	0.559	0.00101	0.017	<0.00008	<0.002	<0.002	<0.0005	1.85	<0.739	1.85
	06/09/20	<0.0008	<0.002	0.0376	<0.0003	<0.0003	<0.002	<0.003	0.205 J	<0.0003	0.00751 J	<0.00008	0.0021 J	<0.002	<0.0005	0.0553	0.264	0.319
	10/06/20	<0.000800	0.00754	0.0586	<0.0003	<0.000300	<0.00200	0.00862	0.736	0.000375 J	0.0186	<0.0000800	<0.00200	<0.00200	<0.000500	0.0684	<1.23	0.0684
	06/02/21	<0.000800	0.00808	0.0582	<0.0003	<0.000300	<0.00200	0.00934	0.769	0.000418 J	0.0176	<0.0000800	<0.00200	<0.00200	<0.000500	0.298	0.726	1.02
	09/28/21	<0.000800	0.00856	0.0543	<0.0003	<0.000300	<0.00200	0.0104	0.647	0.00139	0.0181	<0.0000800	<0.00200	<0.00200	<0.000500	0.151 J	1.91	2.06
	05/26/22	<0.000800	0.00767	0.0570	<0.000300	<0.000300	<0.00200	0.00996	0.613	<0.000300	0.0180	<0.0000800	<0.002	<0.00200	<0.000500	0.0865 J	0.661	0.747
	09/19/22	<0.000800	0.00824	0.058	<0.000300	<0.000300	<0.00200	0.0107	0.502	<0.000300	0.0182	<0.0000800	<0.00200	<0.00200	<0.000500	<0.262	0.441 J	0.534 J
	05/26/23	<0.000800	0.00755	0.0554	<0.000300	<0.000300	0.00214 J	0.00904	0.558	0.000706J	0.0182	<0.0000800	<0.00200	<0.00200	<0.000500	<0.0864	0.947	1.03
	08/24/23	<0.000800	0.00867	0.057	<0.000300	<0.000300	0.00264 J	0.0104	0.547	0.00121	0.0161	0.000224	<0.00200	<0.00200	<0.000500	0.245 J	0.671	0.916
	05/29/24	0.000972 J	0.00338 J	0.0407	<0.000300	<0.000300	<0.00200	0.00618	0.265 J	0.00514	0.0103	<0.0000800	0.00421 J	<0.00200	<0.000500	<0.422	<0.522	<0.671
	09/25/24	0.000989 J	0.00347 J	0.0451	<0.000300	0.000311 J	<0.00200	0.00462 J	0.348 J	0.00946	0.0114	<0.0000800	0.00398 J	<0.00200	<0.000500	<0.355	1.22	1.31

TABLE 4
APPENDIX IV ANALYTICAL RESULTS
COLETO CREEK PRIMARY ASH POND

Sample Location	Date Sampled	Sb	As	Ba	Be	Cd	Cr	Co	F	Pb	Li	Hg	Mo	Se	Tl	Ra 226	Ra 228	Ra 226/228 Combined
MW-5	03/30/17	<0.0025	0.00953	0.0748	<0.001	<0.001	<0.005	<0.005	0.510	<0.001	0.0192	<0.0002	<0.005	<0.005	<0.0015	--	--	1.443
	05/10/17	<0.0025	0.00955	0.0706	<0.001	<0.001	<0.005	<0.005	0.540	<0.001	0.0179	<0.0002	<0.005	<0.005	<0.0015	--	--	0.6150
	05/16/17	<0.0025	0.00967	0.0708	<0.001	<0.001	<0.005	<0.005	0.500	<0.001	0.0181	<0.0002	<0.005	<0.005	<0.0015	--	--	0.6410
	06/08/17	<0.0025	0.00908	0.0701	<0.001	<0.001	<0.005	<0.005	0.550	<0.001	0.0200	<0.0002	<0.005	<0.005	<0.0015	--	--	0.1790
	06/21/17	<0.0025	0.00917	0.0767	<0.001	<0.001	<0.005	<0.005	0.530	<0.001	0.0197	<0.0002	<0.005	<0.005	<0.0015	--	--	0.1060
	06/26/17	<0.0025	0.00955	0.0735	<0.001	<0.001	<0.005	<0.005	0.540	<0.001	0.0204	<0.0002	<0.005	<0.005	<0.0015	--	--	1.112
	07/11/17	<0.0025	0.00945	0.0712	<0.001	<0.001	<0.005	<0.005	0.520	<0.001	0.0183	<0.0002	<0.005	<0.005	<0.0015	--	--	0.5120
	07/19/17	<0.0025	0.00941	0.0735	<0.001	<0.001	<0.005	<0.005	0.530	<0.001	0.0186	<0.0002	<0.005	<0.005	<0.0015	--	--	0.1910
	06/25/18	<0.0025	0.00998	0.0733	0.001	<0.001	<0.005	<0.005	0.560	<0.001	0.0182	<0.0002	<0.005	<0.005	<0.0015	<0.251	<1.369	<1.62
	09/18/18	NA	0.00945	0.0697	NA	NA	<0.002	<0.003	0.493	<0.0003	0.0195	NA	<0.002	NA	NA	<0.282	<0.606	<0.89
	06/03/19	<0.0008	0.00948	0.0678	0.0003	<0.0003	<0.002	<0.003	0.596	<0.0003	0.0206	<0.00008	<0.002	<0.002	<0.0005	<0.619	<0.917	<1.54
	10/02/19	<0.0008	0.00918	0.067	0.0003	<0.0003	<0.002	<0.003	0.543	<0.0003	0.0187	<0.00008	<0.002	<0.002	<0.0005	0.47	0.117	0.587
	06/09/20	<0.0008	0.00891	0.0689	<0.0003	<0.0003	<0.002	<0.003	0.370 J	<0.0003	0.0192	<0.00008	<0.002	<0.002	<0.0005	0.171	0.211	0.382
	10/06/20	<0.000800	0.00927	0.0708	<0.0003	<0.000300	<0.00200	<0.00300	0.662	<0.000300	0.0190	<0.0000800	<0.00200	<0.00200	<0.000500	0.0604	0.0798	0.14
	06/25/21	<0.000800	0.00918	0.0652	<0.0003	<0.000300	0.00913	<0.00300	0.661	<0.000300	0.0189	<0.0000800	<0.00200	<0.00200	<0.000500	0.0362	0.2	0.236
	09/28/21	<0.000800	0.00892	0.0639	<0.0003	<0.000300	<0.00200	<0.00300	0.559	<0.000300	0.0194	<0.0000800	<0.00200	<0.00200	<0.000500	0.311	1.74	2.05
	05/26/22	<0.000800	0.00961	0.069	<0.000300	<0.000300	<0.00200	<0.00300	0.566	<0.000300	0.0185	<0.0000800	<0.002	<0.00200	<0.000500	0.106 J	0.848	0.954
	09/20/22	<0.000800	0.00956	0.0675	<0.000300	<0.000300	<0.00200	<0.00300	0.433	<0.000300	0.0183	<0.0000800	<0.00200	<0.00200	<0.000500	0.119 J	0.554	0.663
	05/25/23	<0.000800	0.00953	0.0537	<0.000300	<0.000300	<0.00200	<0.00300	0.487	<0.000300	0.0192	<0.0000800	<0.00200	<0.00200	<0.000500	<0.152	<0.598	<1.12
	08/23/23	<0.000800	0.00994	0.0613	<0.000300	<0.000300	<0.00200	<0.00300	0.511	<0.000300	0.0178	<0.0000800	<0.00200	<0.00200	<0.000500	0.198 J	1.46	1.65
	05/29/24	<0.000800	0.00934	0.0545	<0.000300	<0.000300	<0.00200	<0.00300	0.601	<0.000300	0.0182	<0.0000800	<0.00200	<0.00200	<0.000500	0.165 J	<0.504	<0.899
	09/25/24	<0.000800	0.00960	0.0592	<0.000300	<0.000300	<0.00200	<0.00300	0.580	<0.000300	0.0174	<0.0000800	<0.00200	<0.00200	<0.000500	0.209 J	0.516	0.724
MW-6	03/29/17	<0.0025	0.00827	0.0900	<0.001	<0.001	<0.005	<0.005	0.380	<0.001	<0.010	<0.0002	0.00749	<0.005	<0.0015	--	--	1.009
	05/11/17	<0.0025	0.00738	0.0758	<0.001	<0.001	<0.005	<0.005	0.370	<0.001	0.0101	<0.0002	0.0176	<0.005	<0.0015	--	--	0.8250
	05/16/17	<0.0025	0.00803	0.0784	<0.001	<0.001	<0.005	<0.005	0.360	<0.001	<0.010	<0.0002	0.0131	<0.005	<0.0015	--	--	0.7740
	06/07/17	<0.0025	0.00772	0.0798	<0.001	<0.001	<0.005	<0.005	0.370	<0.001	<0.010	<0.0002	0.00949	<0.005	<0.0015	--	--	0.6640
	06/22/17	<0.0025	0.00764	0.083	<0.001	<0.001	<0.005	<0.005	0.370	<0.001	0.0109	<0.0002	0.0084	<0.005	<0.0015	--	--	0.2150
	06/28/17	<0.0025	0.00779	0.0842	<0.001	<0.001	<0.005	<0.005	0.370	<0.001	<0.010	<0.0002	0.00806	<0.005	<0.0015	--	--	1.730
	07/12/17	<0.0025	0.0077	0.0819	<0.001	<0.001	<0.005	<0.005	0.350	<0.001	<0.010	<0.0002	0.0076	<0.005	<0.0015	--	--	1.012
	07/20/17	<0.0025	0.001	0.0010	<0.001	<0.001	<0.005	<0.005	0.390	<0.001	<0.010	<0.0002	0.001	<0.005	<0.0015	--	--	0.3660
	06/22/18	<0.0025	0.00861	0.0912	<0.001	<0.001	<0.005	<0.005	0.410	<0.001	0.00924 J	<0.0002	0.00837	<0.005	<0.0015	<0.309	<1.243	<1.55
	09/18/18	NA	0.008	0.0828	NA	NA	<0.002	<0.003	0.353 J	0.000349 J	0.0107	NA	0.0274	NA	NA	<0.196	1.06	1.256
	06/03/19	<0.0008	0.00799	0.0894	<0.0003	<0.0003	<0.002	<0.003	0.438	<0.0003	0.00968 J	<0.00008	0.00884	<0.0020	<0.0005	<0.407	<0.623	<1.03
	10/02/19	<0.0008	0.00775	0.0876	<0.0003	<0.0003	<0.002	<0.003	0.36 J	<0.0003	0.00875 J	<0.00008	0.00875	<0.0020	<0.0005	0.715	1.23	1.94
	06/09/20	<0.0008	0.00799	0.078	<0.0003	<0.0003	<0.002	<0.003	0.4	<0.0003	0.0113	<0.00008	0.0357	<0.002	<0.0005	0.00643	0.127	0.134
	10/06/20	<0.000800	0.00768	0.0912	<0.0003	<0.000300	<0.00200	0.00319 J	0.512	<0.000300	0.00900 J	<0.0000800	0.00924	<0.00200	<0.000500	1.02	0.621	1.64
	06/25/21	<0.000800	0.00778	0.086	<0.0003	<0.000300	<0.00200	<0.00300	0.542	<0.000300	0.0101	<0.0000800	0.00823	<0.00200	<0.000500	0.206	1.03	1.24
	09/28/21	<0.000800	0.00793	0.0896	<0.0003	<0.000300	<0.00200	<0.00300	0.386 J	<0.000300	0.00911 J	<0.0000800	0.00801	<0.00200	<0.000500	0.334	1.6	1.94
	05/26/22	<0.000800	0.00853	0.0709	<0.000300	<0.000300	<0.00200	<0.00300	0.416	<0.000300	0.0113	<0.0000800	0.0360	<0.00200	<0.000500	0.163 J	0.661	0.774
	09/19/22	<0.000800	0.00882	0.0658	<0.000300	<0.000300	<0.00200	<0.00300	0.353 J	<0.000300	0.0117	<0.0000800	0.0375	<0.00200	<0.000500	0.176 J	<0.0833	0.259 J
	07/06/23	<0.000800	0.00902	0.0739	<0.000300	<0.000300	<0.00200	<0.00300	0.257 J	<0.000300	0.0127	<0.0000800	0.0343	<0.00200	<0.000500	4.7	0.327 J	5.02
	08/24/23	<0.000800	0.00882	0.0705	<0.000300	<0.000300	<0.00200	<0.00300	0.371 J	<0.000300	0.0103	<0.0000800	0.0365	<0.00200	<0.000500	0.16 J	2.06	2.22
	05/29/24	<0.000800	0.00919	0.0670	<0.000300	<0.000300	<0.00200	<0.00300	0.589	<0.000300	0.0115	<0.0000800	0.0376	<0.00200	<0.000500	0.186 J	<0.639	<0.789
	09/25/24	<0.000800	0.0088	0.0639	<0.000300	<0.000300	<0.00200	<0.00300	0.504	<0.000300	0.0116	<0.0000800	0.0369	<0.00200	<0.000500	0.262 J	<0.821	<0.914

TABLE 4
APPENDIX IV ANALYTICAL RESULTS
COLETO CREEK PRIMARY ASH POND

Sample Location	Date Sampled	Sb	As	Ba	Be	Cd	Cr	Co	F	Pb	Li	Hg	Mo	Se	Tl	Ra 226	Ra 228	Ra 226/228 Combined
MW-9	03/30/17	<0.0025	0.00909	0.121	<0.001	<0.001	<0.005	<0.005	1.130	0.00217	<0.010	<0.0002	0.0747	<0.005	<0.0015	--	--	1.353
	05/10/17	<0.0025	0.00996	0.105	<0.001	<0.001	<0.005	<0.005	1.290	0.00433	<0.010	<0.0002	0.0900	<0.005	<0.0015	--	--	0.4800
	05/17/17	<0.0025	0.00958	0.101	<0.001	<0.001	<0.005	<0.005	1.260	0.00377	<0.010	<0.0002	0.0899	<0.005	<0.0015	--	--	0.3600
	06/07/17	<0.0025	0.0093	0.100	<0.001	<0.001	<0.005	<0.005	1.260	<0.001000	<0.010	<0.0002	0.0926	<0.005	<0.0015	--	--	0.4760
	06/21/17	<0.0025	0.00937	0.119	<0.001	<0.001	<0.005	<0.005	1.390	0.00136	<0.010	<0.0002	0.1020	<0.005	<0.0015	--	--	1.579
	06/26/17	<0.0025	0.0107	0.114	<0.001	<0.001	0.0102	<0.005	1.400	0.00217	<0.010	<0.0002	0.1060	<0.005	<0.0015	--	--	1.023
	07/11/17	<0.0025	0.0105	0.103	<0.001	<0.001	0.00566	<0.005	1.300	0.00124	<0.010	<0.0002	0.1050	<0.005	<0.0015	--	--	0.8630
	07/19/17	<0.0025	0.0103	0.101	<0.001	<0.001	<0.005	<0.005	1.400	<0.001000	<0.010	<0.0002	0.1130	<0.005	<0.0015	--	--	0.5840
	06/21/18	<0.0025	0.0104	0.100	<0.001	<0.001	<0.005	<0.005	1.500	<0.00072 J	<0.01	<0.0002	0.0617	<0.005	<0.0015	0.608	<1.303	1.91
	09/18/18	NA	0.0103	0.0985	NA	NA	<0.002	<0.003	1.100	<0.000300	0.00639 J	NA	0.0502	NA	NA	0.618	<0.638	1.26
	06/05/19	<0.0008	0.0109	0.102	<0.0003	<0.0003	<0.002	<0.003	1.380	<0.0003	0.00545 J	<0.00008	0.0683	<0.002	<0.0005	<0.402	<0.683	<1.085
	10/03/19	<0.0008	0.0109	0.128	0.00069 J	<0.0003	<0.002	0.00337 J	1.410	0.00876	0.0064 J	<0.00008	0.0507	0.00408 J	<0.0005	0.577	0.747	1.32
	06/09/20	<0.0008	0.0126	0.0865	<0.0003	<0.0003	<0.002	<0.003	1.58	0.000577 J	<0.005	<0.00008	0.0774	<0.002	<0.0005	0.132	<0.96	0.132
	10/06/20	<0.000800	0.0225	0.0786	<0.0003	<0.000300	<0.00200	<0.00300	1.73	<0.000300	<0.00500	<0.0000800	0.0616	<0.00200	<0.000500	0.14	1.51	1.65
	06/25/21	<0.000800	0.0151	0.163	<0.0003	<0.000300	<0.00200	<0.00300	0.907	0.000408 J	0.0103	<0.0000800	0.0199	<0.00200	<0.000500	0.38	0.665	1.04
	09/28/21	<0.000800	0.0197	0.163	<0.0003	<0.000300	<0.00200	<0.00300	0.629	<0.000300	0.00865 J	<0.0000800	0.0158	<0.00200	<0.000500	0.278	1.75	2.03
	05/25/22	<0.000800	0.0225	0.105	<0.000300	<0.000300	<0.00200	<0.00300	0.926	<0.000300	0.00750 J	<0.0000800	0.0351	<0.00200	<0.000500	0.0612 U	1.00	1.07
	09/19/22	<0.000800	0.035	0.126	<0.000300	<0.000300	<0.00200	<0.00300	0.681	<0.000300	0.00914 J	<0.0000800	0.0197	<0.00200	<0.000500	0.150 J	<0.524	<0.548
	05/25/23	<0.000800	0.0177	0.133	<0.000300	<0.000300	<0.00200	<0.00300	0.664	<0.000300	0.00813 J	<0.0000800	0.0242	<0.00200	<0.000500	<0.163	0.341 J	0.415 J
	08/23/23	<0.000800	0.0163	0.127	<0.000300	<0.000300	<0.00200	<0.00300	0.785	0.000317 J	0.00694 J	<0.0000800	0.0356	<0.00200	<0.000500	0.637	2.06	2.7
	05/29/24	<0.000800	0.0218	0.101	<0.000300	<0.000300	<0.00200	<0.00300	0.86	0.000385 J	0.00673 J	<0.0000800	0.0304	<0.00200	<0.000500	0.587	0.69 J	1.28
	09/24/24	<0.000800	0.0195	0.113	<0.000300	<0.000300	0.00289 J	0.00565	0.845	0.000936 J	0.00613 J	<0.0000800	0.0394	<0.00200	<0.000500	0.756	1.41	2.17
	9/24/24 DUP	<0.000800	0.0196	0.115	<0.000300	<0.000300	0.00220 J	0.00582	0.857	0.00100	0.00613 J	<0.0000800	0.0383	<0.00200	<0.000500	0.265 J	0.61	0.875
MW-10	03/30/17	<0.0025	0.0110	0.0844	<0.001	<0.001	<0.005	<0.005	0.540	<0.001	0.0179	<0.0002	0.0342	<0.005	<0.0015	--	--	1.439
	05/10/17	<0.0025	0.0146	0.0554	<0.001	<0.001	0.00533	<0.005	0.830	<0.001	0.0122	<0.0002	0.102	<0.005	<0.0015	--	--	0.8880
	05/16/17	<0.0025	0.0150	0.0598	<0.001	<0.001	<0.005	<0.005	0.810	<0.001	0.0123	<0.0002	0.0987	<0.005	<0.0015	--	--	0.1830
	06/08/17	<0.0025	0.0144	0.0544	<0.001	<0.001	<0.005	<0.005	0.840	<0.001	0.0115	<0.0002	0.106	<0.005	<0.0015	--	--	0.06700
	06/21/17	<0.0025	0.0149	0.054	<0.001	<0.001	<0.005	<0.005	0.840	<0.001	0.0133	<0.0002	0.113	<0.005	<0.0015	--	--	0.7090
	06/26/17	<0.0025	0.0160	0.0587	<0.001	<0.001	0.0177	<0.005	0.840	<0.001	0.0137	<0.0002	0.116	<0.005	<0.0015	--	--	0.7180
	07/11/17	<0.0025	0.0149	0.0508	<0.001	<0.001	<0.005	<0.005	0.840	<0.001	0.0119	<0.0002	0.114	<0.005	<0.0015	--	--	1.713
	07/19/17	<0.0025	0.0146	0.0633	<0.001	<0.001	0.00963	<0.005	0.860	<0.001	0.0127	<0.0002	0.121	<0.005	<0.0015	--	--	2.132
	06/22/18	<0.0025	0.0154	0.0692	<0.001	<0.001	<0.005	<0.005	0.88	<0.00095 J	0.0122	<0.0002	0.134	<0.005	<0.0015	<0.212	<1.192	<1.40
	09/18/18	NA	0.0140	0.0446	NA	NA	<0.002	<0.003	0.759	<0.0003	0.0141	NA	0.125	NA	NA	0.151	<0.848	0.999
	06/03/19	<0.0008	0.0142	0.0420	<0.0003	<0.0003	<0.002	<0.003	0.953	<0.0003	0.0139	<0.00008	0.109	<0.002	<0.0005	<0.203	0.814	1.017
	10/02/19	<0.0008	0.0139	0.0406	<0.0003	<0.0003	<0.002	<0.003	0.891	<0.0003	0.0127	<0.00008	0.106	<0.002	<0.0005	<0.325	0.901	0.901
	06/09/20	<0.0008	0.014	0.0444	<0.0003	<0.0003	<0.002	0.00334 J	0.818	<0.0003	0.013	<0.00008	0.088	<0.002	<0.0005	0.0959	1.22	1.31
	10/06/20	<0.000800	0.0139	0.0411	<0.0003	<0.000300	<0.00200	0.00390 J	1.05	<0.000300	0.0127	<0.0000800	0.0865	<0.00200	<0.000500	0.0332	1.68	1.71
	06/25/21	<0.000800	0.00942	0.0792	<0.0003	<0.000300	<0.00200	<0.00300	0.717	<0.000300	0.018	<0.0000800	0.0181	<0.00200	<0.000500	0.179	1.13	1.3
	09/28/21	<0.000800	0.0143	0.0477	<0.0003	<0.000300	<0.00200	0.00607	0.96	<0.000300	0.0109	<0.0000800	0.108	<0.00200	<0.000500	0.182	0.472	0.654
	05/25/22	<0.000800	0.0146	0.0488	<0.000300	<0.000300	<0.00200	0.00492 J	1.01	<0.000300	0.0121	<0.0000800	0.0902	<0.00200	<0.000500	0.159 J	0.234 J	0.393 J
	09/20/22	<0.000800	0.0144	0.0556	<0.000300	<0.000300	<0.00200	0.00396 J	0.828	<0.000300	0.0125	<0.0000800	0.079	<0.00200	<0.000500	0.178 J	0.526	0.703
	05/25/23	<0.000800	0.0155	0.0519	<0.000300	<0.000300	<0.00200	0.00569	0.892	<0.000300	0.0124	<0.0000800	0.0791	<0.00200	<0.000500	0.935	<0.268	0.935
	08/23/23	<0.000800	0.0152	0.0496	<0.000300	<0.000300	<0.00200	0.00574	0.658	<0.000300	0.011	<0.0000800	0.0834	<0.00200	<0.000500	<0.340	1.16	1.25
	05/29/24	<0.000800	0.0149	0.0654	<0.000300	<0.000300	<0.00200	0.0105	1.09	<0.000300	0.0111	<0.0000800	0.0852	<0.00200	<0.000500	0.672	1.18	1.85
	09/24/24	<0.000800	0.0143	0.0576	<0.000300	<0.000300	<0.00200	0.00948	0.952	<0.000300	0.0103	<0.0000800	0.0896	<0.00200	<0.000500	0.408 J	1.62	2.02

TABLE 4
APPENDIX IV ANALYTICAL RESULTS
COLETO CREEK PRIMARY ASH POND

Sample Location	Date Sampled	Sb	As	Ba	Be	Cd	Cr	Co	F	Pb	Li	Hg	Mo	Se	Tl	Ra 226	Ra 228	Ra 226/228 Combined
MW-11	05/10/17	<0.0025	0.0156	0.0899	<0.001	<0.001	<0.005	<0.005	0.82	0.00239	0.0125	<0.0002	0.0082	<0.005	<0.0015	--	--	0.4560
	05/16/17	<0.0025	0.018	0.0869	<0.001	<0.001	0.00731	<0.005	0.85	0.0113	0.0144	<0.0002	0.00841	<0.005	<0.0015	--	--	1.418
	05/18/17	<0.0025	0.0188	0.0779	<0.001	<0.001	<0.005	<0.005	0.94	0.00204	0.0122	<0.0002	0.00781	<0.005	<0.0015	--	--	0.6390
	06/07/17	<0.0025	0.0175	0.0835	<0.001	<0.001	<0.005	<0.005	0.93	0.00171	0.0137	<0.0002	0.00744	<0.005	<0.0015	--	--	0.5020
	06/21/17	<0.0025	0.0203	0.0822	<0.001	<0.001	<0.005	<0.005	1.04	0.00322	0.0136	<0.0002	0.00659	<0.005	<0.0015	--	--	1.084
	06/26/17	<0.0025	0.0237	0.0954	<0.001	<0.001	0.0131	<0.005	1.00	0.00593	0.0176	<0.0002	0.00796	<0.005	<0.0015	--	--	3.067
	07/11/17	<0.0025	0.0212	0.0725	<0.001	<0.001	<0.005	<0.005	1.00	<0.001	0.012	<0.0002	0.00765	<0.005	<0.0015	--	--	0.7530
	07/19/17	<0.0025	0.0224	0.0709	<0.001	<0.001	0.00762	<0.005	1.01	0.0018	0.0137	<0.0002	0.00783	<0.005	<0.0015	--	--	1.551
	06/21/18	<0.0025	0.0367	0.0805	<0.001	<0.001	<0.005	<0.005	0.96	0.00241	0.0135	<0.0002	0.00465	<0.005	<0.0015	<0.234	<1.312	<1.55
	09/18/18	NA	0.0382	0.0645	NA	NA	<0.002	<0.003	0.754	<0.0003	0.0139	NA	0.00445 J	NA	NA	<0.188	0.597	0.785
	06/03/19	<0.000800	0.0379	0.0834	<0.0003	<0.0003	<0.002	<0.003	0.837	<0.0003	0.0154	<0.00008	0.00316 J	<0.002	<0.0005	<0.481	0.991	1.472
	10/02/19	<0.000800	0.0379	0.0744	<0.0003	<0.0003	<0.002	<0.003	0.768	0.000391 J	0.014	<0.00008	0.00259 J	<0.002	<0.0005	1.57	0.478	2.040
	06/09/20	<0.000800	0.0293	0.0948	<0.0003	<0.0003	<0.002	<0.003	0.571	0.000675 J	0.0156	<0.00008	0.00215 J	<0.002	<0.0005	0.163	1.31	1.480
	10/06/20	<0.000800	0.0159	0.105	<0.0003	<0.000300	<0.00200	<0.00300	0.767	0.000320 J	0.0165	<0.0000800	0.00340 J	<0.00200	<0.000500	0.354	0.53	0.884
	06/25/21	<0.000800	0.0136	0.09	<0.0003	<0.000300	<0.00200	<0.00300	0.876	<0.000300	0.0162	<0.0000800	0.019	<0.00200	<0.000500	0.237	0.824	1.060
	6/25/21 DUP	<0.000800	0.0134	0.0905	<0.0003	<0.000300	<0.00200	<0.00300	0.865	<0.000300	0.148	<0.0000800	0.0194	<0.00200	<0.000500	0.173 J	1.64	1.81
	09/28/21	<0.000800	0.0137	0.101	<0.0003	<0.000300	<0.00200	<0.00300	0.742	0.000475 J	0.0161	<0.0000800	0.0189	<0.00200	<0.000500	0.0336	2.74	2.77
	9/28/21 DUP	<0.000800	0.0586	0.181	<0.0003	<0.000300	<0.00200	0.00362 J	0.498	<0.0003	0.00656	<0.0000800	0.00467	<0.00200	<0.000500	0.426	1.28	1.71
	05/25/22	<0.000800	0.0193	0.0854	<0.000300	<0.000300	<0.00200	<0.00300	0.699	0.000301 J	0.0137	<0.0000800	0.0170	<0.00200	<0.000500	0.193	0.876	1.07
	09/19/22	<0.000800	0.0158	0.0794	<0.000300	<0.000300	<0.00200	<0.00300	0.697	<0.000300	0.013	<0.0000800	0.0231	<0.00200	<0.000500	0.0814 J	0.296 J	0.377 J
	05/25/23	<0.000800	0.0213	0.0922	<0.000300	<0.000300	<0.00200	<0.00300	0.542	<0.000300	0.0142	<0.0000800	0.0133	<0.00200	<0.000500	<0.180	0.903 J	0.937 J
	08/23/23	<0.000800	0.0171	0.0919	<0.000300	<0.000300	<0.00200	<0.00300	0.6	0.000441 J	0.0123	<0.0000800	0.013	<0.00200	<0.000500	0.318 J	1.9	2.22
	05/29/24	<0.000800	0.0201	0.101	<0.000300	<0.000300	<0.00200	<0.00300	0.596	0.000495 J	0.0138	<0.0000800	0.0116	<0.00200	<0.000500	0.227 J	1.19	1.41
	09/25/24	<0.000800	0.0239	0.105	<0.000300	<0.000300	<0.00200	<0.00300	0.602	0.000487 J	0.0137	<0.0000800	0.0113	<0.00200	<0.000500	<0.513	1.18	1.31

Notes:
1. All concentrations in mg/L except Ra 226/228 Combined, which is in pCi/L.
2. J - concentration is below sample quantitation limit; result is an estimate; < - non-detect result (concentration below sample detection limit).
3. NA = Not analyzed.

TABLE 5
GROUNDWATER ELEVATION SUMMARY
PRIMARY ASH POND AREA
COLETO CREEK STEAM ELECTRIC STATION

Well ID	TOC Elevation (feet amsl)	Casing Stickup (feet ags)	Screen Interval (feet bgs)	Measurement Date	Depth to Water (feet btoc)	Depth to Water (feet bgs)	Water Elevation (feet amsl)
Upgradient Wells							
BV-5	135.8	2.80	30-40	3/29/2017	29.35	26.55	106.45
				5/11/2017	29.11	26.31	106.69
				5/16/2017	29.10	26.30	106.70
				6/7/2017	29.92	27.12	105.88
				6/20/2017	29.18	26.38	106.62
				6/27/2017	29.25	26.45	106.55
				7/12/2017	29.32	26.52	106.48
				7/18/2017	29.41	26.61	106.39
				09/18/18	30.33	27.53	105.47
				06/03/19	28.11	25.31	107.69
				10/02/19	29.29	26.49	106.51
				06/09/20	30.01	27.21	105.79
				10/06/20	30.55	27.75	105.25
				06/02/21	30.12	27.32	105.68
				06/28/21	29.30	26.50	106.50
				05/25/22	30.21	27.41	105.59
				09/21/22	31.18	28.38	104.62
				05/26/23	31.55	28.75	104.25
				08/23/23	32.21	29.41	103.59
				05/28/24	32.91	30.11	102.89
				09/24/24	33.03	30.23	102.77
BV-21	131.17	2.77	30-40	3/28/2017	19.25	16.48	111.92
				5/9/2017	18.54	15.77	112.63
				5/17/2017	18.52	15.75	112.65
				6/6/2017	18.44	15.67	112.73
				6/20/2017	18.76	15.99	112.41
				6/27/2017	18.71	15.94	112.46
				7/10/2017	18.86	16.09	112.31
				7/18/2017	18.90	16.13	112.27
				09/18/18	19.56	16.79	111.61
				06/03/19	17.85	15.08	113.32
				10/02/19	19.71	16.94	111.46
				06/09/20	19.67	16.90	111.50
				10/06/20	19.75	16.98	111.42
				06/02/21	19.67	16.90	111.50
				09/28/21	19.25	16.48	111.92
				05/25/22	23.08	20.31	108.09
				09/20/22	23.51	20.74	107.66
				05/26/23	25.00	22.23	106.17
				08/23/23	25.71	22.94	105.46
				05/28/24	26.61	23.84	104.56
				09/24/24	26.49	23.72	104.68
MW-8	134.72	2.94	37-57	3/28/2017	22.60	19.66	112.12
				5/9/2017	21.29	18.35	113.43
				5/15/2017	21.30	18.36	113.42
				6/6/2017	21.25	18.31	113.47
				6/20/2017	22.08	19.14	112.64
				6/27/2017	22.12	19.18	112.60
				7/10/2017	22.50	19.56	112.22
				7/18/2017	22.67	19.73	112.05
				09/18/18	20.76	17.82	113.96
				06/03/19	19.70	16.76	115.02
				10/02/19	23.13	20.19	111.59
				06/09/20	19.85	16.91	114.87
				10/06/20	21.30	18.36	113.42
				06/02/21	18.01	15.07	116.71
				09/28/21	18.60	15.66	116.12
				05/25/22	26.20	23.26	108.52
				09/20/22	25.81	22.87	108.91
				05/26/23	27.13	24.19	107.59
				08/23/23	27.90	24.96	106.82
				05/28/24	29.08	26.14	105.64
				09/24/24	28.96	26.02	105.76

TABLE 5
GROUNDWATER ELEVATION SUMMARY
PRIMARY ASH POND AREA
COLETO CREEK STEAM ELECTRIC STATION

Well ID	TOC Elevation (feet amsl)	Casing Stickup (feet ags)	Screen Interval (feet bgs)	Measurement Date	Depth to Water (feet btoc)	Depth to Water (feet bgs)	Water Elevation (feet amsl)
Downgradient Wells							
MW-4	137.71	3.41	50-70	3/28/2017	29.25	25.84	108.46
				5/9/2017	28.94	25.53	108.77
				5/15/2017	28.93	25.52	108.78
				6/6/2017	28.83	25.42	108.88
				6/20/2017	28.94	25.53	108.77
				6/22/2017	29.02	25.61	108.69
				7/10/2017	29.11	25.70	108.60
				7/18/2017	29.15	25.74	108.56
				09/18/18	30.54	27.13	107.17
				06/03/19	27.92	24.51	109.79
				10/02/19	29.89	26.48	107.82
				06/09/20	29.86	26.45	107.85
				10/06/20	30.65	27.24	107.06
				06/02/21	29.74	26.33	107.97
				09/28/21	28.60	25.19	109.11
				05/25/22	31.13	27.72	106.58
				09/19/22	30.90	27.49	106.81
				05/26/23	32.18	28.77	105.53
				08/23/23	32.56	29.15	105.15
				05/28/24	33.37	29.96	104.34
				09/24/24	33.04	29.63	104.67
MW-5	122.31	2.74	39-59	3/30/2017	20.94	18.20	101.37
				5/10/2017	20.30	17.56	102.01
				5/16/2017	20.37	17.63	101.94
				6/8/2017	20.61	17.87	101.70
				6/21/2017	20.87	18.13	101.44
				6/26/2017	21.00	18.26	101.31
				7/11/2017	21.21	18.47	101.10
				09/18/18	22.21	19.47	100.10
				06/03/19	20.42	17.68	101.89
				10/02/19	22.12	19.38	100.19
				06/09/20	22.08	19.34	100.23
				10/06/20	23.90	21.16	98.41
				06/02/21	19.53	16.79	102.78
				09/28/21	19.65	16.91	102.66
				05/25/22	21.32	18.58	100.99
				09/20/22	20.20	17.46	102.11
				05/26/23	20.53	17.79	101.78
				08/23/23	21.69	18.95	100.62
				05/28/24	21.07	18.33	101.24
				09/24/24	21.31	18.57	101.00
MW-6	119.22	2.87	41-61	3/29/2017	15.76	12.89	103.46
				5/11/2017	15.70	12.83	103.52
				5/16/2017	15.68	12.81	103.54
				6/7/2017	15.92	13.05	103.30
				6/22/2017	16.34	13.47	102.88
				6/28/2017	16.33	13.46	102.89
				7/12/2017	16.76	13.89	102.46
				7/20/2017	16.92	14.05	102.30
				09/18/18	16.76	13.89	102.46
				06/03/19	15.66	12.79	103.56
				10/02/19	17.62	14.75	101.60
				10/06/20	17.90	15.03	101.32
				06/02/21	14.96	12.09	104.26
				09/28/21	14.76	11.89	104.46
				05/28/22	16.38	13.51	102.84
				09/19/22	14.98	12.11	104.24
				05/26/23	15.99	13.12	103.23
				08/23/23	17.06	14.19	102.16
				05/28/24	17.46	14.59	101.76
				09/24/24	16.52	13.65	102.70

TABLE 5
GROUNDWATER ELEVATION SUMMARY
PRIMARY ASH POND AREA
COLETO CREEK STEAM ELECTRIC STATION

Well ID	TOC Elevation (feet amsl)	Casing Stickup (feet ags)	Screen Interval (feet bgs)	Measurement Date	Depth to Water (feet btoc)	Depth to Water (feet bgs)	Water Elevation (feet amsl)
MW-9	132.30	3.00	40-60	3/30/2017	28.31	25.31	103.99
				5/10/2017	27.75	24.75	104.55
				5/17/2017	29.87	26.87	102.43
				6/7/2017	28.20	25.20	104.10
				6/21/2017	28.65	25.65	103.65
				6/26/2017	28.83	25.83	103.47
				7/11/2017	29.12	26.12	103.18
				7/19/2017	29.48	26.48	102.82
				09/18/18	30.13	27.13	102.17
				06/03/19	28.64	25.64	103.66
				10/02/19	30.47	27.47	101.83
				06/09/20	29.73	26.73	102.57
				10/06/20	30.90	27.90	101.40
				06/02/21	27.25	24.25	105.05
				09/28/21	28.50	25.50	103.80
				05/25/22	26.76	23.76	105.54
				09/19/22	26.04	23.04	106.26
				05/26/23	30.06	27.06	102.24
				08/23/23	30.75	27.75	101.55
				05/28/24	30.17	27.17	102.13
				09/24/24	30.04	27.04	102.26
MW-10	130.40	2.80	40-60	3/30/2017	27.90	25.10	102.50
				5/9/2017	27.50	24.70	102.90
				5/16/2017	27.57	24.77	102.83
				6/8/2017	27.68	24.88	102.72
				6/21/2017	27.84	25.04	102.56
				6/26/2017	27.97	25.17	102.43
				7/11/2017	28.14	25.34	102.26
				7/19/2017	28.26	25.46	102.14
				09/18/18	29.15	26.35	101.25
				06/03/19	27.10	24.30	103.30
				08/08/19	27.98	25.18	102.42
				10/02/19	28.81	26.01	101.59
				06/09/20	29.50	26.70	100.90
				10/06/20	30.30	27.50	100.10
				06/02/21	27.51	24.71	102.89
				09/28/21	27.32	24.52	103.08
				05/25/22	28.40	25.60	102.00
				09/20/22	28.75	25.95	101.65
				05/26/23	28.74	25.94	101.66
				08/23/23	29.53	26.73	100.87
				05/28/24	29.21	26.41	101.19
				09/24/24	29.37	26.57	101.03
MW-11	118.66	2.86	29-49	5/10/2017	14.30	11.44	104.36
				5/16/2017	14.39	11.53	104.27
				6/7/2017	14.56	11.70	104.10
				6/21/2017	14.85	11.99	103.81
				6/26/2017	14.94	12.08	103.72
				7/11/2017	15.20	12.34	103.46
				7/19/2017	15.31	12.45	103.35
				09/18/18	15.22	12.36	103.44
				06/03/19	14.82	11.96	103.84
				10/02/19	15.93	13.07	102.73
				06/09/20	14.54	11.68	104.12
				10/06/20	15.10	12.24	103.56
				06/02/21	13.80	10.94	104.86
				09/28/21	14.50	11.64	104.16
				05/25/22	13.80	10.94	104.86
				09/19/22	13.59	10.73	105.07
				05/26/23	15.43	12.57	103.23
				08/23/23	15.72	12.86	102.94
				05/28/24	14.41	11.55	104.25
				09/24/24	15.22	12.36	103.44

Notes:
Abbreviations: ags - above ground surface; amsl - above mean sea level; bgs - below ground surface; btoc - below top of casing.

APPENDIX A

LABORATORY ANALYTICAL REPORTS

July 02, 2024

Will Vienne
BBA Engineering
165 N. Lampasas St.
Bertram, TX 78605
TEL: (512) 355-9198
FAX:

Order No.: 2406007

RE: Coleto Creek - CCR Sampling

Dear Will Vienne:

DHL Analytical, Inc. received 10 sample(s) on 6/3/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAP except where noted in the Case Narrative. All non-NELAP methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211 - TX-C24-00120

Table of Contents

DHL ANALYTICAL
2300 Double Creek Dr. Round Rock, TX 78664
Phone 512.388.8222
Web: **www.dhlanalytical.com**
Email: **login@dhlanalytical.com**

CHAIN-OF-CUSTODY

CLIENT: BBA
ADDRESS: 165 N. CAMPASAS ST, BERTRAM, TX
PHONE: 512-355-9198 EMAIL:
DATA REPORTED TO: WILL VIENNE
ADDITIONAL REPORT COPIES TO:

DATE: 5-30-24
PO#: 23643V-19

LAB USE ONLY
DHL WORKORDER #: 2406007

PROJECT LOCATION OR NAME: COLETO CREEK - CCR SAMPLING
CLIENT PROJECT # 23643V-19 COLLECTOR: JOHN BRAYTON

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

W=WATER L=LIQUID S=SOIL SO=SOLID SE=SEDIMENT P=PAINT SL=SLUDGE

PRESERVATION: HCL ☐ H_3PO_4 ☐ HNO_3 H_2SO_4 NaOH ☐ Zn Acetate ☐ ICE ☒ UNPRESERVED ☐

ANALYSES: BTEX ☐ MTBE ☐ [METHOD 8260] TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐ GRO 8015 ☐ DRO 8015 ☐ VOC 8260 ☐ VOC 624.1 ☐ SVOC 8270 ☐ SVOC 625.1 ☐ PAH 8270 ☐ HOLD PAH ☐ PEST 8270 ☐ 625.1 ☐ O-P PEST 8270 ☐ PCB 8082 ☐ 608.3 ☐ PCB 8270 ☐ 625.1 ☐ HERB 8321 ☐ T PHOS ☐ AMMONIA ☐ METALS 6020 ☐ 200.8 ☐ DISS. METALS ☐ RCRA 8 ☐ TX11 ☐ _____ pH ☐ HEX CHROM ☐ ALKALINITY ☐ COD ☐ ANIONS 300 ☐ 9056 ☐ _____ TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐ TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐ RCI ☐ IGN ☐ DGAS ☐ OIL&GREASE ☐ TDS ☐ TSS ☐ % MOIST ☐ CYANIDE ☐ APPENDIX III APPENDIX IV

Field Sample I.D.	DHL Lab #	Collection Date	Collection Time	Matrix	Container Type	# of Containers	HCL ☐	HNO_3	H_2SO_4	NaOH ☐	ICE ☒	APPENDIX III	APPENDIX IV	FIELD NOTES
MW-10	01	5-29-24	0845	W	P	4		X			X	X	X	
BV-5	02	↓	0945	W	P	4		X			X	X	X	
MW-5	03		1040	W	P	4		X			X	X	X	
MW-9	04		1135	W	P	4		X			X	X	X	
DUP-1	05		1135	W	P	4		X			X	X	X	
MW-11	06		1235	W	P	4		X			X	X	X	
MW-6	07		1440	W	P	4		X			X	X	X	
MW-4	08	↓	1545	W	P	4		X			X	X	X	
MW-8	09	5-30-24	0750	W	P	4		X			X	X	X	
BV-21	10	↓	0845	W	P	4		X			X	X	X	

Relinquished By: (Sign)	DATE/TIME	Received by:
	5-30-24 1830	Fedex
Fedex	6/3/24 14:23	
	DATE/TIME	Received by:

TURN AROUND TIME (CALL FIRST FOR RUSH)
RUSH-1 DAY☐ RUSH-2 DAY☐ RUSH-3 DAY☐
NORMAL ☒ OTHER ☐
DUE DATE _____ ☐

LAB USE ONLY **THERMO #:** 18
RECEIVING TEMP (°C): 26.2°C, 23.0°C
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES / NO
CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☑ INTACT ☐ NOT USED
CARRIER: ☐ LSO ☑ FEDEX ☐ UPS ☐ COURIER ☐ HAND DELIVERED

☐ **DHL DISPOSAL @ $10.00 each**

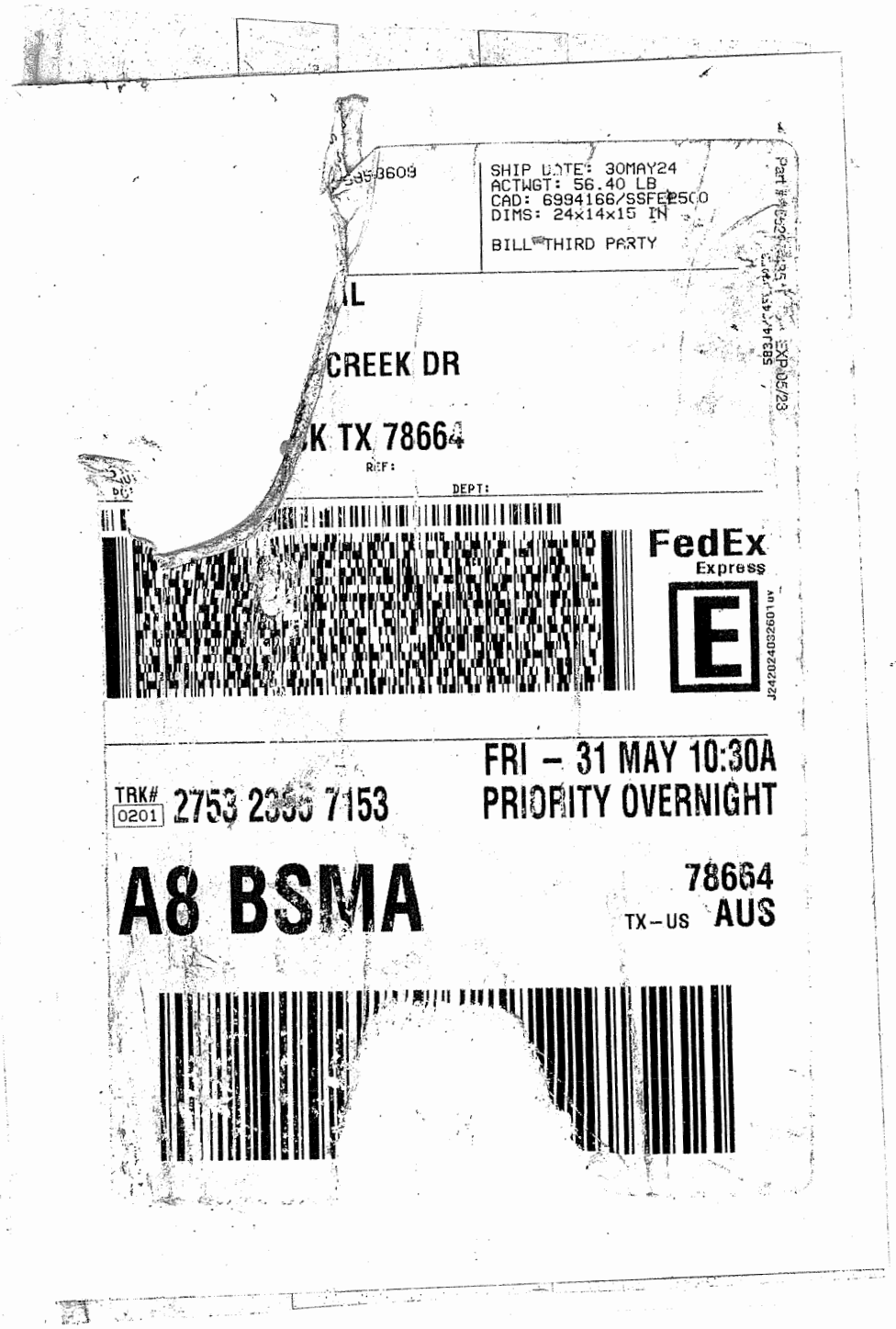
Eric Lau

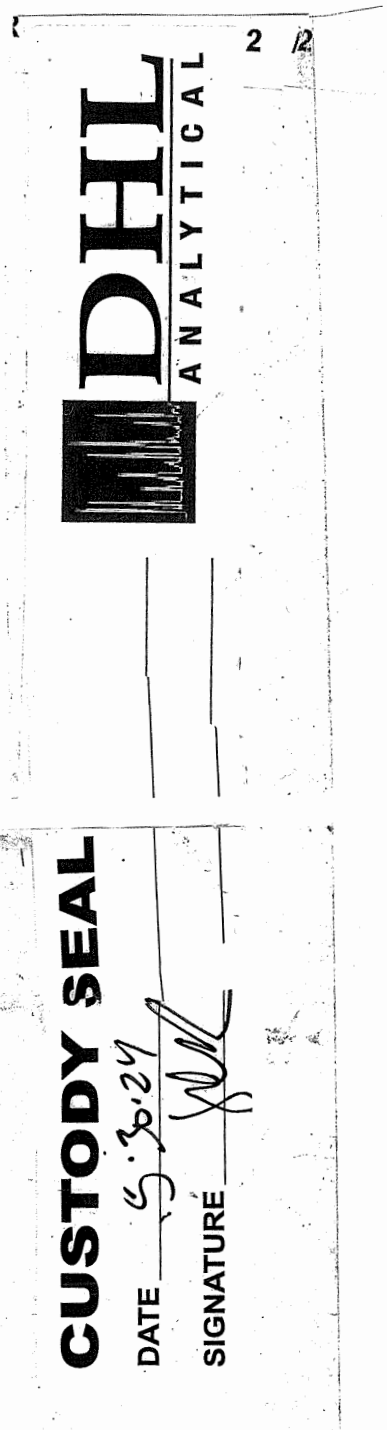
From: John DuPont
Sent: Tuesday, May 28, 2019 11:35 AM
To: Eric Lau
Subject: FW: CCR Analysis

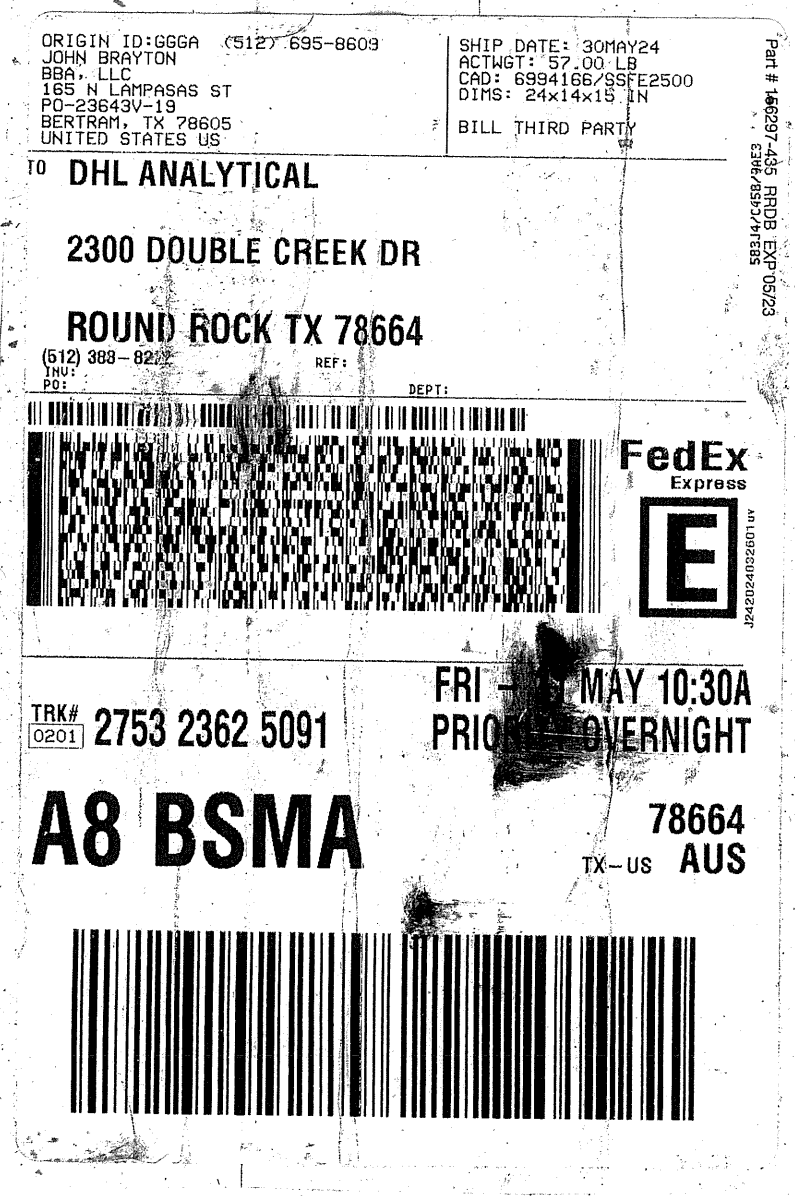
Appendix III Parameters:
Metals (Ca and B)
Anions (Cl, F, and SO4)
TDS

Appendix IV Parameters:

Metals (As, Ba, Be, Cd, Co, Cr, Hg, Li, Mo, Pb, Sb, Se, and Tl)
Ra-226
Ra-228


SHIP DATE: 30MAY24
ACTWGT: 56.40 LB
CAD: 6994166/SSFE2500
DIMS: 24x14x15 IN
BILL THIRD PARTY
CREEK DR
K TX 78664
REF:
DEPT:
FedEx
Express
FRI - 31 MAY 10:30A
PRIORITY OVERNIGHT
TRK# 0201 2753 2355 7153
A8 BSMA
78664
TX-US AUS


DHL
ANALYTICAL
CUSTODY SEAL
DATE 5.30.24
SIGNATURE



ORIGIN ID:GGGA (512) 695-8609
JOHN BRAYTON
BBA, LLC
165 N LAMPASAS ST
PO-23643V-19
BERTRAM, TX 78605
UNITED STATES US

SHIP DATE: 30MAY24
ACTWGT: 57.00 LB
CAD: 6994166/SSFE2500
DIMS: 24x14x15 IN

BILL THIRD PARTY

Part # 146297-435 RRDB EXP 05/23

TO DHL ANALYTICAL

2300 DOUBLE CREEK DR

ROUND ROCK TX 78664

(512) 388-8222 REF:

INV:

PO: DEPT:

FedEx Express

J242024032601ur

TRK# 0201 2753 2362 5091

FRI - MAY 10:30A
PRIO OVERNIGHT

A8 BSMA

78664
TX-US AUS

DHL ANALYTICAL

CUSTODY SEAL

DATE 5.30.24

SIGNATURE

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: **BBA Engineering**

Date Received: **6/3/2024**

Work Order Number: **2406007**

Received by: **KAO**

Checklist completed by: _____ 6/3/2024 (Signature / Date)

Reviewed by: DB 6/3/2024 (Initials / Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☑	No ☐	NA ☐ LOT # 13135
	Adjusted? no		Checked by EL
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	

Cooler #	1	2
Temp °C	26.2	23.0
Seal Intact	Y	Y

Any No response must be detailed in the comments section below.

Client contacted: BBA Date contacted: 6/3/2024 Person contacted: Will Vienne

Contacted by: Eric Law Regarding: Sample temp.

Comments: Samples received out of temp for SO4 & TDS analysis.

Corrective Action: Proceed & flag data.

Laboratory Name: DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Coleto Creek - CCR Sampling	**LRC Date:** 7/2/24
Reviewer Name: Carlos Castro	**Laboratory Work Order:** 2406007
Prep Batch Number(s): See Prep Dates Report	**Run Batch:** See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-Custody (C-O-C)					
R1	OI	**1)** Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	**X**				**R1-01**
		2) Were all departures from standard conditions described in an exception report?			**X**		
R2	OI	**Sample and Quality Control (QC) Identification**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	**X**				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	**X**				
R3	OI	**Test Reports**					
		1) Were all samples prepared and analyzed within holding times?	**X**				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	**X**				
		3) Were calculations checked by a peer or supervisor?	**X**				
		4) Were all analyte identifications checked by a peer or supervisor?	**X**				
		5) Were sample detection limits reported for all analytes not detected?	**X**				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			**X**		
		7) Were % moisture (or solids) reported for all soil and sediment samples?			**X**		
		8) Were bulk soils/solids samples for volatile analysis extracted with methanol per EPA Method 5035?			**X**		
		9) If required for the project, TICs reported?			**X**		
R4	O	**Surrogate Recovery Data**					
		1) Were surrogates added prior to extraction?			**X**		
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?			**X**		
R5	OI	**Test Reports/Summary Forms for Blank Samples**					
		1) Were appropriate type(s) of blanks analyzed?	**X**				
		2) Were blanks analyzed at the appropriate frequency?	**X**				
		3) Where method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	**X**				
		4) Were blank concentrations < MDL?	**X**				
		5) For analyte(s) detected in a blank sample, was the concentration, unadjusted for sample specific factors, in all associated field samples, **greater** than 10 times the concentration in the blank sample?			**X**		
R6	OI	**Laboratory Control Samples (LCS):**					
		1) Were all COCs included in the LCS?	**X**				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	**X**				
		3) Were LCSs analyzed at the required frequency?	**X**				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	**X**				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	**X**				
		6) Was the LCSD RPD within QC limits (if applicable)?	**X**				
R7	OI	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data**					
		1) Were the project/method specified analytes included in the MS and MSD?	**X**				
		2) Were MS/MSD analyzed at the appropriate frequency?	**X**				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		**X**			**R7-03**
		4) Were MS/MSD RPDs within laboratory QC limits?	**X**				
R8	OI	**Analytical Duplicate Data**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	**X**				
		2) Were analytical duplicates analyzed at the appropriate frequency?	**X**				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?		**X**			**R8-03**
R9	OI	**Method Quantitation Limits (MQLs):**					
		1) Are the MQLs for each method analyte included in the laboratory data package?	**X**				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	**X**				
		3) Are unadjusted MQLs and DCSs included in the laboratory data package?	**X**				
R10	OI	**Other Problems/Anomalies**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	**X**				
		2) Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	**X**				
		3) Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	**X**				

Laboratory Name: DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Coleto Creek - CCR Sampling	**LRC Date:** 7/2/24
Reviewer Name: Carlos Castro	**Laboratory Work Order:** 2406007
Prep Batch Number(s): See Prep Dates Report	**Run Batch:** See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and Continuing calibration Verification (ICCV and CCV) and Continuing Calibration blank (CCB):**					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?	X				
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass Spectral Tuning:**					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal Standards (IS):**					
		1) Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw Data (NELAC Section 5.5.10)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual Column Confirmation**					
		1) Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs):**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results:**					
		1) Were percent recoveries within method QC limits?	X				
S9	I	**Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method Detection Limit (MDL) Studies**					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency Test Reports:**					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5 – Appendix C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods** (NELAC Chapter 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs):**					
		1) Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Signature Page – RG-366/TRRP-13

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;
R2 Sample identification cross-reference;
R3 Test reports (analytical data sheets) for each environmental sample that includes:
  a) Items consistent with NELAC Chapter 5,
  b) dilution factors,
  c) preparation methods,
  d) cleanup methods, and
  e) if required for the project, tentatively identified compounds (TICs).
R4 Surrogate recovery data including:
  a) Calculated recovery (%R), and
  b) The laboratory's surrogate QC limits.
R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  a) LCS spiking amounts,
  b) Calculated %R for each analyte, and
  c) The laboratory's LCS QC limits.
R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  a) Samples associated with the MS/MSD clearly identified,
  b) MS/MSD spiking amounts,
  c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  d) Calculated %Rs and relative percent differences (RPDs), and
  e) The laboratory's MS/MSD QC limits
R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  a) The amount of analyte measured in the duplicate,
  b) The calculated RPD, and
  c) The laboratory's QC limits for analytical duplicates.
R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory is not accredited under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information or data affecting the quality of the data has been knowingly withheld.

This laboratory was last inspected by TCEQ on May 30 - June 2, 2023. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name: John DuPont
Official Title: General Manager

Signature

07/02/24
Date

Name: Dr. Derhsing Luu
Official Title: Technical Director

DHL Analytical, Inc. **Date:** *02-Jul-24*

CLIENT: BBA Engineering
Project: Coleto Creek - CCR Sampling
Lab Order: 2406007

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Method SW6020B - Metals Analysis
Method SW7470A - Mercury Analysis
Method E300 - Anions Analysis
Method M2540C - TDS Analysis
Sub-contract - Radium-228 and Radium-226 analyses by methods E904/9320 and SM7500 Ra B M. Analyzed at Pace Analytical.

Exception Report R1-01

The samples were received and log-in performed on 6/3/24. A total of 10 samples were received. All samples arrived at DHL Analytical outside the temperature control limit (6°C) at 26.2°C and 23.0°C for the Anions (Sulfate) and TDS analyses. Proceeded with analyses as per the client. All Sulfate and TDS results are flagged with a "C" to designate this. The samples arrived in good condition and were properly packaged.

Exception Report R7-03

For Metals analysis performed on 6/10/24 the matrix spike recovery was below control limits for Calcium. This is flagged accordingly in the QC summary report. The sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits for this analyte. No further corrective actions were taken.

Exception Report R8-03

For TDS analysis performed on 6/4/24 the sample and sample duplicate (2405344-02 & 2405344-02-DUP) had the RPD slightly above control limits. This is flagged accordingly in the QC summary report. All other QC was within control limits. No further corrective actions were taken.

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT: BBA Engineering
Project: Coleto Creek - CCR Sampling
Lab Order: 2406007

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2406007-01	MW-10		05/29/24 08:45 AM	06/03/2024
2406007-02	BV-5		05/29/24 09:45 AM	06/03/2024
2406007-03	MW-5		05/29/24 10:40 AM	06/03/2024
2406007-04	MW-9		05/29/24 11:35 AM	06/03/2024
2406007-05	DUP-1		05/29/24 11:35 AM	06/03/2024
2406007-06	MW-11		05/29/24 12:35 PM	06/03/2024
2406007-07	MW-6		05/29/24 02:40 PM	06/03/2024
2406007-08	MW-4		05/29/24 03:45 PM	06/03/2024
2406007-09	MW-8		05/30/24 07:50 AM	06/03/2024
2406007-10	BV-21		05/30/24 08:45 AM	06/03/2024

Lab Order: 2406007
Client: BBA Engineering
Project: Coleto Creek - CCR Sampling

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2406007-01A	MW-10	05/29/24 08:45 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-10	05/29/24 08:45 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-10	05/29/24 08:45 AM	Aqueous	SW7470A	Mercury Aq Prep	06/04/24 08:17 AM	115648
2406007-01B	MW-10	05/29/24 08:45 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-10	05/29/24 08:45 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-10	05/29/24 08:45 AM	Aqueous	M2540C	TDS Preparation	06/04/24 09:08 AM	115653
2406007-02A	BV-5	05/29/24 09:45 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	BV-5	05/29/24 09:45 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	BV-5	05/29/24 09:45 AM	Aqueous	SW7470A	Mercury Aq Prep	06/04/24 08:17 AM	115648
2406007-02B	BV-5	05/29/24 09:45 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	BV-5	05/29/24 09:45 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	BV-5	05/29/24 09:45 AM	Aqueous	M2540C	TDS Preparation	06/04/24 09:08 AM	115653
2406007-03A	MW-5	05/29/24 10:40 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-5	05/29/24 10:40 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-5	05/29/24 10:40 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-5	05/29/24 10:40 AM	Aqueous	SW7470A	Mercury Aq Prep	06/04/24 08:17 AM	115648
2406007-03B	MW-5	05/29/24 10:40 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-5	05/29/24 10:40 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-5	05/29/24 10:40 AM	Aqueous	M2540C	TDS Preparation	06/04/24 09:08 AM	115653
2406007-04A	MW-9	05/29/24 11:35 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-9	05/29/24 11:35 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-9	05/29/24 11:35 AM	Aqueous	SW7470A	Mercury Aq Prep	06/04/24 08:17 AM	115648
2406007-04B	MW-9	05/29/24 11:35 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-9	05/29/24 11:35 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-9	05/29/24 11:35 AM	Aqueous	M2540C	TDS Preparation	06/04/24 09:08 AM	115653
2406007-05A	DUP-1	05/29/24 11:35 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	DUP-1	05/29/24 11:35 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	DUP-1	05/29/24 11:35 AM	Aqueous	SW7470A	Mercury Aq Prep	06/04/24 08:17 AM	115648

Lab Order: 2406007
Client: BBA Engineering
Project: Coleto Creek - CCR Sampling

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2406007-05B	DUP-1	05/29/24 11:35 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	DUP-1	05/29/24 11:35 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	DUP-1	05/29/24 11:35 AM	Aqueous	M2540C	TDS Preparation	06/04/24 09:08 AM	115653
2406007-06A	MW-11	05/29/24 12:35 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-11	05/29/24 12:35 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-11	05/29/24 12:35 PM	Aqueous	SW7470A	Mercury Aq Prep	06/04/24 08:17 AM	115648
2406007-06B	MW-11	05/29/24 12:35 PM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-11	05/29/24 12:35 PM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-11	05/29/24 12:35 PM	Aqueous	M2540C	TDS Preparation	06/04/24 09:08 AM	115653
2406007-07A	MW-6	05/29/24 02:40 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-6	05/29/24 02:40 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-6	05/29/24 02:40 PM	Aqueous	SW7470A	Mercury Aq Prep	06/04/24 08:17 AM	115648
2406007-07B	MW-6	05/29/24 02:40 PM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-6	05/29/24 02:40 PM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-6	05/29/24 02:40 PM	Aqueous	M2540C	TDS Preparation	06/04/24 09:08 AM	115653
2406007-08A	MW-4	05/29/24 03:45 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-4	05/29/24 03:45 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-4	05/29/24 03:45 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-4	05/29/24 03:45 PM	Aqueous	SW7470A	Mercury Aq Prep	06/04/24 08:17 AM	115648
2406007-08B	MW-4	05/29/24 03:45 PM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-4	05/29/24 03:45 PM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-4	05/29/24 03:45 PM	Aqueous	M2540C	TDS Preparation	06/04/24 09:08 AM	115653
2406007-09A	MW-8	05/30/24 07:50 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-8	05/30/24 07:50 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	MW-8	05/30/24 07:50 AM	Aqueous	SW7470A	Mercury Aq Prep	06/04/24 08:17 AM	115648
2406007-09B	MW-8	05/30/24 07:50 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-8	05/30/24 07:50 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	MW-8	05/30/24 07:50 AM	Aqueous	M2540C	TDS Preparation	06/04/24 09:08 AM	115653

Lab Order: 2406007
Client: BBA Engineering
Project: Coleto Creek - CCR Sampling

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2406007-10A	BV-21	05/30/24 08:45 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	BV-21	05/30/24 08:45 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/07/24 07:01 AM	115709
	BV-21	05/30/24 08:45 AM	Aqueous	SW7470A	Mercury Aq Prep	06/04/24 08:23 AM	115649
2406007-10B	BV-21	05/30/24 08:45 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	BV-21	05/30/24 08:45 AM	Aqueous	E300	Anion Preparation	06/04/24 10:18 AM	115659
	BV-21	05/30/24 08:45 AM	Aqueous	M2540C	TDS Preparation	06/04/24 09:08 AM	115653

Lab Order: 2406007
Client: BBA Engineering
Project: Coleto Creek - CCR Sampling

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2406007-01A	MW-10	Aqueous	SW7470A	Mercury Total: Aqueous	115648	1	06/04/24 03:46 PM	CETAC2_HG_240604B
	MW-10	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	20	06/10/24 01:38 PM	ICP-MS4_240610B
	MW-10	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 12:18 PM	ICP-MS5_240610A
2406007-01B	MW-10	Aqueous	E300	Anions by IC method - Water	115659	10	06/04/24 04:09 PM	IC4_240604B
	MW-10	Aqueous	E300	Anions by IC method - Water	115659	1	06/04/24 10:20 PM	IC4_240604B
	MW-10	Aqueous	M2540C	Total Dissolved Solids	115653	1	06/04/24 02:30 PM	WC_240604C
2406007-02A	BV-5	Aqueous	SW7470A	Mercury Total: Aqueous	115648	1	06/04/24 03:48 PM	CETAC2_HG_240604B
	BV-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	5	06/10/24 01:40 PM	ICP-MS4_240610B
	BV-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 12:21 PM	ICP-MS5_240610A
2406007-02B	BV-5	Aqueous	E300	Anions by IC method - Water	115659	10	06/04/24 06:13 PM	IC4_240604B
	BV-5	Aqueous	E300	Anions by IC method - Water	115659	1	06/04/24 10:39 PM	IC4_240604B
	BV-5	Aqueous	M2540C	Total Dissolved Solids	115653	1	06/04/24 02:30 PM	WC_240604C
2406007-03A	MW-5	Aqueous	SW7470A	Mercury Total: Aqueous	115648	1	06/04/24 04:20 PM	CETAC2_HG_240604B
	MW-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 02:43 PM	ICP-MS4_240610B
	MW-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 12:24 PM	ICP-MS5_240610A
	MW-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	10	06/10/24 01:42 PM	ICP-MS4_240610B
2406007-03B	MW-5	Aqueous	E300	Anions by IC method - Water	115659	1	06/04/24 10:58 PM	IC4_240604B
	MW-5	Aqueous	E300	Anions by IC method - Water	115659	10	06/04/24 06:32 PM	IC4_240604B
	MW-5	Aqueous	M2540C	Total Dissolved Solids	115653	1	06/04/24 02:30 PM	WC_240604C
2406007-04A	MW-9	Aqueous	SW7470A	Mercury Total: Aqueous	115648	1	06/04/24 04:22 PM	CETAC2_HG_240604B
	MW-9	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	5	06/10/24 01:44 PM	ICP-MS4_240610B
	MW-9	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 12:26 PM	ICP-MS5_240610A
2406007-04B	MW-9	Aqueous	E300	Anions by IC method - Water	115659	10	06/04/24 06:51 PM	IC4_240604B
	MW-9	Aqueous	E300	Anions by IC method - Water	115659	1	06/04/24 11:17 PM	IC4_240604B
	MW-9	Aqueous	M2540C	Total Dissolved Solids	115653	1	06/04/24 02:30 PM	WC_240604C
2406007-05A	DUP-1	Aqueous	SW7470A	Mercury Total: Aqueous	115648	1	06/04/24 04:25 PM	CETAC2_HG_240604B

Lab Order: 2406007
Client: BBA Engineering
Project: Coleto Creek - CCR Sampling

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2406007-05A	DUP-1	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	5	06/10/24 01:46 PM	ICP-MS4_240610B
	DUP-1	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 12:29 PM	ICP-MS5_240610A
2406007-05B	DUP-1	Aqueous	E300	Anions by IC method - Water	115659	1	06/04/24 11:36 PM	IC4_240604B
	DUP-1	Aqueous	E300	Anions by IC method - Water	115659	10	06/04/24 07:10 PM	IC4_240604B
	DUP-1	Aqueous	M2540C	Total Dissolved Solids	115653	1	06/04/24 02:30 PM	WC_240604C
2406007-06A	MW-11	Aqueous	SW7470A	Mercury Total: Aqueous	115648	1	06/04/24 04:27 PM	CETAC2_HG_240604B
	MW-11	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	5	06/10/24 01:48 PM	ICP-MS4_240610B
	MW-11	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 12:31 PM	ICP-MS5_240610A
2406007-06B	MW-11	Aqueous	E300	Anions by IC method - Water	115659	10	06/04/24 07:29 PM	IC4_240604B
	MW-11	Aqueous	E300	Anions by IC method - Water	115659	1	06/04/24 11:55 PM	IC4_240604B
	MW-11	Aqueous	M2540C	Total Dissolved Solids	115653	1	06/04/24 02:30 PM	WC_240604C
2406007-07A	MW-6	Aqueous	SW7470A	Mercury Total: Aqueous	115648	1	06/04/24 04:29 PM	CETAC2_HG_240604B
	MW-6	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	10	06/10/24 01:34 PM	ICP-MS4_240610B
	MW-6	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 12:13 PM	ICP-MS5_240610A
2406007-07B	MW-6	Aqueous	E300	Anions by IC method - Water	115659	10	06/04/24 09:04 PM	IC4_240604B
	MW-6	Aqueous	E300	Anions by IC method - Water	115659	1	06/05/24 01:30 AM	IC4_240604B
	MW-6	Aqueous	M2540C	Total Dissolved Solids	115653	1	06/04/24 02:30 PM	WC_240604C
2406007-08A	MW-4	Aqueous	SW7470A	Mercury Total: Aqueous	115648	1	06/04/24 04:32 PM	CETAC2_HG_240604B
	MW-4	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 02:45 PM	ICP-MS4_240610B
	MW-4	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 12:34 PM	ICP-MS5_240610A
	MW-4	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	10	06/10/24 01:50 PM	ICP-MS4_240610B
2406007-08B	MW-4	Aqueous	E300	Anions by IC method - Water	115659	1	06/05/24 01:49 AM	IC4_240604B
	MW-4	Aqueous	E300	Anions by IC method - Water	115659	10	06/04/24 09:23 PM	IC4_240604B
	MW-4	Aqueous	M2540C	Total Dissolved Solids	115653	1	06/04/24 02:30 PM	WC_240604C
2406007-09A	MW-8	Aqueous	SW7470A	Mercury Total: Aqueous	115648	1	06/04/24 04:34 PM	CETAC2_HG_240604B
	MW-8	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	5	06/10/24 01:52 PM	ICP-MS4_240610B

Lab Order: 2406007
Client: BBA Engineering
Project: Coleto Creek - CCR Sampling

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2406007-09A	MW-8	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 12:37 PM	ICP-MS5_240610A
2406007-09B	MW-8	Aqueous	E300	Anions by IC method - Water	115659	10	06/04/24 09:42 PM	IC4_240604B
	MW-8	Aqueous	E300	Anions by IC method - Water	115659	1	06/05/24 02:08 AM	IC4_240604B
	MW-8	Aqueous	M2540C	Total Dissolved Solids	115653	1	06/04/24 02:30 PM	WC_240604C
2406007-10A	BV-21	Aqueous	SW7470A	Mercury Total: Aqueous	115649	1	06/05/24 11:27 AM	CETAC2_HG_240605A
	BV-21	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	5	06/10/24 01:54 PM	ICP-MS4_240610B
	BV-21	Aqueous	SW6020B	Total Metals: ICP-MS - Water	115709	1	06/10/24 12:39 PM	ICP-MS5_240610A
2406007-10B	BV-21	Aqueous	E300	Anions by IC method - Water	115659	10	06/04/24 10:01 PM	IC4_240604B
	BV-21	Aqueous	E300	Anions by IC method - Water	115659	1	06/05/24 02:27 AM	IC4_240604B
	BV-21	Aqueous	M2540C	Total Dissolved Solids	115653	1	06/04/24 02:30 PM	WC_240604C

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-10
Project:	Coleto Creek - CCR Sampling	**Lab ID:**	2406007-01
Project No:	23643V-19	**Collection Date:**	05/29/24 08:45 AM
Lab Order:	2406007	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/10/24 12:18 PM
Arsenic	0.0149	0.00200	0.00500		mg/L	1	06/10/24 12:18 PM
Barium	0.0654	0.00300	0.0100		mg/L	1	06/10/24 12:18 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:18 PM
Boron	6.78	0.200	0.600		mg/L	20	06/10/24 01:38 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:18 PM
Calcium	38.2	2.00	6.00		mg/L	20	06/10/24 01:38 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:18 PM
Cobalt	0.0105	0.00300	0.00500		mg/L	1	06/10/24 12:18 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:18 PM
Lithium	0.0111	0.00500	0.0100		mg/L	1	06/10/24 12:18 PM
Molybdenum	0.0852	0.00200	0.00500		mg/L	1	06/10/24 12:18 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:18 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/10/24 12:18 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/04/24 03:46 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	49.6	3.00	10.0		mg/L	10	06/04/24 04:09 PM
Fluoride	1.09	0.100	0.400		mg/L	1	06/04/24 10:20 PM
Sulfate	71.1	1.00	3.00	C	mg/L	1	06/04/24 10:20 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	529	10.0	10.0	C	mg/L	1	06/04/24 02:30 PM

Qualifiers:

ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
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DF- Dilution Factor
N - Parameter not NELAP certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	BV-5
Project:	Coleto Creek - CCR Sampling	**Lab ID:**	2406007-02
Project No:	23643V-19	**Collection Date:**	05/29/24 09:45 AM
Lab Order:	2406007	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/10/24 12:21 PM
Arsenic	0.0113	0.00200	0.00500		mg/L	1	06/10/24 12:21 PM
Barium	0.0451	0.00300	0.0100		mg/L	1	06/10/24 12:21 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:21 PM
Boron	1.15	0.0500	0.150		mg/L	5	06/10/24 01:40 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:21 PM
Calcium	57.2	0.500	1.50		mg/L	5	06/10/24 01:40 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:21 PM
Cobalt	0.0368	0.00300	0.00500		mg/L	1	06/10/24 12:21 PM
Lead	0.000750	0.000300	0.00100	J	mg/L	1	06/10/24 12:21 PM
Lithium	0.0151	0.00500	0.0100		mg/L	1	06/10/24 12:21 PM
Molybdenum	0.0139	0.00200	0.00500		mg/L	1	06/10/24 12:21 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:21 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/10/24 12:21 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/04/24 03:48 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	116	3.00	10.0		mg/L	10	06/04/24 06:13 PM
Fluoride	1.06	0.100	0.400		mg/L	1	06/04/24 10:39 PM
Sulfate	116	1.00	3.00	C	mg/L	1	06/04/24 10:39 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	913	10.0	10.0	C	mg/L	1	06/04/24 02:30 PM

Qualifiers:

ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAP certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-5
Project:	Coleto Creek - CCR Sampling	**Lab ID:**	2406007-03
Project No:	23643V-19	**Collection Date:**	05/29/24 10:40 AM
Lab Order:	2406007	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/10/24 12:24 PM
Arsenic	0.00934	0.00200	0.00500		mg/L	1	06/10/24 12:24 PM
Barium	0.0545	0.00300	0.0100		mg/L	1	06/10/24 12:24 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:24 PM
Boron	0.159	0.0100	0.0300		mg/L	1	06/10/24 02:43 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:24 PM
Calcium	116	1.00	3.00		mg/L	10	06/10/24 01:42 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:24 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	06/10/24 12:24 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:24 PM
Lithium	0.0182	0.00500	0.0100		mg/L	1	06/10/24 12:24 PM
Molybdenum	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:24 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:24 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/10/24 12:24 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/04/24 04:20 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	127	3.00	10.0		mg/L	10	06/04/24 06:32 PM
Fluoride	0.601	0.100	0.400		mg/L	1	06/04/24 10:58 PM
Sulfate	186	10.0	30.0	C	mg/L	10	06/04/24 06:32 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	827	10.0	10.0	C	mg/L	1	06/04/24 02:30 PM

Qualifiers:

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DF- Dilution Factor
N - Parameter not NELAP certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-9
Project:	Coleto Creek - CCR Sampling	**Lab ID:**	2406007-04
Project No:	23643V-19	**Collection Date:**	05/29/24 11:35 AM
Lab Order:	2406007	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/10/24 12:26 PM
Arsenic	0.0218	0.00200	0.00500		mg/L	1	06/10/24 12:26 PM
Barium	0.101	0.00300	0.0100		mg/L	1	06/10/24 12:26 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:26 PM
Boron	1.45	0.0500	0.150		mg/L	5	06/10/24 01:44 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:26 PM
Calcium	57.6	0.500	1.50		mg/L	5	06/10/24 01:44 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:26 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	06/10/24 12:26 PM
Lead	0.000385	0.000300	0.00100	J	mg/L	1	06/10/24 12:26 PM
Lithium	0.00673	0.00500	0.0100	J	mg/L	1	06/10/24 12:26 PM
Molybdenum	0.0304	0.00200	0.00500		mg/L	1	06/10/24 12:26 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:26 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/10/24 12:26 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/04/24 04:22 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	48.4	0.300	1.00		mg/L	1	06/04/24 11:17 PM
Fluoride	0.860	0.100	0.400		mg/L	1	06/04/24 11:17 PM
Sulfate	77.3	1.00	3.00	C	mg/L	1	06/04/24 11:17 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	417	10.0	10.0	C	mg/L	1	06/04/24 02:30 PM

Qualifiers:

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J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAP certified
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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	DUP-1
Project:	Coleto Creek - CCR Sampling	**Lab ID:**	2406007-05
Project No:	23643V-19	**Collection Date:**	05/29/24 11:35 AM
Lab Order:	2406007	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/10/24 12:29 PM
Arsenic	0.0220	0.00200	0.00500		mg/L	1	06/10/24 12:29 PM
Barium	0.100	0.00300	0.0100		mg/L	1	06/10/24 12:29 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:29 PM
Boron	1.51	0.0500	0.150		mg/L	5	06/10/24 01:46 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:29 PM
Calcium	57.5	0.500	1.50		mg/L	5	06/10/24 01:46 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:29 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	06/10/24 12:29 PM
Lead	0.000381	0.000300	0.00100	J	mg/L	1	06/10/24 12:29 PM
Lithium	0.00668	0.00500	0.0100	J	mg/L	1	06/10/24 12:29 PM
Molybdenum	0.0299	0.00200	0.00500		mg/L	1	06/10/24 12:29 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:29 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/10/24 12:29 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/04/24 04:25 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	48.4	0.300	1.00		mg/L	1	06/04/24 11:36 PM
Fluoride	0.863	0.100	0.400		mg/L	1	06/04/24 11:36 PM
Sulfate	77.4	1.00	3.00	C	mg/L	1	06/04/24 11:36 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	435	10.0	10.0	C	mg/L	1	06/04/24 02:30 PM

Qualifiers:

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DF- Dilution Factor
N - Parameter not NELAP certified
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C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-11
Project:	Coleto Creek - CCR Sampling	**Lab ID:**	2406007-06
Project No:	23643V-19	**Collection Date:**	05/29/24 12:35 PM
Lab Order:	2406007	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/10/24 12:31 PM
Arsenic	0.0201	0.00200	0.00500		mg/L	1	06/10/24 12:31 PM
Barium	0.101	0.00300	0.0100		mg/L	1	06/10/24 12:31 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:31 PM
Boron	0.914	0.0500	0.150		mg/L	5	06/10/24 01:48 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:31 PM
Calcium	55.9	0.500	1.50		mg/L	5	06/10/24 01:48 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:31 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	06/10/24 12:31 PM
Lead	0.000495	0.000300	0.00100	J	mg/L	1	06/10/24 12:31 PM
Lithium	0.0138	0.00500	0.0100		mg/L	1	06/10/24 12:31 PM
Molybdenum	0.0116	0.00200	0.00500		mg/L	1	06/10/24 12:31 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:31 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/10/24 12:31 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/04/24 04:27 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	46.8	0.300	1.00		mg/L	1	06/04/24 11:55 PM
Fluoride	0.596	0.100	0.400		mg/L	1	06/04/24 11:55 PM
Sulfate	51.2	1.00	3.00	C	mg/L	1	06/04/24 11:55 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	374	10.0	10.0	C	mg/L	1	06/04/24 02:30 PM

Qualifiers:

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DF- Dilution Factor
N - Parameter not NELAP certified
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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-6
Project:	Coleto Creek - CCR Sampling	**Lab ID:**	2406007-07
Project No:	23643V-19	**Collection Date:**	05/29/24 02:40 PM
Lab Order:	2406007	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/10/24 12:13 PM
Arsenic	0.00919	0.00200	0.00500		mg/L	1	06/10/24 12:13 PM
Barium	0.0670	0.00300	0.0100		mg/L	1	06/10/24 12:13 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:13 PM
Boron	2.24	0.100	0.300		mg/L	10	06/10/24 01:34 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:13 PM
Calcium	63.4	1.00	3.00		mg/L	10	06/10/24 01:34 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:13 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	06/10/24 12:13 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:13 PM
Lithium	0.0115	0.00500	0.0100		mg/L	1	06/10/24 12:13 PM
Molybdenum	0.0376	0.00200	0.00500		mg/L	1	06/10/24 12:13 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:13 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/10/24 12:13 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/04/24 04:29 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	48.0	3.00	10.0		mg/L	10	06/04/24 09:04 PM
Fluoride	0.589	0.100	0.400		mg/L	1	06/05/24 01:30 AM
Sulfate	109	1.00	3.00	C	mg/L	1	06/05/24 01:30 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	464	10.0	10.0	C	mg/L	1	06/04/24 02:30 PM

Qualifiers:

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DF- Dilution Factor
N - Parameter not NELAP certified
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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-4
Project:	Coleto Creek - CCR Sampling	**Lab ID:**	2406007-08
Project No:	23643V-19	**Collection Date:**	05/29/24 03:45 PM
Lab Order:	2406007	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	0.000972	0.000800	0.00250	J	mg/L	1	06/10/24 12:34 PM
Arsenic	0.00338	0.00200	0.00500	J	mg/L	1	06/10/24 12:34 PM
Barium	0.0407	0.00300	0.0100		mg/L	1	06/10/24 12:34 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:34 PM
Boron	0.324	0.0100	0.0300		mg/L	1	06/10/24 02:45 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:34 PM
Calcium	97.5	1.00	3.00		mg/L	10	06/10/24 01:50 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:34 PM
Cobalt	0.00618	0.00300	0.00500		mg/L	1	06/10/24 12:34 PM
Lead	0.00514	0.000300	0.00100		mg/L	1	06/10/24 12:34 PM
Lithium	0.0103	0.00500	0.0100		mg/L	1	06/10/24 12:34 PM
Molybdenum	0.00421	0.00200	0.00500	J	mg/L	1	06/10/24 12:34 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:34 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/10/24 12:34 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/04/24 04:32 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	37.9	0.300	1.00		mg/L	1	06/05/24 01:49 AM
Fluoride	0.265	0.100	0.400	J	mg/L	1	06/05/24 01:49 AM
Sulfate	47.6	1.00	3.00	C	mg/L	1	06/05/24 01:49 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	460	10.0	10.0	C	mg/L	1	06/04/24 02:30 PM

Qualifiers:

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J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAP certified
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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-8
Project:	Coleto Creek - CCR Sampling	**Lab ID:**	2406007-09
Project No:	23643V-19	**Collection Date:**	05/30/24 07:50 AM
Lab Order:	2406007	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/10/24 12:37 PM
Arsenic	0.00952	0.00200	0.00500		mg/L	1	06/10/24 12:37 PM
Barium	0.0809	0.00300	0.0100		mg/L	1	06/10/24 12:37 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:37 PM
Boron	0.837	0.0500	0.150		mg/L	5	06/10/24 01:52 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:37 PM
Calcium	69.8	0.500	1.50		mg/L	5	06/10/24 01:52 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:37 PM
Cobalt	0.00505	0.00300	0.00500		mg/L	1	06/10/24 12:37 PM
Lead	0.000411	0.000300	0.00100	J	mg/L	1	06/10/24 12:37 PM
Lithium	0.0101	0.00500	0.0100		mg/L	1	06/10/24 12:37 PM
Molybdenum	0.0133	0.00200	0.00500		mg/L	1	06/10/24 12:37 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:37 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/10/24 12:37 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/04/24 04:34 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	49.4	0.300	1.00		mg/L	1	06/05/24 02:08 AM
Fluoride	0.573	0.100	0.400		mg/L	1	06/05/24 02:08 AM
Sulfate	50.7	1.00	3.00	C	mg/L	1	06/05/24 02:08 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	463	10.0	10.0	C	mg/L	1	06/04/24 02:30 PM

Qualifiers:

ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAP certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	BV-21
Project:	Coleto Creek - CCR Sampling	**Lab ID:**	2406007-10
Project No:	23643V-19	**Collection Date:**	05/30/24 08:45 AM
Lab Order:	2406007	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/10/24 12:39 PM
Arsenic	0.0623	0.00200	0.00500		mg/L	1	06/10/24 12:39 PM
Barium	0.182	0.00300	0.0100		mg/L	1	06/10/24 12:39 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:39 PM
Boron	0.501	0.0500	0.150		mg/L	5	06/10/24 01:54 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/10/24 12:39 PM
Calcium	84.1	0.500	1.50		mg/L	5	06/10/24 01:54 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:39 PM
Cobalt	0.00659	0.00300	0.00500		mg/L	1	06/10/24 12:39 PM
Lead	0.000435	0.000300	0.00100	J	mg/L	1	06/10/24 12:39 PM
Lithium	0.00566	0.00500	0.0100	J	mg/L	1	06/10/24 12:39 PM
Molybdenum	0.00565	0.00200	0.00500		mg/L	1	06/10/24 12:39 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/10/24 12:39 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/10/24 12:39 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/05/24 11:27 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	43.8	0.300	1.00		mg/L	1	06/05/24 02:27 AM
Fluoride	0.451	0.100	0.400		mg/L	1	06/05/24 02:27 AM
Sulfate	34.8	1.00	3.00	C	mg/L	1	06/05/24 02:27 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	410	10.0	10.0	C	mg/L	1	06/04/24 02:30 PM

Qualifiers:

- ND - Not Detected at the SDL
- J - Analyte detected between SDL and RL
- B - Analyte detected in the associated Method Blank
- DF- Dilution Factor
- N - Parameter not NELAP certified
- See Final Page of Report for MQLs and MDLs
- S - Spike Recovery outside control limits
- C - Sample Result or QC discussed in Case Narrative
- RL - Reporting Limit (MQL adjusted for moisture and sample size)
- SDL - Sample Detection Limit
- E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Jul-24*

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_240416A

Sample ID: **DCS-114968**	Batch ID: **114968**	TestNo: **SW7470A**	Units: **mg/L**		
SampType: **DCS**	Run ID: **CETAC2_HG_240416A**	Analysis Date: **4/16/2024 10:05:58 AM**	Prep Date: **4/15/2024**		

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.000189	0.000200	0.000200	0	94.5	82	119	0	0	

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified	

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_240604B

The QC data in batch 115648 applies to the following samples: 2406007-01A, 2406007-02A, 2406007-03A, 2406007-04A, 2406007-05A, 2406007-06A, 2406007-07A, 2406007-08A, 2406007-09A

Sample ID: **MB-115648** Batch ID: **115648** TestNo: **SW7470A** Units: **mg/L**
SampType: **MBLK** Run ID: **CETAC2_HG_240604B** Analysis Date: **6/4/2024 3:03:36 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	<0.0000800	0.000200								

Sample ID: **LCS-115648** Batch ID: **115648** TestNo: **SW7470A** Units: **mg/L**
SampType: **LCS** Run ID: **CETAC2_HG_240604B** Analysis Date: **6/4/2024 3:05:52 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00188	0.000200	0.00200	0	94.0	85	115			

Sample ID: **LCSD-115648** Batch ID: **115648** TestNo: **SW7470A** Units: **mg/L**
SampType: **LCSD** Run ID: **CETAC2_HG_240604B** Analysis Date: **6/4/2024 3:08:08 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00186	0.000200	0.00200	0	93.0	85	115	1.07	15	

Sample ID: **2406007-02AMS** Batch ID: **115648** TestNo: **SW7470A** Units: **mg/L**
SampType: **MS** Run ID: **CETAC2_HG_240604B** Analysis Date: **6/4/2024 4:11:34 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00173	0.000200	0.00200	0	86.5	80	120			

Sample ID: **2406007-02AMSD** Batch ID: **115648** TestNo: **SW7470A** Units: **mg/L**
SampType: **MSD** Run ID: **CETAC2_HG_240604B** Analysis Date: **6/4/2024 4:13:51 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00170	0.000200	0.00200	0	85.0	80	120	1.75	15	

Sample ID: **2406007-02ASD** Batch ID: **115648** TestNo: **SW7470A** Units: **mg/L**
SampType: **SD** Run ID: **CETAC2_HG_240604B** Analysis Date: **6/4/2024 4:16:07 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	<0.000400	0.00100	0	0				0	10	

Sample ID: **2406007-02APDS** Batch ID: **115648** TestNo: **SW7470A** Units: **mg/L**
SampType: **PDS** Run ID: **CETAC2_HG_240604B** Analysis Date: **6/4/2024 4:18:24 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00212	0.000200	0.00250	0	84.8	85	115			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_240604B

Sample ID: **ICV-240604**	Batch ID: **R133375**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **ICV**	Run ID: **CETAC2_HG_240604B**	Analysis Date: **6/4/2024 2:31:47 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00395	0.000200	0.00400	0	98.8	90	110			

Sample ID: **CCV1-240604**	Batch ID: **R133375**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_240604B**	Analysis Date: **6/4/2024 2:59:02 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00212	0.000200	0.00200	0	106	90	110			

Sample ID: **CCV2-240604**	Batch ID: **R133375**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_240604B**	Analysis Date: **6/4/2024 3:39:35 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00195	0.000200	0.00200	0	97.5	90	110			

Sample ID: **CCV3-240604**	Batch ID: **R133375**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_240604B**	Analysis Date: **6/4/2024 4:36:40 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00195	0.000200	0.00200	0	97.5	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_240605A

The QC data in batch 115649 applies to the following samples: 2406007-10A

Sample ID: **MB-115649**	Batch ID: **115649**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **MBLK**	Run ID: **CETAC2_HG_240605A**	Analysis Date: **6/5/2024 11:15:46 AM**	Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	<0.0000800	0.000200								

Sample ID: **LCS-115649**	Batch ID: **115649**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **LCS**	Run ID: **CETAC2_HG_240605A**	Analysis Date: **6/5/2024 11:22:34 AM**	Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00192	0.000200	0.00200	0	96.0	85	115			

Sample ID: **LCSD-115649**	Batch ID: **115649**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **LCSD**	Run ID: **CETAC2_HG_240605A**	Analysis Date: **6/5/2024 11:24:51 AM**	Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00190	0.000200	0.00200	0	95.0	85	115	1.05	15	

Sample ID: **2405335-02BMS**	Batch ID: **115649**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **MS**	Run ID: **CETAC2_HG_240605A**	Analysis Date: **6/5/2024 11:40:41 AM**	Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00190	0.000200	0.00200	0	95.0	80	120			

Sample ID: **2405335-02BMSD**	Batch ID: **115649**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **MSD**	Run ID: **CETAC2_HG_240605A**	Analysis Date: **6/5/2024 11:42:56 AM**	Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00189	0.000200	0.00200	0	94.5	80	120	0.528	15	

Sample ID: **2405335-02BSD**	Batch ID: **115649**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **SD**	Run ID: **CETAC2_HG_240605A**	Analysis Date: **6/5/2024 11:45:12 AM**	Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	<0.000400	0.00100	0	0				0	10	

Sample ID: **2405335-02BPDS**	Batch ID: **115649**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **PDS**	Run ID: **CETAC2_HG_240605A**	Analysis Date: **6/5/2024 11:47:29 AM**	Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00231	0.000200	0.00250	0	92.4	85	115			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_240605A

Sample ID: **ICV-240605**	Batch ID: **R133397**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **ICV**	Run ID: **CETAC2_HG_240605A**	Analysis Date: **6/5/2024 11:11:12 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00395	0.000200	0.00400	0	98.8	90	110			

Sample ID: **CCV1-240605**	Batch ID: **R133397**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_240605A**	Analysis Date: **6/5/2024 11:58:51 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00201	0.000200	0.00200	0	101	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_240606B

Sample ID: **DCS2-115670**	Batch ID: **115670**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS2**	Run ID: **ICP-MS4_240606B**	Analysis Date: **6/6/2024 9:52:00 AM**	Prep Date: **6/5/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.270	0.300	0.300	0	90.2	70	130	0	0	

Sample ID: **DCS4-115670**	Batch ID: **115670**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS4**	Run ID: **ICP-MS4_240606B**	Analysis Date: **6/6/2024 9:57:00 AM**	Prep Date: **6/5/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0298	0.0300	0.0300	0	99.4	70	130	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_240610B

The QC data in batch 115709 applies to the following samples: 2406007-01A, 2406007-02A, 2406007-03A, 2406007-04A, 2406007-05A, 2406007-06A, 2406007-07A, 2406007-08A, 2406007-09A, 2406007-10A

Sample ID: **MB-115709** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **MBLK** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 1:25:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	<0.0100	0.0300								

Sample ID: **LCS-115709** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCS** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 1:28:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.193	0.0300	0.200	0	96.6	80	120			

Sample ID: **LCSD-115709** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCSD** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 1:30:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.204	0.0300	0.200	0	102	80	120	5.47	15	

Sample ID: **2406007-07A SD** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **SD** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 1:36:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	2.66	1.50	0	2.24				17.1	20	
Calcium	62.8	15.0	0	63.4				1.08	20	

Sample ID: **2406007-07A PDS** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **PDS** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 1:56:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	4.13	0.300	2.00	2.24	94.7	75	125			
Calcium	116	3.00	50.0	63.4	105	75	125			

Sample ID: **2406007-07A MS** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **MS** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 1:58:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	2.49	0.300	0.200	2.24	125	75	125			
Calcium	66.2	3.00	5.00	63.4	55.6	75	125			S

Sample ID: **2406007-07A MSD** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **MSD** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 2:00:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_240610B

Sample ID: **2406007-07A MSD** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **MSD** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 2:00:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	2.45	0.300	0.200	2.24	107	75	125	1.46	15	
Calcium	67.9	3.00	5.00	63.4	88.1	75	125	2.43	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_240610B

Sample ID: **ICV-240610** Batch ID: **R133485** TestNo: **SW6020B** Units: **mg/L**
SampType: **ICV** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 9:27:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.103	0.0300	0.100	0	103	90	110			
Calcium	2.57	0.300	2.50	0	103	90	110			

Sample ID: **LCVL-240610** Batch ID: **R133485** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCVL** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 9:35:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0208	0.0300	0.0200	0	104	80	120			
Calcium	0.0936	0.300	0.100	0	93.6	80	120			

Sample ID: **CCV5-240610** Batch ID: **R133485** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 12:49:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.197	0.0300	0.200	0	98.6	90	110			
Calcium	4.92	0.300	5.00	0	98.4	90	110			

Sample ID: **CCV6-240610** Batch ID: **R133485** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 2:03:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.206	0.0300	0.200	0	103	90	110			
Calcium	4.93	0.300	5.00	0	98.6	90	110			

Sample ID: **CCV7-240610** Batch ID: **R133485** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 2:36:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.194	0.0300	0.200	0	97.1	90	110			

Sample ID: **CCV8-240610** Batch ID: **R133485** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS4_240610B** Analysis Date: **6/10/2024 2:57:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.201	0.0300	0.200	0	101	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_240606A

Sample ID: **DCS1-115670**	Batch ID: **115670**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS**	Run ID: **ICP-MS5_240606A**	Analysis Date: **6/6/2024 10:16:00 AM**	Prep Date: **6/5/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.000866	0.00250	0.00100	0	86.6	70	130	0	0	
Beryllium	0.000511	0.00100	0.000500	0	102	70	130	0	0	
Cadmium	0.000503	0.00100	0.000500	0	101	70	130	0	0	
Lead	0.000485	0.00100	0.000500	0	97.0	70	130	0	0	
Thallium	0.000538	0.00150	0.000500	0	108	70	130	0	0	

Sample ID: **DCS2-115670**	Batch ID: **115670**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS2**	Run ID: **ICP-MS5_240606A**	Analysis Date: **6/6/2024 10:20:00 AM**	Prep Date: **6/5/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.301	0.300	0.300	0	100	70	130	0	0	

Sample ID: **DCS3-115670**	Batch ID: **115670**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS3**	Run ID: **ICP-MS5_240606A**	Analysis Date: **6/6/2024 10:22:00 AM**	Prep Date: **6/5/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.00487	0.00500	0.00500	0	97.4	70	130	0	0	
Barium	0.00503	0.0100	0.00500	0	101	70	130	0	0	
Chromium	0.00496	0.00500	0.00500	0	99.2	70	130	0	0	
Cobalt	0.00489	0.00500	0.00500	0	97.8	70	130	0	0	
Lithium	0.00467	0.0100	0.00500	0	93.4	70	130	0	0	
Molybdenum	0.00496	0.00500	0.00500	0	99.3	70	130	0	0	
Selenium	0.00461	0.00500	0.00500	0	92.2	70	130	0	0	

Qualifiers:			
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_240610A

The QC data in batch 115709 applies to the following samples: 2406007-01A, 2406007-02A, 2406007-03A, 2406007-04A, 2406007-05A, 2406007-06A, 2406007-07A, 2406007-08A, 2406007-09A, 2406007-10A

Sample ID: **MB-115709** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **MBLK** Run ID: **ICP-MS5_240610A** Analysis Date: **6/10/2024 12:03:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	<0.000800	0.00250								
Arsenic	<0.00200	0.00500								
Barium	<0.00300	0.0100								
Beryllium	<0.000300	0.00100								
Cadmium	<0.000300	0.00100								
Calcium	<0.100	0.300								
Chromium	<0.00200	0.00500								
Cobalt	<0.00300	0.00500								
Lead	<0.000300	0.00100								
Lithium	<0.00500	0.0100								
Molybdenum	<0.00200	0.00500								
Selenium	<0.00200	0.00500								
Thallium	<0.000500	0.00150								

Sample ID: **LCS-115709** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCS** Run ID: **ICP-MS5_240610A** Analysis Date: **6/10/2024 12:06:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.195	0.00250	0.200	0	97.6	80	120			
Arsenic	0.195	0.00500	0.200	0	97.7	80	120			
Barium	0.195	0.0100	0.200	0	97.4	80	120			
Beryllium	0.188	0.00100	0.200	0	93.8	80	120			
Cadmium	0.193	0.00100	0.200	0	96.5	80	120			
Calcium	4.98	0.300	5.00	0	99.7	80	120			
Chromium	0.194	0.00500	0.200	0	97.1	80	120			
Cobalt	0.197	0.00500	0.200	0	98.6	80	120			
Lead	0.192	0.00100	0.200	0	96.2	80	120			
Lithium	0.191	0.0100	0.200	0	95.7	80	120			
Molybdenum	0.196	0.00500	0.200	0	97.9	80	120			
Selenium	0.198	0.00500	0.200	0	99.2	80	120			
Thallium	0.191	0.00150	0.200	0	95.4	80	120			

Sample ID: **LCSD-115709** Batch ID: **115709** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCSD** Run ID: **ICP-MS5_240610A** Analysis Date: **6/10/2024 12:08:00 PM** Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.196	0.00250	0.200	0	98.0	80	120	0.402	15	
Arsenic	0.197	0.00500	0.200	0	98.4	80	120	0.703	15	
Barium	0.194	0.0100	0.200	0	97.2	80	120	0.221	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_240610A

Sample ID: **LCSD-115709**	Batch ID: **115709**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCSD**	Run ID: **ICP-MS5_240610A**	Analysis Date: **6/10/2024 12:08:00 PM**	Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Beryllium	0.186	0.00100	0.200	0	93.1	80	120	0.786	15	
Cadmium	0.194	0.00100	0.200	0	97.0	80	120	0.554	15	
Calcium	4.91	0.300	5.00	0	98.2	80	120	1.49	15	
Chromium	0.194	0.00500	0.200	0	97.2	80	120	0.065	15	
Cobalt	0.197	0.00500	0.200	0	98.7	80	120	0.163	15	
Lead	0.194	0.00100	0.200	0	96.8	80	120	0.639	15	
Lithium	0.190	0.0100	0.200	0	95.0	80	120	0.669	15	
Molybdenum	0.197	0.00500	0.200	0	98.5	80	120	0.630	15	
Selenium	0.199	0.00500	0.200	0	99.6	80	120	0.409	15	
Thallium	0.192	0.00150	0.200	0	96.1	80	120	0.677	15	

Sample ID: **2406007-07A SD**	Batch ID: **115709**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **SD**	Run ID: **ICP-MS5_240610A**	Analysis Date: **6/10/2024 12:16:00 PM**	Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	<0.00400	0.0125	0	0				0	20	
Arsenic	<0.0100	0.0250	0	0.00919				0	20	
Barium	0.0664	0.0500	0	0.0670				0.841	20	
Beryllium	<0.00150	0.00500	0	0				0	20	
Cadmium	<0.00150	0.00500	0	0				0	20	
Chromium	<0.0100	0.0250	0	0				0	20	
Cobalt	<0.0150	0.0250	0	0				0	20	
Lead	<0.00150	0.00500	0	0				0	20	
Lithium	<0.0250	0.0500	0	0.0115				0	20	
Molybdenum	0.0373	0.0250	0	0.0376				0.937	20	
Selenium	<0.0100	0.0250	0	0				0	20	
Thallium	<0.00250	0.00750	0	0				0	20	

Sample ID: **2406007-07A PDS**	Batch ID: **115709**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **PDS**	Run ID: **ICP-MS5_240610A**	Analysis Date: **6/10/2024 12:42:00 PM**	Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.195	0.00250	0.200	0	97.4	75	125			
Arsenic	0.198	0.00500	0.200	0.00919	94.6	75	125			
Barium	0.259	0.0100	0.200	0.0670	96.0	75	125			
Beryllium	0.188	0.00100	0.200	0	94.0	75	125			
Cadmium	0.195	0.00100	0.200	0	97.6	75	125			
Chromium	0.198	0.00500	0.200	0	99.2	75	125			
Cobalt	0.193	0.00500	0.200	0	96.3	75	125			
Lead	0.191	0.00100	0.200	0	95.3	75	125			
Lithium	0.206	0.0100	0.200	0.0115	97.3	75	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_240610A

Sample ID: **2406007-07A PDS**	Batch ID: **115709**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **PDS**	Run ID: **ICP-MS5_240610A**	Analysis Date: **6/10/2024 12:42:00 PM**	Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Molybdenum	0.228	0.00500	0.200	0.0376	95.4	75	125			
Selenium	0.183	0.00500	0.200	0	91.4	75	125			
Thallium	0.190	0.00150	0.200	0	95.2	75	125			

Sample ID: **2406007-07A MS**	Batch ID: **115709**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MS**	Run ID: **ICP-MS5_240610A**	Analysis Date: **6/10/2024 12:45:00 PM**	Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.195	0.00250	0.200	0	97.6	75	125			
Arsenic	0.198	0.00500	0.200	0.00919	94.5	75	125			
Barium	0.259	0.0100	0.200	0.0670	96.1	75	125			
Beryllium	0.185	0.00100	0.200	0	92.6	75	125			
Cadmium	0.193	0.00100	0.200	0	96.5	75	125			
Chromium	0.192	0.00500	0.200	0	96.1	75	125			
Cobalt	0.190	0.00500	0.200	0	95.0	75	125			
Lead	0.189	0.00100	0.200	0	94.7	75	125			
Lithium	0.202	0.0100	0.200	0.0115	95.4	75	125			
Molybdenum	0.233	0.00500	0.200	0.0376	97.9	75	125			
Selenium	0.186	0.00500	0.200	0	92.8	75	125			
Thallium	0.188	0.00150	0.200	0	94.1	75	125			

Sample ID: **2406007-07A MSD**	Batch ID: **115709**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MSD**	Run ID: **ICP-MS5_240610A**	Analysis Date: **6/10/2024 12:48:00 PM**	Prep Date: **6/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.197	0.00250	0.200	0	98.6	75	125	1.02	15	
Arsenic	0.199	0.00500	0.200	0.00919	94.9	75	125	0.427	15	
Barium	0.263	0.0100	0.200	0.0670	98.0	75	125	1.43	15	
Beryllium	0.185	0.00100	0.200	0	92.5	75	125	0.131	15	
Cadmium	0.193	0.00100	0.200	0	96.7	75	125	0.211	15	
Chromium	0.193	0.00500	0.200	0	96.5	75	125	0.371	15	
Cobalt	0.192	0.00500	0.200	0	96.2	75	125	1.24	15	
Lead	0.190	0.00100	0.200	0	95.1	75	125	0.491	15	
Lithium	0.201	0.0100	0.200	0.0115	94.7	75	125	0.627	15	
Molybdenum	0.235	0.00500	0.200	0.0376	98.7	75	125	0.697	15	
Selenium	0.186	0.00500	0.200	0	92.9	75	125	0.171	15	
Thallium	0.189	0.00150	0.200	0	94.5	75	125	0.470	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_240610A

Sample ID: **ICV-240610**	Batch ID: **R133480**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS5_240610A**	Analysis Date: **6/10/2024 10:04:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.100	0.00250	0.100	0	100	90	110			
Arsenic	0.101	0.00500	0.100	0	101	90	110			
Barium	0.101	0.0100	0.100	0	101	90	110			
Beryllium	0.0978	0.00100	0.100	0	97.8	90	110			
Cadmium	0.101	0.00100	0.100	0	101	90	110			
Calcium	2.71	0.300	2.50	0	108	90	110			
Chromium	0.101	0.00500	0.100	0	101	90	110			
Cobalt	0.102	0.00500	0.100	0	102	90	110			
Lead	0.0985	0.00100	0.100	0	98.5	90	110			
Lithium	0.0994	0.0100	0.100	0	99.4	90	110			
Molybdenum	0.0976	0.00500	0.100	0	97.6	90	110			
Selenium	0.102	0.00500	0.100	0	102	90	110			
Thallium	0.0964	0.00150	0.100	0	96.4	90	110			

Sample ID: **LCVL-240610**	Batch ID: **R133480**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS5_240610A**	Analysis Date: **6/10/2024 10:23:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.00163	0.00250	0.00200	0	81.4	80	120			
Arsenic	0.00514	0.00500	0.00500	0	103	80	120			
Barium	0.00512	0.0100	0.00500	0	102	80	120			
Beryllium	0.000995	0.00100	0.00100	0	99.5	80	120			
Cadmium	0.00105	0.00100	0.00100	0	105	80	120			
Calcium	0.0957	0.300	0.100	0	95.7	80	120			
Chromium	0.00511	0.00500	0.00500	0	102	80	120			
Cobalt	0.00519	0.00500	0.00500	0	104	80	120			
Lead	0.000970	0.00100	0.00100	0	97.0	80	120			
Lithium	0.0101	0.0100	0.0100	0	101	80	120			
Molybdenum	0.00506	0.00500	0.00500	0	101	80	120			
Selenium	0.00511	0.00500	0.00500	0	102	80	120			
Thallium	0.000917	0.00150	0.00100	0	91.7	80	120			

Sample ID: **CCV2-240610**	Batch ID: **R133480**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS5_240610A**	Analysis Date: **6/10/2024 11:57:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.197	0.00250	0.200	0	98.3	90	110			
Arsenic	0.198	0.00500	0.200	0	98.8	90	110			
Barium	0.195	0.0100	0.200	0	97.7	90	110			
Beryllium	0.185	0.00100	0.200	0	92.6	90	110			
Cadmium	0.195	0.00100	0.200	0	97.5	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL
DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_240610A

Sample ID: **CCV2-240610** Batch ID: **R133480** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS5_240610A** Analysis Date: **6/10/2024 11:57:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.98	0.300	5.00	0	99.7	90	110			
Chromium	0.194	0.00500	0.200	0	97.2	90	110			
Cobalt	0.199	0.00500	0.200	0	99.7	90	110			
Lead	0.193	0.00100	0.200	0	96.7	90	110			
Lithium	0.189	0.0100	0.200	0	94.5	90	110			
Molybdenum	0.197	0.00500	0.200	0	98.7	90	110			
Selenium	0.196	0.00500	0.200	0	98.1	90	110			
Thallium	0.191	0.00150	0.200	0	95.7	90	110			

Sample ID: **CCV3-240610** Batch ID: **R133480** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS5_240610A** Analysis Date: **6/10/2024 12:51:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.200	0.00250	0.200	0	99.8	90	110			
Arsenic	0.198	0.00500	0.200	0	99.1	90	110			
Barium	0.197	0.0100	0.200	0	98.6	90	110			
Beryllium	0.189	0.00100	0.200	0	94.7	90	110			
Cadmium	0.199	0.00100	0.200	0	99.4	90	110			
Calcium	5.04	0.300	5.00	0	101	90	110			
Chromium	0.198	0.00500	0.200	0	99.2	90	110			
Cobalt	0.201	0.00500	0.200	0	101	90	110			
Lead	0.193	0.00100	0.200	0	96.5	90	110			
Lithium	0.194	0.0100	0.200	0	97.2	90	110			
Molybdenum	0.201	0.00500	0.200	0	100	90	110			
Selenium	0.202	0.00500	0.200	0	101	90	110			
Thallium	0.191	0.00150	0.200	0	95.6	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_240604A

The QC data in batch 115659 applies to the following samples: 2406007-01B, 2406007-02B, 2406007-03B, 2406007-04B, 2406007-05B, 2406007-06B, 2406007-07B, 2406007-08B, 2406007-09B, 2406007-10B

Sample ID: **DCS3-115659** Batch ID: **115659** TestNo: **E300** Units: **mg/L**
SampType: **DCS3** Run ID: **IC4_240604A** Analysis Date: **6/4/2024 12:05:12 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	0.846	1.00	1.000	0	84.6	70	130			
Fluoride	0.332	0.400	0.4000	0	83.0	70	130			
Sulfate	2.48	3.00	3.000	0	82.6	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_240604B

The QC data in batch 115659 applies to the following samples: 2406007-01B, 2406007-02B, 2406007-03B, 2406007-04B, 2406007-05B, 2406007-06B, 2406007-07B, 2406007-08B, 2406007-09B, 2406007-10B

Sample ID: **MB-115659** Batch ID: **115659** TestNo: **E300** Units: **mg/L**
SampType: **MBLK** Run ID: **IC4_240604B** Analysis Date: **6/4/2024 10:30:12 AM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	<0.300	1.00								
Fluoride	<0.100	0.400								
Sulfate	<1.00	3.00								

Sample ID: **LCS-115659** Batch ID: **115659** TestNo: **E300** Units: **mg/L**
SampType: **LCS** Run ID: **IC4_240604B** Analysis Date: **6/4/2024 10:49:12 AM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.4	1.00	10.00	0	104	90	110			
Fluoride	3.93	0.400	4.000	0	98.1	90	110			
Sulfate	30.3	3.00	30.00	0	101	90	110			

Sample ID: **LCSD-115659** Batch ID: **115659** TestNo: **E300** Units: **mg/L**
SampType: **LCSD** Run ID: **IC4_240604B** Analysis Date: **6/4/2024 11:08:12 AM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.3	1.00	10.00	0	103	90	110	0.607	20	
Fluoride	3.90	0.400	4.000	0	97.5	90	110	0.645	20	
Sulfate	30.1	3.00	30.00	0	100	90	110	0.550	20	

Sample ID: **2406009-01CMS** Batch ID: **115659** TestNo: **E300** Units: **mg/L**
SampType: **MS** Run ID: **IC4_240604B** Analysis Date: **6/4/2024 1:14:01 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	30.6	1.00	20.00	8.629	110	90	110			
Fluoride	19.7	0.400	20.00	0	98.6	90	110			
Sulfate	29.5	3.00	20.00	10.04	97.3	90	110			

Sample ID: **2406009-01CMSD** Batch ID: **115659** TestNo: **E300** Units: **mg/L**
SampType: **MSD** Run ID: **IC4_240604B** Analysis Date: **6/4/2024 1:33:01 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	30.6	1.00	20.00	8.629	110	90	110	0.059	20	
Fluoride	19.8	0.400	20.00	0	98.8	90	110	0.221	20	
Sulfate	29.5	3.00	20.00	10.04	97.1	90	110	0.124	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_240604B

Sample ID: **2406007-01BMS**	Batch ID: **115659**	TestNo: **E300**	Units: **mg/L**
SampType: **MS**	Run ID: **IC4_240604B**	Analysis Date: **6/4/2024 5:35:56 PM**	Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	257	10.0	200.0	49.61	104	90	110			
Fluoride	191	4.00	200.0	1.157	94.8	90	110			
Sulfate	259	30.0	200.0	68.00	95.3	90	110			

Sample ID: **2406007-01BMSD**	Batch ID: **115659**	TestNo: **E300**	Units: **mg/L**
SampType: **MSD**	Run ID: **IC4_240604B**	Analysis Date: **6/4/2024 5:54:56 PM**	Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	257	10.0	200.0	49.61	104	90	110	0.210	20	
Fluoride	193	4.00	200.0	1.157	95.7	90	110	0.930	20	
Sulfate	259	30.0	200.0	68.00	95.6	90	110	0.229	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_240604B

Sample ID: **ICV-240604**	Batch ID: **R133400**	TestNo: **E300**	Units: **mg/L**
SampType: **ICV**	Run ID: **IC4_240604B**	Analysis Date: **6/4/2024 9:52:12 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	26.2	1.00	25.00	0	105	90	110			
Fluoride	10.1	0.400	10.00	0	101	90	110			
Sulfate	77.6	3.00	75.00	0	103	90	110			

Sample ID: **CCV1-240604**	Batch ID: **R133400**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC4_240604B**	Analysis Date: **6/4/2024 2:11:01 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.3	1.00	10.00	0	103	90	110			
Fluoride	3.90	0.400	4.000	0	97.6	90	110			
Sulfate	30.0	3.00	30.00	0	100	90	110			

Sample ID: **CCV2-240604**	Batch ID: **R133400**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC4_240604B**	Analysis Date: **6/4/2024 8:26:56 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.3	1.00	10.00	0	103	90	110			
Fluoride	3.87	0.400	4.000	0	96.8	90	110			
Sulfate	30.1	3.00	30.00	0	100	90	110			

Sample ID: **CCV3-240604**	Batch ID: **R133400**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC4_240604B**	Analysis Date: **6/5/2024 12:52:56 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.4	1.00	10.00	0	104	90	110			
Fluoride	3.89	0.400	4.000	0	97.3	90	110			
Sulfate	30.0	3.00	30.00	0	100	90	110			

Sample ID: **CCV4-240604**	Batch ID: **R133400**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC4_240604B**	Analysis Date: **6/5/2024 3:43:56 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.4	1.00	10.00	0	104	90	110			
Fluoride	3.91	0.400	4.000	0	97.8	90	110			
Sulfate	30.1	3.00	30.00	0	100	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

ANALYTICAL QC SUMMARY REPORT

RunID: WC_240604C

The QC data in batch 115653 applies to the following samples: 2406007-01B, 2406007-02B, 2406007-03B, 2406007-04B, 2406007-05B, 2406007-06B, 2406007-07B, 2406007-08B, 2406007-09B, 2406007-10B

Sample ID: **MB-115653** Batch ID: **115653** TestNo: **M2540C** Units: **mg/L**
SampType: **MBLK** Run ID: **WC_240604C** Analysis Date: **6/4/2024 2:30:00 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	<10.0	10.0								

Sample ID: **LCS-115653** Batch ID: **115653** TestNo: **M2540C** Units: **mg/L**
SampType: **LCS** Run ID: **WC_240604C** Analysis Date: **6/4/2024 2:30:00 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	736	10.0	745.6	0	98.7	90	113			

Sample ID: **2405343-02D-DUP** Batch ID: **115653** TestNo: **M2540C** Units: **mg/L**
SampType: **DUP** Run ID: **WC_240604C** Analysis Date: **6/4/2024 2:30:00 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	2770	50.0	0	2730				1.27	5	

Sample ID: **2405344-02D-DUP** Batch ID: **115653** TestNo: **M2540C** Units: **mg/L**
SampType: **DUP** Run ID: **WC_240604C** Analysis Date: **6/4/2024 2:30:00 PM** Prep Date: **6/4/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	2230	50.0	0	2395				7.14	5	R

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2406007
Project: Coleto Creek - CCR Sampling

MQL SUMMARY REPORT

TestNo: E300	MDL	MQL
Analyte	**mg/L**	**mg/L**
Chloride	0.300	1.00
Fluoride	0.100	0.400
Sulfate	1.00	3.00

TestNo: SW6020B	MDL	MQL
Analyte	**mg/L**	**mg/L**
Antimony	0.000800	0.00250
Arsenic	0.00200	0.00500
Barium	0.00300	0.0100
Beryllium	0.000300	0.00100
Boron	0.0100	0.0300
Cadmium	0.000300	0.00100
Calcium	0.100	0.300
Chromium	0.00200	0.00500
Cobalt	0.00300	0.00500
Lead	0.000300	0.00100
Lithium	0.00500	0.0100
Molybdenum	0.00200	0.00500
Selenium	0.00200	0.00500
Thallium	0.000500	0.00150

TestNo: SW7470A	MDL	MQL
Analyte	**mg/L**	**mg/L**
Mercury	0.0000800	0.000200

TestNo: M2540C	MDL	MQL
Analyte	**mg/L**	**mg/L**
Total Dissolved Solids (Residue, Filt	10.0	10.0

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

ANALYTICAL REPORT

June 28, 2024

DHL Analytical, Inc.

Sample Delivery Group:	L1743829
Samples Received:	06/06/2024
Project Number:	2406007
Description:	

Report To: John DuPont
2300 Double Creek Drive
Round Rock, TX 78664

Entire Report Reviewed By: Haley Torrence

Haley Torrence
Project Manager

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

TABLE OF CONTENTS

MW-10 L1743829-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/29/24 08:45	06/06/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2300195	1	06/10/24 17:17	06/20/24 21:57	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2303345	1	06/12/24 13:01	06/20/24 21:57	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2303345	1	06/12/24 13:01	06/17/24 22:33	ZRG	Mt. Juliet, TN

BV-5 L1743829-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/29/24 09:45	06/06/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2300195	1	06/10/24 17:17	06/20/24 21:57	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2303345	1	06/12/24 13:01	06/20/24 21:57	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2303345	1	06/12/24 13:01	06/17/24 22:33	ZRG	Mt. Juliet, TN

MW-5 L1743829-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/29/24 10:40	06/06/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2300195	1	06/10/24 17:17	06/20/24 21:57	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2303345	1	06/12/24 13:01	06/20/24 21:57	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2303345	1	06/12/24 13:01	06/17/24 22:34	ZRG	Mt. Juliet, TN

MW-9 L1743829-04 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/29/24 11:35	06/06/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2300195	1	06/10/24 17:17	06/20/24 21:57	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2303345	1	06/12/24 13:01	06/20/24 21:57	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2303345	1	06/12/24 13:01	06/17/24 22:34	ZRG	Mt. Juliet, TN

DUP-1 L1743829-05 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/29/24 11:35	06/06/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2300195	1	06/10/24 17:17	06/20/24 21:57	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2303345	1	06/12/24 13:01	06/20/24 21:57	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2303345	1	06/12/24 13:01	06/17/24 22:34	ZRG	Mt. Juliet, TN

MW-11 L1743829-06 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/29/24 12:35	06/06/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2300195	1	06/10/24 17:17	06/20/24 21:57	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2303345	1	06/12/24 13:01	06/20/24 21:57	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2303345	1	06/12/24 13:01	06/17/24 22:34	ZRG	Mt. Juliet, TN

MW-6 L1743829-07 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/29/24 14:40	06/06/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2303006	1	06/12/24 13:09	06/15/24 15:27	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2303345	1	06/12/24 13:01	06/17/24 22:34	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2303345	1	06/12/24 13:01	06/17/24 22:34	ZRG	Mt. Juliet, TN

MW-4 L1743829-08 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/29/24 15:45	06/06/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2303006	1	06/12/24 13:09	06/15/24 15:27	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2303345	1	06/12/24 13:01	06/17/24 22:34	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2303345	1	06/12/24 13:01	06/17/24 22:34	ZRG	Mt. Juliet, TN

MW-8 L1743829-09 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/30/24 07:50	06/06/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2303006	1	06/12/24 13:09	06/15/24 15:27	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2303345	1	06/12/24 13:01	06/17/24 22:34	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2303345	1	06/12/24 13:01	06/17/24 22:34	ZRG	Mt. Juliet, TN

BV-21 L1743829-10 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/30/24 08:45	06/06/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2303006	1	06/12/24 13:09	06/18/24 22:32	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2303345	1	06/12/24 13:01	06/18/24 22:32	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2303345	1	06/12/24 13:01	06/17/24 22:34	ZRG	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 radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Haley Torrence
Project Manager

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.18		0.291	0.408	0.522	0.275	06/20/2024 21:57	WG2300195
(T) Barium	*75.0*					*30.0-143*	*06/20/2024 21:57*	WG2300195
(T) Yttrium	*99.9*					*30.0-136*	*06/20/2024 21:57*	WG2300195

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.85		0.422	0.573	06/20/2024 21:57	WG2303345

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.672		0.305	0.145	0.237	0.166	06/17/2024 22:33	WG2303345
(T) Barium-133	*93.6*					*30.0-143*	*06/17/2024 22:33*	WG2303345

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

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	-0.106	U	0.381	0.536	0.746	0.394	06/20/2024 21:57	WG2300195
(T) Barium	*50.5*					*30.0-143*	*06/20/2024 21:57*	WG2300195
(T) Yttrium	*103*					*30.0-136*	*06/20/2024 21:57*	WG2300195

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.316	U	0.477	0.827	06/20/2024 21:57	WG2303345

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.316	J	0.287	0.106	0.357	0.241	06/17/2024 22:33	WG2303345
(T) Barium-133	*78.3*					*30.0-143*	*06/17/2024 22:33*	WG2303345

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

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	-0.560	U	0.249	0.359	0.504	0.265	06/20/2024 21:57	WG2300195
(T) Barium	*82.8*					*30.0-143*	*06/20/2024 21:57*	WG2300195
(T) Yttrium	*114*					*30.0-136*	*06/20/2024 21:57*	WG2300195

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.165	U	0.382	0.670	06/20/2024 21:57	WG2303345

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.165	J	0.290	0.108	0.442	0.291	06/17/2024 22:34	WG2303345
(T) Barium-133	*84.7*					*30.0-143*	*06/17/2024 22:34*	WG2303345

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

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.690	J	0.438	0.602	0.826	0.437	06/20/2024 21:57	WG2300195
(T) Barium	*48.0*					*30.0-143*	*06/20/2024 21:57*	WG2300195
(T) Yttrium	*92.6*					*30.0-136*	*06/20/2024 21:57*	WG2300195

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.28		0.564	0.899	06/20/2024 21:57	WG2303345

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.587		0.356	0.156	0.355	0.242	06/17/2024 22:34	WG2303345
(T) Barium-133	*89.4*					*30.0-143*	*06/17/2024 22:34*	WG2303345

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

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.08		0.301	0.421	0.546	0.287	06/20/2024 21:57	WG2300195
(T) Barium	*72.0*					*30.0-143*	*06/20/2024 21:57*	WG2300195
(T) Yttrium	*100*					*30.0-136*	*06/20/2024 21:57*	WG2300195

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.38		0.408	0.645	06/20/2024 21:57	WG2303345

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.298	J	0.276	0.120	0.344	0.236	06/17/2024 22:34	WG2303345
(T) Barium-133	*91.8*					*30.0-143*	*06/17/2024 22:34*	WG2303345

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.19		0.423	0.531	0.779	0.407	06/20/2024 21:57	WG2300195
(T) Barium	*88.0*					*30.0-143*	*06/20/2024 21:57*	WG2300195
(T) Yttrium	*95.9*					*30.0-136*	*06/20/2024 21:57*	WG2300195

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.41		0.546	0.930	06/20/2024 21:57	WG2303345

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.227	J	0.345	0.113	0.508	0.332	06/17/2024 22:34	WG2303345
(T) Barium-133	*74.2*					*30.0-143*	*06/17/2024 22:34*	WG2303345

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	-0.786	U	0.336	0.446	0.639	0.333	06/15/2024 15:27	WG2303006
(T) Barium	*88.6*					*30.0-143*	*06/15/2024 15:27*	WG2303006
(T) Yttrium	*91.6*					*30.0-136*	*06/15/2024 15:27*	WG2303006

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.186	U	0.455	0.789	06/17/2024 22:34	WG2303345

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.186	J	0.307	0.108	0.463	0.306	06/17/2024 22:34	WG2303345
(T) Barium-133	*79.6*					*30.0-143*	*06/17/2024 22:34*	WG2303345

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

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	-0.499	U	0.272	0.383	0.522	0.274	06/15/2024 15:27	WG2303006
(T) Barium	*82.2*					*30.0-143*	*06/15/2024 15:27*	WG2303006
(T) Yttrium	*99.3*					*30.0-136*	*06/15/2024 15:27*	WG2303006

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.00935	U	0.350	0.671	06/17/2024 22:34	WG2303345

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.00935	U	0.221	0.0736	0.422	0.282	06/17/2024 22:34	WG2303345
(T) Barium-133	*83.4*					*30.0-143*	*06/17/2024 22:34*	WG2303345

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

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.411	J	0.309	0.417	0.558	0.292	06/15/2024 15:27	WG2303006
(T) Barium	*85.9*					*30.0-143*	*06/15/2024 15:27*	WG2303006
(T) Yttrium	*104*					*30.0-136*	*06/15/2024 15:27*	WG2303006

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.686		0.386	0.611	06/17/2024 22:34	WG2303345

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.275		0.232	0.101	0.249	0.189	06/17/2024 22:34	WG2303345
(T) Barium-133	*87.5*					*30.0-143*	*06/17/2024 22:34*	WG2303345

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.21		0.401	0.526	0.736	0.384	06/18/2024 22:32	WG2303006
(T) Barium	*71.2*					*30.0-143*	*06/18/2024 22:32*	WG2303006
(T) Yttrium	*90.7*					*30.0-136*	*06/18/2024 22:32*	WG2303006

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.46		0.454	0.763	06/18/2024 22:32	WG2303345

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.252		0.212	0.0952	0.200	0.165	06/17/2024 22:34	WG2303345
(T) Barium-133	*88.9*					*30.0-143*	*06/17/2024 22:34*	WG2303345

Method Blank (MB)

(MB) R4086446-1 06/20/24 18:00

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.490	U	0.238	0.477	0.250
(T) Barium	*72.9*		*72.9*		
(T) Yttrium	*95.8*		*95.8*		

L1743829-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1743829-06 06/20/24 21:57 • (DUP) R4086446-5 06/20/24 18:00

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	1.19	0.423	0.779	0.407	0.612	0.500	0.953	0.503	63.8	0.876	J	20	3
(T) Barium	*88.0*				*97.2*	*97.2*							
(T) Yttrium	*95.9*				*94.9*	*94.9*							

Laboratory Control Sample (LCS)

(LCS) R4086446-2 06/20/24 18:00

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.80	95.9	80.0-120	
(T) Barium			*85.7*		
(T) Yttrium			*97.3*		

L1743248-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743248-04 06/20/24 21:57 • (MS) R4086446-3 06/20/24 18:00 • (MSD) R4086446-4 06/20/24 18:00

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	-0.582	13.6	12.4	81.5	74.4	1	70.0-130			9.14		20
(T) Barium		*91.0*			*102*	*103*							
(T) Yttrium		*93.1*			*98.8*	*99.1*							

Method Blank (MB)

(MB) R4083391-5 06/17/24 23:23

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.260	U	0.266	0.268	0.138
(T) Barium	*85.6*		*85.6*		
(T) Yttrium	*93.9*		*93.9*		

L1743923-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1743923-08 06/15/24 15:27 • (DUP) R4083391-4 06/15/24 15:27

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.855	0.382	0.680	0.355	2.64	0.531	0.889	0.471	102	2.73		20	3
(T) Barium	*69.9*				*96.1*	*96.1*							
(T) Yttrium	*95.1*				*95.1*	*95.1*							

Laboratory Control Sample (LCS)

(LCS) R4083391-1 06/15/24 15:27

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.25	105	80.0-120	
(T) Barium			*85.7*		
(T) Yttrium			*94.4*		

L1743923-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743923-02 06/15/24 15:27 • (MS) R4083391-2 06/15/24 15:27 • (MSD) R4083391-3 06/15/24 15:27

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	2.82	21.5	18.7	112	94.8	1	70.0-130			14.1		20
(T) Barium		*111*			*87.8*	*105*							
(T) Yttrium		*90.4*			*89.5*	*99.2*							

Method Blank (MB)

(MB) R4083156-1 06/17/24 22:33

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.00238	U	0.0561	0.107	0.0715
(T) Barium-133	*80.6*		*80.6*		

L1743923-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1743923-01 06/17/24 22:34 • (DUP) R4083156-5 06/17/24 22:33

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	63.7	3.10	0.317	0.217	57.5	2.69	0.344	0.221	10.2	1.51		20	3
(T) Barium-133	*102*				*121*	*121*							

Laboratory Control Sample (LCS)

(LCS) R4083156-2 06/17/24 22:33

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.14	103	75.0-125	
(T) Barium-133			*88.7*		

L1743829-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743829-03 06/17/24 22:34 • (MS) R4083156-3 06/17/24 22:33 • (MSD) R4083156-4 06/17/24 22:33

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.165	21.4	21.6	106	107	1	75.0-125			0.743		20
(T) Barium-133		*84.7*			*89.8*	*88.6*							

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

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
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.
U	Below Detectable Limits: Indicates that the analyte was not detected.

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.

DHL Analytical, Inc.
2300 Double Creek Drive
Round Rock, TX 78664
TEL: *(512) 388-8222* FAX:

CHAIN-OF-CUSTODY RECORD

B053

Work Order: 2406007

Sample Receipt Checklist

COC Seal Present/Intact:	Y ✓ N	If Applicable	
COC Signed/Accurate:	✓ Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	✓ Y N	Pres. Correct/Check:	✓ Y N
Correct bottles used:	✓ Y N		
Sufficient volume sent:	✓ Y N		
RA Screen <0.5 mR/hr:	✓ Y N		

Subcontractor:
Pace Analytical
12065 Lebanon Rd
Mt. Juliet, TN 37122
TEL: (615) 773-5923
FAX:
Acct #: DHLRRTX

L1743829

03-Jun-24

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests						
					Ra-228	Ra-226					
					E904.0	M7500 Ra B M					
MW-10	Aqueous	01C	05/29/24 08:45 AM	1LHDPEHNO3		1					-01
MW-10	Aqueous	01D	05/29/24 08:45 AM	1LHDPEHNO3	1						
BV-5	Aqueous	02C	05/29/24 09:45 AM	1LHDPEHNO3		1					-02
BV-5	Aqueous	02D	05/29/24 09:45 AM	1LHDPEHNO3	1						
MW-5	Aqueous	03C	05/29/24 10:40 AM	1LHDPEHNO3		1					-03
MW-5	Aqueous	03D	05/29/24 10:40 AM	1LHDPEHNO3	1						
MW-9	Aqueous	04C	05/29/24 11:35 AM	1LHDPEHNO3		1					-04
MW-9	Aqueous	04D	05/29/24 11:35 AM	1LHDPEHNO3	1						
DUP-1	Aqueous	05C	05/29/24 11:35 AM	1LHDPEHNO3		1					-05
DUP-1	Aqueous	05D	05/29/24 11:35 AM	1LHDPEHNO3	1						
MW-11	Aqueous	06C	05/29/24 12:35 PM	1LHDPEHNO3		1					-06
MW-11	Aqueous	06D	05/29/24 12:35 PM	1LHDPEHNO3	1						
MW-6	Aqueous	07C	05/29/24 02:40 PM	1LHDPEHNO3		1					-07
MW-6	Aqueous	07D	05/29/24 02:40 PM	1LHDPEHNO3	1						
MW-4	Aqueous	08C	05/29/24 03:45 PM	1LHDPEHNO3		1					-08
MW-4	Aqueous	08D	05/29/24 03:45 PM	1LHDPEHNO3	1						
MW-8	Aqueous	09C	05/30/24 07:50 AM	1LHDPEHNO3		1					-09

General Comments:

Please analyze these samples with Normal Turnaround Time.
Report Ra-226, Ra-228 & Combined per Specs.
Quality Control Package Needed: Standard - NELAC Rad Test compliant
Email to cac@dhlanalytical.com & dupont@dhlanalytical.com

		Date/Time			Date/Time
Relinquished by:	Ea	6/4/24 1700	**Received by:**	CRonero	06/06/24 1000
Relinquished by:			**Received by:**		

PH-10BDH5021
TRC-3223A228
L2

DHL Analytical, Inc.
2300 Double Creek Drive
Round Rock, TX 78664
TEL: *(512) 388-8222* FAX:

CHAIN-OF-CUSTODY RECORD

Work Order: 2406007

Subcontractor:
Pace Analytical
12065 Lebanon Rd
Mt. Juliet, TN 37122
TEL: (615) 773-5923
FAX:
Acct #: DHLRRTX

L174 3829

03-Jun-24

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests						
					Ra-228 E904.0	Ra-226 M7500 Ra B M					
MW-8	Aqueous	09D	05/30/24 07:50 AM	1LHDPEHNO3	1						-09
BV-21	Aqueous	10C	05/30/24 08:45 AM	1LHDPEHNO3		1					
BV-21	Aqueous	10D	05/30/24 08:45 AM	1LHDPEHNO3	1						-10

General Comments:
Please analyze these samples with Normal Turnaround Time.
Report Ra-226, Ra-228 & Combined per Specs.
Quality Control Package Needed: Standard - NELAC Rad Test compliant
Email to cac@dhlanalytical.com & dupont@dhlanalytical.com

		Date/Time		Date/Time
Relinquished by:	[signature]	6/4/24 1700	**Received by:**	[signature] 06/06/24 1000
Relinquished by:			**Received by:**	

L1743829

Tracking Numbers		Temperature
UPS		Amb
UPS		Amb

Name

Date

October 30, 2024

Will Vienne
BBA Engineering
165 N. Lampasas St.
Bertram, TX 78605
TEL: (512) 355-9198
FAX:

Order No.: 2409216

RE: Coleto Creek - CCR

Dear Will Vienne:

DHL Analytical, Inc. received 10 sample(s) on 9/26/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAP except where noted in the Case Narrative. All non-NELAP methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

Joel Grice
Executive VP of Environmental

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211 - TX-C24-00120

Table of Contents

DHL ANALYTICAL
2300 Double Creek Dr. Round Rock, TX 78664
Phone 512.388.8222
Web: **www.dhlanalytical.com**
Email: **login@dhlanalytical.com**

CHAIN-OF-CUSTODY

CLIENT: BBA
ADDRESS: 165 N. LAMPASAS ST, BERTRAM, TX
PHONE: 512-355-9198 EMAIL:
DATA REPORTED TO:
ADDITIONAL REPORT COPIES TO:

DATE: 9-26-24
PO#: 23643V-19

LAB USE ONLY
DHL WORKORDER #: 2409216

PROJECT LOCATION OR NAME: COLETO CREEK -CCR
CLIENT PROJECT # 23643V-19 COLLECTOR: JOHN BRAYTON

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

W=WATER L=LIQUID S=SOIL SO=SOLID SE=SEDIMENT P=PAINT SL=SLUDGE

Field Sample I.D.	Lab Use Only DHL Lab #	Collection Date	Collection Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl ☐ H_3PO_4 ☐	HNO_3	H_2SO_4	NaOH ☐ Zn Acetate ☐	ICE ☒ UNPRESERVED ☐	ANALYSES	APPENDIX III	APPENDIX IV	FIELD NOTES
MW-10	01	9-24-24	1420	W	P	4		X			X		X	X	
MW-5	02		1520	W	P	4		X			X		X	X	
MW-9	03		1615	W	P	4		X			X		X	X	
DUP-1	04		1615	W	P	4		X			X		X	X	
MW-16	05	9-25-24	0815	W	P	4		X			X		X	X	
MW-8	06		1015	W	P	4		X			X		X	X	
BV-21	07		1120	W	P	4		X			X		X	X	
MW-4	08		1215	W	P	4		X			X		X	X	
BV-5	09		1330	W	P	4		X			X		X	X	
MW-11	10		1635	W	P	4		X			X		X	X	

Relinquished By: (Sign) DATE/TIME 14:28 9-26-24 Received by:
Relinquished By: (Sign) DATE/TIME Received by:
Relinquished By: (Sign) DATE/TIME Received by:

TURN AROUND TIME (CALL FIRST FOR RUSH)
RUSH-1 DAY☐ RUSH-2 DAY☐
RUSH-3 DAY☐
NORMAL ☒ OTHER ☐
DUE DATE ☐

LAB USE ONLY **THERMO #:** 78
RECEIVING TEMP (°C): 0.3°C, 1.8°C, 0.2°C
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES / NO
CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☐ INTACT ☑ NOT USED
CARRIER: ☐ LSO ☐ FEDEX ☐ UPS ☐ COURIER ☑ HAND DELIVERED

☐ DHL DISPOSAL @ $10.00 each

Eric Lau

From: John DuPont
Sent: Tuesday, May 28, 2019 11:35 AM
To: Eric Lau
Subject: FW: CCR Analysis

Appendix III Parameters:
Metals (Ca and B)
Anions (Cl, F, and SO4)
TDS

Appendix IV Parameters:

Metals (As, Ba, Be, Cd, Co, Cr, Hg, Li, Mo, Pb, Sb, Se, and Tl)
Ra-226
Ra-228

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: **BBA Engineering**

Date Received: **9/26/2024**

Work Order Number: **2409216**

Received by: **KAO**

Checklist completed by: _____ 9/26/2024 (Signature / Date)

Reviewed by: JH 9/26/2024 (Initials / Date)

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☑	No ☐	NA ☐ LOT # 13171
	Adjusted? no		Checked by EC
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Cooler #	1	2	3
Temp °C	0.3	1.8	0.2
Seal Intact	NP	NP	NP

Any No response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

Laboratory Name: DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Coleto Creek - CCR	**LRC Date:** 10/30/24
Reviewer Name: Carlos Castro	**Laboratory Work Order:** 2409216
Prep Batch Number(s): See Prep Dates Report	**Run Batch:** See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-Custody (C-O-C)					
R1	OI	**1)** Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	**X**				**R1-01**
		2) Were all departures from standard conditions described in an exception report?			**X**		
R2	OI	**Sample and Quality Control (QC) Identification**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	**X**				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	**X**				
R3	OI	**Test Reports**					
		1) Were all samples prepared and analyzed within holding times?	**X**				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	**X**				
		3) Were calculations checked by a peer or supervisor?	**X**				
		4) Were all analyte identifications checked by a peer or supervisor?	**X**				
		5) Were sample detection limits reported for all analytes not detected?	**X**				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			**X**		
		7) Were % moisture (or solids) reported for all soil and sediment samples?			**X**		
		8) Were bulk soils/solids samples for volatile analysis extracted with methanol per EPA Method 5035?			**X**		
		9) If required for the project, TICs reported?			**X**		
R4	O	**Surrogate Recovery Data**					
		1) Were surrogates added prior to extraction?			**X**		
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?			**X**		
R5	OI	**Test Reports/Summary Forms for Blank Samples**					
		1) Were appropriate type(s) of blanks analyzed?	**X**				
		2) Were blanks analyzed at the appropriate frequency?	**X**				
		3) Where method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	**X**				
		4) Were blank concentrations < MDL?	**X**				
		5) For analyte(s) detected in a blank sample, was the concentration, unadjusted for sample specific factors, in all associated field samples, **greater** than 10 times the concentration in the blank sample?			**X**		
R6	OI	**Laboratory Control Samples (LCS):**					
		1) Were all COCs included in the LCS?	**X**				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	**X**				
		3) Were LCSs analyzed at the required frequency?	**X**				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	**X**				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	**X**				
		6) Was the LCSD RPD within QC limits (if applicable)?	**X**				
R7	OI	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data**					
		1) Were the project/method specified analytes included in the MS and MSD?	**X**				
		2) Were MS/MSD analyzed at the appropriate frequency?	**X**				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		**X**			**R7-03**
		4) Were MS/MSD RPDs within laboratory QC limits?	**X**				
R8	OI	**Analytical Duplicate Data**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	**X**				
		2) Were analytical duplicates analyzed at the appropriate frequency?	**X**				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	**X**				
R9	OI	**Method Quantitation Limits (MQLs):**					
		1) Are the MQLs for each method analyte included in the laboratory data package?	**X**				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	**X**				
		3) Are unadjusted MQLs and DCSs included in the laboratory data package?	**X**				
R10	OI	**Other Problems/Anomalies**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	**X**				
		2) Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	**X**				
		3) Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	**X**				

Laboratory Name: DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Coleto Creek - CCR	**LRC Date:** 10/30/24
Reviewer Name: Carlos Castro	**Laboratory Work Order:** 2409216
Prep Batch Number(s): See Prep Dates Report	**Run Batch:** See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and Continuing calibration Verification (ICCV and CCV) and Continuing Calibration blank (CCB):**					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?	X				
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass Spectral Tuning:**					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal Standards (IS):**					
		1) Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw Data (NELAC Section 5.5.10)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual Column Confirmation**					
		1) Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively Identified Compounds (TICs):**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) Results:**					
		1) Were percent recoveries within method QC limits?	X				
S9	I	**Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method Detection Limit (MDL) Studies**					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency Test Reports:**					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards Documentation**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/Analyte Identification Procedures**					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5 – Appendix C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/Validation Documentation for Methods** (NELAC Chapter 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory Standard Operating Procedures (SOPs):**					
		1) Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Signature Page – RG-366/TRRP-13

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

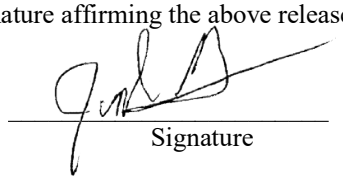
R1 Field chain-of-custody documentation;
R2 Sample identification cross-reference;
R3 Test reports (analytical data sheets) for each environmental sample that includes:
  a) Items consistent with NELAC Chapter 5,
  b) dilution factors,
  c) preparation methods,
  d) cleanup methods, and
  e) if required for the project, tentatively identified compounds (TICs).
R4 Surrogate recovery data including:
  a) Calculated recovery (%R), and
  b) The laboratory's surrogate QC limits.
R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  a) LCS spiking amounts,
  b) Calculated %R for each analyte, and
  c) The laboratory's LCS QC limits.
R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  a) Samples associated with the MS/MSD clearly identified,
  b) MS/MSD spiking amounts,
  c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  d) Calculated %Rs and relative percent differences (RPDs), and
  e) The laboratory's MS/MSD QC limits
R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  a) The amount of analyte measured in the duplicate,
  b) The calculated RPD, and
  c) The laboratory's QC limits for analytical duplicates.
R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory is not accredited under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information or data affecting the quality of the data has been knowingly withheld.

This laboratory was last inspected by TCEQ on May 30 - June 2, 2023. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name: Joel Grice
Official Title: Executive VP of Environmental



Signature

10/30/2024
Date

Name: Don Winston
Official Title: Technical Director

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT: BBA Engineering
Project: Coleto Creek - CCR
Lab Order: 2409216

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Method SW6020B - Metals Analysis
Method SW7470A - Mercury Analysis
Method E300 - Anions Analysis
Method M2540C - TDS Analysis
Sub-contract - Radium-228 and Radium-226 analyses by methods E904/9320 and SM7500 Ra B M. Analyzed at Pace Analytical.

Exception Report R1-01

The samples were received and log-in performed on 9/26/24. A total of 10 samples were received. The samples arrived in good condition and were properly packaged.

Exception Report R7-03

For Anions analysis performed on 9/29/24 and 10/1/24 (batches 117364 & 117389) the matrix spikes and matrix spike duplicate recoveries (2409225-04 MS/MSD & 2409234-01 MS/MSD) were out of control limits for Sulfate or Chloride. This was due to matrix effect. These are flagged accordingly in the QC summary report. The samples selected for the matrix spikes and matrix spike duplicates were not from this work order. The LCSs were within control limits for these analytes. No further corrective actions were taken.

For Metals analysis performed on 10/1/24 the matrix spike duplicate recovery was slightly below control limits for Calcium. This is flagged accordingly. The sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits for this analyte. No further corrective actions were taken.

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT: BBA Engineering
Project: Coleto Creek - CCR
Lab Order: 2409216

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2409216-01	MW-10		09/24/24 02:20 PM	09/26/2024
2409216-02	MW-5		09/24/24 03:20 PM	09/26/2024
2409216-03	MW-9		09/24/24 04:15 PM	09/26/2024
2409216-04	DUP-1		09/24/24 04:15 PM	09/26/2024
2409216-05	MW-6		09/25/24 08:15 AM	09/26/2024
2409216-06	MW-8		09/25/24 10:15 AM	09/26/2024
2409216-07	BV-21		09/25/24 11:20 AM	09/26/2024
2409216-08	MW-4		09/25/24 12:15 PM	09/26/2024
2409216-09	BV-5		09/25/24 01:30 PM	09/26/2024
2409216-10	MW-11		09/25/24 04:35 PM	09/26/2024

Lab Order: 2409216
Client: BBA Engineering
Project: Coleto Creek - CCR

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2409216-01A	MW-10	09/24/24 02:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-10	09/24/24 02:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-10	09/24/24 02:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-10	09/24/24 02:20 PM	Aqueous	SW7470A	Mercury Aq Prep	10/02/24 09:22 AM	117388
2409216-01B	MW-10	09/24/24 02:20 PM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	MW-10	09/24/24 02:20 PM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	MW-10	09/24/24 02:20 PM	Aqueous	M2540C	TDS Preparation	09/27/24 02:48 PM	117363
2409216-02A	MW-5	09/24/24 03:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-5	09/24/24 03:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-5	09/24/24 03:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-5	09/24/24 03:20 PM	Aqueous	SW7470A	Mercury Aq Prep	10/02/24 09:22 AM	117388
2409216-02B	MW-5	09/24/24 03:20 PM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	MW-5	09/24/24 03:20 PM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	MW-5	09/24/24 03:20 PM	Aqueous	M2540C	TDS Preparation	09/27/24 02:48 PM	117363
2409216-03A	MW-9	09/24/24 04:15 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-9	09/24/24 04:15 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-9	09/24/24 04:15 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-9	09/24/24 04:15 PM	Aqueous	SW7470A	Mercury Aq Prep	10/02/24 09:22 AM	117388
2409216-03B	MW-9	09/24/24 04:15 PM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	MW-9	09/24/24 04:15 PM	Aqueous	M2540C	TDS Preparation	09/27/24 02:48 PM	117363
2409216-04A	DUP-1	09/24/24 04:15 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	DUP-1	09/24/24 04:15 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	DUP-1	09/24/24 04:15 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	DUP-1	09/24/24 04:15 PM	Aqueous	SW7470A	Mercury Aq Prep	10/02/24 09:22 AM	117388
2409216-04B	DUP-1	09/24/24 04:15 PM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	DUP-1	09/24/24 04:15 PM	Aqueous	M2540C	TDS Preparation	09/27/24 02:48 PM	117363
2409216-05A	MW-6	09/25/24 08:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-6	09/25/24 08:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366

Lab Order: 2409216
Client: BBA Engineering
Project: Coleto Creek - CCR

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2409216-05A	MW-6	09/25/24 08:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-6	09/25/24 08:15 AM	Aqueous	SW7470A	Mercury Aq Prep	10/02/24 09:22 AM	117388
2409216-05B	MW-6	09/25/24 08:15 AM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	MW-6	09/25/24 08:15 AM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	MW-6	09/25/24 08:15 AM	Aqueous	M2540C	TDS Preparation	10/01/24 10:33 AM	117399
2409216-06A	MW-8	09/25/24 10:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-8	09/25/24 10:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-8	09/25/24 10:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-8	09/25/24 10:15 AM	Aqueous	SW7470A	Mercury Aq Prep	10/02/24 09:22 AM	117388
2409216-06B	MW-8	09/25/24 10:15 AM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	MW-8	09/25/24 10:15 AM	Aqueous	E300	Anion Preparation	10/01/24 09:00 AM	117389
	MW-8	09/25/24 10:15 AM	Aqueous	M2540C	TDS Preparation	10/01/24 10:33 AM	117399
2409216-07A	BV-21	09/25/24 11:20 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	BV-21	09/25/24 11:20 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	BV-21	09/25/24 11:20 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	BV-21	09/25/24 11:20 AM	Aqueous	SW7470A	Mercury Aq Prep	10/02/24 09:22 AM	117388
2409216-07B	BV-21	09/25/24 11:20 AM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	BV-21	09/25/24 11:20 AM	Aqueous	M2540C	TDS Preparation	10/01/24 10:33 AM	117399
2409216-08A	MW-4	09/25/24 12:15 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-4	09/25/24 12:15 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-4	09/25/24 12:15 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-4	09/25/24 12:15 PM	Aqueous	SW7470A	Mercury Aq Prep	10/02/24 09:22 AM	117388
2409216-08B	MW-4	09/25/24 12:15 PM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	MW-4	09/25/24 12:15 PM	Aqueous	M2540C	TDS Preparation	10/01/24 10:33 AM	117399
2409216-09A	BV-5	09/25/24 01:30 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	BV-5	09/25/24 01:30 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	BV-5	09/25/24 01:30 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	BV-5	09/25/24 01:30 PM	Aqueous	SW7470A	Mercury Aq Prep	10/02/24 09:22 AM	117388

Lab Order: 2409216
Client: BBA Engineering
Project: Coleto Creek - CCR

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2409216-09B	BV-5	09/25/24 01:30 PM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	BV-5	09/25/24 01:30 PM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	BV-5	09/25/24 01:30 PM	Aqueous	M2540C	TDS Preparation	10/01/24 10:33 AM	117399
2409216-10A	MW-11	09/25/24 04:35 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-11	09/25/24 04:35 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-11	09/25/24 04:35 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/30/24 06:41 AM	117366
	MW-11	09/25/24 04:35 PM	Aqueous	SW7470A	Mercury Aq Prep	10/02/24 09:22 AM	117388
2409216-10B	MW-11	09/25/24 04:35 PM	Aqueous	E300	Anion Preparation	09/29/24 04:58 PM	117364
	MW-11	09/25/24 04:35 PM	Aqueous	M2540C	TDS Preparation	10/01/24 10:33 AM	117399

Lab Order: 2409216
Client: BBA Engineering
Project: Coleto Creek - CCR

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2409216-01A	MW-10	Aqueous	SW7470A	Mercury Total: Aqueous	117388	1	10/02/24 01:36 PM	CETAC2_HG_241002A
	MW-10	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	20	10/01/24 02:23 PM	ICP-MS4_241001A
	MW-10	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/02/24 03:17 PM	ICP-MS4_241002A
	MW-10	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/01/24 01:43 PM	ICP-MS5_241001B
2409216-01B	MW-10	Aqueous	E300	Anions by IC method - Water	117364	10	09/29/24 08:57 PM	IC4_240929A
	MW-10	Aqueous	E300	Anions by IC method - Water	117364	1	09/30/24 04:17 AM	IC4_240929A
	MW-10	Aqueous	M2540C	Total Dissolved Solids	117363	1	09/27/24 04:45 PM	WC_240927C
2409216-02A	MW-5	Aqueous	SW7470A	Mercury Total: Aqueous	117388	1	10/02/24 01:38 PM	CETAC2_HG_241002A
	MW-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/01/24 01:38 PM	ICP-MS5_241001B
	MW-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	10	10/01/24 02:19 PM	ICP-MS4_241001A
	MW-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/02/24 02:54 PM	ICP-MS4_241002A
2409216-02B	MW-5	Aqueous	E300	Anions by IC method - Water	117364	10	09/29/24 09:17 PM	IC4_240929A
	MW-5	Aqueous	E300	Anions by IC method - Water	117364	1	09/30/24 04:37 AM	IC4_240929A
	MW-5	Aqueous	M2540C	Total Dissolved Solids	117363	1	09/27/24 04:45 PM	WC_240927C
2409216-03A	MW-9	Aqueous	SW7470A	Mercury Total: Aqueous	117388	1	10/02/24 01:41 PM	CETAC2_HG_241002A
	MW-9	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	10	10/01/24 02:25 PM	ICP-MS4_241001A
	MW-9	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/01/24 01:46 PM	ICP-MS5_241001B
	MW-9	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/02/24 03:19 PM	ICP-MS4_241002A
2409216-03B	MW-9	Aqueous	E300	Anions by IC method - Water	117364	1	09/30/24 04:57 AM	IC4_240929A
	MW-9	Aqueous	M2540C	Total Dissolved Solids	117363	1	09/27/24 04:45 PM	WC_240927C
2409216-04A	DUP-1	Aqueous	SW7470A	Mercury Total: Aqueous	117388	1	10/02/24 01:43 PM	CETAC2_HG_241002A
	DUP-1	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/01/24 01:48 PM	ICP-MS5_241001B
	DUP-1	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	10	10/01/24 02:27 PM	ICP-MS4_241001A
	DUP-1	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/02/24 03:21 PM	ICP-MS4_241002A
2409216-04B	DUP-1	Aqueous	E300	Anions by IC method - Water	117364	1	09/30/24 05:17 AM	IC4_240929A
	DUP-1	Aqueous	M2540C	Total Dissolved Solids	117363	1	09/27/24 04:45 PM	WC_240927C

Lab Order: 2409216
Client: BBA Engineering
Project: Coleto Creek - CCR

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2409216-05A	MW-6	Aqueous	SW7470A	Mercury Total: Aqueous	117388	1	10/02/24 01:45 PM	CETAC2_HG_241002A
	MW-6	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	10	10/01/24 02:29 PM	ICP-MS4_241001A
	MW-6	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/02/24 03:23 PM	ICP-MS4_241002A
	MW-6	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/01/24 01:51 PM	ICP-MS5_241001B
2409216-05B	MW-6	Aqueous	E300	Anions by IC method - Water	117364	1	09/30/24 05:37 AM	IC4_240929A
	MW-6	Aqueous	E300	Anions by IC method - Water	117364	10	09/29/24 09:37 PM	IC4_240929A
	MW-6	Aqueous	M2540C	Total Dissolved Solids	117399	1	10/01/24 05:05 PM	WC_241001D
2409216-06A	MW-8	Aqueous	SW7470A	Mercury Total: Aqueous	117388	1	10/02/24 01:47 PM	CETAC2_HG_241002A
	MW-8	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	5	10/01/24 02:31 PM	ICP-MS4_241001A
	MW-8	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/02/24 03:25 PM	ICP-MS4_241002A
	MW-8	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/01/24 01:53 PM	ICP-MS5_241001B
2409216-06B	MW-8	Aqueous	E300	Anions by IC method - Water	117364	1	09/30/24 05:57 AM	IC4_240929A
	MW-8	Aqueous	E300	Anions by IC method - Water	117389	10	10/01/24 06:12 PM	IC4_241001B
	MW-8	Aqueous	M2540C	Total Dissolved Solids	117399	1	10/01/24 05:05 PM	WC_241001D
2409216-07A	BV-21	Aqueous	SW7470A	Mercury Total: Aqueous	117388	1	10/02/24 01:54 PM	CETAC2_HG_241002A
	BV-21	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/02/24 02:59 PM	ICP-MS4_241002A
	BV-21	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/01/24 01:56 PM	ICP-MS5_241001B
	BV-21	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	10	10/01/24 02:33 PM	ICP-MS4_241001A
2409216-07B	BV-21	Aqueous	E300	Anions by IC method - Water	117364	1	09/30/24 07:37 AM	IC4_240929A
	BV-21	Aqueous	M2540C	Total Dissolved Solids	117399	1	10/01/24 05:05 PM	WC_241001D
2409216-08A	MW-4	Aqueous	SW7470A	Mercury Total: Aqueous	117388	1	10/02/24 01:57 PM	CETAC2_HG_241002A
	MW-4	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	10	10/01/24 02:35 PM	ICP-MS4_241001A
	MW-4	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/01/24 01:58 PM	ICP-MS5_241001B
	MW-4	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/02/24 03:01 PM	ICP-MS4_241002A
2409216-08B	MW-4	Aqueous	E300	Anions by IC method - Water	117364	1	09/30/24 07:57 AM	IC4_240929A
	MW-4	Aqueous	M2540C	Total Dissolved Solids	117399	1	10/01/24 05:05 PM	WC_241001D

Lab Order: 2409216
Client: BBA Engineering
Project: Coleto Creek - CCR

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2409216-09A	BV-5	Aqueous	SW7470A	Mercury Total: Aqueous	117388	1	10/02/24 01:59 PM	CETAC2_HG_241002A
	BV-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/01/24 02:01 PM	ICP-MS5_241001B
	BV-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	5	10/01/24 02:37 PM	ICP-MS4_241001A
	BV-5	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/02/24 03:27 PM	ICP-MS4_241002A
2409216-09B	BV-5	Aqueous	E300	Anions by IC method - Water	117364	10	09/29/24 10:37 PM	IC4_240929A
	BV-5	Aqueous	E300	Anions by IC method - Water	117364	1	09/30/24 08:17 AM	IC4_240929A
	BV-5	Aqueous	M2540C	Total Dissolved Solids	117399	1	10/01/24 05:05 PM	WC_241001D
2409216-10A	MW-11	Aqueous	SW7470A	Mercury Total: Aqueous	117388	1	10/02/24 02:01 PM	CETAC2_HG_241002A
	MW-11	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	5	10/01/24 02:39 PM	ICP-MS4_241001A
	MW-11	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/02/24 03:29 PM	ICP-MS4_241002A
	MW-11	Aqueous	SW6020B	Total Metals: ICP-MS - Water	117366	1	10/01/24 02:04 PM	ICP-MS5_241001B
2409216-10B	MW-11	Aqueous	E300	Anions by IC method - Water	117364	1	09/30/24 08:37 AM	IC4_240929A
	MW-11	Aqueous	M2540C	Total Dissolved Solids	117399	1	10/01/24 05:05 PM	WC_241001D

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-10
Project:	Coleto Creek - CCR	**Lab ID:**	2409216-01
Project No:	23643V-19	**Collection Date:**	09/24/24 02:20 PM
Lab Order:	2409216	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **CMC**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	10/01/24 01:43 PM
Arsenic	0.0143	0.00200	0.00500		mg/L	1	10/01/24 01:43 PM
Barium	0.0576	0.00300	0.0100		mg/L	1	10/01/24 01:43 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:43 PM
Boron	6.80	0.200	0.600		mg/L	20	10/01/24 02:23 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:43 PM
Calcium	35.5	2.00	6.00		mg/L	20	10/01/24 02:23 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:43 PM
Cobalt	0.00948	0.00300	0.00500		mg/L	1	10/01/24 01:43 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:43 PM
Lithium	0.0103	0.00500	0.0100		mg/L	1	10/02/24 03:17 PM
Molybdenum	0.0896	0.00200	0.00500		mg/L	1	10/01/24 01:43 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:43 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	10/01/24 01:43 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JS**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	10/02/24 01:36 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	57.6	3.00	10.0		mg/L	10	09/29/24 08:57 PM
Fluoride	0.952	0.100	0.400		mg/L	1	09/30/24 04:17 AM
Sulfate	74.9	1.00	3.00		mg/L	1	09/30/24 04:17 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **KER**
Total Dissolved Solids (Residue, Filterable)	522	10.0	10.0		mg/L	1	09/27/24 04:45 PM

Qualifiers:

ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAP certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-5
Project:	Coleto Creek - CCR	**Lab ID:**	2409216-02
Project No:	23643V-19	**Collection Date:**	09/24/24 03:20 PM
Lab Order:	2409216	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **CMC**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	10/01/24 01:38 PM
Arsenic	0.00960	0.00200	0.00500		mg/L	1	10/01/24 01:38 PM
Barium	0.0592	0.00300	0.0100		mg/L	1	10/01/24 01:38 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:38 PM
Boron	0.152	0.0100	0.0300		mg/L	1	10/02/24 02:54 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:38 PM
Calcium	101	1.00	3.00		mg/L	10	10/01/24 02:19 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:38 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	10/01/24 01:38 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:38 PM
Lithium	0.0174	0.00500	0.0100		mg/L	1	10/02/24 02:54 PM
Molybdenum	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:38 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:38 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	10/01/24 01:38 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JS**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	10/02/24 01:38 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	121	3.00	10.0		mg/L	10	09/29/24 09:17 PM
Fluoride	0.580	0.100	0.400		mg/L	1	09/30/24 04:37 AM
Sulfate	167	10.0	30.0		mg/L	10	09/29/24 09:17 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **KER**
Total Dissolved Solids (Residue, Filterable)	809	10.0	10.0		mg/L	1	09/27/24 04:45 PM

Qualifiers:

ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAP certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-9
Project:	Coleto Creek - CCR	**Lab ID:**	2409216-03
Project No:	23643V-19	**Collection Date:**	09/24/24 04:15 PM
Lab Order:	2409216	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **CMC**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	10/01/24 01:46 PM
Arsenic	0.0195	0.00200	0.00500		mg/L	1	10/01/24 01:46 PM
Barium	0.113	0.00300	0.0100		mg/L	1	10/01/24 01:46 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:46 PM
Boron	1.39	0.100	0.300		mg/L	10	10/01/24 02:25 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:46 PM
Calcium	48.9	1.00	3.00		mg/L	10	10/01/24 02:25 PM
Chromium	0.00289	0.00200	0.00500	J	mg/L	1	10/01/24 01:46 PM
Cobalt	0.00565	0.00300	0.00500		mg/L	1	10/01/24 01:46 PM
Lead	0.000936	0.000300	0.00100	J	mg/L	1	10/01/24 01:46 PM
Lithium	0.00613	0.00500	0.0100	J	mg/L	1	10/02/24 03:19 PM
Molybdenum	0.0394	0.00200	0.00500		mg/L	1	10/01/24 01:46 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:46 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	10/01/24 01:46 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JS**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	10/02/24 01:41 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	48.7	0.300	1.00		mg/L	1	09/30/24 04:57 AM
Fluoride	0.845	0.100	0.400		mg/L	1	09/30/24 04:57 AM
Sulfate	66.0	1.00	3.00		mg/L	1	09/30/24 04:57 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **KER**
Total Dissolved Solids (Residue, Filterable)	414	10.0	10.0		mg/L	1	09/27/24 04:45 PM

Qualifiers:

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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	DUP-1
Project:	Coleto Creek - CCR	**Lab ID:**	2409216-04
Project No:	23643V-19	**Collection Date:**	09/24/24 04:15 PM
Lab Order:	2409216	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **CMC**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	10/01/24 01:48 PM
Arsenic	0.0196	0.00200	0.00500		mg/L	1	10/01/24 01:48 PM
Barium	0.115	0.00300	0.0100		mg/L	1	10/01/24 01:48 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:48 PM
Boron	1.43	0.100	0.300		mg/L	10	10/01/24 02:27 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:48 PM
Calcium	50.0	1.00	3.00		mg/L	10	10/01/24 02:27 PM
Chromium	0.00220	0.00200	0.00500	J	mg/L	1	10/01/24 01:48 PM
Cobalt	0.00582	0.00300	0.00500		mg/L	1	10/01/24 01:48 PM
Lead	0.00100	0.000300	0.00100		mg/L	1	10/01/24 01:48 PM
Lithium	0.00613	0.00500	0.0100	J	mg/L	1	10/02/24 03:21 PM
Molybdenum	0.0383	0.00200	0.00500		mg/L	1	10/01/24 01:48 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:48 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	10/01/24 01:48 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JS**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	10/02/24 01:43 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	48.3	0.300	1.00		mg/L	1	09/30/24 05:17 AM
Fluoride	0.857	0.100	0.400		mg/L	1	09/30/24 05:17 AM
Sulfate	64.8	1.00	3.00		mg/L	1	09/30/24 05:17 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **KER**
Total Dissolved Solids (Residue, Filterable)	401	10.0	10.0		mg/L	1	09/27/24 04:45 PM

Qualifiers:

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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-6
Project:	Coleto Creek - CCR	**Lab ID:**	2409216-05
Project No:	23643V-19	**Collection Date:**	09/25/24 08:15 AM
Lab Order:	2409216	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **CMC**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	10/01/24 01:51 PM
Arsenic	0.00880	0.00200	0.00500		mg/L	1	10/01/24 01:51 PM
Barium	0.0639	0.00300	0.0100		mg/L	1	10/01/24 01:51 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:51 PM
Boron	2.10	0.100	0.300		mg/L	10	10/01/24 02:29 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:51 PM
Calcium	55.3	1.00	3.00		mg/L	10	10/01/24 02:29 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:51 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	10/01/24 01:51 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:51 PM
Lithium	0.0116	0.00500	0.0100		mg/L	1	10/02/24 03:23 PM
Molybdenum	0.0369	0.00200	0.00500		mg/L	1	10/01/24 01:51 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:51 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	10/01/24 01:51 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JS**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	10/02/24 01:45 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	47.2	3.00	10.0		mg/L	10	09/29/24 09:37 PM
Fluoride	0.504	0.100	0.400		mg/L	1	09/30/24 05:37 AM
Sulfate	97.2	1.00	3.00		mg/L	1	09/30/24 05:37 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **KER**
Total Dissolved Solids (Residue, Filterable)	441	10.0	10.0		mg/L	1	10/01/24 05:05 PM

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C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-8
Project:	Coleto Creek - CCR	**Lab ID:**	2409216-06
Project No:	23643V-19	**Collection Date:**	09/25/24 10:15 AM
Lab Order:	2409216	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **CMC**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	10/01/24 01:53 PM
Arsenic	0.00966	0.00200	0.00500		mg/L	1	10/01/24 01:53 PM
Barium	0.0829	0.00300	0.0100		mg/L	1	10/01/24 01:53 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:53 PM
Boron	0.759	0.0500	0.150		mg/L	5	10/01/24 02:31 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:53 PM
Calcium	60.1	0.500	1.50		mg/L	5	10/01/24 02:31 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:53 PM
Cobalt	0.0124	0.00300	0.00500		mg/L	1	10/01/24 01:53 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:53 PM
Lithium	0.00953	0.00500	0.0100	J	mg/L	1	10/02/24 03:25 PM
Molybdenum	0.0134	0.00200	0.00500		mg/L	1	10/01/24 01:53 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:53 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	10/01/24 01:53 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JS**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	10/02/24 01:47 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **KES**
Chloride	54.1	3.00	10.0		mg/L	10	10/01/24 06:12 PM
Fluoride	0.500	0.100	0.400		mg/L	1	09/30/24 05:57 AM
Sulfate	47.7	1.00	3.00		mg/L	1	09/30/24 05:57 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **KER**
Total Dissolved Solids (Residue, Filterable)	469	10.0	10.0		mg/L	1	10/01/24 05:05 PM

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C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
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E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	BV-21
Project:	Coleto Creek - CCR	**Lab ID:**	2409216-07
Project No:	23643V-19	**Collection Date:**	09/25/24 11:20 AM
Lab Order:	2409216	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **CMC**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	10/01/24 01:56 PM
Arsenic	0.0848	0.00200	0.00500		mg/L	1	10/01/24 01:56 PM
Barium	0.206	0.00300	0.0100		mg/L	1	10/01/24 01:56 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:56 PM
Boron	0.421	0.0100	0.0300		mg/L	1	10/02/24 02:59 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:56 PM
Calcium	77.2	1.00	3.00		mg/L	10	10/01/24 02:33 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:56 PM
Cobalt	0.00916	0.00300	0.00500		mg/L	1	10/01/24 01:56 PM
Lead	0.000594	0.000300	0.00100	J	mg/L	1	10/01/24 01:56 PM
Lithium	<0.00500	0.00500	0.0100		mg/L	1	10/02/24 02:59 PM
Molybdenum	0.00617	0.00200	0.00500		mg/L	1	10/01/24 01:56 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:56 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	10/01/24 01:56 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JS**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	10/02/24 01:54 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	45.5	0.300	1.00		mg/L	1	09/30/24 07:37 AM
Fluoride	0.471	0.100	0.400		mg/L	1	09/30/24 07:37 AM
Sulfate	34.1	1.00	3.00		mg/L	1	09/30/24 07:37 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **KER**
Total Dissolved Solids (Residue, Filterable)	423	10.0	10.0		mg/L	1	10/01/24 05:05 PM

Qualifiers:

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C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-4
Project:	Coleto Creek - CCR	**Lab ID:**	2409216-08
Project No:	23643V-19	**Collection Date:**	09/25/24 12:15 PM
Lab Order:	2409216	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **CMC**
Antimony	0.000989	0.000800	0.00250	J	mg/L	1	10/01/24 01:58 PM
Arsenic	0.00347	0.00200	0.00500	J	mg/L	1	10/01/24 01:58 PM
Barium	0.0451	0.00300	0.0100		mg/L	1	10/01/24 01:58 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 01:58 PM
Boron	0.315	0.0100	0.0300		mg/L	1	10/02/24 03:01 PM
Cadmium	0.000311	0.000300	0.00100	J	mg/L	1	10/01/24 01:58 PM
Calcium	86.0	1.00	3.00		mg/L	10	10/01/24 02:35 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:58 PM
Cobalt	0.00462	0.00300	0.00500	J	mg/L	1	10/01/24 01:58 PM
Lead	0.00946	0.000300	0.00100		mg/L	1	10/01/24 01:58 PM
Lithium	0.0114	0.00500	0.0100		mg/L	1	10/02/24 03:01 PM
Molybdenum	0.00398	0.00200	0.00500	J	mg/L	1	10/01/24 01:58 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 01:58 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	10/01/24 01:58 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JS**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	10/02/24 01:57 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	44.2	0.300	1.00		mg/L	1	09/30/24 07:57 AM
Fluoride	0.348	0.100	0.400	J	mg/L	1	09/30/24 07:57 AM
Sulfate	52.6	1.00	3.00		mg/L	1	09/30/24 07:57 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **KER**
Total Dissolved Solids (Residue, Filterable)	473	10.0	10.0		mg/L	1	10/01/24 05:05 PM

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SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	BV-5
Project:	Coleto Creek - CCR	**Lab ID:**	2409216-09
Project No:	23643V-19	**Collection Date:**	09/25/24 01:30 PM
Lab Order:	2409216	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **CMC**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	10/01/24 02:01 PM
Arsenic	0.0120	0.00200	0.00500		mg/L	1	10/01/24 02:01 PM
Barium	0.0556	0.00300	0.0100		mg/L	1	10/01/24 02:01 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 02:01 PM
Boron	1.04	0.0500	0.150		mg/L	5	10/01/24 02:37 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 02:01 PM
Calcium	62.2	0.500	1.50		mg/L	5	10/01/24 02:37 PM
Chromium	0.00474	0.00200	0.00500	J	mg/L	1	10/01/24 02:01 PM
Cobalt	0.0558	0.00300	0.00500		mg/L	1	10/01/24 02:01 PM
Lead	0.00209	0.000300	0.00100		mg/L	1	10/01/24 02:01 PM
Lithium	0.0165	0.00500	0.0100		mg/L	1	10/02/24 03:27 PM
Molybdenum	0.0150	0.00200	0.00500		mg/L	1	10/01/24 02:01 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 02:01 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	10/01/24 02:01 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JS**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	10/02/24 01:59 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	108	3.00	10.0		mg/L	10	09/29/24 10:37 PM
Fluoride	1.00	0.100	0.400		mg/L	1	09/30/24 08:17 AM
Sulfate	102	1.00	3.00		mg/L	1	09/30/24 08:17 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **KER**
Total Dissolved Solids (Residue, Filterable)	741	10.0	10.0		mg/L	1	10/01/24 05:05 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
DF- Dilution Factor
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RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	BBA Engineering	**Client Sample ID:**	MW-11
Project:	Coleto Creek - CCR	**Lab ID:**	2409216-10
Project No:	23643V-19	**Collection Date:**	09/25/24 04:35 PM
Lab Order:	2409216	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS: ICP-MS - WATER		**SW6020B**					Analyst: **CMC**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	10/01/24 02:04 PM
Arsenic	0.0239	0.00200	0.00500		mg/L	1	10/01/24 02:04 PM
Barium	0.105	0.00300	0.0100		mg/L	1	10/01/24 02:04 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 02:04 PM
Boron	0.830	0.0500	0.150		mg/L	5	10/01/24 02:39 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	10/01/24 02:04 PM
Calcium	50.2	0.500	1.50		mg/L	5	10/01/24 02:39 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 02:04 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	10/01/24 02:04 PM
Lead	0.000487	0.000300	0.00100	J	mg/L	1	10/01/24 02:04 PM
Lithium	0.0137	0.00500	0.0100		mg/L	1	10/02/24 03:29 PM
Molybdenum	0.0113	0.00200	0.00500		mg/L	1	10/01/24 02:04 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	10/01/24 02:04 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	10/01/24 02:04 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JS**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	10/02/24 02:01 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	45.4	0.300	1.00		mg/L	1	09/30/24 08:37 AM
Fluoride	0.602	0.100	0.400		mg/L	1	09/30/24 08:37 AM
Sulfate	50.6	1.00	3.00		mg/L	1	09/30/24 08:37 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **KER**
Total Dissolved Solids (Residue, Filterable)	393	10.0	10.0		mg/L	1	10/01/24 05:05 PM

Qualifiers:

ND - Not Detected at the SDL
J - Analyte detected between SDL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
N - Parameter not NELAP certified
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
E - TPH pattern not Gas or Diesel Range Pattern

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_240711A

Sample ID: **DCS-116189** Batch ID: **116189** TestNo: **SW7470A** Units: **mg/L**
SampType: **DCS** Run ID: **CETAC2_HG_240711A** Analysis Date: **7/11/2024 11:37:36 AM** Prep Date: **7/11/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.000194	0.000200	0.000200	0	97.0	82	119	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_241002A

The QC data in batch 117388 applies to the following samples: 2409216-01A, 2409216-02A, 2409216-03A, 2409216-04A, 2409216-05A, 2409216-06A, 2409216-07A, 2409216-08A, 2409216-09A, 2409216-10A

Sample ID: **MB-117388** Batch ID: **117388** TestNo: **SW7470A** Units: **mg/L**
SampType: **MBLK** Run ID: **CETAC2_HG_241002A** Analysis Date: **10/2/2024 1:09:25 PM** Prep Date: **10/2/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	<0.0000800	0.000200								

Sample ID: **LCS-117388** Batch ID: **117388** TestNo: **SW7470A** Units: **mg/L**
SampType: **LCS** Run ID: **CETAC2_HG_241002A** Analysis Date: **10/2/2024 1:11:41 PM** Prep Date: **10/2/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00209	0.000200	0.00200	0	104	85	115			

Sample ID: **LCSD-117388** Batch ID: **117388** TestNo: **SW7470A** Units: **mg/L**
SampType: **LCSD** Run ID: **CETAC2_HG_241002A** Analysis Date: **10/2/2024 1:13:57 PM** Prep Date: **10/2/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00209	0.000200	0.00200	0	104	85	115	0	15	

Sample ID: **2409213-01CMS** Batch ID: **117388** TestNo: **SW7470A** Units: **mg/L**
SampType: **MS** Run ID: **CETAC2_HG_241002A** Analysis Date: **10/2/2024 1:27:34 PM** Prep Date: **10/2/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0102	0.00100	0.0100	0	102	80	120			

Sample ID: **2409213-01CMSD** Batch ID: **117388** TestNo: **SW7470A** Units: **mg/L**
SampType: **MSD** Run ID: **CETAC2_HG_241002A** Analysis Date: **10/2/2024 1:29:50 PM** Prep Date: **10/2/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00980	0.00100	0.0100	0	98.0	80	120	4.00	15	

Sample ID: **2409213-01CPDS** Batch ID: **117388** TestNo: **SW7470A** Units: **mg/L**
SampType: **PDS** Run ID: **CETAC2_HG_241002A** Analysis Date: **10/2/2024 1:32:06 PM** Prep Date: **10/2/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0122	0.00100	0.0125	0	97.2	85	115			

Sample ID: **2409213-01CSD** Batch ID: **117388** TestNo: **SW7470A** Units: **mg/L**
SampType: **SD** Run ID: **CETAC2_HG_241002A** Analysis Date: **10/2/2024 1:34:22 PM** Prep Date: **10/2/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	<0.00200	0.00500	0	0				0	10	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_241002A

Sample ID: **ICV-241002**	Batch ID: **R135477**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **ICV**	Run ID: **CETAC2_HG_241002A**	Analysis Date: **10/2/2024 1:04:51 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00393	0.000200	0.00400	0	98.2	90	110			

Sample ID: **CCV1-241002**	Batch ID: **R135477**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_241002A**	Analysis Date: **10/2/2024 1:50:16 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00200	0.000200	0.00200	0	100	90	110			

Sample ID: **CCV2-241002**	Batch ID: **R135477**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_241002A**	Analysis Date: **10/2/2024 2:19:53 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00197	0.000200	0.00200	0	98.5	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_240910A

Sample ID: **DCS2-117075**	Batch ID: **117075**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS2**	Run ID: **ICP-MS4_240910A**	Analysis Date: **9/10/2024 11:05:00 AM**	Prep Date: **9/6/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.298	0.300	0.300	0	99.2	70	130	0	0	

Sample ID: **DCS3-117075**	Batch ID: **117075**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS3**	Run ID: **ICP-MS4_240910A**	Analysis Date: **9/10/2024 11:07:00 AM**	Prep Date: **9/6/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lithium	0.00541	0.0100	0.00500	0	108	70	130	0	0	

Sample ID: **DCS4-117075**	Batch ID: **117075**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS4**	Run ID: **ICP-MS4_240910A**	Analysis Date: **9/10/2024 11:10:00 AM**	Prep Date: **9/6/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0292	0.0300	0.0300	0	97.3	70	130	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_241001A

The QC data in batch 117366 applies to the following samples: 2409216-01A, 2409216-02A, 2409216-03A, 2409216-04A, 2409216-05A, 2409216-06A, 2409216-07A, 2409216-08A, 2409216-09A, 2409216-10A

Sample ID: **MB-117366**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MBLK**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 2:11:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	<0.0100	0.0300								

Sample ID: **LCS-117366**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCS**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 2:13:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.190	0.0300	0.200	0	95.0	80	120			

Sample ID: **LCSD-117366**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCSD**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 2:15:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.190	0.0300	0.200	0	95.2	80	120	0.172	15	

Sample ID: **2409216-02A SD**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **SD**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 2:21:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	101	15.0	0	101				0.051	20	

Sample ID: **2409216-02A PDS**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **PDS**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 2:41:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	149	3.00	50.0	101	96.0	75	125			

Sample ID: **2409216-02A MS**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MS**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 2:43:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	106	3.00	5.00	101	93.7	75	125			

Sample ID: **2409216-02A MSD**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MSD**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 2:45:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	104	3.00	5.00	101	69.5	75	125	1.16	15	S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_241001A

Sample ID: **ICV-241001**	Batch ID: **R135460**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 9:26:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0916	0.0300	0.100	0	91.6	90	110			
Calcium	2.39	0.300	2.50	0	95.6	90	110			

Sample ID: **LCVL-241001**	Batch ID: **R135460**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 9:38:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0203	0.0300	0.0200	0	102	80	120			
Calcium	0.0933	0.300	0.100	0	93.3	80	120			

Sample ID: **CCV4-241001**	Batch ID: **R135460**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 1:30:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.193	0.0300	0.200	0	96.7	90	110			
Calcium	4.53	0.300	5.00	0	90.6	90	110			

Sample ID: **CCV5-241001**	Batch ID: **R135460**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_241001A**	Analysis Date: **10/1/2024 2:47:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.194	0.0300	0.200	0	97.1	90	110			
Calcium	4.60	0.300	5.00	0	92.1	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_241002A

The QC data in batch 117366 applies to the following samples: 2409216-01A, 2409216-02A, 2409216-03A, 2409216-04A, 2409216-05A, 2409216-06A, 2409216-07A, 2409216-08A, 2409216-09A, 2409216-10A

Sample ID: **MB-117366**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MBLK**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 2:46:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lithium	<0.00500	0.0100								

Sample ID: **LCS-117366**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCS**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 2:48:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lithium	0.192	0.0100	0.200	0	96.2	80	120			

Sample ID: **LCSD-117366**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCSD**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 2:50:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lithium	0.190	0.0100	0.200	0	95.1	80	120	1.15	15	

Sample ID: **2409216-02A SD**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **SD**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 2:57:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.165	0.150	0	0.152				8.20	20	
Lithium	<0.0250	0.0500	0	0.0174				0	20	

Sample ID: **2409216-02A PDS**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **PDS**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 3:03:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.332	0.0300	0.200	0.152	90.0	75	125			
Lithium	0.205	0.0100	0.200	0.0174	94.0	75	125			

Sample ID: **2409216-02A MS**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MS**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 3:05:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.341	0.0300	0.200	0.152	94.8	75	125			
Lithium	0.200	0.0100	0.200	0.0174	91.3	75	125			

Sample ID: **2409216-02A MSD**	Batch ID: **117366**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MSD**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 3:07:00 PM**	Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_241002A

Sample ID: **2409216-02A MSD** Batch ID: **117366** TestNo: **SW6020B** Units: **mg/L**
SampType: **MSD** Run ID: **ICP-MS4_241002A** Analysis Date: **10/2/2024 3:07:00 PM** Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.357	0.0300	0.200	0.152	103	75	125	4.48	15	
Lithium	0.205	0.0100	0.200	0.0174	93.6	75	125	2.29	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_241002A

Sample ID: **ICV-241002**	Batch ID: **R135486**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 10:30:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0981	0.0300	0.100	0	98.1	90	110			
Lithium	0.101	0.0100	0.100	0	101	90	110			

Sample ID: **LCVL-241002**	Batch ID: **R135486**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 10:46:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0200	0.0300	0.0200	0	100	80	120			
Lithium	0.00888	0.0100	0.0100	0	88.8	80	120			

Sample ID: **CCV6-241002**	Batch ID: **R135486**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 2:42:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.197	0.0300	0.200	0	98.3	90	110			
Lithium	0.197	0.0100	0.200	0	98.3	90	110			

Sample ID: **CCV7-241002**	Batch ID: **R135486**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 3:11:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.204	0.0300	0.200	0	102	90	110			
Lithium	0.202	0.0100	0.200	0	101	90	110			

Sample ID: **CCV8-241002**	Batch ID: **R135486**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_241002A**	Analysis Date: **10/2/2024 3:31:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lithium	0.202	0.0100	0.200	0	101	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_240909A

Sample ID: **DCS1-117075**	Batch ID: **117075**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS**	Run ID: **ICP-MS5_240909A**	Analysis Date: **9/9/2024 10:07:00 AM**	Prep Date: **9/6/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.000991	0.00250	0.00100	0	99.1	70	130	0	0	
Beryllium	0.000529	0.00100	0.000500	0	106	70	130	0	0	
Cadmium	0.000518	0.00100	0.000500	0	104	70	130	0	0	
Lead	0.000500	0.00100	0.000500	0	100	70	130	0	0	
Thallium	0.000484	0.00150	0.000500	0	96.8	70	130	0	0	

Sample ID: **DCS2-117075**	Batch ID: **117075**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS2**	Run ID: **ICP-MS5_240909A**	Analysis Date: **9/9/2024 10:10:00 AM**	Prep Date: **9/6/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.282	0.300	0.300	0	94.0	70	130	0	0	

Sample ID: **DCS3-117075**	Batch ID: **117075**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS3**	Run ID: **ICP-MS5_240909A**	Analysis Date: **9/9/2024 10:14:00 AM**	Prep Date: **9/6/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.00494	0.00500	0.00500	0	98.7	70	130	0	0	
Barium	0.00517	0.0100	0.00500	0	103	70	130	0	0	
Chromium	0.00495	0.00500	0.00500	0	99.0	70	130	0	0	
Cobalt	0.00496	0.00500	0.00500	0	99.3	70	130	0	0	
Molybdenum	0.00472	0.00500	0.00500	0	94.5	70	130	0	0	
Selenium	0.00511	0.00500	0.00500	0	102	70	130	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_241001B

The QC data in batch 117366 applies to the following samples: 2409216-01A, 2409216-02A, 2409216-03A, 2409216-04A, 2409216-05A, 2409216-06A, 2409216-07A, 2409216-08A, 2409216-09A, 2409216-10A

Sample ID: **MB-117366** Batch ID: **117366** TestNo: **SW6020B** Units: **mg/L**
SampType: **MBLK** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 1:25:00 PM** Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	<0.000800	0.00250								
Arsenic	<0.00200	0.00500								
Barium	<0.00300	0.0100								
Beryllium	<0.000300	0.00100								
Cadmium	<0.000300	0.00100								
Calcium	<0.100	0.300								
Chromium	<0.00200	0.00500								
Cobalt	<0.00300	0.00500								
Lead	<0.000300	0.00100								
Molybdenum	<0.00200	0.00500								
Selenium	<0.00200	0.00500								
Thallium	<0.000500	0.00150								

Sample ID: **LCS-117366** Batch ID: **117366** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCS** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 1:29:00 PM** Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.200	0.00250	0.200	0	100	80	120			
Arsenic	0.198	0.00500	0.200	0	99.2	80	120			
Barium	0.201	0.0100	0.200	0	101	80	120			
Beryllium	0.195	0.00100	0.200	0	97.7	80	120			
Cadmium	0.205	0.00100	0.200	0	102	80	120			
Calcium	4.76	0.300	5.00	0	95.3	80	120			
Chromium	0.206	0.00500	0.200	0	103	80	120			
Cobalt	0.204	0.00500	0.200	0	102	80	120			
Lead	0.198	0.00100	0.200	0	98.9	80	120			
Molybdenum	0.202	0.00500	0.200	0	101	80	120			
Selenium	0.210	0.00500	0.200	0	105	80	120			
Thallium	0.203	0.00150	0.200	0	101	80	120			

Sample ID: **LCSD-117366** Batch ID: **117366** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCSD** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 1:33:00 PM** Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.199	0.00250	0.200	0	99.4	80	120	0.658	15	
Arsenic	0.197	0.00500	0.200	0	98.4	80	120	0.800	15	
Barium	0.200	0.0100	0.200	0	99.9	80	120	0.732	15	
Beryllium	0.194	0.00100	0.200	0	96.8	80	120	0.889	15	
Cadmium	0.204	0.00100	0.200	0	102	80	120	0.517	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_241001B

Sample ID: **LCSD-117366** Batch ID: **117366** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCSD** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 1:33:00 PM** Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.70	0.300	5.00	0	94.0	80	120	1.38	15	
Chromium	0.204	0.00500	0.200	0	102	80	120	0.837	15	
Cobalt	0.203	0.00500	0.200	0	102	80	120	0.407	15	
Lead	0.197	0.00100	0.200	0	98.5	80	120	0.457	15	
Molybdenum	0.201	0.00500	0.200	0	101	80	120	0.434	15	
Selenium	0.210	0.00500	0.200	0	105	80	120	0.119	15	
Thallium	0.202	0.00150	0.200	0	101	80	120	0.294	15	

Sample ID: **2409216-02A SD** Batch ID: **117366** TestNo: **SW6020B** Units: **mg/L**
SampType: **SD** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 1:41:00 PM** Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	<0.00400	0.0125	0	0				0	20	
Arsenic	<0.0100	0.0250	0	0.00960				0	20	
Barium	0.0593	0.0500	0	0.0592				0.150	20	
Beryllium	<0.00150	0.00500	0	0				0	20	
Cadmium	<0.00150	0.00500	0	0				0	20	
Chromium	<0.0100	0.0250	0	0				0	20	
Cobalt	<0.0150	0.0250	0	0				0	20	
Lead	<0.00150	0.00500	0	0				0	20	
Molybdenum	<0.0100	0.0250	0	0				0	20	
Selenium	<0.0100	0.0250	0	0				0	20	
Thallium	<0.00250	0.00750	0	0				0	20	

Sample ID: **2409216-02A PDS** Batch ID: **117366** TestNo: **SW6020B** Units: **mg/L**
SampType: **PDS** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 2:06:00 PM** Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.198	0.00250	0.200	0	99.2	75	125			
Arsenic	0.199	0.00500	0.200	0.00960	94.7	75	125			
Barium	0.254	0.0100	0.200	0.0592	97.5	75	125			
Beryllium	0.187	0.00100	0.200	0	93.3	75	125			
Cadmium	0.198	0.00100	0.200	0	99.2	75	125			
Chromium	0.204	0.00500	0.200	0	102	75	125			
Cobalt	0.199	0.00500	0.200	0	99.5	75	125			
Lead	0.194	0.00100	0.200	0	97.0	75	125			
Molybdenum	0.199	0.00500	0.200	0	99.5	75	125			
Selenium	0.194	0.00500	0.200	0	96.8	75	125			
Thallium	0.201	0.00150	0.200	0	100	75	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_241001B

Sample ID: **2409216-02A MS** Batch ID: **117366** TestNo: **SW6020B** Units: **mg/L**
SampType: **MS** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 2:09:00 PM** Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.199	0.00250	0.200	0	99.5	75	125			
Arsenic	0.208	0.00500	0.200	0.00960	99.3	75	125			
Barium	0.261	0.0100	0.200	0.0592	101	75	125			
Beryllium	0.189	0.00100	0.200	0	94.7	75	125			
Cadmium	0.201	0.00100	0.200	0	100	75	125			
Chromium	0.204	0.00500	0.200	0	102	75	125			
Cobalt	0.201	0.00500	0.200	0	100	75	125			
Lead	0.198	0.00100	0.200	0	99.1	75	125			
Molybdenum	0.204	0.00500	0.200	0	102	75	125			
Selenium	0.199	0.00500	0.200	0	99.6	75	125			
Thallium	0.206	0.00150	0.200	0	103	75	125			

Sample ID: **2409216-02A MSD** Batch ID: **117366** TestNo: **SW6020B** Units: **mg/L**
SampType: **MSD** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 2:11:00 PM** Prep Date: **9/30/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.199	0.00250	0.200	0	99.6	75	125	0.050	15	
Arsenic	0.208	0.00500	0.200	0.00960	99.4	75	125	0.149	15	
Barium	0.261	0.0100	0.200	0.0592	101	75	125	0.023	15	
Beryllium	0.191	0.00100	0.200	0	95.3	75	125	0.601	15	
Cadmium	0.203	0.00100	0.200	0	101	75	125	0.968	15	
Chromium	0.206	0.00500	0.200	0	103	75	125	0.624	15	
Cobalt	0.201	0.00500	0.200	0	101	75	125	0.156	15	
Lead	0.199	0.00100	0.200	0	99.3	75	125	0.230	15	
Molybdenum	0.205	0.00500	0.200	0	103	75	125	0.425	15	
Selenium	0.202	0.00500	0.200	0	101	75	125	1.60	15	
Thallium	0.207	0.00150	0.200	0	103	75	125	0.651	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Sample ID: **ICV-241001** Batch ID: **R135457** TestNo: **SW6020B** Units: **mg/L**
SampType: **ICV** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 10:11:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.101	0.00250	0.100	0	101	90	110			
Arsenic	0.102	0.00500	0.100	0	102	90	110			
Barium	0.102	0.0100	0.100	0	102	90	110			
Beryllium	0.0966	0.00100	0.100	0	96.6	90	110			
Cadmium	0.103	0.00100	0.100	0	103	90	110			
Calcium	2.53	0.300	2.50	0	101	90	110			
Chromium	0.103	0.00500	0.100	0	103	90	110			
Cobalt	0.104	0.00500	0.100	0	104	90	110			
Lead	0.0993	0.00100	0.100	0	99.3	90	110			
Molybdenum	0.0985	0.00500	0.100	0	98.5	90	110			
Selenium	0.103	0.00500	0.100	0	103	90	110			
Thallium	0.0958	0.00150	0.100	0	95.8	90	110			

Sample ID: **LCVL-241001** Batch ID: **R135457** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCVL** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 10:22:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.00198	0.00250	0.00200	0	98.8	80	120			
Arsenic	0.00494	0.00500	0.00500	0	98.8	80	120			
Barium	0.00510	0.0100	0.00500	0	102	80	120			
Beryllium	0.00101	0.00100	0.00100	0	101	80	120			
Cadmium	0.00106	0.00100	0.00100	0	106	80	120			
Calcium	0.103	0.300	0.100	0	103	80	120			
Chromium	0.00521	0.00500	0.00500	0	104	80	120			
Cobalt	0.00515	0.00500	0.00500	0	103	80	120			
Lead	0.00103	0.00100	0.00100	0	103	80	120			
Molybdenum	0.00505	0.00500	0.00500	0	101	80	120			
Selenium	0.00522	0.00500	0.00500	0	104	80	120			
Thallium	0.000945	0.00150	0.00100	0	94.5	80	120			

Sample ID: **CCV2-241001** Batch ID: **R135457** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS5_241001B** Analysis Date: **10/1/2024 11:51:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.197	0.00250	0.200	0	98.4	90	110			
Arsenic	0.198	0.00500	0.200	0	99.0	90	110			
Barium	0.197	0.0100	0.200	0	98.6	90	110			
Beryllium	0.182	0.00100	0.200	0	91.1	90	110			
Cadmium	0.199	0.00100	0.200	0	99.4	90	110			
Calcium	4.72	0.300	5.00	0	94.4	90	110			
Chromium	0.206	0.00500	0.200	0	103	90	110			

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_241001B

Sample ID: **CCV2-241001**	Batch ID: **R135457**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS5_241001B**	Analysis Date: **10/1/2024 11:51:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cobalt	0.205	0.00500	0.200	0	102	90	110			
Lead	0.195	0.00100	0.200	0	97.3	90	110			
Molybdenum	0.199	0.00500	0.200	0	99.6	90	110			
Selenium	0.204	0.00500	0.200	0	102	90	110			
Thallium	0.204	0.00150	0.200	0	102	90	110			

Sample ID: **CCV3-241001**	Batch ID: **R135457**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS5_241001B**	Analysis Date: **10/1/2024 2:15:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.202	0.00250	0.200	0	101	90	110			
Arsenic	0.204	0.00500	0.200	0	102	90	110			
Barium	0.202	0.0100	0.200	0	101	90	110			
Beryllium	0.190	0.00100	0.200	0	95.2	90	110			
Cadmium	0.206	0.00100	0.200	0	103	90	110			
Calcium	4.84	0.300	5.00	0	96.7	90	110			
Chromium	0.209	0.00500	0.200	0	104	90	110			
Cobalt	0.211	0.00500	0.200	0	105	90	110			
Lead	0.198	0.00100	0.200	0	99.2	90	110			
Molybdenum	0.204	0.00500	0.200	0	102	90	110			
Selenium	0.211	0.00500	0.200	0	106	90	110			
Thallium	0.206	0.00150	0.200	0	103	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_240925A

Sample ID: **DCS3-117312** Batch ID: **117312** TestNo: **E300** Units: **mg/L**
SampType: **DCS3** Run ID: **IC4_240925A** Analysis Date: **9/25/2024 8:02:30 PM** Prep Date: **9/25/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	0.892	1.00	1.000	0	89.2	70	130	0	0	
Fluoride	0.370	0.400	0.4000	0	92.4	70	130	0	0	
Sulfate	2.71	3.00	3.000	0	90.4	70	130	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_240929A

The QC data in batch 117364 applies to the following samples: 2409216-01B, 2409216-02B, 2409216-03B, 2409216-04B, 2409216-05B, 2409216-06B, 2409216-07B, 2409216-08B, 2409216-09B, 2409216-10B

Sample ID: **MB-117364** Batch ID: **117364** TestNo: **E300** Units: **mg/L**
SampType: **MBLK** Run ID: **IC4_240929A** Analysis Date: **9/29/2024 7:57:43 PM** Prep Date: **9/29/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	<0.300	1.00								
Fluoride	<0.100	0.400								
Sulfate	<1.00	3.00								

Sample ID: **LCS-117364** Batch ID: **117364** TestNo: **E300** Units: **mg/L**
SampType: **LCS** Run ID: **IC4_240929A** Analysis Date: **9/29/2024 8:17:43 PM** Prep Date: **9/29/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.32	1.00	10.00	0	93.2	90	110			
Fluoride	3.67	0.400	4.000	0	91.9	90	110			
Sulfate	27.7	3.00	30.00	0	92.3	90	110			

Sample ID: **LCSD-117364** Batch ID: **117364** TestNo: **E300** Units: **mg/L**
SampType: **LCSD** Run ID: **IC4_240929A** Analysis Date: **9/29/2024 8:37:43 PM** Prep Date: **9/29/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.38	1.00	10.00	0	93.8	90	110	0.659	20	
Fluoride	3.70	0.400	4.000	0	92.6	90	110	0.775	20	
Sulfate	27.7	3.00	30.00	0	92.4	90	110	0.151	20	

Sample ID: **2409216-05BMS** Batch ID: **117364** TestNo: **E300** Units: **mg/L**
SampType: **MS** Run ID: **IC4_240929A** Analysis Date: **9/29/2024 9:57:43 PM** Prep Date: **9/29/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	240	10.0	200.0	47.16	96.5	90	110			
Fluoride	184	4.00	200.0	0	91.9	90	110			
Sulfate	277	30.0	200.0	84.66	96.2	90	110			

Sample ID: **2409216-05BMSD** Batch ID: **117364** TestNo: **E300** Units: **mg/L**
SampType: **MSD** Run ID: **IC4_240929A** Analysis Date: **9/29/2024 10:17:43 PM** Prep Date: **9/29/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	238	10.0	200.0	47.16	95.5	90	110	0.814	20	
Fluoride	182	4.00	200.0	0	90.9	90	110	1.17	20	
Sulfate	276	30.0	200.0	84.66	95.5	90	110	0.510	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_240929A

Sample ID: **2409225-04BMS**	Batch ID: **117364**	TestNo: **E300**	Units: **mg/L**
SampType: **MS**	Run ID: **IC4_240929A**	Analysis Date: **9/30/2024 12:17:43 AM**	Prep Date: **9/29/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	197	10.0	200.0	14.34	91.2	90	110			
Fluoride	181	4.00	200.0	0	90.7	90	110			
Sulfate	709	30.0	200.0	478.1	115	90	110			S

Sample ID: **2409225-04BMSD**	Batch ID: **117364**	TestNo: **E300**	Units: **mg/L**
SampType: **MSD**	Run ID: **IC4_240929A**	Analysis Date: **9/30/2024 12:37:43 AM**	Prep Date: **9/29/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	198	10.0	200.0	14.34	91.6	90	110	0.441	20	
Fluoride	182	4.00	200.0	0	91.1	90	110	0.490	20	
Sulfate	711	30.0	200.0	478.1	116	90	110	0.311	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_240929A

Sample ID: **ICV-240929**	Batch ID: **R135456**	TestNo: **E300**	Units: **mg/L**
SampType: **ICV**	Run ID: **IC4_240929A**	Analysis Date: **9/29/2024 7:17:43 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	23.9	1.00	25.00	0	95.5	90	110			
Fluoride	9.38	0.400	10.00	0	93.8	90	110			
Sulfate	70.1	3.00	75.00	0	93.4	90	110			

Sample ID: **CCV1-240929**	Batch ID: **R135456**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC4_240929A**	Analysis Date: **9/30/2024 2:17:43 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.40	1.00	10.00	0	94.0	90	110			
Fluoride	3.70	0.400	4.000	0	92.5	90	110			
Sulfate	27.9	3.00	30.00	0	92.9	90	110			

Sample ID: **CCV2-240929**	Batch ID: **R135456**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC4_240929A**	Analysis Date: **9/30/2024 6:57:42 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.39	1.00	10.00	0	93.9	90	110			
Fluoride	3.71	0.400	4.000	0	92.9	90	110			
Sulfate	27.9	3.00	30.00	0	93.0	90	110			

Sample ID: **CCV3-240929**	Batch ID: **R135456**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC4_240929A**	Analysis Date: **9/30/2024 11:37:42 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.43	1.00	10.00	0	94.3	90	110			
Fluoride	3.73	0.400	4.000	0	93.3	90	110			
Sulfate	27.9	3.00	30.00	0	93.0	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_241001B

The QC data in batch 117389 applies to the following samples: 2409216-06B

Sample ID: **MB-117389**	Batch ID: **117389**	TestNo: **E300**	Units: **mg/L**
SampType: **MBLK**	Run ID: **IC4_241001B**	Analysis Date: **10/1/2024 10:50:22 AM**	Prep Date: **10/1/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	<0.300	1.00								

Sample ID: **LCS-117389**	Batch ID: **117389**	TestNo: **E300**	Units: **mg/L**
SampType: **LCS**	Run ID: **IC4_241001B**	Analysis Date: **10/1/2024 11:10:22 AM**	Prep Date: **10/1/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.34	1.00	10.00	0	93.4	90	110			

Sample ID: **LCSD-117389**	Batch ID: **117389**	TestNo: **E300**	Units: **mg/L**
SampType: **LCSD**	Run ID: **IC4_241001B**	Analysis Date: **10/1/2024 11:30:22 AM**	Prep Date: **10/1/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.31	1.00	10.00	0	93.1	90	110	0.329	20	

Sample ID: **2409234-01GMS**	Batch ID: **117389**	TestNo: **E300**	Units: **mg/L**
SampType: **MS**	Run ID: **IC4_241001B**	Analysis Date: **10/1/2024 1:08:19 PM**	Prep Date: **10/1/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	403	10.0	200.0	242.4	80.1	90	110			S

Sample ID: **2409234-01GMSD**	Batch ID: **117389**	TestNo: **E300**	Units: **mg/L**
SampType: **MSD**	Run ID: **IC4_241001B**	Analysis Date: **10/1/2024 1:28:19 PM**	Prep Date: **10/1/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	400	10.0	200.0	242.4	78.9	90	110	0.593	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_241001B

Sample ID: **ICV-241001**	Batch ID: **R135463**	TestNo: **E300**	Units: **mg/L**
SampType: **ICV**	Run ID: **IC4_241001B**	Analysis Date: **10/1/2024 10:10:22 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	23.7	1.00	25.00	0	94.7	90	110			

Sample ID: **CCV2-241001**	Batch ID: **R135463**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC4_241001B**	Analysis Date: **10/1/2024 3:18:31 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.45	1.00	10.00	0	94.5	90	110			

Sample ID: **CCV3-241001**	Batch ID: **R135463**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC4_241001B**	Analysis Date: **10/1/2024 8:32:57 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.45	1.00	10.00	0	94.5	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: WC_240927C

The QC data in batch 117363 applies to the following samples: 2409216-01B, 2409216-02B, 2409216-03B, 2409216-04B

Sample ID: **MB-117363**	Batch ID: **117363**	TestNo: **M2540C**	Units: **mg/L**
SampType: **MBLK**	Run ID: **WC_240927C**	Analysis Date: **9/27/2024 4:45:00 PM**	Prep Date: **9/27/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	<10.0	10.0								

Sample ID: **LCS-117363**	Batch ID: **117363**	TestNo: **M2540C**	Units: **mg/L**
SampType: **LCS**	Run ID: **WC_240927C**	Analysis Date: **9/27/2024 4:45:00 PM**	Prep Date: **9/27/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	742	10.0	745.6	0	99.5	90	113			

Sample ID: **2409223-02C-DUP**	Batch ID: **117363**	TestNo: **M2540C**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_240927C**	Analysis Date: **9/27/2024 4:45:00 PM**	Prep Date: **9/27/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	4220	50.0	0	4370				3.49	5	

Sample ID: **2409225-06B-DUP**	Batch ID: **117363**	TestNo: **M2540C**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_240927C**	Analysis Date: **9/27/2024 4:45:00 PM**	Prep Date: **9/27/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	2560	50.0	0	2570				0.585	5	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

ANALYTICAL QC SUMMARY REPORT

RunID: WC_241001D

The QC data in batch 117399 applies to the following samples: 2409216-05B, 2409216-06B, 2409216-07B, 2409216-08B, 2409216-09B, 2409216-10B

Sample ID: **MB-117399** Batch ID: **117399** TestNo: **M2540C** Units: **mg/L**
SampType: **MBLK** Run ID: **WC_241001D** Analysis Date: **10/1/2024 5:05:00 PM** Prep Date: **10/1/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	<10.0	10.0								

Sample ID: **LCS-117399** Batch ID: **117399** TestNo: **M2540C** Units: **mg/L**
SampType: **LCS** Run ID: **WC_241001D** Analysis Date: **10/1/2024 5:05:00 PM** Prep Date: **10/1/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	721	10.0	745.6	0	96.7	90	113			

Sample ID: **2409214-01D-DUP** Batch ID: **117399** TestNo: **M2540C** Units: **mg/L**
SampType: **DUP** Run ID: **WC_241001D** Analysis Date: **10/1/2024 5:05:00 PM** Prep Date: **10/1/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	2330	50.0	0	2345				0.857	5	

Sample ID: **2409222-01D-DUP** Batch ID: **117399** TestNo: **M2540C** Units: **mg/L**
SampType: **DUP** Run ID: **WC_241001D** Analysis Date: **10/1/2024 5:05:00 PM** Prep Date: **10/1/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	3150	50.0	0	2985				5.38	5	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: BBA Engineering
Work Order: 2409216
Project: Coleto Creek - CCR

MQL SUMMARY REPORT

TestNo: E300	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Chloride	0.300	1.00
Fluoride	0.100	0.400
Sulfate	1.00	3.00

TestNo: SW6020B	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Antimony	0.000800	0.00250
Arsenic	0.00200	0.00500
Barium	0.00300	0.0100
Beryllium	0.000300	0.00100
Boron	0.0100	0.0300
Cadmium	0.000300	0.00100
Calcium	0.100	0.300
Chromium	0.00200	0.00500
Cobalt	0.00300	0.00500
Lead	0.000300	0.00100
Lithium	0.00500	0.0100
Molybdenum	0.00200	0.00500
Selenium	0.00200	0.00500
Thallium	0.000500	0.00150

TestNo: SW7470A	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Mercury	0.0000800	0.000200

TestNo: M2540C	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Total Dissolved Solids (Residue, Filt	10.0	10.0

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

SUBCONTRACT REPORT

ANALYTICAL REPORT

October 29, 2024

DHL Analytical, Inc.

Sample Delivery Group:	L1783521
Samples Received:	09/30/2024
Project Number:	2409216
Description:	

Report To: John DuPont
2300 Double Creek Drive
Round Rock, TX 78664

Entire Report Reviewed By:

Donna Eidson
Project Manager

TABLE OF CONTENTS

MW-10 L1783521-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/24/24 14:20	09/30/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2382783	1	10/15/24 23:21	10/25/24 19:13	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2381907	1	10/15/24 14:09	10/25/24 19:13	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2381907	1	10/15/24 14:09	10/22/24 16:44	ZRG	Mt. Juliet, TN

MW-5 L1783521-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/24/24 15:20	09/30/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2382783	1	10/15/24 23:21	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2381907	1	10/15/24 14:09	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2381907	1	10/15/24 14:09	10/22/24 16:44	ZRG	Mt. Juliet, TN

MW-9 L1783521-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/24/24 16:15	09/30/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2382783	1	10/15/24 23:21	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2381907	1	10/15/24 14:09	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2381907	1	10/15/24 14:09	10/22/24 16:44	ZRG	Mt. Juliet, TN

DUP-1 L1783521-04 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/24/24 14:15	09/30/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2382783	1	10/15/24 23:21	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2381907	1	10/15/24 14:09	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2381907	1	10/15/24 14:09	10/22/24 16:44	ZRG	Mt. Juliet, TN

MW-6 L1783521-05 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/25/24 08:15	09/30/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2382783	1	10/15/24 23:21	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2381907	1	10/15/24 14:09	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2381907	1	10/15/24 14:09	10/22/24 16:44	ZRG	Mt. Juliet, TN

MW-8 L1783521-06 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/25/24 10:15	09/30/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2382783	1	10/15/24 23:21	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2381907	1	10/15/24 14:09	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2381907	1	10/15/24 14:09	10/22/24 16:44	ZRG	Mt. Juliet, TN

BV-21 L1783521-07 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/25/24 11:20	09/30/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2382783	1	10/15/24 23:21	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2381907	1	10/15/24 14:09	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2381907	1	10/15/24 14:09	10/22/24 16:44	ZRG	Mt. Juliet, TN

MW-4 L1783521-08 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/25/24 12:15	09/30/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2382783	1	10/15/24 23:21	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2381907	1	10/15/24 14:09	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2381907	1	10/15/24 14:09	10/22/24 16:44	ZRG	Mt. Juliet, TN

BV-5 L1783521-09 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/25/24 13:30	09/30/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2382783	1	10/15/24 23:21	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2381907	1	10/15/24 14:09	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2381907	1	10/15/24 14:09	10/22/24 16:44	ZRG	Mt. Juliet, TN

MW-11 L1783521-10 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/25/24 16:35	09/30/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2382783	1	10/15/24 23:21	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2381907	1	10/15/24 14:09	10/25/24 23:00	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2381907	1	10/15/24 14:09	10/22/24 16:44	ZRG	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 radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Donna Eidson
Project Manager

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.62		0.533	0.999	0.972	0.510	10/25/2024 19:13	WG2382783
(T) Barium	*104*					*30.0-143*	*10/25/2024 19:13*	WG2382783
(T) Yttrium	*98.9*					*30.0-136*	*10/25/2024 19:13*	WG2382783

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.02		0.652	1.08	10/25/2024 19:13	WG2381907

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.408	J	0.376	0.652	0.478	0.313	10/22/2024 16:44	WG2381907
(T) Barium-133	*80.1*					*30.0-143*	*10/22/2024 16:44*	WG2381907

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

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.516		0.255	0.475	0.476	0.250	10/25/2024 23:00	WG2382783
(T) Barium	*82.4*					*30.0-143*	*10/25/2024 23:00*	WG2382783
(T) Yttrium	*103*					*30.0-136*	*10/25/2024 23:00*	WG2382783

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.724		0.400	0.661	10/25/2024 23:00	WG2381907

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.209	J	0.308	0.507	0.459	0.312	10/22/2024 16:44	WG2381907
(T) Barium-133	*70.1*					*30.0-143*	*10/22/2024 16:44*	WG2381907

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.41		0.350	0.588	0.633	0.330	10/25/2024 23:00	WG2382783
(T) Barium	*72.9*					*30.0-143*	*10/25/2024 23:00*	WG2382783
(T) Yttrium	*102*					*30.0-136*	*10/25/2024 23:00*	WG2382783

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.17		0.561	0.763	10/25/2024 23:00	WG2381907

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.756		0.439	0.878	0.426	0.290	10/22/2024 16:44	WG2381907
(T) Barium-133	*75.7*					*30.0-143*	*10/22/2024 16:44*	WG2381907

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

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.610		0.292	0.510	0.544	0.284	10/25/2024 23:00	WG2382783
(T) Barium	*83.8*					*30.0-143*	*10/25/2024 23:00*	WG2382783
(T) Yttrium	*100*					*30.0-136*	*10/25/2024 23:00*	WG2382783

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.875		0.439	0.712	10/25/2024 23:00	WG2381907

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.265	J	0.328	0.520	0.460	0.307	10/22/2024 16:44	WG2381907
(T) Barium-133	*75.4*					*30.0-143*	*10/22/2024 16:44*	WG2381907

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	-0.825	U	0.416	0.670	0.821	0.427	10/25/2024 23:00	WG2382783
(T) Barium	*73.1*					*30.0-143*	*10/25/2024 23:00*	WG2382783
(T) Yttrium	*83.9*					*30.0-136*	*10/25/2024 23:00*	WG2382783

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.262	U	0.511	0.914	10/25/2024 23:00	WG2381907

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.262	J	0.296	0.486	0.402	0.271	10/22/2024 16:44	WG2381907
(T) Barium-133	*82.5*					*30.0-143*	*10/22/2024 16:44*	WG2381907

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.798		0.299	0.518	0.552	0.288	10/25/2024 23:00	WG2382783
(T) Barium	*83.0*					*30.0-143*	*10/25/2024 23:00*	WG2382783
(T) Yttrium	*110*					*30.0-136*	*10/25/2024 23:00*	WG2382783

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.18		0.487	0.747	10/25/2024 23:00	WG2381907

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.381	J	0.385	0.672	0.503	0.334	10/22/2024 16:44	WG2381907
(T) Barium-133	*71.0*					*30.0-143*	*10/22/2024 16:44*	WG2381907

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.21		0.276	0.479	0.497	0.259	10/25/2024 23:00	WG2382783
(T) Barium	*95.2*					*30.0-143*	*10/25/2024 23:00*	WG2382783
(T) Yttrium	*113*					*30.0-136*	*10/25/2024 23:00*	WG2382783

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.59		0.422	0.634	10/25/2024 23:00	WG2381907

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.376	J	0.319	0.536	0.393	0.257	10/22/2024 16:44	WG2381907
(T) Barium-133	*94.9*					*30.0-143*	*10/22/2024 16:44*	WG2381907

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.22		0.365	0.596	0.668	0.347	10/25/2024 23:00	WG2382783
(T) Barium	*76.3*					*30.0-143*	*10/25/2024 23:00*	WG2382783
(T) Yttrium	*105*					*30.0-136*	*10/25/2024 23:00*	WG2382783

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.31		0.419	0.756	10/25/2024 23:00	WG2381907

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0919	U	0.205	0.312	0.355	0.254	10/22/2024 16:44	WG2381907
(T) Barium-133	*76.8*					*30.0-143*	*10/22/2024 16:44*	WG2381907

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.402	U	0.801	1.31	1.52	0.791	10/25/2024 23:00	WG2382783
(T) Barium	*84.0*					*30.0-143*	*10/25/2024 23:00*	WG2382783
(T) Yttrium	*113*					*30.0-136*	*10/25/2024 23:00*	WG2382783

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.721	J	0.838	1.54	10/25/2024 23:00	WG2381907

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.318		0.247	0.455	0.263	0.191	10/22/2024 16:44	WG2381907
(T) Barium-133	*97.1*					*30.0-143*	*10/22/2024 16:44*	WG2381907

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.18		0.285	0.493	0.515	0.269	10/25/2024 23:00	WG2382783
(T) Barium	*91.4*					*30.0-143*	*10/25/2024 23:00*	WG2382783
(T) Yttrium	*104*					*30.0-136*	*10/25/2024 23:00*	WG2382783

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.31		0.422	0.727	10/25/2024 23:00	WG2381907

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.125	U	0.311	0.432	0.513	0.342	10/22/2024 16:44	WG2381907
(T) Barium-133	*68.4*					*30.0-143*	*10/22/2024 16:44*	WG2381907

Method Blank (MB)

(MB) R4138714-1 10/25/24 19:13

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.263	J	0.154	0.288	0.151
(T) Barium	*107*		*107*		
(T) Yttrium	*94.2*		*94.2*		

Laboratory Control Sample (LCS)

(LCS) R4138714-2 10/25/24 19:13

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.75	115	80.0-120	
(T) Barium			*114*		
(T) Yttrium			*84.7*		

L1783521-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783521-01 10/25/24 19:13 • (MS) R4138714-3 10/25/24 19:13 • (MSD) R4138714-4 10/25/24 19:13

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	1.62	14.9	14.6	79.3	78.0	1	70.0-130			1.49		20
(T) Barium		*104*			*108*	*103*							
(T) Yttrium		*98.9*			*90.2*	*76.5*							

Method Blank (MB)

(MB) R4137154-1 10/23/24 11:29

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	-0.00480	U	0.0388	0.0724	0.0435
(T) Barium-133	*81.2*		*81.2*		

Laboratory Control Sample (LCS)

(LCS) R4137154-2 10/23/24 11:29

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.55	90.9	80.0-120	
(T) Barium-133			*72.5*		

L1783521-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783521-01 10/22/24 16:44 • (MS) R4137154-3 10/23/24 11:29 • (MSD) R4137154-4 10/23/24 11:29

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.408	18.1	16.0	88.6	78.0	1	75.0-125			12.4		20
(T) Barium-133		*80.1*			*74.2*	*72.1*							

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

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
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.
U	Below Detectable Limits: Indicates that the analyte was not detected.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

C008

DHL Analytical, Inc.
2300 Double Creek Drive
Round Rock, TX 78664
TEL: *(512) 388-8222* FAX:

CHAIN-OF-CUSTODY RECORD

Work Order: 2409216

Subcontractor:

Pace Analytical
12065 Lebanon Rd
Mt. Juliet, TN 37122

TEL: (615) 773-5923
FAX:
Acct #: DHLRRTX

L1787521

26-Sep-24

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests					
					Ra-228	Ra-226				
					E904.0	M7500 Ra B M				
MW-10	Aqueous	01C	09/24/24 02:20 PM	1LHDPEHNO3		1				301
MW-10	Aqueous	01D	09/24/24 02:20 PM	1LHDPEHNO3	1					
MW-5	Aqueous	02C	09/24/24 03:20 PM	1LHDPEHNO3		1				302
MW-5	Aqueous	02D	09/24/24 03:20 PM	1LHDPEHNO3	1					
MW-9	Aqueous	03C	09/24/24 04:15 PM	1LHDPEHNO3		1				303
MW-9	Aqueous	03D	09/24/24 04:15 PM	1LHDPEHNO3	1					
DUP-1	Aqueous	04C	09/24/24 04:15 PM	1LHDPEHNO3		1				304
DUP-1	Aqueous	04D	09/24/24 04:15 PM	1LHDPEHNO3	1					
MW-6	Aqueous	05C	09/25/24 08:15 AM	1LHDPEHNO3		1				305
MW-6	Aqueous	05D	09/25/24 08:15 AM	1LHDPEHNO3	1					
MW-8	Aqueous	06C	09/25/24 10:15 AM	1LHDPEHNO3		1				306
MW-8	Aqueous	06D	09/25/24 10:15 AM	1LHDPEHNO3	1					
BV-21	Aqueous	07C	09/25/24 11:20 AM	1LHDPEHNO3		1				307
BV-21	Aqueous	07D	09/25/24 11:20 AM	1LHDPEHNO3	1					
MW-4	Aqueous	08C	09/25/24 12:15 PM	1LHDPEHNO3		1				308
MW-4	Aqueous	08D	09/25/24 12:15 PM	1LHDPEHNO3	1					
BV-5	Aqueous	09C	09/25/24 01:30 PM	1LHDPEHNO3		1				-009

General Comments:

Please analyze these samples with Normal Turnaround Time.
Report Ra-226, Ra-228 & Combined per Specs.
Quality Control Package Needed: Standard - NELAC Rad Test compliant
Email to cac@dhlanalytical.com & Joel.Grice@spllabs.com

		Date/Time			Date/Time
Relinquished by:	E	9/26/24 1700	**Received by:**	Ashley Barton	09/30/2024 1000
Relinquished by:			**Received by:**		

DHL Analytical, Inc.
2300 Double Creek Drive
Round Rock, TX 78664
TEL: *(512) 388-8222* FAX:

CHAIN-OF-CUSTODY RECORD

Work Order: 2409216

Subcontractor:

Pace Analytical
12065 Lebanon Rd
Mt. Juliet, TN 37122

TEL: (615) 773-5923
FAX:
Acct #: DHLRRTX

26-Sep-24

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests					
					Ra-228	Ra-226				
					E904.0	M7500 Ra B M				
BV-5	Aqueous	09D	09/25/24 01:30 PM	1LHDPEHNO3	1					-09
MW-11	Aqueous	10C	09/25/24 04:35 PM	1LHDPEHNO3		1				3 to
MW-11	Aqueous	10D	09/25/24 04:35 PM	1LHDPEHNO3	1					

L1783524

MSA9AMB 12 970 R4003 1357 3233

Sample Receipt Checklist

COC Seal Present/Intact:	X Y N	If Applicable	
COC Signed/Accurate:	X Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	X Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	X Y N		

Containers: 20

General Comments:

Please analyze these samples with Normal Turnaround Time.
Report Ra-226, Ra-228 & Combined per Specs.
Quality Control Package Needed: Standard - NELAC Rad Test compliant
Email to cac@dhlanalytical.com & Joel.Grice@spllabs.com

		Date/Time			Date/Time
Relinquished by:	E	9/26/24 1700	**Received by:**		09/30/2024 1000
Relinquished by:			**Received by:**		

APPENDIX B

ASSESSMENT MONITORING PROGRAM
STATISTICAL DATA SUMMARY

Confidence Interval Graphs

EXPLANATION

95% Upper confidence limit

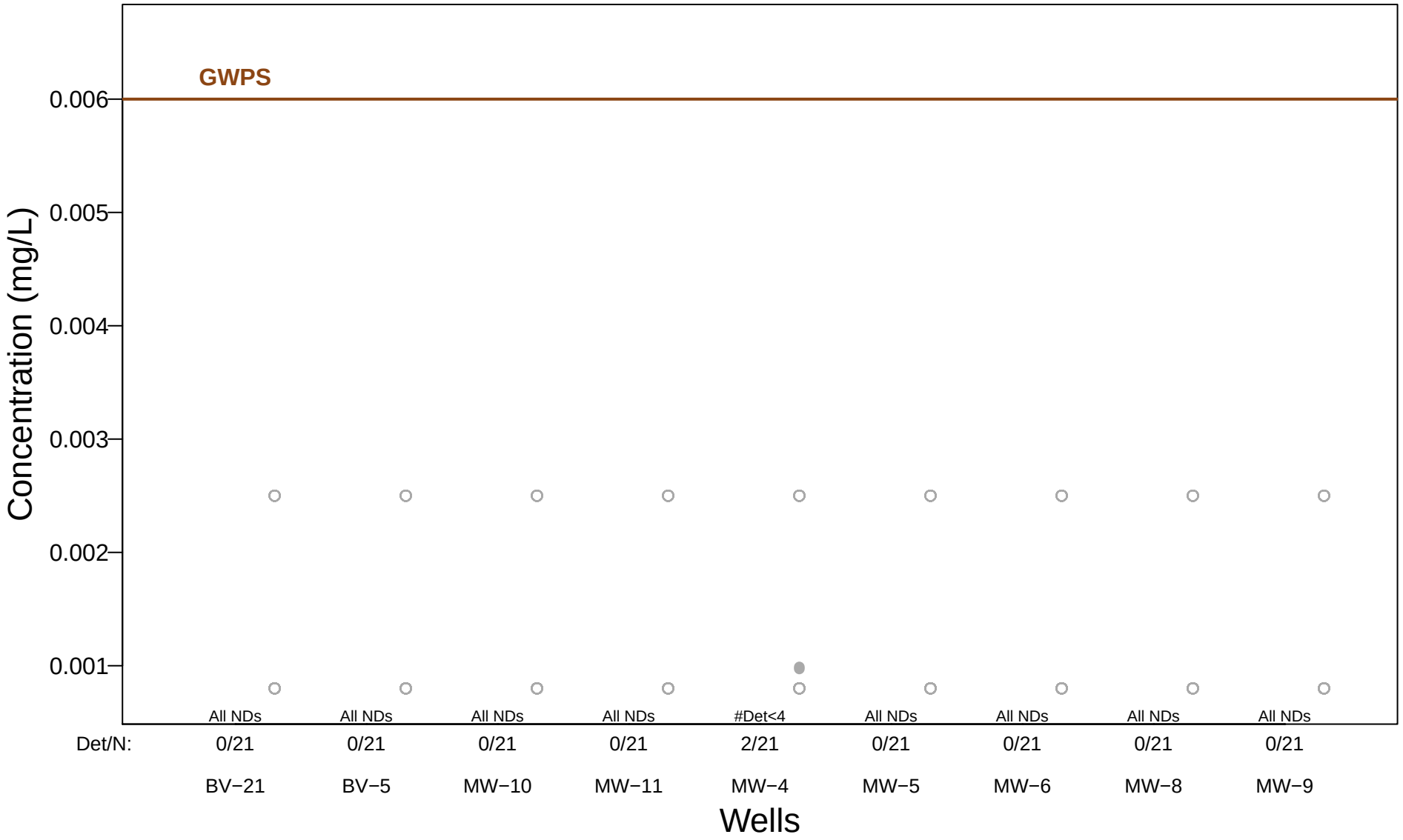
95% Lower confidence limit

Detected sample concentration

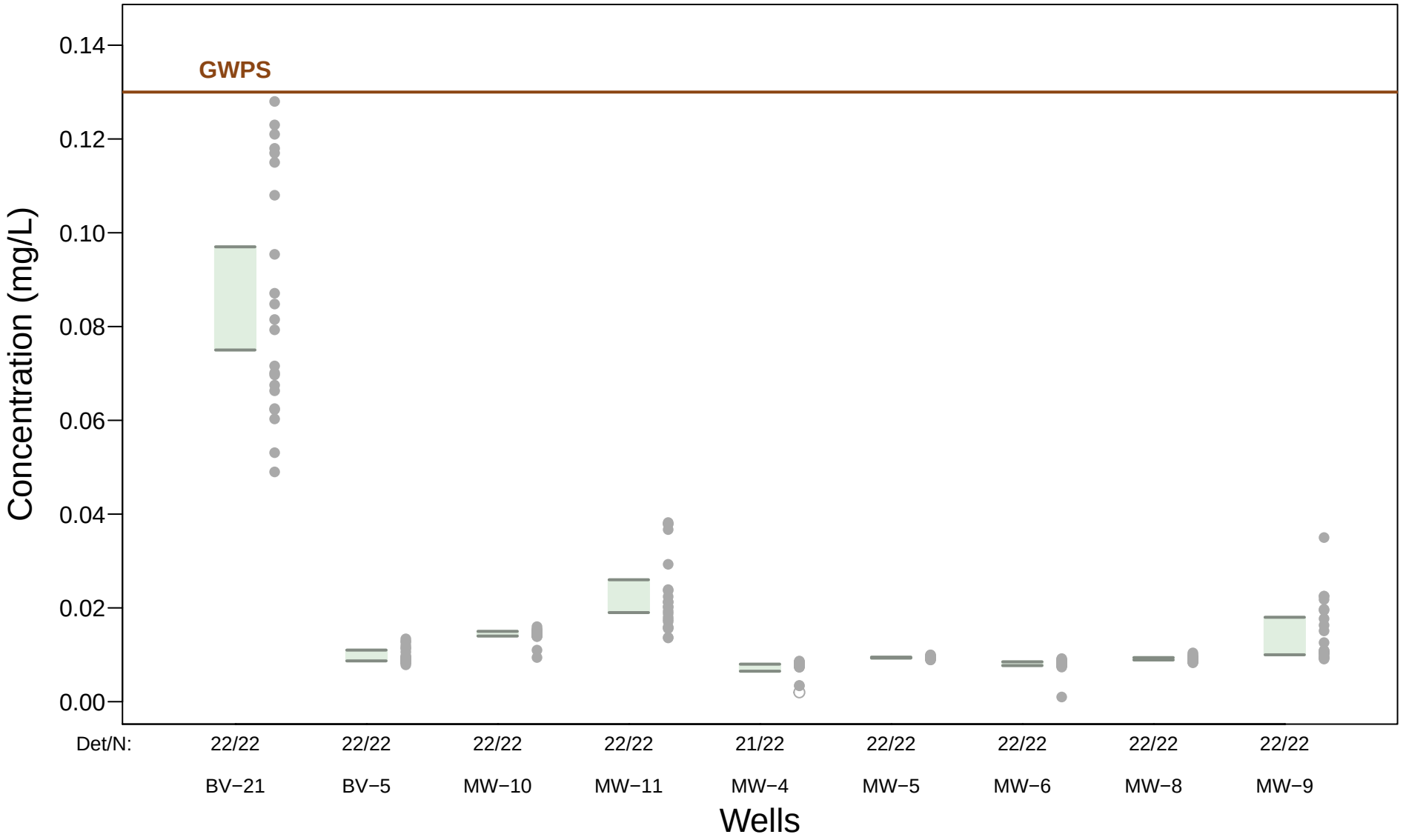
Non-detect sample result (concentration set to laboratory reporting limit)

Note: An SSL is indicated if the lower confidence limit exceeds the GWPS.

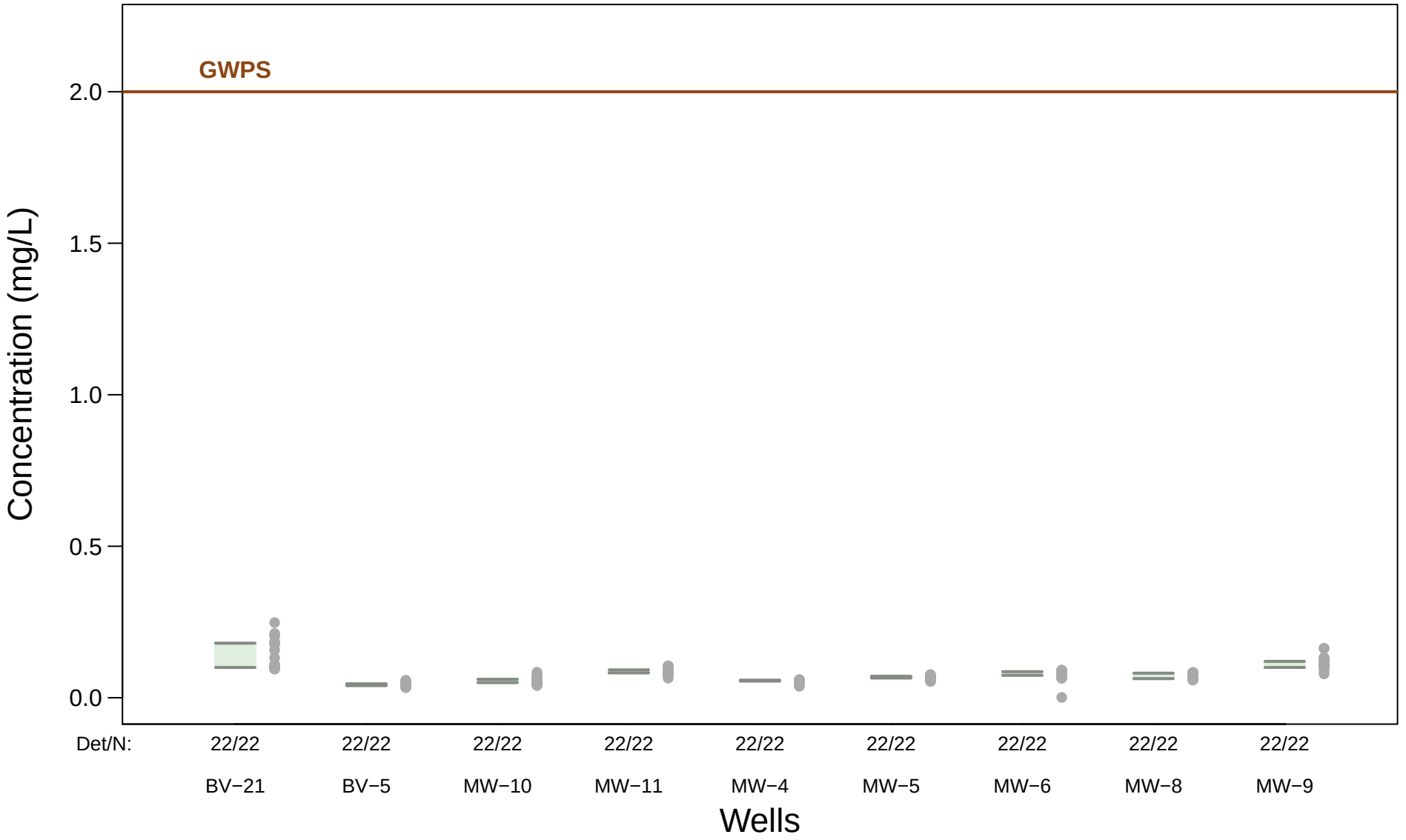
Antimony – 95% Confidence Intervals



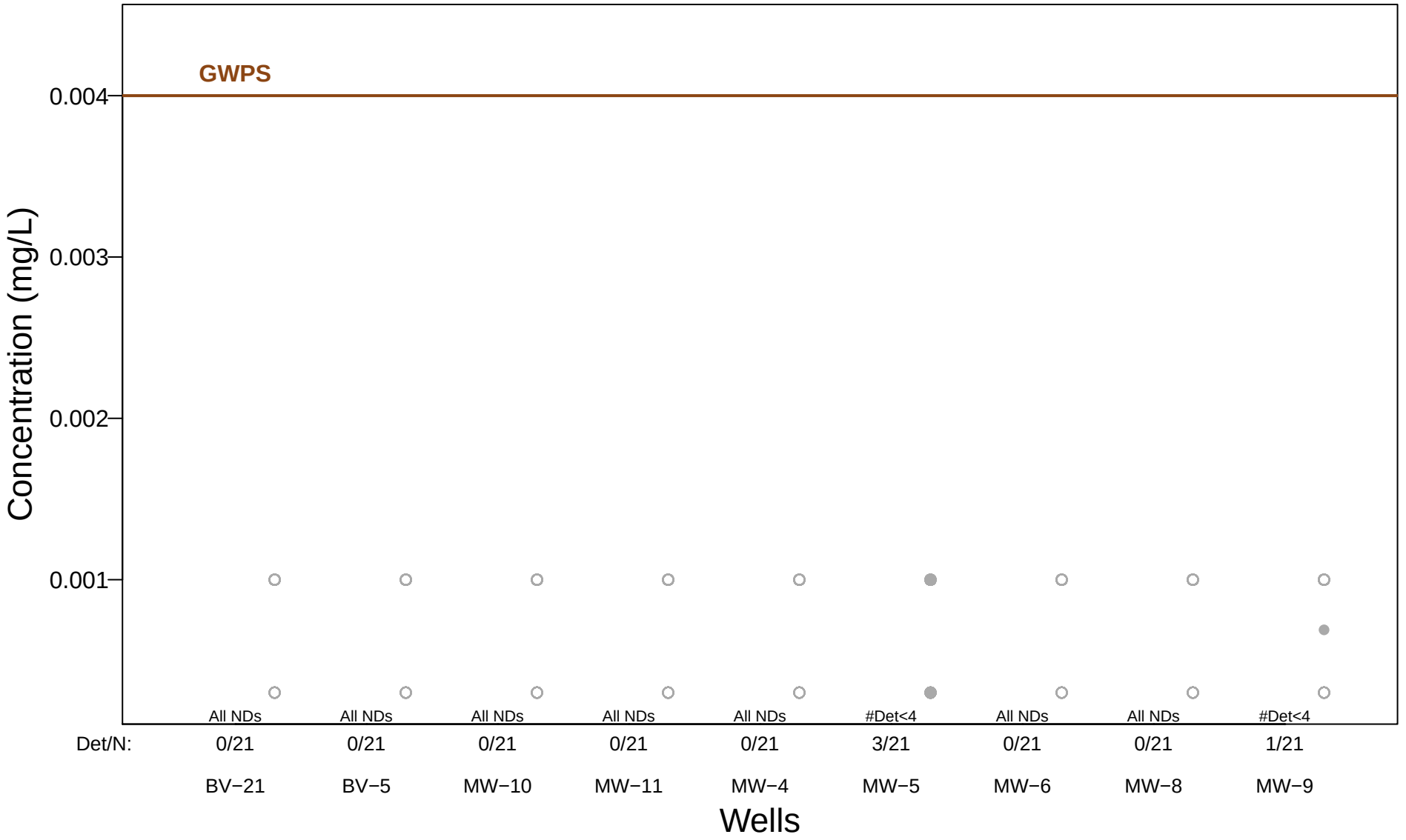
Arsenic − 95% Confidence Intervals



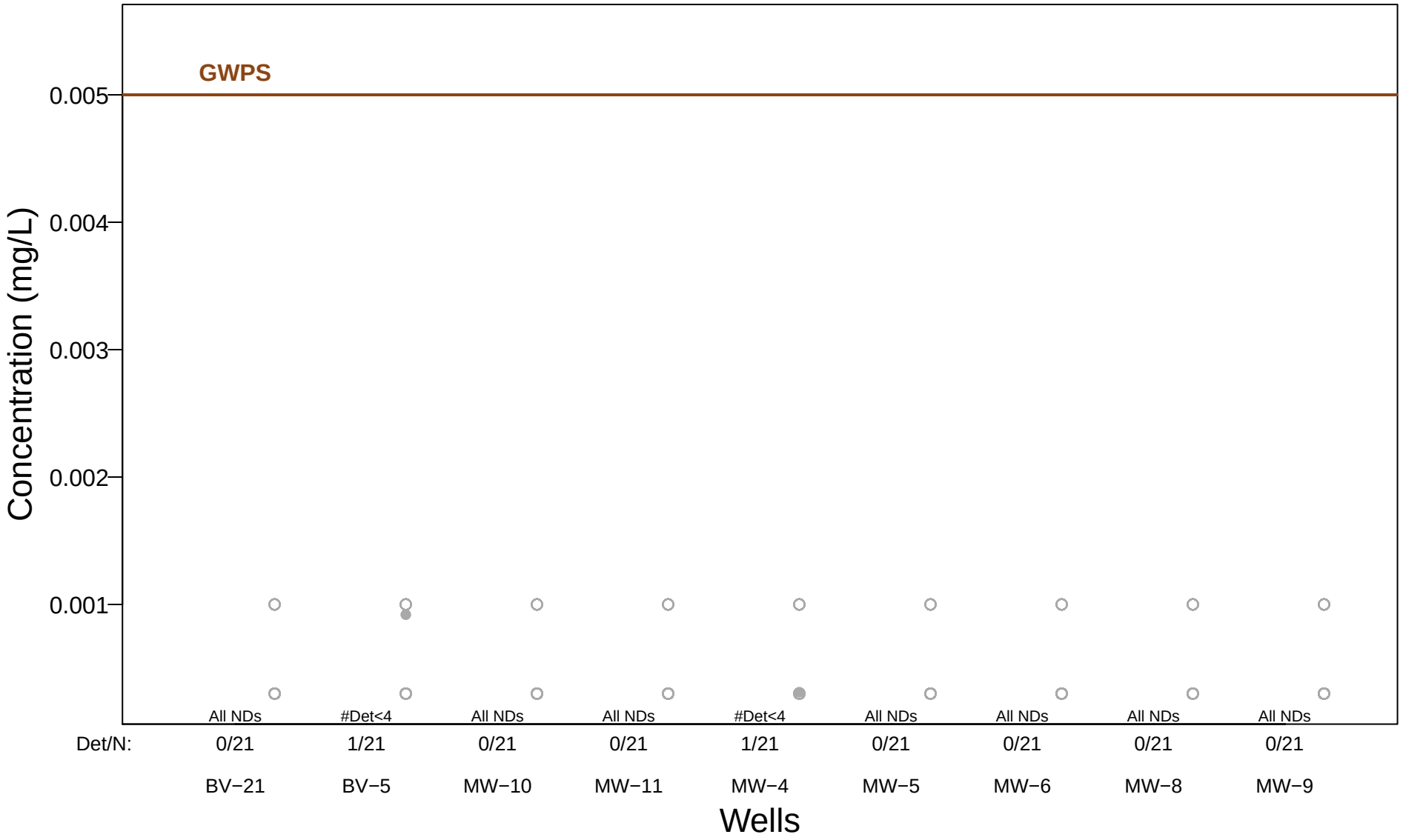
Barium – 95% Confidence Intervals



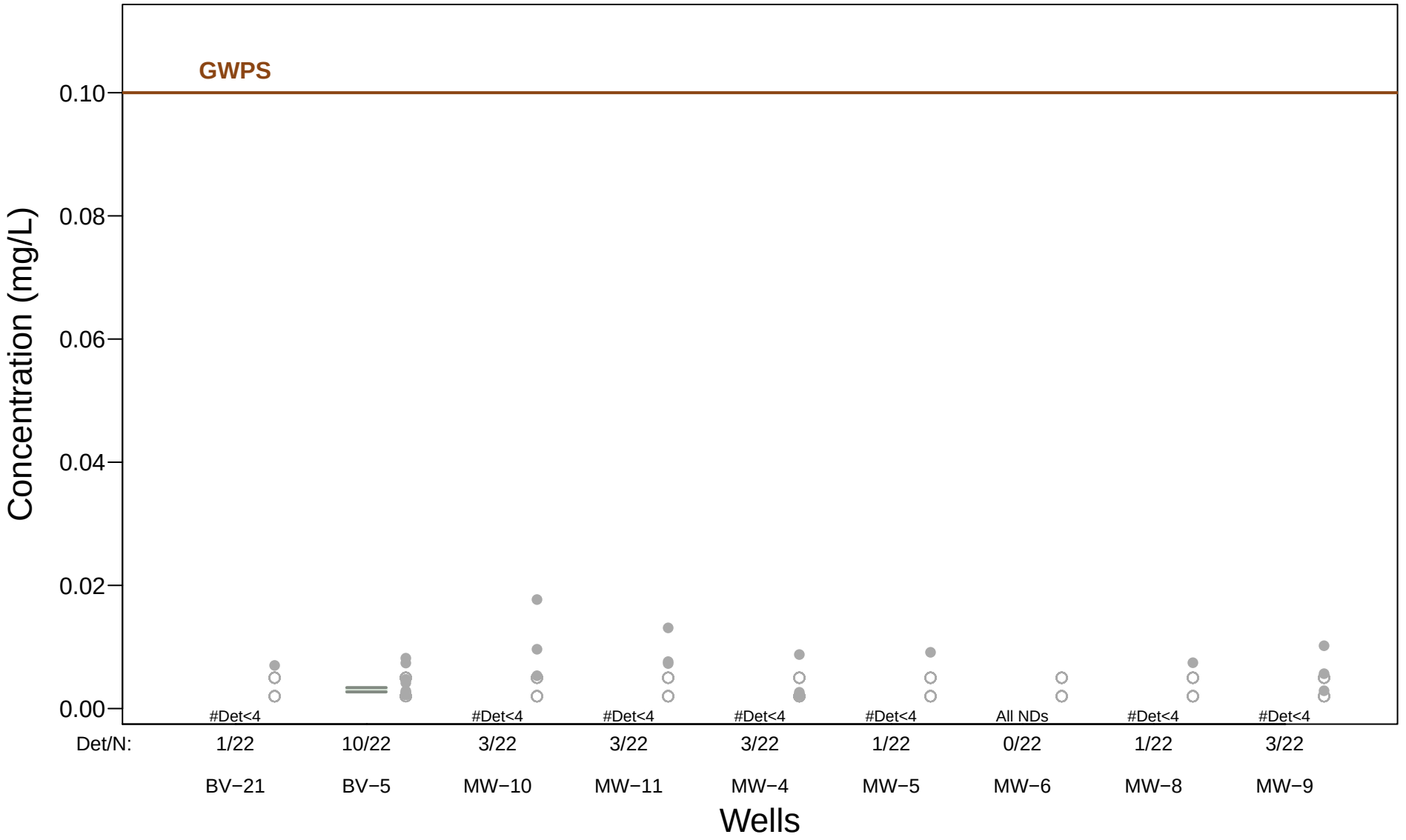
Beryllium – 95% Confidence Intervals



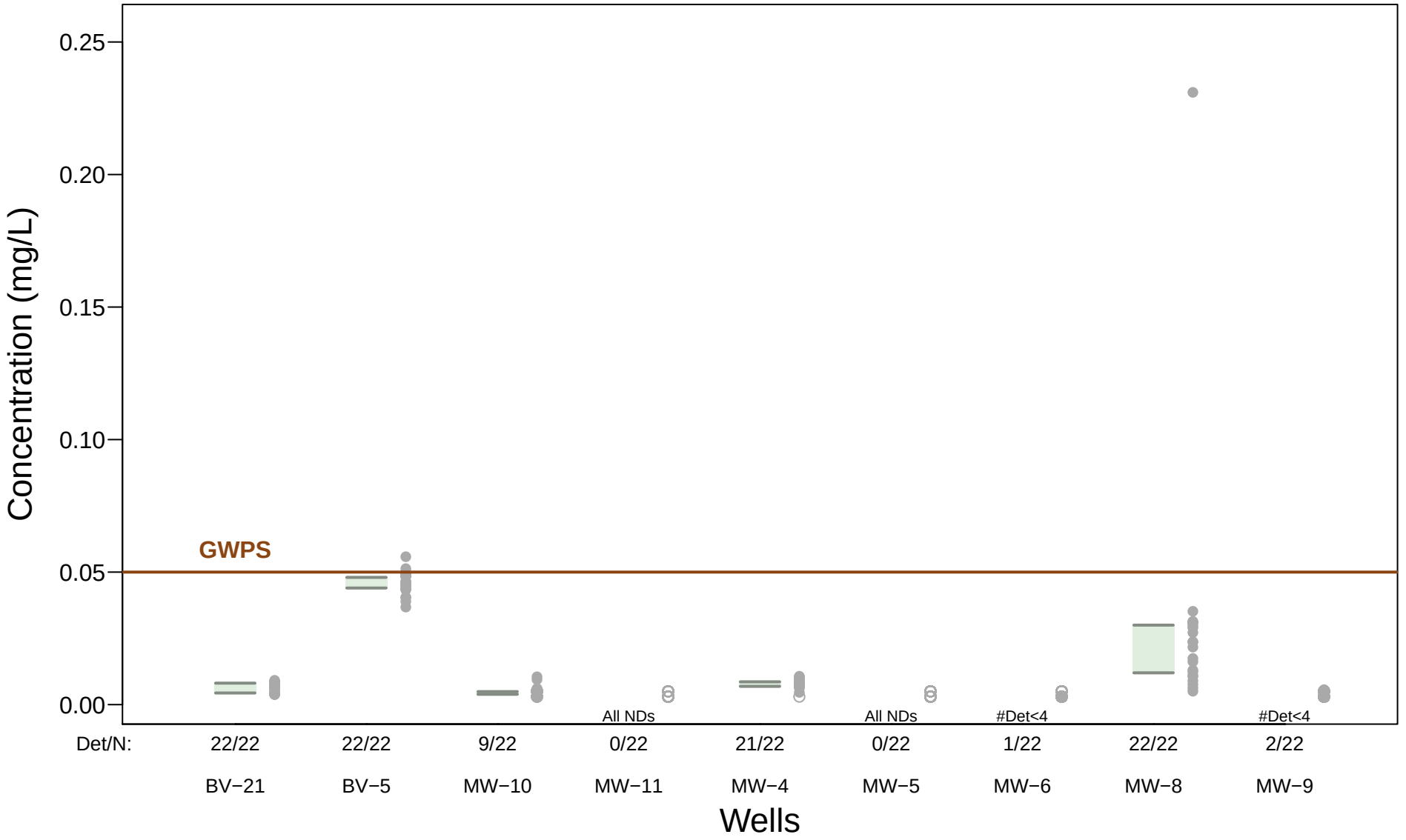
Cadmium – 95% Confidence Intervals



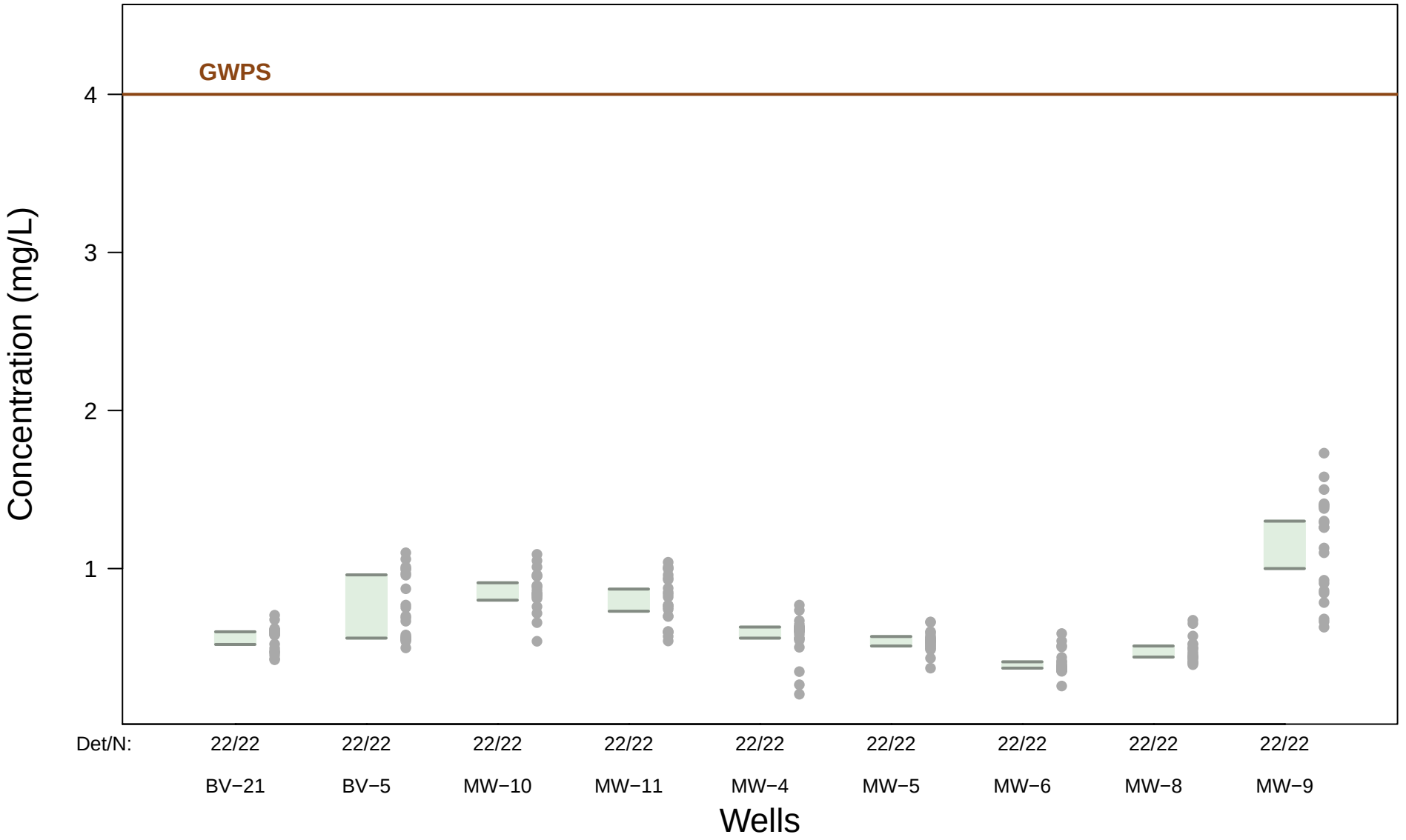
Chromium – 95% Confidence Intervals



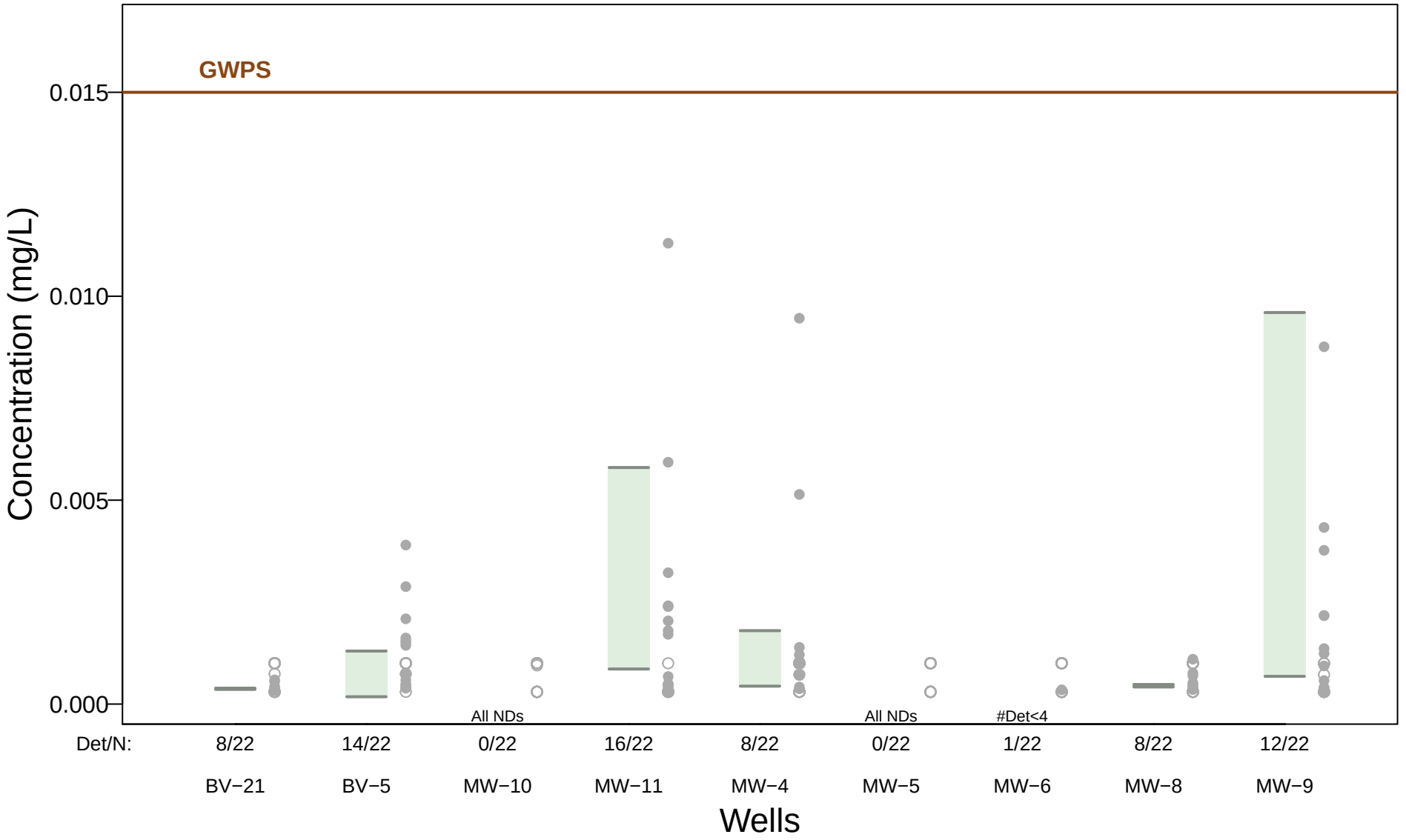
Cobalt – 95% Confidence Intervals



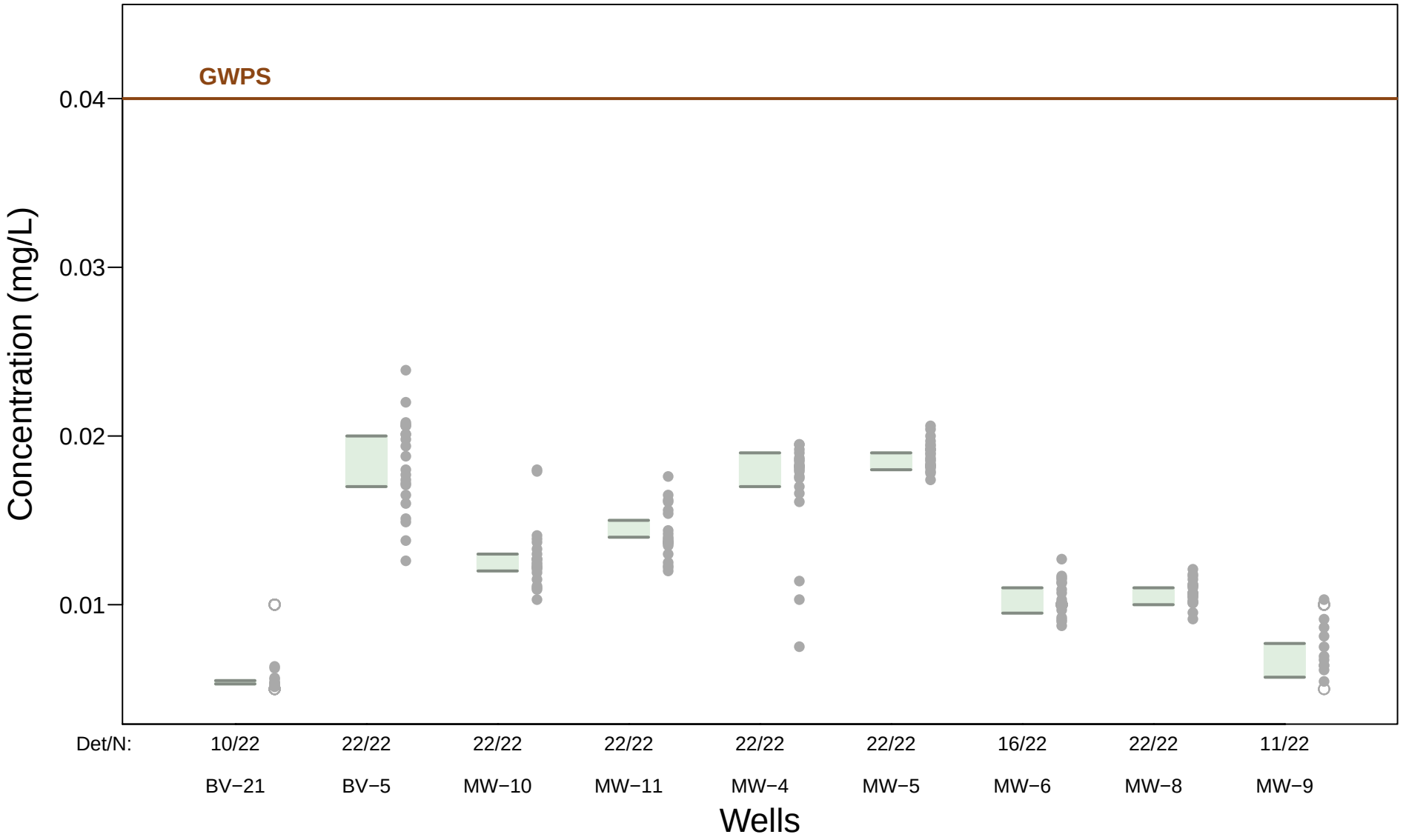
Fluoride (Appendix IV) – 95% Confidence Intervals



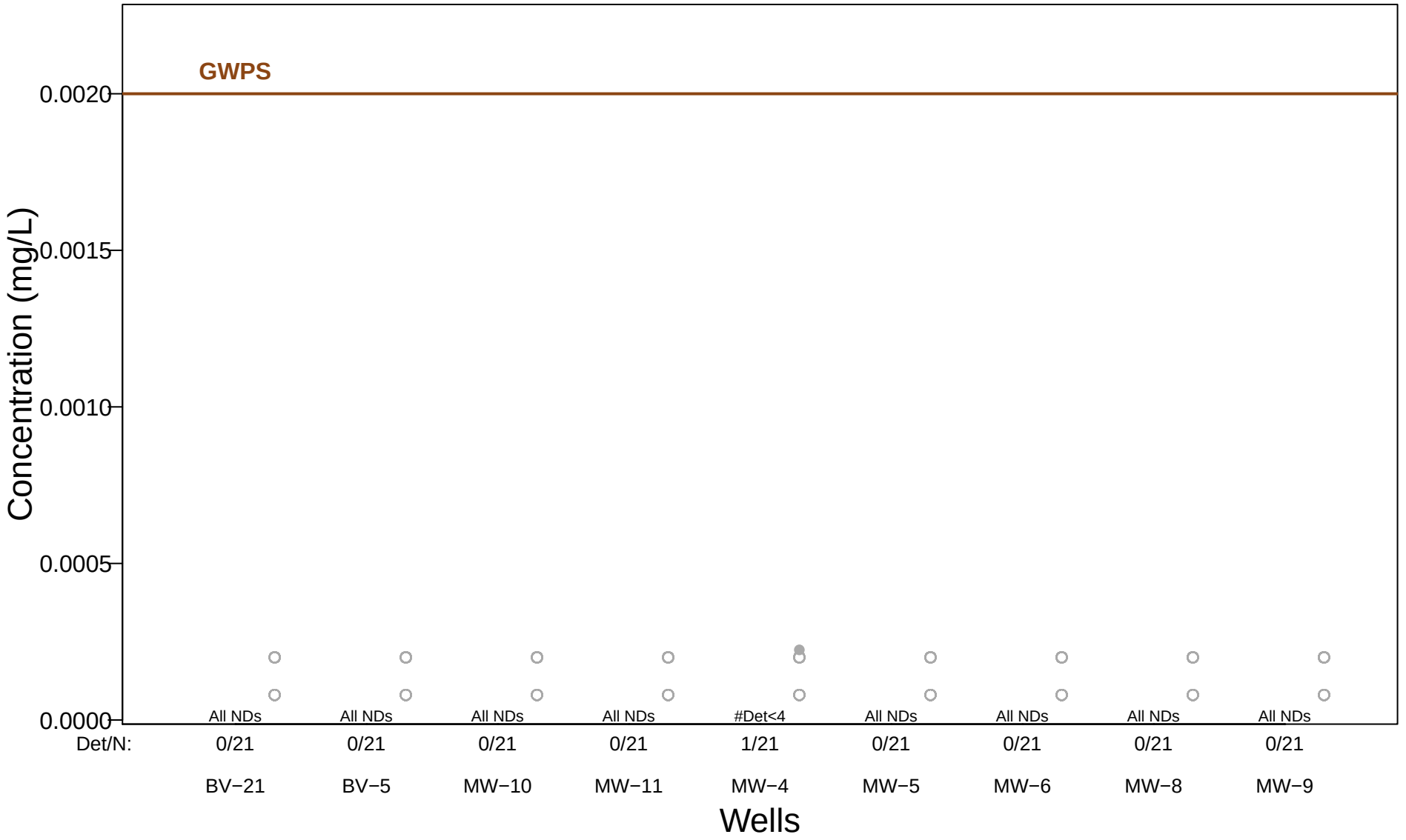
Lead − 95% Confidence Intervals



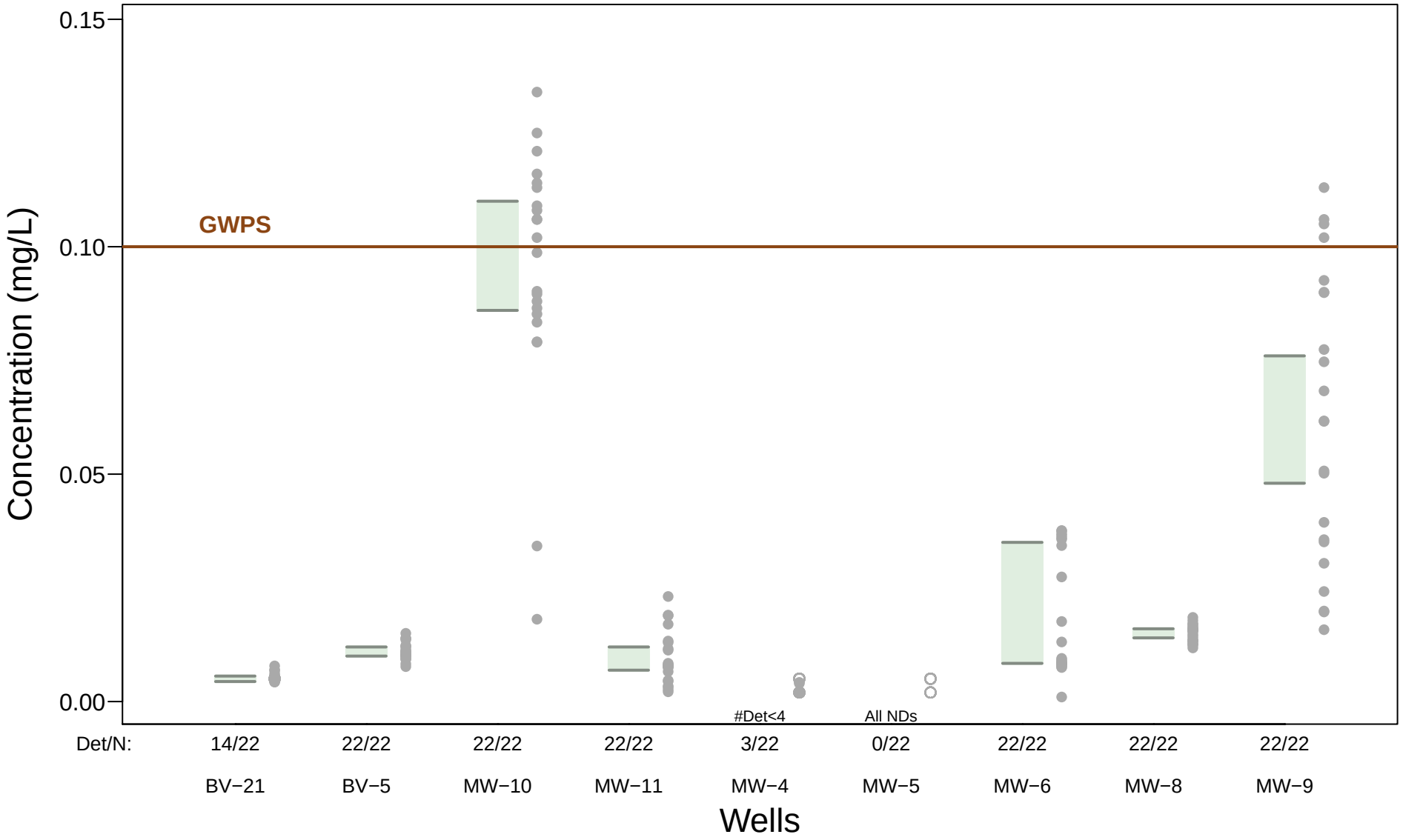
Lithium − 95% Confidence Intervals



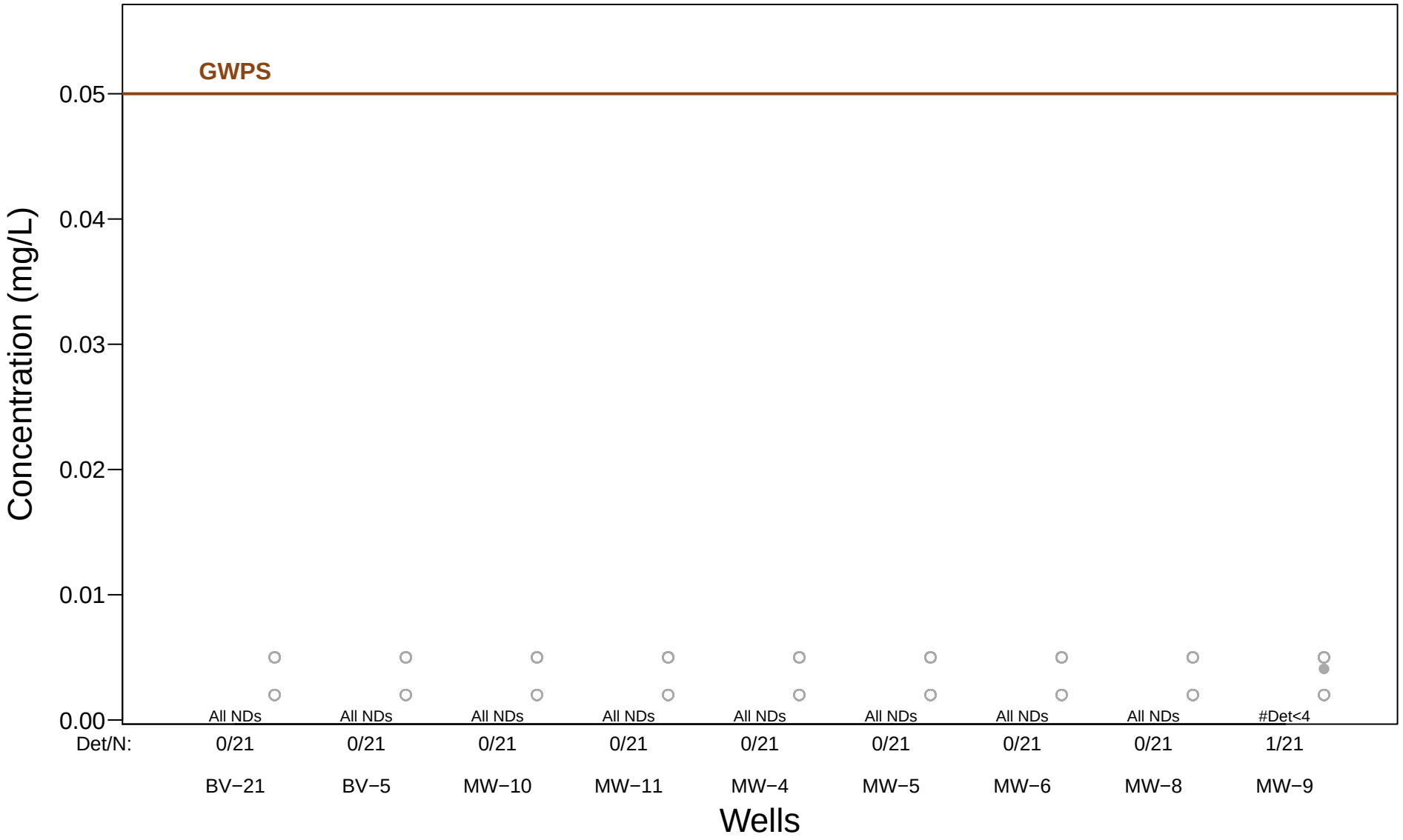
Mercury – 95% Confidence Intervals



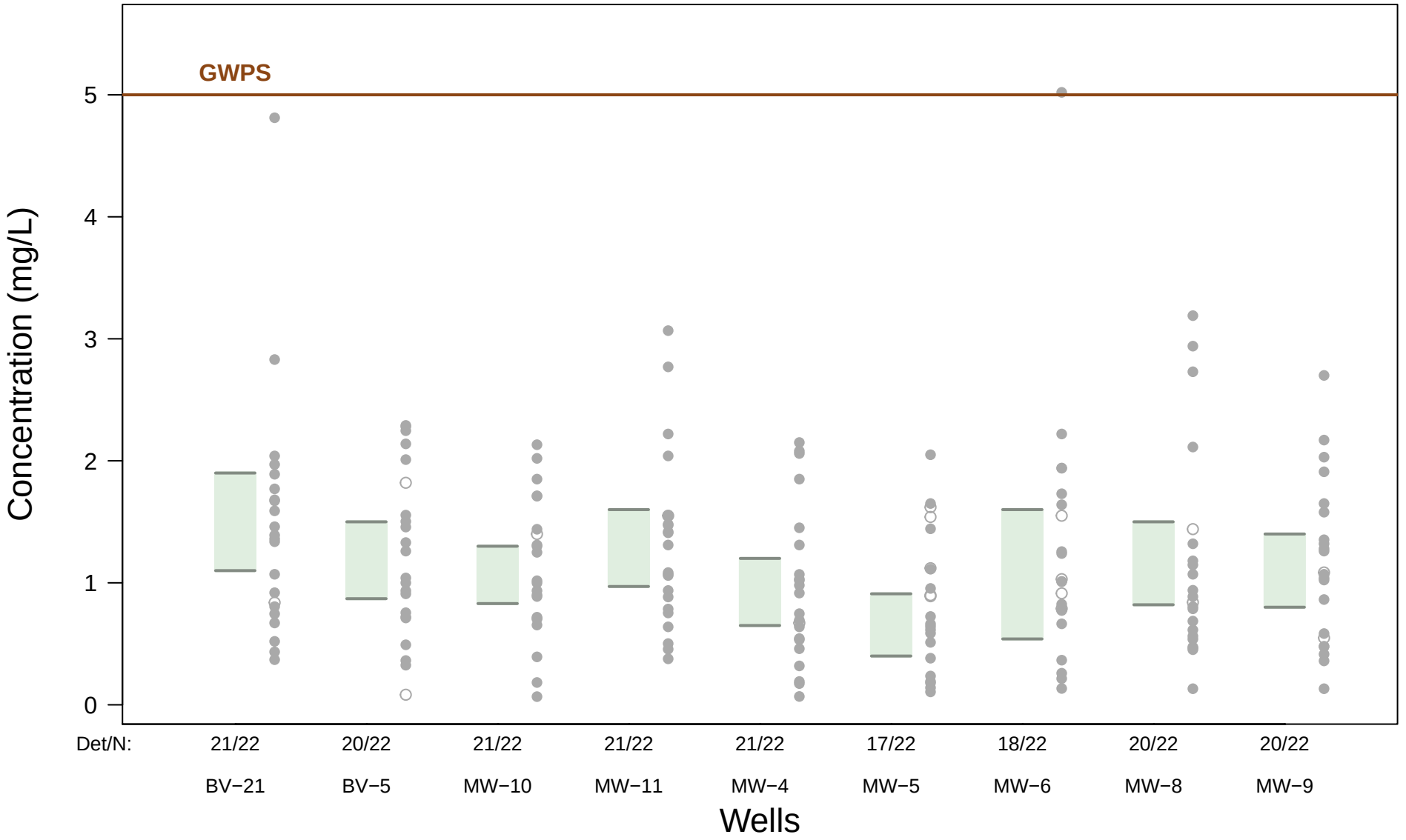
Molybdenum − 95% Confidence Intervals



Selenium − 95% Confidence Intervals



Radium−226/228 combined − 95% Confidence Intervals



Statistical Data Summary Table

STATISTICAL DATA SUMMARY TABLE

Site	Area	Analyte	Well	# Detects	# Samples	% Detects	Gradient	GWPS	Minimum Detect	Maximum Detect	Distribution	LCL	UCL	LCL > GWPS?
Coleto Creek	Primary Ash Pond	Antimony	BV-21	0	21	0	Upgradient Wells	0.006	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Antimony	BV-5	0	21	0	Upgradient Wells	0.006	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Antimony	MW-10	0	21	0	Downgradient Wells	0.006	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Antimony	MW-11	0	21	0	Downgradient Wells	0.006	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Antimony	MW-4	2	21	10	Downgradient Wells	0.006	0.000972	0.000989	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Antimony	MW-5	0	21	0	Downgradient Wells	0.006	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Antimony	MW-6	0	21	0	Downgradient Wells	0.006	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Antimony	MW-8	0	21	0	Upgradient Wells	0.006	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Antimony	MW-9	0	21	0	Downgradient Wells	0.006	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Arsenic	BV-21	22	22	100	Upgradient Wells	0.13	0.049	0.128	Normal	0.075	0.097	FALSE
Coleto Creek	Primary Ash Pond	Arsenic	BV-5	22	22	100	Upgradient Wells	0.13	0.00786	0.0134	Nonparametric	0.0087	0.011	FALSE
Coleto Creek	Primary Ash Pond	Arsenic	MW-10	22	22	100	Downgradient Wells	0.13	0.00942	0.016	Nonparametric	0.014	0.015	FALSE
Coleto Creek	Primary Ash Pond	Arsenic	MW-11	22	22	100	Downgradient Wells	0.13	0.0136	0.0382	Gamma	0.019	0.026	FALSE
Coleto Creek	Primary Ash Pond	Arsenic	MW-4	21	22	95	Downgradient Wells	0.13	0.00338	0.00867	Nonparametric	0.0065	0.008	FALSE
Coleto Creek	Primary Ash Pond	Arsenic	MW-5	22	22	100	Downgradient Wells	0.13	0.00891	0.00998	Normal	0.0093	0.0095	FALSE
Coleto Creek	Primary Ash Pond	Arsenic	MW-6	22	22	100	Downgradient Wells	0.13	0.001	0.00919	Nonparametric	0.0077	0.0085	FALSE
Coleto Creek	Primary Ash Pond	Arsenic	MW-8	22	22	100	Upgradient Wells	0.13	0.0083	0.0104	Normal	0.0089	0.0094	FALSE
Coleto Creek	Primary Ash Pond	Arsenic	MW-9	22	22	100	Downgradient Wells	0.13	0.00909	0.035	Nonparametric	0.01	0.018	FALSE
Coleto Creek	Primary Ash Pond	Barium	BV-21	22	22	100	Upgradient Wells	2	0.0944	0.248	Nonparametric	0.1	0.18	FALSE
Coleto Creek	Primary Ash Pond	Barium	BV-5	22	22	100	Upgradient Wells	2	0.0336	0.0578	Normal	0.04	0.046	FALSE
Coleto Creek	Primary Ash Pond	Barium	MW-10	22	22	100	Downgradient Wells	2	0.0406	0.0844	Normal	0.05	0.061	FALSE
Coleto Creek	Primary Ash Pond	Barium	MW-11	22	22	100	Downgradient Wells	2	0.0645	0.105	Normal	0.082	0.092	FALSE
Coleto Creek	Primary Ash Pond	Barium	MW-4	22	22	100	Downgradient Wells	2	0.0376	0.0596	Nonparametric	0.055	0.058	FALSE
Coleto Creek	Primary Ash Pond	Barium	MW-5	22	22	100	Downgradient Wells	2	0.0537	0.0767	Normal	0.065	0.071	FALSE
Coleto Creek	Primary Ash Pond	Barium	MW-6	22	22	100	Downgradient Wells	2	0.001	0.0912	Nonparametric	0.074	0.086	FALSE
Coleto Creek	Primary Ash Pond	Barium	MW-8	22	22	100	Upgradient Wells	2	0.0582	0.0832	Nonparametric	0.063	0.081	FALSE
Coleto Creek	Primary Ash Pond	Barium	MW-9	22	22	100	Downgradient Wells	2	0.0786	0.163	Gamma	0.1	0.12	FALSE
Coleto Creek	Primary Ash Pond	Beryllium	BV-21	0	21	0	Upgradient Wells	0.004	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Beryllium	BV-5	0	21	0	Upgradient Wells	0.004	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Beryllium	MW-10	0	21	0	Downgradient Wells	0.004	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Beryllium	MW-11	0	21	0	Downgradient Wells	0.004	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Beryllium	MW-4	0	21	0	Downgradient Wells	0.004	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Beryllium	MW-5	3	21	14	Downgradient Wells	0.004	0.0003	0.001	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Beryllium	MW-6	0	21	0	Downgradient Wells	0.004	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Beryllium	MW-8	0	21	0	Upgradient Wells	0.004	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Beryllium	MW-9	1	21	5	Downgradient Wells	0.004	0.000689	0.000689	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Cadmium	BV-21	0	21	0	Upgradient Wells	0.005	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Cadmium	BV-5	1	21	5	Upgradient Wells	0.005	0.00092	0.00092	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Cadmium	MW-10	0	21	0	Downgradient Wells	0.005	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Cadmium	MW-11	0	21	0	Downgradient Wells	0.005	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Cadmium	MW-4	1	21	5	Downgradient Wells	0.005	0.000311	0.000311	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Cadmium	MW-5	0	21	0	Downgradient Wells	0.005	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Cadmium	MW-6	0	21	0	Downgradient Wells	0.005	ND	ND	All NDs	--	--	--

STATISTICAL DATA SUMMARY TABLE

Site	Area	Analyte	Well	# Detects	# Samples	% Detects	Gradient	GWPS	Minimum Detect	Maximum Detect	Distribution	LCL	UCL	LCL > GWPS?
Coleto Creek	Primary Ash Pond	Cadmium	MW-8	0	21	0	Upgradient Wells	0.005	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Cadmium	MW-9	0	21	0	Downgradient Wells	0.005	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Chromium	BV-21	1	22	5	Upgradient Wells	0.1	0.007	0.007	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Chromium	BV-5	10	22	45	Upgradient Wells	0.1	0.0022	0.00818	onparametric, <50% Detec	0.0027	0.0034	FALSE
Coleto Creek	Primary Ash Pond	Chromium	MW-10	3	22	14	Downgradient Wells	0.1	0.00533	0.0177	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Chromium	MW-11	3	22	14	Downgradient Wells	0.1	0.00731	0.0131	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Chromium	MW-4	3	22	14	Downgradient Wells	0.1	0.00214	0.00877	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Chromium	MW-5	1	22	5	Downgradient Wells	0.1	0.00913	0.00913	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Chromium	MW-6	0	22	0	Downgradient Wells	0.1	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Chromium	MW-8	1	22	5	Upgradient Wells	0.1	0.00744	0.00744	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Chromium	MW-9	3	22	14	Downgradient Wells	0.1	0.00289	0.0102	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Cobalt	BV-21	22	22	100	Upgradient Wells	0.05	0.00377	0.00916	Nonparametric	0.0044	0.0081	FALSE
Coleto Creek	Primary Ash Pond	Cobalt	BV-5	22	22	100	Upgradient Wells	0.05	0.0368	0.0558	Normal	0.044	0.048	FALSE
Coleto Creek	Primary Ash Pond	Cobalt	MW-10	9	22	41	Downgradient Wells	0.05	0.00334	0.0105	onparametric, <50% Detec	0.0039	0.0049	FALSE
Coleto Creek	Primary Ash Pond	Cobalt	MW-11	0	22	0	Downgradient Wells	0.05	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Cobalt	MW-4	21	22	95	Downgradient Wells	0.05	0.00462	0.0107	Normal	0.0069	0.0086	FALSE
Coleto Creek	Primary Ash Pond	Cobalt	MW-5	0	22	0	Downgradient Wells	0.05	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Cobalt	MW-6	1	22	5	Downgradient Wells	0.05	0.00319	0.00319	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Cobalt	MW-8	22	22	100	Upgradient Wells	0.05	0.00505	0.231	Nonparametric	0.012	0.03	FALSE
Coleto Creek	Primary Ash Pond	Cobalt	MW-9	2	22	9	Downgradient Wells	0.05	0.00337	0.00565	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Fluoride (Appendix IV)	BV-21	22	22	100	Upgradient Wells	4	0.423	0.705	Normal	0.52	0.6	FALSE
Coleto Creek	Primary Ash Pond	Fluoride (Appendix IV)	BV-5	22	22	100	Upgradient Wells	4	0.498	1.1	Nonparametric	0.56	0.96	FALSE
Coleto Creek	Primary Ash Pond	Fluoride (Appendix IV)	MW-10	22	22	100	Downgradient Wells	4	0.54	1.09	Normal	0.8	0.91	FALSE
Coleto Creek	Primary Ash Pond	Fluoride (Appendix IV)	MW-11	22	22	100	Downgradient Wells	4	0.542	1.04	Normal	0.73	0.87	FALSE
Coleto Creek	Primary Ash Pond	Fluoride (Appendix IV)	MW-4	22	22	100	Downgradient Wells	4	0.205	0.769	Nonparametric	0.56	0.63	FALSE
Coleto Creek	Primary Ash Pond	Fluoride (Appendix IV)	MW-5	22	22	100	Downgradient Wells	4	0.37	0.662	Normal	0.51	0.57	FALSE
Coleto Creek	Primary Ash Pond	Fluoride (Appendix IV)	MW-6	22	22	100	Downgradient Wells	4	0.257	0.589	Nonparametric	0.37	0.41	FALSE
Coleto Creek	Primary Ash Pond	Fluoride (Appendix IV)	MW-8	22	22	100	Upgradient Wells	4	0.392	0.673	Normal	0.44	0.51	FALSE
Coleto Creek	Primary Ash Pond	Fluoride (Appendix IV)	MW-9	22	22	100	Downgradient Wells	4	0.629	1.73	Normal	1	1.3	FALSE
Coleto Creek	Primary Ash Pond	Lead	BV-21	8	22	36	Upgradient Wells	0.015	0.00033	0.000594	onparametric, <50% Detec	0.00036	0.00039	FALSE
Coleto Creek	Primary Ash Pond	Lead	BV-5	14	22	64	Upgradient Wells	0.015	0.00039	0.0039	Normal	0.00018	0.0013	FALSE
Coleto Creek	Primary Ash Pond	Lead	MW-10	0	22	0	Downgradient Wells	0.015	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Lead	MW-11	16	22	73	Downgradient Wells	0.015	0.000301	0.0113	te with ProUCL-type - use	0.00086	0.0058	FALSE
Coleto Creek	Primary Ash Pond	Lead	MW-4	8	22	36	Downgradient Wells	0.015	0.000375	0.00946	onparametric, <50% Detec	0.00044	0.0018	FALSE
Coleto Creek	Primary Ash Pond	Lead	MW-5	0	22	0	Downgradient Wells	0.015	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Lead	MW-6	1	22	5	Downgradient Wells	0.015	0.000349	0.000349	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Lead	MW-8	8	22	36	Upgradient Wells	0.015	0.000355	0.0011	onparametric, <50% Detec	0.00042	0.00048	FALSE
Coleto Creek	Primary Ash Pond	Lead	MW-9	12	22	55	Downgradient Wells	0.015	0.000317	0.00876	te with ProUCL-type - use	0.00068	0.0096	FALSE
Coleto Creek	Primary Ash Pond	Lithium	BV-21	10	22	45	Upgradient Wells	0.04	0.00513	0.00634	onparametric, <50% Detec	0.0053	0.0055	FALSE
Coleto Creek	Primary Ash Pond	Lithium	BV-5	22	22	100	Upgradient Wells	0.04	0.0126	0.0239	Normal	0.017	0.02	FALSE
Coleto Creek	Primary Ash Pond	Lithium	MW-10	22	22	100	Downgradient Wells	0.04	0.0103	0.018	Nonparametric	0.012	0.013	FALSE
Coleto Creek	Primary Ash Pond	Lithium	MW-11	22	22	100	Downgradient Wells	0.04	0.012	0.0176	Normal	0.014	0.015	FALSE
Coleto Creek	Primary Ash Pond	Lithium	MW-4	22	22	100	Downgradient Wells	0.04	0.00751	0.0195	Nonparametric	0.017	0.019	FALSE

STATISTICAL DATA SUMMARY TABLE

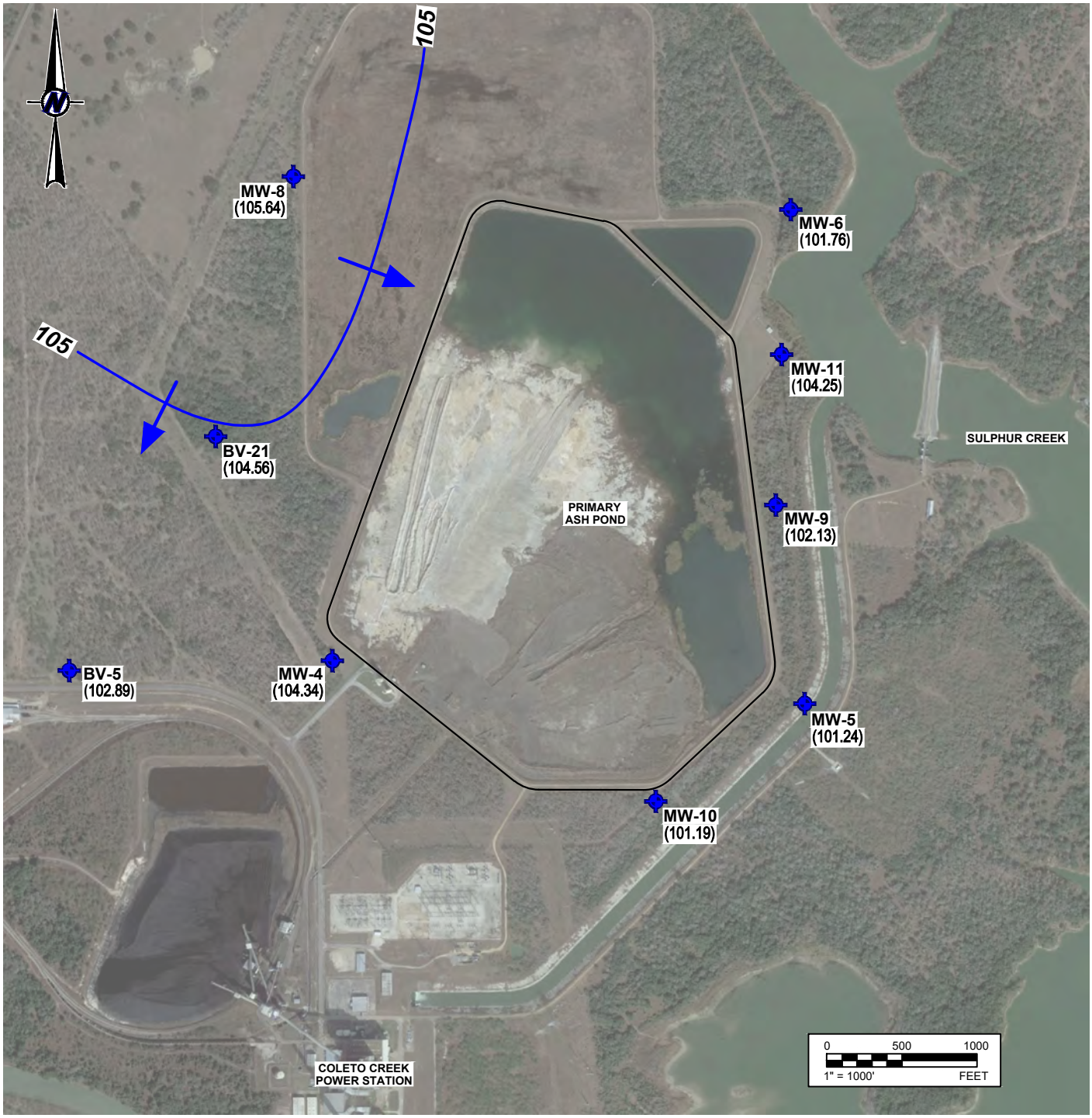
Site	Area	Analyte	Well	# Detects	# Samples	% Detects	Gradient	GWPS	Minimum Detect	Maximum Detect	Distribution	LCL	UCL	LCL > GWPS?
Coleto Creek	Primary Ash Pond	Lithium	MW-5	22	22	100	Downgradient Wells	0.04	0.0174	0.0206	Normal	0.018	0.019	FALSE
Coleto Creek	Primary Ash Pond	Lithium	MW-6	16	22	73	Downgradient Wells	0.04	0.00875	0.0127	Normal	0.0095	0.011	FALSE
Coleto Creek	Primary Ash Pond	Lithium	MW-8	22	22	100	Upgradient Wells	0.04	0.00915	0.0121	Normal	0.01	0.011	FALSE
Coleto Creek	Primary Ash Pond	Lithium	MW-9	11	22	50	Downgradient Wells	0.04	0.00545	0.0103	Normal	0.0057	0.0077	FALSE
Coleto Creek	Primary Ash Pond	Mercury	BV-21	0	21	0	Upgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Mercury	BV-5	0	21	0	Upgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Mercury	MW-10	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Mercury	MW-11	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Mercury	MW-4	1	21	5	Downgradient Wells	0.002	0.000224	0.000224	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Mercury	MW-5	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Mercury	MW-6	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Mercury	MW-8	0	21	0	Upgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Mercury	MW-9	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Molybdenum	BV-21	14	22	64	Upgradient Wells	0.1	0.00428	0.00784	Normal	0.0044	0.0056	FALSE
Coleto Creek	Primary Ash Pond	Molybdenum	BV-5	22	22	100	Upgradient Wells	0.1	0.00768	0.015	Normal	0.01	0.012	FALSE
Coleto Creek	Primary Ash Pond	Molybdenum	MW-10	22	22	100	Downgradient Wells	0.1	0.0181	0.134	Nonparametric	0.086	0.11	FALSE
Coleto Creek	Primary Ash Pond	Molybdenum	MW-11	22	22	100	Downgradient Wells	0.1	0.00215	0.0231	Normal	0.0069	0.012	FALSE
Coleto Creek	Primary Ash Pond	Molybdenum	MW-4	3	22	14	Downgradient Wells	0.1	0.0021	0.00421	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Molybdenum	MW-5	0	22	0	Downgradient Wells	0.1	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Molybdenum	MW-6	22	22	100	Downgradient Wells	0.1	0.001	0.0376	Nonparametric	0.0084	0.035	FALSE
Coleto Creek	Primary Ash Pond	Molybdenum	MW-8	22	22	100	Upgradient Wells	0.1	0.0118	0.0185	Normal	0.014	0.016	FALSE
Coleto Creek	Primary Ash Pond	Molybdenum	MW-9	22	22	100	Downgradient Wells	0.1	0.0158	0.113	Normal	0.048	0.076	FALSE
Coleto Creek	Primary Ash Pond	Selenium	BV-21	0	21	0	Upgradient Wells	0.05	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Selenium	BV-5	0	21	0	Upgradient Wells	0.05	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Selenium	MW-10	0	21	0	Downgradient Wells	0.05	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Selenium	MW-11	0	21	0	Downgradient Wells	0.05	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Selenium	MW-4	0	21	0	Downgradient Wells	0.05	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Selenium	MW-5	0	21	0	Downgradient Wells	0.05	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Selenium	MW-6	0	21	0	Downgradient Wells	0.05	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Selenium	MW-8	0	21	0	Upgradient Wells	0.05	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Selenium	MW-9	1	21	5	Downgradient Wells	0.05	0.00408	0.00408	Nonparametric, det<4			
Coleto Creek	Primary Ash Pond	Thallium	BV-21	0	21	0	Upgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Thallium	BV-5	0	21	0	Upgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Thallium	MW-10	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Thallium	MW-11	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Thallium	MW-4	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Thallium	MW-5	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Thallium	MW-6	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Thallium	MW-8	0	21	0	Upgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Thallium	MW-9	0	21	0	Downgradient Wells	0.002	ND	ND	All NDs	--	--	--
Coleto Creek	Primary Ash Pond	Radium-226/228 combine	BV-21	21	22	95	Upgradient Wells	5	0.37	4.812	Gamma	1.1	1.9	FALSE
Coleto Creek	Primary Ash Pond	Radium-226/228 combine	BV-5	20	22	91	Upgradient Wells	5	0.325	2.29	Normal	0.87	1.5	FALSE
Coleto Creek	Primary Ash Pond	Radium-226/228 combine	MW-10	21	22	95	Downgradient Wells	5	0.067	2.132	Normal	0.83	1.3	FALSE

STATISTICAL DATA SUMMARY TABLE

Site	Area	Analyte	Well	# Detects	# Samples	% Detects	Gradient	GWPS	Minimum Detect	Maximum Detect	Distribution	LCL	UCL	LCL > GWPS?
Coleto Creek	Primary Ash Pond	Radium-226/228 combine	MW-11	21	22	95	Downgradient Wells	5	0.377	3.067	Normal	0.97	1.6	FALSE
Coleto Creek	Primary Ash Pond	Radium-226/228 combine	MW-4	21	22	95	Downgradient Wells	5	0.0684	2.15	Normal	0.65	1.2	FALSE
Coleto Creek	Primary Ash Pond	Radium-226/228 combine	MW-5	17	22	77	Downgradient Wells	5	0.106	2.05	Normal	0.4	0.91	FALSE
Coleto Creek	Primary Ash Pond	Radium-226/228 combine	MW-6	18	22	82	Downgradient Wells	5	0.134	5.02	Normal	0.54	1.6	FALSE
Coleto Creek	Primary Ash Pond	Radium-226/228 combine	MW-8	20	22	91	Upgradient Wells	5	0.132	3.19	Gamma	0.82	1.5	FALSE
Coleto Creek	Primary Ash Pond	Radium-226/228 combine	MW-9	20	22	91	Downgradient Wells	5	0.132	2.7	Normal	0.8	1.4	FALSE

APPENDIX C

GROUNDWATER POTENTIOMETRIC SURFACE MAPS



LEGEND

- CCR MONITORING WELL
- *(101.66)* GROUNDWATER POTENTIOMETRIC SURFACE (FT MSL)
- GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR (C.I. = 5 FT)
- INFERRED DIRECTION OF GROUNDWATER FLOW

STATE OF TEXAS
WILLIAM F VIENNE
GEOLOGY
No. 10492
LICENSED
PROFESSIONAL GEOSCIENTIST

01/31/2025

REFERENCE(S)

BASE MAP TAKEN FROM GOOGLE EARTH, IMAGERY DATED JANUARY 2021

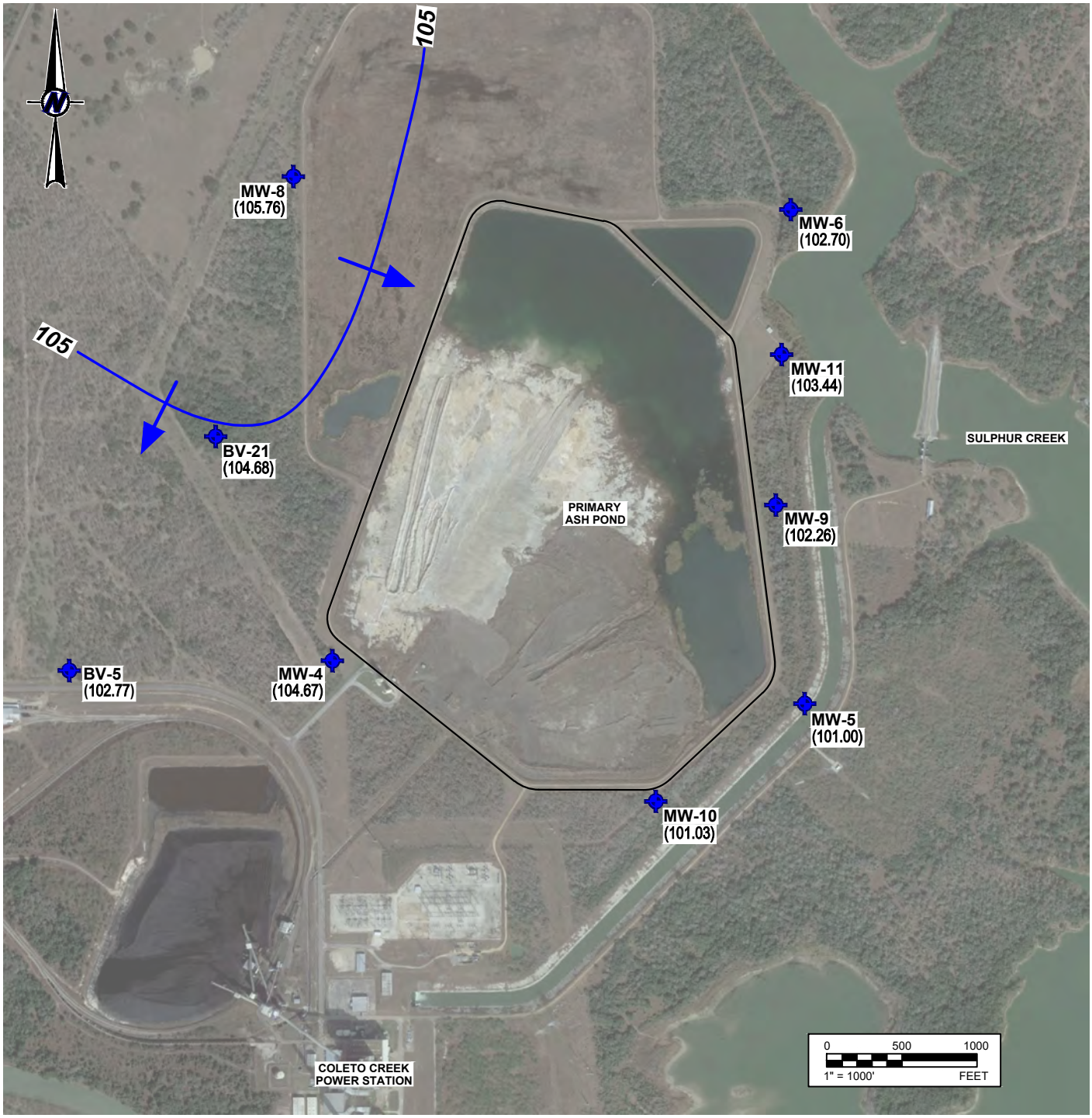
LUMINANT

COLETO CREEK POWER STATION
FANNIN, TEXAS

PRIMARY ASH POND
POTENTIOMETRIC SURFACE MAP
MAY 2024

PROJECT: 23643.19	BY: SLB	DATE: 7/22/2024	CHECKED: WV

Bullock, Bennett & Associates, LLC
Engineering and Geoscience
Texas Registrations: Engineering F-8542, Geoscience 50127



LEGEND

- CCR MONITORING WELL
- *(101.66)* GROUNDWATER POTENTIOMETRIC SURFACE (FT MSL)
- GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR (C.I. = 5 FT)
- INFERRED DIRECTION OF GROUNDWATER FLOW

STATE OF TEXAS
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No. 10492
LICENSED
PROFESSIONAL GEOSCIENTIST

01/31/2025

REFERENCE(S)

BASE MAP TAKEN FROM GOOGLE EARTH, IMAGERY DATED JANUARY 2021

LUMINANT

COLETO CREEK POWER STATION
FANNIN, TEXAS

PRIMARY ASH POND
POTENTIOMETRIC SURFACE MAP
SEPTEMBER 2024

PROJECT: 23643.19	BY: SLB	DATE: 01/27/2024	CHECKED: WV

Bullock, Bennett & Associates, LLC
Engineering and Geoscience
Texas Registrations: Engineering F-8542, Geoscience 50127