2022 Annual Groundwater Monitoring and Corrective Action Report

Coleto Creek Primary Ash Pond - Fannin, Texas

Prepared for:

Coleto Creek Power, LLC

Prepared by:

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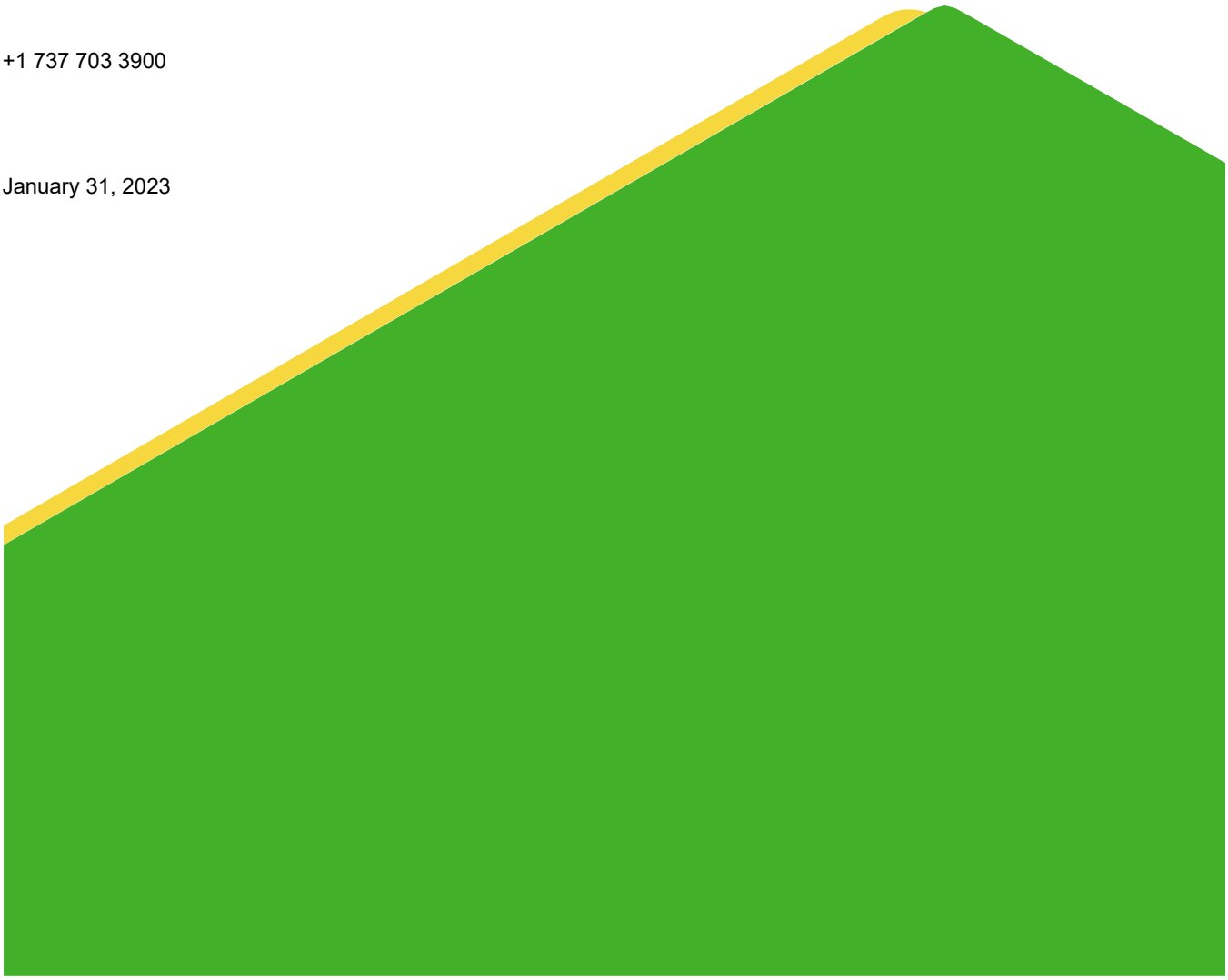

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ACRONYMS AND ABBREVIATIONS

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

WSP Golder has prepared this report on behalf of Coleto Creek Power, LLC to satisfy the 2022 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 2022 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 2022. The Assessment Monitoring Program will continue during 2022 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 Dates	Parameters	SSIs	Assessment Monitoring Program Established
November 7-8, 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).

Assessment Monitoring Program groundwater samples were collected from the CCR groundwater monitoring network in 2018, as required by the CCR Rule. OBG collected the initial 2018 Assessment Monitoring Program groundwater samples in June 2018. Subsequent Assessment Monitoring Program sampling events have been conducted by WSP Golder 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 Dates	Analytical Data Receipt Date	Parameters	SSL(s)	SSL(s) Determination Date	Corrective Measures Assessment Initiated
June 19-25, 2018	August 7, 2018	Appendix III Appendix IV	No	NA	NA
Sept. 18, 2018	October 12, 2018	Appendix III Appendix IV	No	NA	NA

Sampling Dates	Analytical Data Receipt Date	Parameters	SSL(s)	SSL(s) Determination Date	Corrective Measures Assessment Initiated
June 3-5, 2019	July 12, 2019	Appendix III Appendix IV	No	NA	NA
October 2-3, 2019	November 5, 2019	Appendix III Appendix IV	No	NA	NA
June 9, 2020	July 15, 2020	Appendix III Appendix IV	No	NA	NA
October 6, 2020	November 9, 2020	Appendix III Appendix IV	No	NA	NA
June 2 and June 25, 2021	July 30, 2021	Appendix III Appendix IV	No	NA	NA
September 28, 2021	November 9, 2021	Appendix III Appendix IV	No	NA	NA
May 26, 2022	July 18, 2022	Appendix III Appendix IV	No	NA	NA
September 19-20, 2022	November 2, 2022	Appendix III Appendix IV	No	NA	NA

Notes:

NA - not applicable

The statistical background prediction limits used to assess Appendix III data and the GWPSs used to assess Appendix IV data are summarized in Tables 1 and 2, respectively. Appendix III and Appendix IV sample analytical data are summarized in Tables 3 and 4, respectively, and the laboratory analytical reports are provided in Attachment 1. Statistical analysis of the sample data collected through 2022 was performed in accordance with the Statistical Analysis Plan for the site (Golder 2022) and the USEPA Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities-Unified Guidance (USEPA 2009). The statistical analysis included an evaluation of statistical confidence intervals based on Appendix IV sample data collected from downgradient monitoring wells. Statistically significant levels (SSLs) above GWPSs are indicated if the 95% lower confidence limit of a particular parameter's data population exceeds the GWPS. Based on the Appendix IV sample data, none of the Appendix IV parameters are currently present at SSLs above GWPSs. Graphical representations of the statistical analysis results are provided in Attachment 2.

3.0 KEY ACTIONS COMPLETED IN 2022

Assessment Monitoring Program groundwater monitoring events were completed in May and September 2022. The number of groundwater samples that were collected for analysis for 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).

No CCR wells were installed or decommissioned in 2021.

Water elevations measured in the CCR wells during the semi-annual groundwater sampling events were used to develop groundwater potentiometric surface maps, which are presented in Attachment 3. The inferred direction and magnitude of groundwater flow in 2022 was generally to the east-southeast at about 18 feet per year.

4.0 PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

No problems were encountered with the CCR groundwater monitoring program in 2022.

5.0 KEY ACTIVITIES PLANNED FOR 2023

The following key activities are planned for 2023:

- 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

Golder, 2022. Coal Combustion Residual Rule Statistical Analysis Plan – Revision No. 1, Oak Grove Steam Electric Station, FGD Pond Area, Robertson County, 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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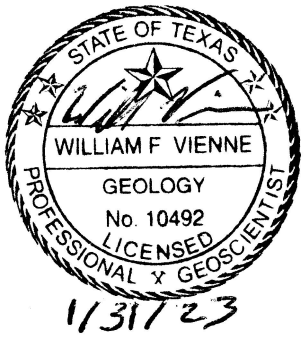
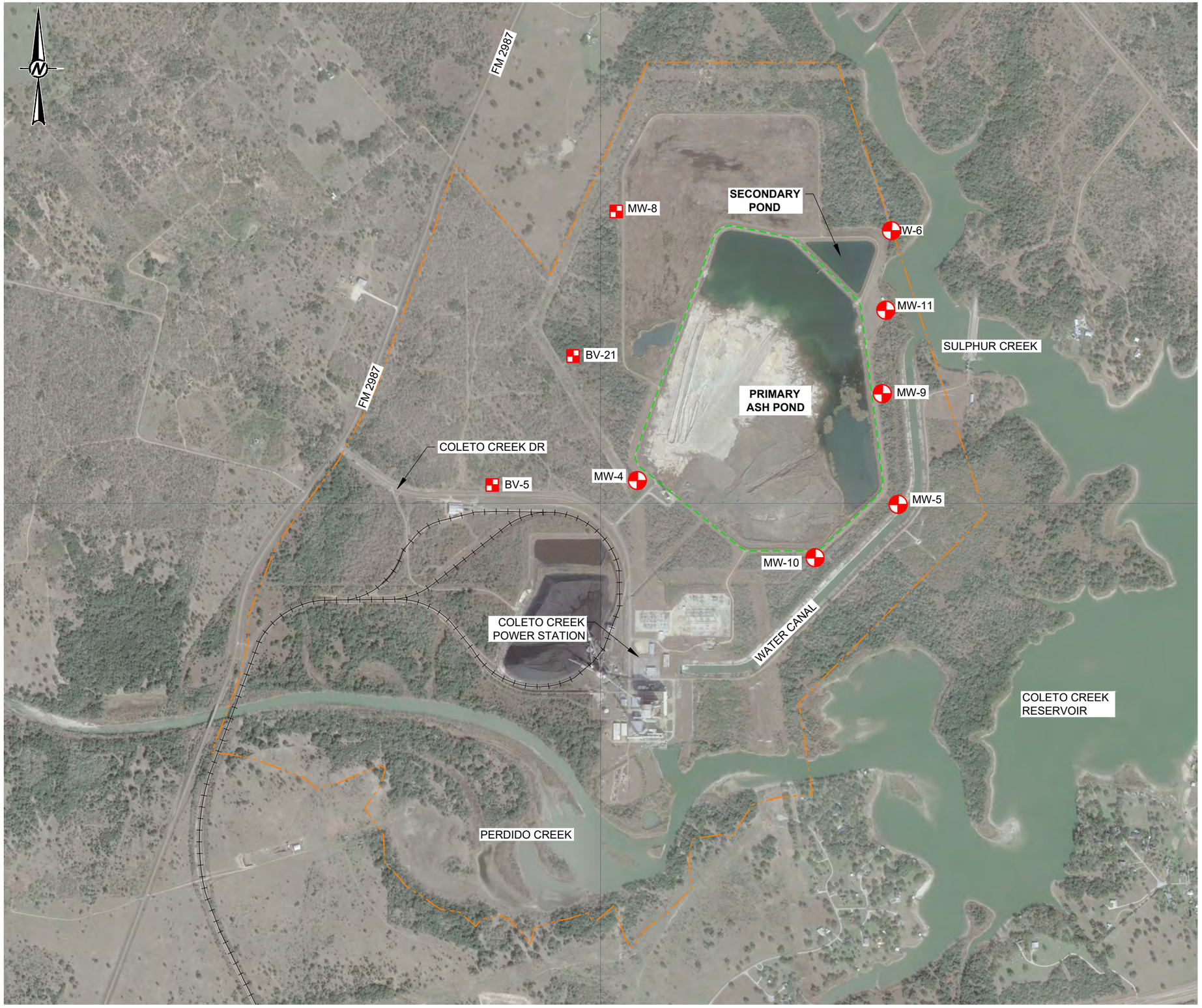


FIGURES



LEGEND

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

STATE OF TEXAS
WILLIAM F VIENNE
GEOLOGY
No. 10492
LICENSED
PROFESSIONAL GEOSCIENTIST
1/31/23

REFERENCE(S)

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

0 600 1200
1" = 1200' FEET

CLIENT
COLETO CREEK POWER LP

PROJECT
COLETO CREEK POWER STATION
FANNIN, TEXAS

TITLE
FACILITY LAYOUT MAP

CONSULTANT

YYYY-MM-DD	2021-12-14
DESIGNED	RS
PREPARED	RS
REVIEWED	WFV
APPROVED	WFV

PROJECT NO. 20142034 | REV. 0 | FIGURE 1

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TABLES

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

Parameter	Statistical Background Value
Boron (mg/L)	1.26
Calcium (mg/L)	143
Chloride (mg/L)	118
Fluoride (mg/L)	0.61
field pH (s.u.)	6.51 7.33
Sulfate (mg/L)	148
Total Dissolved Solids (mg/L)	966

Table 2
Groundwater Protection Standards
Coleto Creek Primary Ash Pond

Parameter	Groundwater Protection Standard
Antimony (mg/L)	0.006
Arsenic (mg/L)	0.128
Barium (mg/L)	2.0
Beryllium (mg/L)	0.004
Cadmium (mg/L)	0.005
Chromium (mg/L)	0.10
Cobalt (mg/L)	0.0499
Fluoride (mg/L)	4.0
Lead (mg/L)	0.015
Lithium (mg/L)	0.04
Mercury (mg/L)	0.002
Molybdenum (mg/L)	0.10
Selenium (mg/L)	0.05
Thallium (mg/L)	0.002
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	0.872	7.49	137	777
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

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-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
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

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-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
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
	09/19/22 DUP	1.21	70.3	118	0.874	7.63	136	777

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
	5/25/22 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
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

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-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	7.3	43	407
	07/11/17	1.23	44.7	44	1	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
	6/25/21 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

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	0.0095	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	0.0094	0.0441	<0.0003	<0.0003	0.0029 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	0.0088	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	0.0098	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
	6/2/2021	<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	0.0087	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
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	0.0056 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	<0.0008	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
	6/2/2021	<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
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	0.009	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	0.0095	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	0.0086	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
	10/6/2020	<0.000800	0.0086	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
	6/25/2021	<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	0.0086	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	0.0092	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
	9/20/2022	<0.000800	0.0098	0.0832	<0.000300	<0.000300	<0.00200	0.0106	0.403	<0.000300	0.0102	<0.0000800	0.0126	<0.00200	<0.000500	0.0979 U	0.789	0.887

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
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	0.0084	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	0.0079	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	0.0076	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	0.0075	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
	6/2/2021	<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	0.0086	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	0.0077	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
	9/19/2022	<0.000800	0.0082	0.058	<0.000300	<0.000300	<0.00200	0.0107	0.502	<0.000300	0.0182	<0.0000800	<0.00200	<0.00200	<0.000500	0.0939 U	0.441 J	0.534 J
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	0.01	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	0.0095	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	0.0095	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	0.0092	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	0.0089	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	0.0093	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
	6/25/2021	<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	0.0089	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	0.0096	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
	9/20/2022	<0.000800	0.0096	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
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	0.0086	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	0.008	0.0894	<0.0003	<0.0003	<0.002	<0.003	0.438	<0.0003	0.0097 J	<0.00008	0.00884	<0.0020	<0.0005	<0.407	<0.623	<1.03
	10/02/19	<0.0008	0.0078	0.0876	<0.0003	<0.0003	<0.002	<0.003	0.357 J	<0.0003	0.0088 J	<0.00008	0.00875	<0.0020	<0.0005	0.715	1.23	1.94
	06/09/20	<0.0008	0.008	0.078	<0.0003	<0.0003	<0.002	<0.003	0.400	<0.0003	0.0113	<0.00008	0.0357	<0.002	<0.0005	0.0064	0.127	0.134
	10/06/20	<0.000800	0.0077	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	0.0079	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	0.0085	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	0.0088	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 U	0.259 J
	9/19/22 DUP	<0.000800	0.0134	0.0457	<0.000300	<0.000300	0.00338 J	0.0397	0.874	0.00131	0.0151	<0.0000800	0.0109	<0.00200	<0.000500	0.323	0.468	0.791

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	0.0055 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	0.0041 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
	5/25/22 DUP	<0.000800	0.0229	0.107	<0.000300	<0.000300	<0.00200	<0.00300	0.922	<0.000300	0.00781 J	<0.0000800	0.0357	<0.00200	<0.000500	0.0510 U	1.05	1.10
	9/19/2022	<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 U	0.150 U
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
	6/25/2021	<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
	9/20/2022	<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

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	<0.0008	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	<0.0008	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	<0.0008	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
	6/25/2021	<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
	9/19/2022	<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

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

ATTACHMENT 1

LABORATORY ANALYTICAL REPORTS

July 18, 2022

Will Vienne
WSP-Golder
2201 Double Creek Dr #4004
Round Rock, Texas 78664
TEL: (512) 671-3434
FAX (512) 671-3446

Order No.: 2205330

RE: Coleto Creek CCR Wells

Dear Will Vienne:

DHL Analytical, Inc. received 10 sample(s) on 5/28/2022 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: T104704211-22-28

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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: Golder Associates
ADDRESS: 1501 E Mockingbird Ln Victoria, TX 77904
PHONE: _____ EMAIL: _____
DATA REPORTED TO: William Vienne, Greg Logan
ADDITIONAL REPORT COPIES TO: Dominic Baptiste

DATE: 5/25/22
PO#: 31404097.09

LABORATORY USE ONLY
DHL WORKORDER #: 2205330

PROJECT LOCATION OR NAME: Coleto Creek CCR Wells
CLIENT PROJECT # 31404097.09 COLLECTOR: Dominic Baptiste

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

Lab Use Only

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

Field Sample I.D.	DHL Lab #	Collection Date	Collection Time	Matrix	Container Type	# of Containers	PRESERVATION: HCL	HNO3	H2SO4	NaOH ☐ Zn Acetate ☐	ICE ☐ UNPRESERVED ☐	ANALYSES	Wet Chem/TDS	Metals-total	Radiums	FIELD NOTES
BV-21	01	5/25/22	1223	W	P	4		X					X	X	X	Appendix III & IV
MW-11	02	5/25/22	1543	W	P	4		X					X	X	X	
MW-9	03	5/25/22	1725	W	P	4		X					X	X	X	
MW-101	04	5/25/22	1730	W	P	4		X					X	X	X	
MW-10	05	5/25/22	1847	W	P	4		X					X	X	X	
MW-4	06	5/26/22	0952	W	P	4		X					X	X	X	
MW-8	07	5/26/22	1146	W	P	4		X					X	X	X	
MW-6	08	5/26/22	1436	W	P	4		X					X	X	X	
MW-5	09	5/26/22	1637	W	P	4		X					X	X	X	
BV-5	10	5/26/22	1819	W	P	4		X					X	X	X	

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 ☐

Relinquished By: (Sign) Dominic Baptiste DATE/TIME 5/27/22 1700 Received by: FEDEX
Relinquished By: (Sign) FEDEX DATE/TIME 5/28/22 12:40PM Received by: [signature]
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 _____ ☐

LABORATORY USE ONLY
RECEIVING TEMP (°C): 3.7/3.9/1.4 THERM #: 78
CUSTODY SEALS: ☐ BROKEN ☒ INTACT ☐ NOT USED
CARRIER: ☐ LSO ☒ FEDEX ☐ UPS ☐ COURIER ☐ OTHER ☐ HAND DELIVERED

☐ **DHL DISPOSAL @ 5.00 each** ☐ **Return**

DHL COC REV 3 | MAR 2021

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

From: Vienne, Will [mailto:William_Vienne@golder.com]
Sent: Tuesday, April 09, 2019 12:48 PM
To: John DuPont <dupont@dhlanalytical.com>
Subject: CCR Analysis

CUSTODY SEAL
DATE 5/27/22
SIGNATURE [signature]

DHL ANALYTICAL

FedEx Express — *Package US Airbill*

FedEx Tracking Number 8142 3023 0987

Form ID No. 0200

1 From [redacted]

Date 5/28/22

Sender's Name Phone

Company

Address 1501 E Mockingbird Ln Dept/Floor/Suite/Room

City Victoria State TX ZIP 77904

2 Your Internal Billing Reference

3 To

Recipient's Name Sample Re... Phone 512

Company DHL Analytical

Address 2300 Double Creek Dr Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Hold Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Hold Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Round Rock State TX ZIP 78664

8142 3023 0987

4 Express Package Service * To most locations.

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ Fe... Bo...

6 Special Handling and Delivery Signature Opt...

☒ Saturday Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express...

☐ No Signature Required — Package may be left without obtaining a signature for delivery.
☐ Direct Signature — Someone at recipient's address may sign for delivery.

Does this shipment contain dangerous goods?
One box must be checked.
☐ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No.

☒ Sender (Acct. No. in Section 1 will be billed.) ☐ Recipient ☐ Third Party

[redacted]

Total Packages Total Weight ___ lbs. [redacted] Credit Card Auth.

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

Rev. Date 3/15 • Part #167002 • ©2012–2015 FedEx • PRINTED IN U.S.A. RRDA 00/00

RT NSDR 10:30
ST 0
0987
05.28

SATURDAY 12:00P
PRIORITY OVERNIGHT
78664 TX-US AUS

FedEx TRK# 8142 3023 0987 0200
XO BSMA

644

CUSTODY SEAL
DATE 5/27/22
SIGNATURE [signature]

DHL ANALYTICAL

FedEx Express

Package US Airbill

FedEx Tracking Number 8142 3023 0998

1 From
Date 5/27/22 [redacted]

Sender's Name Denise Baptiste Phone

Company Crider Associates

Address 1501 E. Mockingbird Ln Dept./Floor/Suite/Room

City Victoria State Tx ZIP 77904

2 Your Internal Billing Reference

3 To
Recipient's Name Sample Receiving Phone

Company DHL Analytical

Address 2300 Double Creek Dr Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Hold Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Address
Use this line for the HOLD location address or for continuation of your shipping address.

Hold Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

City Round Rock State TX ZIP 78664

8142 3023 0998

4

FedEx Saturday Delivery

151967 REV

locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

FedEx P...
Next busin... delivered o... is selected

FedEx S...
Next busin... Saturday D...

5 Packa...
FedEx ...

6 Spec...
Saturd... NOT ava...

No Si...
Package... obtainin...

Does th...

No

Restrictions apply for dangerous goods

7 Payment Bill to:
Enter FedEx Acct. No. or Credit...

Sender (Acct. No. in Section 1 will be billed.) Recipient Th... ...Check

[redacted]

Total Packages Total Weight lbs.

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx ... details.

Rev. Date 3/15 • Part #167002 • ©2012–2015 FedEx • PRINTED IN U.S.A. RRDA 00/00

644

SDR

FedEx
TRK# 0200 8142 3023 0998

SATURDAY 12:0...
PRIORITY OVERNIG...

X0 BSMA

786...
TX
AU...

3923367 27May2022 VCTA 56DG5/1BD6/C0B8

196

CUSTODY SEAL

DATE 5/27/22

SIGNATURE Divine Baptiste

DHL ANALYTICAL

1001 05.28

FedEx Express Package US Airbill

FedEx Tracking Number 8142 3023 1001

Form ID No. 0200

RTO FZO

Phone

Dept./Floor/Suite/Room

City State TX ZIP

2 Your Internal Billing Reference

3 To

Recipient's Name Phone

Company DHL Analytical

Address 3300 Dutch Creek Dr.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City State ZIP

Hold Weekday
FedEx location address REQUIRED. **NOT available for** FedEx First Overnight.

Hold Saturday
FedEx location address REQUIRED. **Available ONLY for** FedEx Priority Overnight and FedEx 2Day to select locations.

8142 3023 1001

fedex.com 1.800.GoFedEx 1.800.463.3339

4 Express Package Service

Next Business Day

- FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $50

FedEx Envelope* FedEx

6 Special Handling and Delive

Saturday Delivery **NOT available for** FedEx Standard Overnight, FedE

No Signature Required Package may be left without obtaining a signature for delivery.

Does this shipment contain dangerou

One box must be checked.

No Yes As per attached Shipper's Declaration. Yes Ship not

Restrictions apply for dangerous goods — see the current F

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No.

Sender Acct. No. in Section 1 will be billed. Recipient Third Party Credit Card Cash/Check

Total Packages Total Weight lbs. Credit Card Auth.

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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SATURDAY 12:00P
PRIORITY OVERNIGHT

78664 TX-US AUS

X0 BSMA

FedEx TRK# 8142 3023 1001 0200

644

3923367 27May2022 VCTA 66D65/1BD6/C0B8

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name WSP-Golder | Date Received: 5/28/2022

Work Order Number 2205330 | Received by: AH

Checklist completed by: [signature] (Signature) 5/31/2022 (Date) | Reviewed by (PL) (Initials) 5/31/2022 (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 ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	3.7 °C /3.9/1.4°C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH<2 acceptable upon receipt?	Yes ☑	No ☐	NA ☐ LOT # 13171
	Adjusted? no		Checked by EL
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by

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 Wells	**LRC Date:** 7/18/22
Reviewer Name: Carlos Castro	**Laboratory Work Order:** 2205330
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 Wells	**LRC Date:** 7/18/22
Reviewer Name: Carlos Castro	**Laboratory Work Order:** 2205330
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 February 23-26 2021. 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

07/18/22
Date

Name: Dr. Derhsing Luu
Official Title: Technical Director

DHL Analytical, Inc. **Date:** *18-Jul-22*

CLIENT: WSP-Golder
Project: Coleto Creek CCR Wells
Lab Order: 2205330

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 SM 7500 Ra B M. Analyzed at Pace Analytical.

Exception Report R1-01

The samples were received and log-in performed on 5/28/22. 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 6/1/22 the matrix spike and matrix spike duplicate recoveries (2205330-07 MS/MSD) were slightly below control limits for Chloride and/or Sulfate. This was due to matrix effect. These are 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 these analytes. No further corrective actions were taken.

DHL Analytical, Inc.

Date: *18-Jul-22*

CLIENT: WSP-Golder
Project: Coleto Creek CCR Wells
Lab Order: 2205330

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2205330-01	BV-21		05/25/22 12:23 PM	5/28/2022
2205330-02	MW-11		05/25/22 03:43 PM	5/28/2022
2205330-03	MW-9		05/25/22 05:25 PM	5/28/2022
2205330-04	MW-101		05/25/22 05:30 PM	5/28/2022
2205330-05	MW-10		05/25/22 06:47 PM	5/28/2022
2205330-06	MW-4		05/26/22 09:52 AM	5/28/2022
2205330-07	MW-8		05/26/22 11:46 AM	5/28/2022
2205330-08	MW-6		05/26/22 02:36 PM	5/28/2022
2205330-09	MW-5		05/26/22 04:37 PM	5/28/2022
2205330-10	BV-5		05/26/22 06:19 PM	5/28/2022

Lab Order: 2205330
Client: WSP-Golder
Project: Coleto Creek CCR Wells

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2205330-01A	BV-21	05/25/22 12:23 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	BV-21	05/25/22 12:23 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	BV-21	05/25/22 12:23 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	BV-21	05/25/22 12:23 PM	Aqueous	SW7470A	Mercury Aq Prep	06/01/22 12:42 PM	105626
2205330-01B	BV-21	05/25/22 12:23 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	BV-21	05/25/22 12:23 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	BV-21	05/25/22 12:23 PM	Aqueous	M2540C	TDS Preparation	05/31/22 03:11 PM	105602
2205330-02A	MW-11	05/25/22 03:43 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-11	05/25/22 03:43 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-11	05/25/22 03:43 PM	Aqueous	SW7470A	Mercury Aq Prep	06/01/22 12:42 PM	105626
2205330-02B	MW-11	05/25/22 03:43 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-11	05/25/22 03:43 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-11	05/25/22 03:43 PM	Aqueous	M2540C	TDS Preparation	05/31/22 03:11 PM	105602
2205330-03A	MW-9	05/25/22 05:25 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-9	05/25/22 05:25 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-9	05/25/22 05:25 PM	Aqueous	SW7470A	Mercury Aq Prep	06/01/22 12:42 PM	105626
2205330-03B	MW-9	05/25/22 05:25 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-9	05/25/22 05:25 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-9	05/25/22 05:25 PM	Aqueous	M2540C	TDS Preparation	05/31/22 03:11 PM	105602
2205330-04A	MW-101	05/25/22 05:30 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-101	05/25/22 05:30 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-101	05/25/22 05:30 PM	Aqueous	SW7470A	Mercury Aq Prep	06/01/22 12:42 PM	105626
2205330-04B	MW-101	05/25/22 05:30 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-101	05/25/22 05:30 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-101	05/25/22 05:30 PM	Aqueous	M2540C	TDS Preparation	05/31/22 03:11 PM	105602
2205330-05A	MW-10	05/25/22 06:47 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-10	05/25/22 06:47 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-10	05/25/22 06:47 PM	Aqueous	SW7470A	Mercury Aq Prep	06/01/22 12:42 PM	105626

Lab Order: 2205330
Client: WSP-Golder
Project: Coleto Creek CCR Wells

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2205330-05B	MW-10	05/25/22 06:47 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-10	05/25/22 06:47 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-10	05/25/22 06:47 PM	Aqueous	M2540C	TDS Preparation	05/31/22 03:11 PM	105602
2205330-06A	MW-4	05/26/22 09:52 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-4	05/26/22 09:52 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-4	05/26/22 09:52 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-4	05/26/22 09:52 AM	Aqueous	SW7470A	Mercury Aq Prep	06/01/22 12:42 PM	105626
2205330-06B	MW-4	05/26/22 09:52 AM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-4	05/26/22 09:52 AM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-4	05/26/22 09:52 AM	Aqueous	M2540C	TDS Preparation	06/01/22 10:36 AM	105624
2205330-07A	MW-8	05/26/22 11:46 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-8	05/26/22 11:46 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-8	05/26/22 11:46 AM	Aqueous	SW7470A	Mercury Aq Prep	06/01/22 12:42 PM	105626
2205330-07B	MW-8	05/26/22 11:46 AM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-8	05/26/22 11:46 AM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-8	05/26/22 11:46 AM	Aqueous	M2540C	TDS Preparation	06/01/22 10:36 AM	105624
2205330-08A	MW-6	05/26/22 02:36 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-6	05/26/22 02:36 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-6	05/26/22 02:36 PM	Aqueous	SW7470A	Mercury Aq Prep	06/01/22 12:42 PM	105626
2205330-08B	MW-6	05/26/22 02:36 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-6	05/26/22 02:36 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-6	05/26/22 02:36 PM	Aqueous	M2540C	TDS Preparation	06/01/22 10:36 AM	105624
2205330-09A	MW-5	05/26/22 04:37 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-5	05/26/22 04:37 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-5	05/26/22 04:37 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	MW-5	05/26/22 04:37 PM	Aqueous	SW7470A	Mercury Aq Prep	06/01/22 12:42 PM	105626
2205330-09B	MW-5	05/26/22 04:37 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	MW-5	05/26/22 04:37 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620

Lab Order: 2205330
Client: WSP-Golder
Project: Coleto Creek CCR Wells

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2205330-09B	MW-5	05/26/22 04:37 PM	Aqueous	M2540C	TDS Preparation	06/01/22 10:36 AM	105624
2205330-10A	BV-5	05/26/22 06:19 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	BV-5	05/26/22 06:19 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	06/02/22 08:05 AM	105637
	BV-5	05/26/22 06:19 PM	Aqueous	SW7470A	Mercury Aq Prep	06/01/22 12:42 PM	105626
2205330-10B	BV-5	05/26/22 06:19 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	BV-5	05/26/22 06:19 PM	Aqueous	E300	Anion Preparation	06/01/22 10:21 AM	105620
	BV-5	05/26/22 06:19 PM	Aqueous	M2540C	TDS Preparation	06/01/22 10:36 AM	105624

Lab Order: 2205330
Client: WSP-Golder
Project: Coleto Creek CCR Wells

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2205330-01A	BV-21	Aqueous	SW7470A	Mercury Total: Aqueous	105626	1	06/03/22 11:17 AM	CETAC2_HG_220603C
	BV-21	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/03/22 02:25 PM	ICP-MS4_220603B
	BV-21	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/02/22 02:56 PM	ICP-MS5_220602A
	BV-21	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	10	06/02/22 04:07 PM	ICP-MS5_220602A
2205330-01B	BV-21	Aqueous	E300	Anions by IC method - Water	105620	10	06/01/22 05:35 PM	IC2_220601A
	BV-21	Aqueous	E300	Anions by IC method - Water	105620	1	06/02/22 01:14 AM	IC2_220601A
	BV-21	Aqueous	M2540C	Total Dissolved Solids	105602	1	05/31/22 05:50 PM	WC_220531C
2205330-02A	MW-11	Aqueous	SW7470A	Mercury Total: Aqueous	105626	1	06/03/22 11:20 AM	CETAC2_HG_220603C
	MW-11	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	5	06/03/22 02:27 PM	ICP-MS4_220603B
	MW-11	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/02/22 02:58 PM	ICP-MS5_220602A
2205330-02B	MW-11	Aqueous	E300	Anions by IC method - Water	105620	10	06/01/22 07:00 PM	IC2_220601A
	MW-11	Aqueous	E300	Anions by IC method - Water	105620	1	06/02/22 01:31 AM	IC2_220601A
	MW-11	Aqueous	M2540C	Total Dissolved Solids	105602	1	05/31/22 05:50 PM	WC_220531C
2205330-03A	MW-9	Aqueous	SW7470A	Mercury Total: Aqueous	105626	1	06/03/22 11:22 AM	CETAC2_HG_220603C
	MW-9	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	5	06/03/22 02:29 PM	ICP-MS4_220603B
	MW-9	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/02/22 03:01 PM	ICP-MS5_220602A
2205330-03B	MW-9	Aqueous	E300	Anions by IC method - Water	105620	10	06/01/22 07:17 PM	IC2_220601A
	MW-9	Aqueous	E300	Anions by IC method - Water	105620	1	06/02/22 02:56 AM	IC2_220601A
	MW-9	Aqueous	M2540C	Total Dissolved Solids	105602	1	05/31/22 05:50 PM	WC_220531C
2205330-04A	MW-101	Aqueous	SW7470A	Mercury Total: Aqueous	105626	1	06/03/22 11:24 AM	CETAC2_HG_220603C
	MW-101	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	5	06/03/22 02:21 PM	ICP-MS4_220603B
	MW-101	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/02/22 02:50 PM	ICP-MS5_220602A
2205330-04B	MW-101	Aqueous	E300	Anions by IC method - Water	105620	10	06/01/22 07:34 PM	IC2_220601A
	MW-101	Aqueous	E300	Anions by IC method - Water	105620	1	06/02/22 03:13 AM	IC2_220601A
	MW-101	Aqueous	M2540C	Total Dissolved Solids	105602	1	05/31/22 05:50 PM	WC_220531C
2205330-05A	MW-10	Aqueous	SW7470A	Mercury Total: Aqueous	105626	1	06/03/22 11:27 AM	CETAC2_HG_220603C

Lab Order: 2205330
Client: WSP-Golder
Project: Coleto Creek CCR Wells

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2205330-05A	MW-10	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	20	06/03/22 02:31 PM	ICP-MS4_220603B
	MW-10	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/02/22 03:03 PM	ICP-MS5_220602A
2205330-05B	MW-10	Aqueous	E300	Anions by IC method - Water	105620	10	06/01/22 07:51 PM	IC2_220601A
	MW-10	Aqueous	E300	Anions by IC method - Water	105620	1	06/02/22 03:30 AM	IC2_220601A
	MW-10	Aqueous	M2540C	Total Dissolved Solids	105602	1	05/31/22 05:50 PM	WC_220531C
2205330-06A	MW-4	Aqueous	SW7470A	Mercury Total: Aqueous	105626	1	06/03/22 11:29 AM	CETAC2_HG_220603C
	MW-4	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/03/22 02:33 PM	ICP-MS4_220603B
	MW-4	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/02/22 03:06 PM	ICP-MS5_220602A
	MW-4	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	10	06/02/22 04:10 PM	ICP-MS5_220602A
2205330-06B	MW-4	Aqueous	E300	Anions by IC method - Water	105620	10	06/01/22 08:08 PM	IC2_220601A
	MW-4	Aqueous	E300	Anions by IC method - Water	105620	1	06/02/22 03:47 AM	IC2_220601A
	MW-4	Aqueous	M2540C	Total Dissolved Solids	105624	1	06/01/22 04:25 PM	WC_220601D
2205330-07A	MW-8	Aqueous	SW7470A	Mercury Total: Aqueous	105626	1	06/03/22 11:36 AM	CETAC2_HG_220603C
	MW-8	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	5	06/03/22 02:35 PM	ICP-MS4_220603B
	MW-8	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/02/22 03:09 PM	ICP-MS5_220602A
2205330-07B	MW-8	Aqueous	E300	Anions by IC method - Water	105620	10	06/01/22 08:25 PM	IC2_220601A
	MW-8	Aqueous	E300	Anions by IC method - Water	105620	1	06/02/22 04:04 AM	IC2_220601A
	MW-8	Aqueous	M2540C	Total Dissolved Solids	105624	1	06/01/22 04:25 PM	WC_220601D
2205330-08A	MW-6	Aqueous	SW7470A	Mercury Total: Aqueous	105626	1	06/03/22 11:38 AM	CETAC2_HG_220603C
	MW-6	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/02/22 03:11 PM	ICP-MS5_220602A
	MW-6	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	10	06/03/22 02:37 PM	ICP-MS4_220603B
2205330-08B	MW-6	Aqueous	E300	Anions by IC method - Water	105620	1	06/02/22 04:21 AM	IC2_220601A
	MW-6	Aqueous	E300	Anions by IC method - Water	105620	10	06/01/22 09:16 PM	IC2_220601A
	MW-6	Aqueous	M2540C	Total Dissolved Solids	105624	1	06/01/22 04:25 PM	WC_220601D
2205330-09A	MW-5	Aqueous	SW7470A	Mercury Total: Aqueous	105626	1	06/03/22 11:40 AM	CETAC2_HG_220603C
	MW-5	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/03/22 02:39 PM	ICP-MS4_220603B

Lab Order: 2205330
Client: WSP-Golder
Project: Coleto Creek CCR Wells

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2205330-09A	MW-5	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/02/22 03:14 PM	ICP-MS5_220602A
	MW-5	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	10	06/02/22 04:12 PM	ICP-MS5_220602A
2205330-09B	MW-5	Aqueous	E300	Anions by IC method - Water	105620	10	06/01/22 09:33 PM	IC2_220601A
	MW-5	Aqueous	E300	Anions by IC method - Water	105620	1	06/02/22 04:38 AM	IC2_220601A
	MW-5	Aqueous	M2540C	Total Dissolved Solids	105624	1	06/01/22 04:25 PM	WC_220601D
2205330-10A	BV-5	Aqueous	SW7470A	Mercury Total: Aqueous	105626	1	06/03/22 11:43 AM	CETAC2_HG_220603C
	BV-5	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	5	06/03/22 02:41 PM	ICP-MS4_220603B
	BV-5	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	105637	1	06/02/22 03:16 PM	ICP-MS5_220602A
2205330-10B	BV-5	Aqueous	E300	Anions by IC method - Water	105620	10	06/01/22 10:58 PM	IC2_220601A
	BV-5	Aqueous	E300	Anions by IC method - Water	105620	1	06/02/22 04:55 AM	IC2_220601A
	BV-5	Aqueous	M2540C	Total Dissolved Solids	105624	1	06/01/22 04:25 PM	WC_220601D

DHL Analytical, Inc.

Date: *18-Jul-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	BV-21
Project:	Coleto Creek CCR Wells	**Lab ID:**	2205330-01
Project No:	19122262-B3	**Collection Date:**	05/25/22 12:23 PM
Lab Order:	2205330	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/02/22 02:56 PM
Arsenic	0.0716	0.00200	0.00500		mg/L	1	06/02/22 02:56 PM
Barium	0.248	0.00300	0.0100		mg/L	1	06/02/22 02:56 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 02:56 PM
Boron	0.395	0.0100	0.0300		mg/L	1	06/03/22 02:25 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 02:56 PM
Calcium	110	1.00	3.00		mg/L	10	06/02/22 04:07 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 02:56 PM
Cobalt	0.00377	0.00300	0.00500	J	mg/L	1	06/02/22 02:56 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 02:56 PM
Lithium	0.00634	0.00500	0.0100	J	mg/L	1	06/02/22 02:56 PM
Molybdenum	0.00432	0.00200	0.00500	J	mg/L	1	06/02/22 02:56 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 02:56 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/02/22 02:56 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JVR**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/03/22 11:17 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	76.7	3.00	10.0		mg/L	10	06/01/22 05:35 PM
Fluoride	0.467	0.100	0.400		mg/L	1	06/02/22 01:14 AM
Sulfate	42.6	1.00	3.00		mg/L	1	06/02/22 01:14 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	485	10.0	10.0		mg/L	1	05/31/22 05:50 PM

Qualifiers:

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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: *18-Jul-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-11
Project:	Coleto Creek CCR Wells	**Lab ID:**	2205330-02
Project No:	19122262-B3	**Collection Date:**	05/25/22 03:43 PM
Lab Order:	2205330	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/02/22 02:58 PM
Arsenic	0.0193	0.00200	0.00500		mg/L	1	06/02/22 02:58 PM
Barium	0.0854	0.00300	0.0100		mg/L	1	06/02/22 02:58 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 02:58 PM
Boron	0.845	0.0500	0.150		mg/L	5	06/03/22 02:27 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 02:58 PM
Calcium	57.1	0.500	1.50		mg/L	5	06/03/22 02:27 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 02:58 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	06/02/22 02:58 PM
Lead	0.000301	0.000300	0.00100	J	mg/L	1	06/02/22 02:58 PM
Lithium	0.0137	0.00500	0.0100		mg/L	1	06/02/22 02:58 PM
Molybdenum	0.0170	0.00200	0.00500		mg/L	1	06/02/22 02:58 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 02:58 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/02/22 02:58 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JVR**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/03/22 11:20 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	34.6	0.300	1.00		mg/L	1	06/02/22 01:31 AM
Fluoride	0.699	0.100	0.400		mg/L	1	06/02/22 01:31 AM
Sulfate	54.5	1.00	3.00		mg/L	1	06/02/22 01:31 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	371	10.0	10.0		mg/L	1	05/31/22 05:50 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: *18-Jul-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-9
Project:	Coleto Creek CCR Wells	**Lab ID:**	2205330-03
Project No:	19122262-B3	**Collection Date:**	05/25/22 05:25 PM
Lab Order:	2205330	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/02/22 03:01 PM
Arsenic	0.0225	0.00200	0.00500		mg/L	1	06/02/22 03:01 PM
Barium	0.105	0.00300	0.0100		mg/L	1	06/02/22 03:01 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:01 PM
Boron	0.901	0.0500	0.150		mg/L	5	06/03/22 02:29 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:01 PM
Calcium	55.2	0.500	1.50		mg/L	5	06/03/22 02:29 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:01 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	06/02/22 03:01 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:01 PM
Lithium	0.00750	0.00500	0.0100	J	mg/L	1	06/02/22 03:01 PM
Molybdenum	0.0351	0.00200	0.00500		mg/L	1	06/02/22 03:01 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:01 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/02/22 03:01 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JVR**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/03/22 11:22 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	35.3	0.300	1.00		mg/L	1	06/02/22 02:56 AM
Fluoride	0.926	0.100	0.400		mg/L	1	06/02/22 02:56 AM
Sulfate	56.5	1.00	3.00		mg/L	1	06/02/22 02:56 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	373	10.0	10.0		mg/L	1	05/31/22 05:50 PM

Qualifiers:

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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: *18-Jul-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-101
Project:	Coleto Creek CCR Wells	**Lab ID:**	2205330-04
Project No:	19122262-B3	**Collection Date:**	05/25/22 05:30 PM
Lab Order:	2205330	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/02/22 02:50 PM
Arsenic	0.0229	0.00200	0.00500		mg/L	1	06/02/22 02:50 PM
Barium	0.107	0.00300	0.0100		mg/L	1	06/02/22 02:50 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 02:50 PM
Boron	0.858	0.0500	0.150		mg/L	5	06/03/22 02:21 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 02:50 PM
Calcium	56.6	0.500	1.50		mg/L	5	06/03/22 02:21 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 02:50 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	06/02/22 02:50 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 02:50 PM
Lithium	0.00781	0.00500	0.0100	J	mg/L	1	06/02/22 02:50 PM
Molybdenum	0.0357	0.00200	0.00500		mg/L	1	06/02/22 02:50 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 02:50 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/02/22 02:50 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JVR**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/03/22 11:24 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	35.3	0.300	1.00		mg/L	1	06/02/22 03:13 AM
Fluoride	0.922	0.100	0.400		mg/L	1	06/02/22 03:13 AM
Sulfate	56.3	1.00	3.00		mg/L	1	06/02/22 03:13 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	367	10.0	10.0		mg/L	1	05/31/22 05:50 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: *18-Jul-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-10
Project:	Coleto Creek CCR Wells	**Lab ID:**	2205330-05
Project No:	19122262-B3	**Collection Date:**	05/25/22 06:47 PM
Lab Order:	2205330	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/02/22 03:03 PM
Arsenic	0.0146	0.00200	0.00500		mg/L	1	06/02/22 03:03 PM
Barium	0.0488	0.00300	0.0100		mg/L	1	06/02/22 03:03 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:03 PM
Boron	5.94	0.200	0.600		mg/L	20	06/03/22 02:31 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:03 PM
Calcium	45.6	2.00	6.00		mg/L	20	06/03/22 02:31 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:03 PM
Cobalt	0.00492	0.00300	0.00500	J	mg/L	1	06/02/22 03:03 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:03 PM
Lithium	0.0121	0.00500	0.0100		mg/L	1	06/02/22 03:03 PM
Molybdenum	0.0902	0.00200	0.00500		mg/L	1	06/02/22 03:03 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:03 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/02/22 03:03 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JVR**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/03/22 11:27 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	62.4	3.00	10.0		mg/L	10	06/01/22 07:51 PM
Fluoride	1.01	0.100	0.400		mg/L	1	06/02/22 03:30 AM
Sulfate	78.8	1.00	3.00		mg/L	1	06/02/22 03:30 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	545	10.0	10.0		mg/L	1	05/31/22 05:50 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: *18-Jul-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-4
Project:	Coleto Creek CCR Wells	**Lab ID:**	2205330-06
Project No:	19122262-B3	**Collection Date:**	05/26/22 09:52 AM
Lab Order:	2205330	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/02/22 03:06 PM
Arsenic	0.00767	0.00200	0.00500		mg/L	1	06/02/22 03:06 PM
Barium	0.0570	0.00300	0.0100		mg/L	1	06/02/22 03:06 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:06 PM
Boron	0.271	0.0100	0.0300		mg/L	1	06/03/22 02:33 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:06 PM
Calcium	99.2	1.00	3.00		mg/L	10	06/02/22 04:10 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:06 PM
Cobalt	0.00996	0.00300	0.00500		mg/L	1	06/02/22 03:06 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:06 PM
Lithium	0.0180	0.00500	0.0100		mg/L	1	06/02/22 03:06 PM
Molybdenum	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:06 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:06 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/02/22 03:06 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JVR**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/03/22 11:29 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	98.3	3.00	10.0		mg/L	10	06/01/22 08:08 PM
Fluoride	0.613	0.100	0.400		mg/L	1	06/02/22 03:47 AM
Sulfate	154	10.0	30.0		mg/L	10	06/01/22 08:08 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	723	10.0	10.0		mg/L	1	06/01/22 04:25 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: *18-Jul-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-8
Project:	Coleto Creek CCR Wells	**Lab ID:**	2205330-07
Project No:	19122262-B3	**Collection Date:**	05/26/22 11:46 AM
Lab Order:	2205330	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/02/22 03:09 PM
Arsenic	0.00916	0.00200	0.00500		mg/L	1	06/02/22 03:09 PM
Barium	0.0819	0.00300	0.0100		mg/L	1	06/02/22 03:09 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:09 PM
Boron	0.761	0.0500	0.150		mg/L	5	06/03/22 02:35 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:09 PM
Calcium	73.3	0.500	1.50		mg/L	5	06/03/22 02:35 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:09 PM
Cobalt	0.00757	0.00300	0.00500		mg/L	1	06/02/22 03:09 PM
Lead	0.000424	0.000300	0.00100	J	mg/L	1	06/02/22 03:09 PM
Lithium	0.0101	0.00500	0.0100		mg/L	1	06/02/22 03:09 PM
Molybdenum	0.0128	0.00200	0.00500		mg/L	1	06/02/22 03:09 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:09 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/02/22 03:09 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JVR**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/03/22 11:36 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	50.7	3.00	10.0		mg/L	10	06/01/22 08:25 PM
Fluoride	0.524	0.100	0.400		mg/L	1	06/02/22 04:04 AM
Sulfate	48.1	1.00	3.00		mg/L	1	06/02/22 04:04 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	473	10.0	10.0		mg/L	1	06/01/22 04:25 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
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: *18-Jul-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-6
Project:	Coleto Creek CCR Wells	**Lab ID:**	2205330-08
Project No:	19122262-B3	**Collection Date:**	05/26/22 02:36 PM
Lab Order:	2205330	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/02/22 03:11 PM
Arsenic	0.00853	0.00200	0.00500		mg/L	1	06/02/22 03:11 PM
Barium	0.0709	0.00300	0.0100		mg/L	1	06/02/22 03:11 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:11 PM
Boron	2.12	0.100	0.300		mg/L	10	06/03/22 02:37 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:11 PM
Calcium	71.9	1.00	3.00		mg/L	10	06/03/22 02:37 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:11 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	06/02/22 03:11 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:11 PM
Lithium	0.0113	0.00500	0.0100		mg/L	1	06/02/22 03:11 PM
Molybdenum	0.0360	0.00200	0.00500		mg/L	1	06/02/22 03:11 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:11 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/02/22 03:11 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JVR**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/03/22 11:38 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	64.0	3.00	10.0		mg/L	10	06/01/22 09:16 PM
Fluoride	0.416	0.100	0.400		mg/L	1	06/02/22 04:21 AM
Sulfate	109	1.00	3.00		mg/L	1	06/02/22 04:21 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	472	10.0	10.0		mg/L	1	06/01/22 04:25 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
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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: *18-Jul-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-5
Project:	Coleto Creek CCR Wells	**Lab ID:**	2205330-09
Project No:	19122262-B3	**Collection Date:**	05/26/22 04:37 PM
Lab Order:	2205330	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/02/22 03:14 PM
Arsenic	0.00961	0.00200	0.00500		mg/L	1	06/02/22 03:14 PM
Barium	0.0690	0.00300	0.0100		mg/L	1	06/02/22 03:14 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:14 PM
Boron	0.138	0.0100	0.0300		mg/L	1	06/03/22 02:39 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:14 PM
Calcium	120	1.00	3.00		mg/L	10	06/02/22 04:12 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:14 PM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	06/02/22 03:14 PM
Lead	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:14 PM
Lithium	0.0185	0.00500	0.0100		mg/L	1	06/02/22 03:14 PM
Molybdenum	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:14 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:14 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/02/22 03:14 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JVR**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/03/22 11:40 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	120	3.00	10.0		mg/L	10	06/01/22 09:33 PM
Fluoride	0.566	0.100	0.400		mg/L	1	06/02/22 04:38 AM
Sulfate	177	10.0	30.0		mg/L	10	06/01/22 09:33 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	828	10.0	10.0		mg/L	1	06/01/22 04:25 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: *18-Jul-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	BV-5
Project:	Coleto Creek CCR Wells	**Lab ID:**	2205330-10
Project No:	19122262-B3	**Collection Date:**	05/26/22 06:19 PM
Lab Order:	2205330	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	06/02/22 03:16 PM
Arsenic	0.0129	0.00200	0.00500		mg/L	1	06/02/22 03:16 PM
Barium	0.0339	0.00300	0.0100		mg/L	1	06/02/22 03:16 PM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:16 PM
Boron	1.03	0.0500	0.150		mg/L	5	06/03/22 02:41 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	06/02/22 03:16 PM
Calcium	52.8	0.500	1.50		mg/L	5	06/03/22 02:41 PM
Chromium	0.00252	0.00200	0.00500	J	mg/L	1	06/02/22 03:16 PM
Cobalt	0.0389	0.00300	0.00500		mg/L	1	06/02/22 03:16 PM
Lead	0.000401	0.000300	0.00100	J	mg/L	1	06/02/22 03:16 PM
Lithium	0.0126	0.00500	0.0100		mg/L	1	06/02/22 03:16 PM
Molybdenum	0.0136	0.00200	0.00500		mg/L	1	06/02/22 03:16 PM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	06/02/22 03:16 PM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	06/02/22 03:16 PM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **JVR**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	06/03/22 11:43 AM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	91.7	3.00	10.0		mg/L	10	06/01/22 10:58 PM
Fluoride	1.10	0.100	0.400		mg/L	1	06/02/22 04:55 AM
Sulfate	126	1.00	3.00		mg/L	1	06/02/22 04:55 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	681	10.0	10.0		mg/L	1	06/01/22 04:25 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: *18-Jul-22*

CLIENT: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_220426A

Sample ID: **DCS-105031**	Batch ID: **105031**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **DCS**	Run ID: **CETAC2_HG_220426A**	Analysis Date: **4/26/2022 1:00:45 PM**	Prep Date: **4/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.000182	0.000200	0.000200	0	91.0	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_220603C

The QC data in batch 105626 applies to the following samples: 2205330-01A, 2205330-02A, 2205330-03A, 2205330-04A, 2205330-05A, 2205330-06A, 2205330-07A, 2205330-08A, 2205330-09A, 2205330-10A

Sample ID: **MB-105626**	Batch ID: **105626**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **MBLK**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 10:34:52 AM**	Prep Date: **6/1/2022**

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

Sample ID: **LCS-105626**	Batch ID: **105626**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **LCS**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 10:37:08 AM**	Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00198	0.000200	0.00200	0	99.0	85	115			

Sample ID: **LCSD-105626**	Batch ID: **105626**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **LCSD**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 10:39:24 AM**	Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00199	0.000200	0.00200	0	99.5	85	115	0.504	15	

Sample ID: **2205298-01C MS**	Batch ID: **105626**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **MS**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 10:46:12 AM**	Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00202	0.000200	0.00200	0	101	80	120			

Sample ID: **2205298-01C MSD**	Batch ID: **105626**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **MSD**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 10:48:27 AM**	Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00203	0.000200	0.00200	0	102	80	120	0.494	15	

Sample ID: **2205298-01C SD**	Batch ID: **105626**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **SD**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 10:50:43 AM**	Prep Date: **6/1/2022**

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

Sample ID: **2205298-01C PDS**	Batch ID: **105626**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **PDS**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 10:52:59 AM**	Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00241	0.000200	0.00250	0	96.4	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_220603C

Sample ID: **ICV-220603**	Batch ID: **R121414**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **ICV**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 9:19:55 AM**	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: **CCV1-220603**	Batch ID: **R121414**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 10:21:12 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00205	0.000200	0.00200	0	103	90	110			

Sample ID: **CCV2-220603**	Batch ID: **R121414**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 11:04:21 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			

Sample ID: **CCV3-220603**	Batch ID: **R121414**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 11:31:38 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00202	0.000200	0.00200	0	101	90	110			

Sample ID: **CCV4-220603**	Batch ID: **R121414**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_220603C**	Analysis Date: **6/3/2022 11:45:20 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00199	0.000200	0.00200	0	99.5	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_220511B

Sample ID: **DCS2-105256**	Batch ID: **105256**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS2**	Run ID: **ICP-MS4_220511B**	Analysis Date: **5/11/2022 12:23:00 PM**	Prep Date: **5/10/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.318	0.300	0.300	0	106	70	130	0	0	

Sample ID: **DCS4-105256**	Batch ID: **105256**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS4**	Run ID: **ICP-MS4_220511B**	Analysis Date: **5/11/2022 12:31:00 PM**	Prep Date: **5/10/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0327	0.0300	0.0300	0	109	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_220603B

The QC data in batch 105637 applies to the following samples: 2205330-01A, 2205330-02A, 2205330-03A, 2205330-04A, 2205330-05A, 2205330-06A, 2205330-07A, 2205330-08A, 2205330-09A, 2205330-10A

Sample ID: **MB-105637** Batch ID: **105637** TestNo: **SW6020B** Units: **mg/L**
SampType: **MBLK** Run ID: **ICP-MS4_220603B** Analysis Date: **6/3/2022 2:13:00 PM** Prep Date: **6/2/2022**

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

Sample ID: **LCS-105637** Batch ID: **105637** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCS** Run ID: **ICP-MS4_220603B** Analysis Date: **6/3/2022 2:15:00 PM** Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.189	0.0300	0.200	0	94.6	80	120			

Sample ID: **LCSD-105637** Batch ID: **105637** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCSD** Run ID: **ICP-MS4_220603B** Analysis Date: **6/3/2022 2:17:00 PM** Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.195	0.0300	0.200	0	97.4	80	120	2.92	15	

Sample ID: **2205330-04A SD** Batch ID: **105637** TestNo: **SW6020B** Units: **mg/L**
SampType: **SD** Run ID: **ICP-MS4_220603B** Analysis Date: **6/3/2022 2:23:00 PM** Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.965	0.750	0	0.858				11.8	20	
Calcium	56.8	7.50	0	56.6				0.322	20	

Sample ID: **2205330-04A PDS** Batch ID: **105637** TestNo: **SW6020B** Units: **mg/L**
SampType: **PDS** Run ID: **ICP-MS4_220603B** Analysis Date: **6/3/2022 2:43:00 PM** Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	1.85	0.150	1.00	0.858	98.7	75	125			
Calcium	81.8	1.50	25.0	56.6	101	75	125			

Sample ID: **2205330-04A MS** Batch ID: **105637** TestNo: **SW6020B** Units: **mg/L**
SampType: **MS** Run ID: **ICP-MS4_220603B** Analysis Date: **6/3/2022 2:45:00 PM** Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	1.02	0.150	0.200	0.858	82.9	75	125			

Sample ID: **2205330-04A MSD** Batch ID: **105637** TestNo: **SW6020B** Units: **mg/L**
SampType: **MSD** Run ID: **ICP-MS4_220603B** Analysis Date: **6/3/2022 2:47:00 PM** Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	1.04	0.150	0.200	0.858	92.0	75	125	1.75	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_220603B

Sample ID: **ICV-220603**	Batch ID: **R121430**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS4_220603B**	Analysis Date: **6/3/2022 10:39:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.101	0.0300	0.100	0	101	90	110			
Calcium	2.67	0.300	2.50	0	107	90	110			

Sample ID: **LCVL-220603**	Batch ID: **R121430**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_220603B**	Analysis Date: **6/3/2022 10:50:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0196	0.0300	0.0200	0	98.2	80	120			
Calcium	0.0907	0.300	0.100	0	90.7	80	120			

Sample ID: **CCV4-220603**	Batch ID: **R121430**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_220603B**	Analysis Date: **6/3/2022 1:50:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.185	0.0300	0.200	0	92.7	90	110			
Calcium	5.12	0.300	5.00	0	102	90	110			

Sample ID: **CCV5-220603**	Batch ID: **R121430**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_220603B**	Analysis Date: **6/3/2022 2:49:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.210	0.0300	0.200	0	105	90	110			
Calcium	5.23	0.300	5.00	0	105	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220519B

Sample ID: **DCS1-105256**	Batch ID: **105256**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS**	Run ID: **ICP-MS5_220519B**	Analysis Date: **5/19/2022 11:00:00 AM**	Prep Date: **5/10/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.00106	0.00250	0.00100	0	106	70	130	0	0	
Beryllium	0.000564	0.00100	0.000500	0	113	70	130	0	0	
Cadmium	0.000522	0.00100	0.000500	0	104	70	130	0	0	
Lead	0.000544	0.00100	0.000500	0	109	70	130	0	0	
Thallium	0.000552	0.00150	0.000500	0	110	70	130	0	0	

Sample ID: **DCS2-105256**	Batch ID: **105256**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS2**	Run ID: **ICP-MS5_220519B**	Analysis Date: **5/19/2022 11:03:00 AM**	Prep Date: **5/10/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.348	0.300	0.300	0	116	70	130	0	0	

Sample ID: **DCS3-105256**	Batch ID: **105256**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS3**	Run ID: **ICP-MS5_220519B**	Analysis Date: **5/19/2022 11:11:00 AM**	Prep Date: **5/10/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.00535	0.00500	0.00500	0	107	70	130	0	0	
Barium	0.00526	0.0100	0.00500	0	105	70	130	0	0	
Chromium	0.00561	0.00500	0.00500	0	112	70	130	0	0	
Cobalt	0.00556	0.00500	0.00500	0	111	70	130	0	0	
Lithium	0.00572	0.0100	0.00500	0	114	70	130	0	0	
Molybdenum	0.00525	0.00500	0.00500	0	105	70	130	0	0	
Selenium	0.00532	0.00500	0.00500	0	106	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220602A

The QC data in batch 105637 applies to the following samples: 2205330-01A, 2205330-02A, 2205330-03A, 2205330-04A, 2205330-05A, 2205330-06A, 2205330-07A, 2205330-08A, 2205330-09A, 2205330-10A

Sample ID: **MB-105637** Batch ID: **105637** TestNo: **SW6020B** Units: **mg/L**
SampType: **MBLK** Run ID: **ICP-MS5_220602A** Analysis Date: **6/2/2022 2:40:00 PM** Prep Date: **6/2/2022**

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-105637** Batch ID: **105637** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCS** Run ID: **ICP-MS5_220602A** Analysis Date: **6/2/2022 2:43:00 PM** Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.199	0.00250	0.200	0	99.3	80	120			
Arsenic	0.199	0.00500	0.200	0	99.6	80	120			
Barium	0.200	0.0100	0.200	0	100	80	120			
Beryllium	0.193	0.00100	0.200	0	96.5	80	120			
Cadmium	0.201	0.00100	0.200	0	100	80	120			
Calcium	5.13	0.300	5.00	0	103	80	120			
Chromium	0.197	0.00500	0.200	0	98.4	80	120			
Cobalt	0.203	0.00500	0.200	0	102	80	120			
Lead	0.195	0.00100	0.200	0	97.5	80	120			
Lithium	0.194	0.0100	0.200	0	97.1	80	120			
Molybdenum	0.193	0.00500	0.200	0	96.4	80	120			
Selenium	0.207	0.00500	0.200	0	103	80	120			
Thallium	0.206	0.00150	0.200	0	103	80	120			

Sample ID: **LCSD-105637** Batch ID: **105637** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCSD** Run ID: **ICP-MS5_220602A** Analysis Date: **6/2/2022 2:45:00 PM** Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.201	0.00250	0.200	0	100	80	120	1.12	15	
Arsenic	0.204	0.00500	0.200	0	102	80	120	2.17	15	
Barium	0.201	0.0100	0.200	0	100	80	120	0.261	15	

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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220602A

Sample ID: **LCSD-105637**	Batch ID: **105637**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCSD**	Run ID: **ICP-MS5_220602A**	Analysis Date: **6/2/2022 2:45:00 PM**	Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Beryllium	0.194	0.00100	0.200	0	96.9	80	120	0.416	15	
Cadmium	0.202	0.00100	0.200	0	101	80	120	0.790	15	
Calcium	5.09	0.300	5.00	0	102	80	120	0.937	15	
Chromium	0.198	0.00500	0.200	0	98.8	80	120	0.424	15	
Cobalt	0.208	0.00500	0.200	0	104	80	120	2.35	15	
Lead	0.198	0.00100	0.200	0	98.8	80	120	1.29	15	
Lithium	0.196	0.0100	0.200	0	98.2	80	120	1.17	15	
Molybdenum	0.193	0.00500	0.200	0	96.4	80	120	0.023	15	
Selenium	0.208	0.00500	0.200	0	104	80	120	0.428	15	
Thallium	0.210	0.00150	0.200	0	105	80	120	1.63	15	

Sample ID: **2205330-04A SD**	Batch ID: **105637**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **SD**	Run ID: **ICP-MS5_220602A**	Analysis Date: **6/2/2022 2:53:00 PM**	Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	<0.00400	0.0125	0	0				0	20	
Arsenic	0.0230	0.0250	0	0.0229				0.614	20	
Barium	0.109	0.0500	0	0.108				1.31	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	0.00781				0	20	
Molybdenum	0.0361	0.0250	0	0.0357				1.11	20	
Selenium	<0.0100	0.0250	0	0				0	20	
Thallium	<0.00250	0.00750	0	0				0	20	

Sample ID: **2205330-04A PDS**	Batch ID: **105637**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **PDS**	Run ID: **ICP-MS5_220602A**	Analysis Date: **6/2/2022 3:19:00 PM**	Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.202	0.00250	0.200	0	101	75	125			
Arsenic	0.214	0.00500	0.200	0.0229	95.4	75	125			
Barium	0.306	0.0100	0.200	0.107	99.1	75	125			
Beryllium	0.189	0.00100	0.200	0	94.5	75	125			
Cadmium	0.203	0.00100	0.200	0	101	75	125			
Chromium	0.204	0.00500	0.200	0	102	75	125			
Cobalt	0.203	0.00500	0.200	0	102	75	125			
Lead	0.200	0.00100	0.200	0	100	75	125			
Lithium	0.203	0.0100	0.200	0.00781	97.7	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220602A

Sample ID: **2205330-04A PDS**	Batch ID: **105637**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **PDS**	Run ID: **ICP-MS5_220602A**	Analysis Date: **6/2/2022 3:19:00 PM**	Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Molybdenum	0.226	0.00500	0.200	0.0357	95.2	75	125			
Selenium	0.196	0.00500	0.200	0	98.1	75	125			
Thallium	0.213	0.00150	0.200	0	106	75	125			

Sample ID: **2205330-04A MS**	Batch ID: **105637**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MS**	Run ID: **ICP-MS5_220602A**	Analysis Date: **6/2/2022 3:22:00 PM**	Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.201	0.00250	0.200	0	101	75	125			
Arsenic	0.219	0.00500	0.200	0.0229	98.1	75	125			
Barium	0.309	0.0100	0.200	0.107	101	75	125			
Beryllium	0.190	0.00100	0.200	0	94.9	75	125			
Cadmium	0.199	0.00100	0.200	0	99.3	75	125			
Calcium	57.3	0.300	5.00	52.6	93.0	75	125			
Chromium	0.199	0.00500	0.200	0	99.4	75	125			
Cobalt	0.200	0.00500	0.200	0	100	75	125			
Lead	0.195	0.00100	0.200	0	97.7	75	125			
Lithium	0.200	0.0100	0.200	0.00781	96.3	75	125			
Molybdenum	0.229	0.00500	0.200	0.0357	96.5	75	125			
Selenium	0.197	0.00500	0.200	0	98.4	75	125			
Thallium	0.209	0.00150	0.200	0	104	75	125			

Sample ID: **2205330-04A MSD**	Batch ID: **105637**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MSD**	Run ID: **ICP-MS5_220602A**	Analysis Date: **6/2/2022 3:25:00 PM**	Prep Date: **6/2/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.204	0.00250	0.200	0	102	75	125	1.37	15	
Arsenic	0.224	0.00500	0.200	0.0229	101	75	125	2.41	15	
Barium	0.311	0.0100	0.200	0.107	102	75	125	0.890	15	
Beryllium	0.192	0.00100	0.200	0	96.2	75	125	1.40	15	
Cadmium	0.202	0.00100	0.200	0	101	75	125	1.61	15	
Calcium	57.5	0.300	5.00	52.6	98.0	75	125	0.429	15	
Chromium	0.202	0.00500	0.200	0	101	75	125	1.80	15	
Cobalt	0.204	0.00500	0.200	0	102	75	125	1.74	15	
Lead	0.197	0.00100	0.200	0	98.6	75	125	0.929	15	
Lithium	0.202	0.0100	0.200	0.00781	97.1	75	125	0.824	15	
Molybdenum	0.231	0.00500	0.200	0.0357	97.8	75	125	1.10	15	
Selenium	0.201	0.00500	0.200	0	100	75	125	2.04	15	
Thallium	0.212	0.00150	0.200	0	106	75	125	1.48	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220602A

Sample ID: **ICV-220602** Batch ID: **R121405** TestNo: **SW6020B** Units: **mg/L**
SampType: **ICV** Run ID: **ICP-MS5_220602A** Analysis Date: **6/2/2022 10:45:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.103	0.00250	0.100	0	103	90	110			
Arsenic	0.101	0.00500	0.100	0	101	90	110			
Barium	0.103	0.0100	0.100	0	103	90	110			
Beryllium	0.0988	0.00100	0.100	0	98.8	90	110			
Cadmium	0.101	0.00100	0.100	0	101	90	110			
Calcium	2.59	0.300	2.50	0	104	90	110			
Chromium	0.102	0.00500	0.100	0	102	90	110			
Cobalt	0.103	0.00500	0.100	0	103	90	110			
Lead	0.101	0.00100	0.100	0	101	90	110			
Lithium	0.100	0.0100	0.100	0	100	90	110			
Molybdenum	0.0947	0.00500	0.100	0	94.7	90	110			
Selenium	0.102	0.00500	0.100	0	102	90	110			
Thallium	0.0981	0.00150	0.100	0	98.1	90	110			

Sample ID: **LCVL-220602** Batch ID: **R121405** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCVL** Run ID: **ICP-MS5_220602A** Analysis Date: **6/2/2022 10:51:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.00228	0.00250	0.00200	0	114	80	120			
Arsenic	0.00514	0.00500	0.00500	0	103	80	120			
Barium	0.00509	0.0100	0.00500	0	102	80	120			
Beryllium	0.00116	0.00100	0.00100	0	116	80	120			
Cadmium	0.000989	0.00100	0.00100	0	98.9	80	120			
Calcium	0.110	0.300	0.100	0	110	80	120			
Chromium	0.00506	0.00500	0.00500	0	101	80	120			
Cobalt	0.00506	0.00500	0.00500	0	101	80	120			
Lead	0.00104	0.00100	0.00100	0	104	80	120			
Lithium	0.0101	0.0100	0.0100	0	101	80	120			
Molybdenum	0.00477	0.00500	0.00500	0	95.5	80	120			
Selenium	0.00520	0.00500	0.00500	0	104	80	120			
Thallium	0.00106	0.00150	0.00100	0	106	80	120			

Sample ID: **CCV5-220602** Batch ID: **R121405** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS5_220602A** Analysis Date: **6/2/2022 2:16:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.201	0.00250	0.200	0	101	90	110			
Arsenic	0.204	0.00500	0.200	0	102	90	110			
Barium	0.204	0.0100	0.200	0	102	90	110			
Beryllium	0.196	0.00100	0.200	0	98.0	90	110			
Cadmium	0.203	0.00100	0.200	0	101	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220602A

Sample ID: **CCV5-220602**	Batch ID: **R121405**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS5_220602A**	Analysis Date: **6/2/2022 2:16:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	5.17	0.300	5.00	0	103	90	110			
Chromium	0.201	0.00500	0.200	0	101	90	110			
Cobalt	0.207	0.00500	0.200	0	103	90	110			
Lead	0.199	0.00100	0.200	0	99.7	90	110			
Lithium	0.198	0.0100	0.200	0	99.2	90	110			
Molybdenum	0.195	0.00500	0.200	0	97.6	90	110			
Selenium	0.206	0.00500	0.200	0	103	90	110			
Thallium	0.211	0.00150	0.200	0	106	90	110			

Sample ID: **CCV6-220602**	Batch ID: **R121405**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS5_220602A**	Analysis Date: **6/2/2022 3:27:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.203	0.00250	0.200	0	101	90	110			
Arsenic	0.203	0.00500	0.200	0	101	90	110			
Barium	0.206	0.0100	0.200	0	103	90	110			
Beryllium	0.195	0.00100	0.200	0	97.3	90	110			
Cadmium	0.206	0.00100	0.200	0	103	90	110			
Calcium	5.18	0.300	5.00	0	104	90	110			
Chromium	0.204	0.00500	0.200	0	102	90	110			
Cobalt	0.208	0.00500	0.200	0	104	90	110			
Lead	0.199	0.00100	0.200	0	99.5	90	110			
Lithium	0.200	0.0100	0.200	0	100	90	110			
Molybdenum	0.196	0.00500	0.200	0	97.9	90	110			
Selenium	0.207	0.00500	0.200	0	104	90	110			
Thallium	0.211	0.00150	0.200	0	105	90	110			

Sample ID: **CCV7-220602**	Batch ID: **R121405**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS5_220602A**	Analysis Date: **6/2/2022 3:58:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	5.20	0.300	5.00	0	104	90	110			

Sample ID: **CCV8-220602**	Batch ID: **R121405**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS5_220602A**	Analysis Date: **6/2/2022 4:15:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	5.11	0.300	5.00	0	102	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_220526A

Sample ID: **DCS3-105533** Batch ID: **105533** TestNo: **E300** Units: **mg/L**
SampType: **DCS3** Run ID: **IC2_220526A** Analysis Date: **5/26/2022 7:02:08 PM** Prep Date: **5/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	0.988	1.00	1.000	0	98.8	70	130	0	0	
Fluoride	0.383	0.400	0.4000	0	95.8	70	130	0	0	
Sulfate	3.02	3.00	3.000	0	101	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_220601A

The QC data in batch 105620 applies to the following samples: 2205330-01B, 2205330-02B, 2205330-03B, 2205330-04B, 2205330-05B, 2205330-06B, 2205330-07B, 2205330-08B, 2205330-09B, 2205330-10B

Sample ID: **MB-105620** Batch ID: **105620** TestNo: **E300** Units: **mg/L**
SampType: **MBLK** Run ID: **IC2_220601A** Analysis Date: **6/1/2022 11:03:02 AM** Prep Date: **6/1/2022**

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-105620** Batch ID: **105620** TestNo: **E300** Units: **mg/L**
SampType: **LCS** Run ID: **IC2_220601A** Analysis Date: **6/1/2022 11:20:02 AM** Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.15	1.00	10.00	0	91.5	90	110			
Fluoride	3.67	0.400	4.000	0	91.9	90	110			
Sulfate	28.6	3.00	30.00	0	95.4	90	110			

Sample ID: **LCSD-105620** Batch ID: **105620** TestNo: **E300** Units: **mg/L**
SampType: **LCSD** Run ID: **IC2_220601A** Analysis Date: **6/1/2022 11:37:02 AM** Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.15	1.00	10.00	0	91.5	90	110	0.035	20	
Fluoride	3.70	0.400	4.000	0	92.5	90	110	0.710	20	
Sulfate	28.6	3.00	30.00	0	95.5	90	110	0.150	20	

Sample ID: **2205325-01BMS** Batch ID: **105620** TestNo: **E300** Units: **mg/L**
SampType: **MS** Run ID: **IC2_220601A** Analysis Date: **6/1/2022 3:19:57 PM** Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	1980	100	2000	116.2	93.4	90	110			
Fluoride	1980	40.0	2000	0	99.0	90	110			
Sulfate	2370	300	2000	534.8	91.9	90	110			

Sample ID: **2205325-01BMSD** Batch ID: **105620** TestNo: **E300** Units: **mg/L**
SampType: **MSD** Run ID: **IC2_220601A** Analysis Date: **6/1/2022 3:36:57 PM** Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	1970	100	2000	116.2	92.9	90	110	0.527	20	
Fluoride	1970	40.0	2000	0	98.7	90	110	0.288	20	
Sulfate	2360	300	2000	534.8	91.1	90	110	0.604	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_220601A

Sample ID: **2205330-07BMS**	Batch ID: **105620**	TestNo: **E300**	Units: **mg/L**
SampType: **MS**	Run ID: **IC2_220601A**	Analysis Date: **6/1/2022 8:42:57 PM**	Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	229	10.0	200.0	50.67	89.0	90	110			S
Fluoride	196	4.00	200.0	0	98.0	90	110			
Sulfate	227	30.0	200.0	48.96	88.9	90	110			S

Sample ID: **2205330-07BMSD**	Batch ID: **105620**	TestNo: **E300**	Units: **mg/L**
SampType: **MSD**	Run ID: **IC2_220601A**	Analysis Date: **6/1/2022 8:59:57 PM**	Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	230	10.0	200.0	50.67	89.8	90	110	0.744	20	
Fluoride	197	4.00	200.0	0	98.7	90	110	0.803	20	
Sulfate	228	30.0	200.0	48.96	89.5	90	110	0.483	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_220601A

Sample ID: **ICV-220601**	Batch ID: **R121385**	TestNo: **E300**	Units: **mg/L**
SampType: **ICV**	Run ID: **IC2_220601A**	Analysis Date: **6/1/2022 10:29:02 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	23.9	1.00	25.00	0	95.6	90	110			
Fluoride	9.70	0.400	10.00	0	97.0	90	110			
Sulfate	73.5	3.00	75.00	0	98.0	90	110			

Sample ID: **CCV1-220601**	Batch ID: **R121385**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_220601A**	Analysis Date: **6/1/2022 6:26:57 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.25	1.00	10.00	0	92.5	90	110			
Fluoride	3.90	0.400	4.000	0	97.6	90	110			
Sulfate	29.0	3.00	30.00	0	96.6	90	110			

Sample ID: **CCV2-220601**	Batch ID: **R121385**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_220601A**	Analysis Date: **6/1/2022 10:24:57 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.06	1.00	10.00	0	90.6	90	110			
Fluoride	3.82	0.400	4.000	0	95.5	90	110			
Sulfate	28.5	3.00	30.00	0	95.0	90	110			

Sample ID: **CCV3-220601**	Batch ID: **R121385**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_220601A**	Analysis Date: **6/2/2022 2:22:57 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.15	1.00	10.00	0	91.5	90	110			
Fluoride	3.90	0.400	4.000	0	97.4	90	110			
Sulfate	28.7	3.00	30.00	0	95.7	90	110			

Sample ID: **CCV4-220601**	Batch ID: **R121385**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_220601A**	Analysis Date: **6/2/2022 5:46:57 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.12	1.00	10.00	0	91.2	90	110			
Fluoride	3.88	0.400	4.000	0	96.9	90	110			
Sulfate	28.4	3.00	30.00	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: WC_220531C

The QC data in batch 105602 applies to the following samples: 2205330-01B, 2205330-02B, 2205330-03B, 2205330-04B, 2205330-05B

Sample ID: **MB-105602**	Batch ID: **105602**	TestNo: **M2540C**	Units: **mg/L**
SampType: **MBLK**	Run ID: **WC_220531C**	Analysis Date: **5/31/2022 5:50:00 PM**	Prep Date: **5/31/2022**

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-105602**	Batch ID: **105602**	TestNo: **M2540C**	Units: **mg/L**
SampType: **LCS**	Run ID: **WC_220531C**	Analysis Date: **5/31/2022 5:50:00 PM**	Prep Date: **5/31/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	762	10.0	745.6	0	102	90	113			

Sample ID: **2205310-03B-DUP**	Batch ID: **105602**	TestNo: **M2540C**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_220531C**	Analysis Date: **5/31/2022 5:50:00 PM**	Prep Date: **5/31/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	3940	50.0	0	3935				0	5	

Sample ID: **2205310-08B-DUP**	Batch ID: **105602**	TestNo: **M2540C**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_220531C**	Analysis Date: **5/31/2022 5:50:00 PM**	Prep Date: **5/31/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	3190	50.0	0	3175				0.314	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

ANALYTICAL QC SUMMARY REPORT

RunID: WC_220601D

The QC data in batch 105624 applies to the following samples: 2205330-06B, 2205330-07B, 2205330-08B, 2205330-09B, 2205330-10B

Sample ID: **MB-105624** Batch ID: **105624** TestNo: **M2540C** Units: **mg/L**
SampType: **MBLK** Run ID: **WC_220601D** Analysis Date: **6/1/2022 4:25:00 PM** Prep Date: **6/1/2022**

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-105624** Batch ID: **105624** TestNo: **M2540C** Units: **mg/L**
SampType: **LCS** Run ID: **WC_220601D** Analysis Date: **6/1/2022 4:25:00 PM** Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	759	10.0	745.6	0	102	90	113			

Sample ID: **2205314-01D-DUP** Batch ID: **105624** TestNo: **M2540C** Units: **mg/L**
SampType: **DUP** Run ID: **WC_220601D** Analysis Date: **6/1/2022 4:25:00 PM** Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	3230	50.0	0	3270				1.23	5	

Sample ID: **2205316-02D-DUP** Batch ID: **105624** TestNo: **M2540C** Units: **mg/L**
SampType: **DUP** Run ID: **WC_220601D** Analysis Date: **6/1/2022 4:25:00 PM** Prep Date: **6/1/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	3720	50.0	0	3710				0.269	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: WSP-Golder
Work Order: 2205330
Project: Coleto Creek CCR Wells

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

July 18, 2022

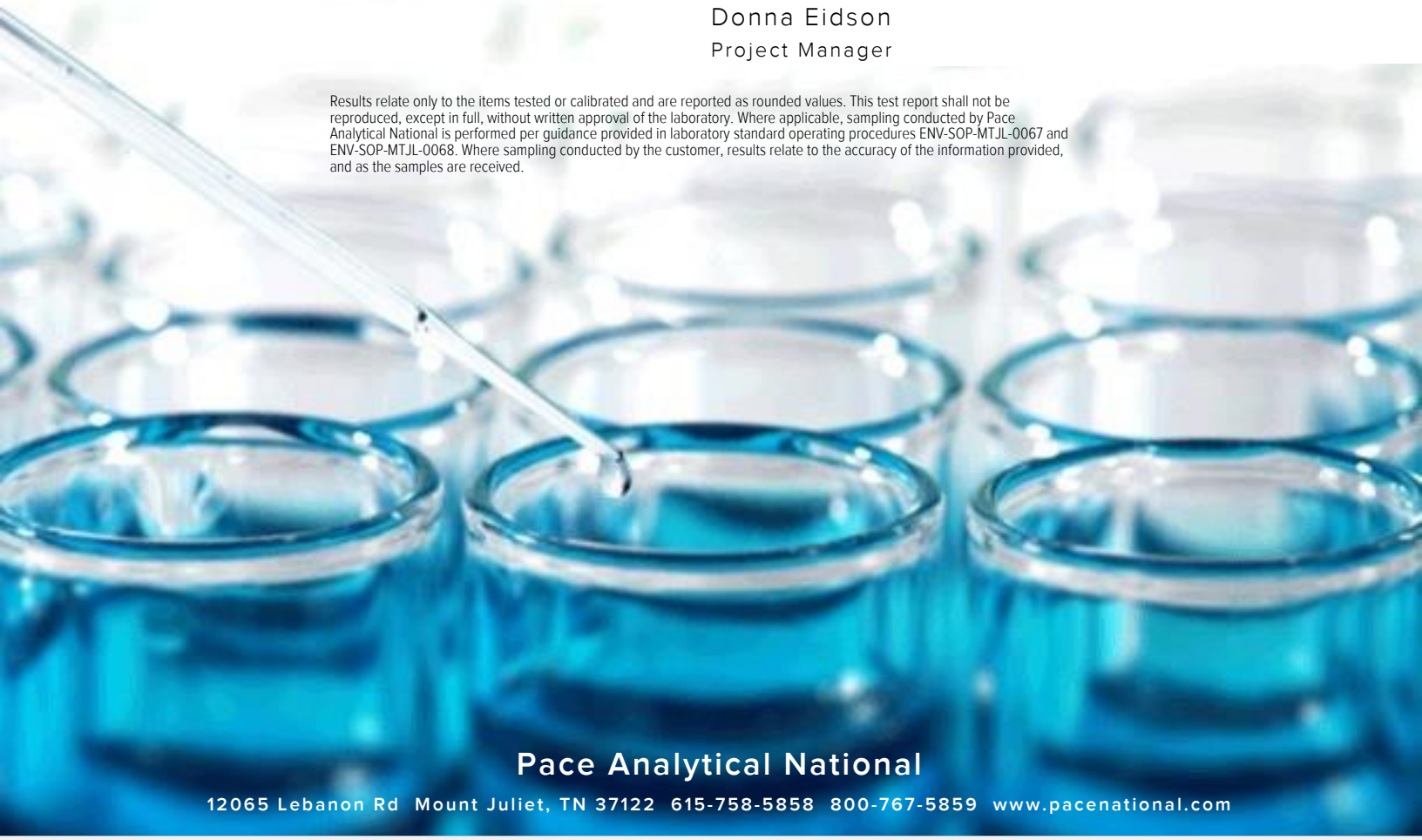
DHL Analytical, Inc.

Sample Delivery Group:	L1501744
Samples Received:	06/06/2022
Project Number:	2205330
Description:	

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

Entire Report Reviewed By:

Donna Eidson
Project Manager



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BV-21 L1501744-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/25/22 12:23	06/06/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1887997	1	07/01/22 12:57	07/13/22 12:54	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1886277	1	06/30/22 13:59	07/13/22 12:54	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1886277	1	06/30/22 13:59	07/01/22 14:49	RGT	Mt. Juliet, TN

MW-11 L1501744-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/25/22 15:43	06/06/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1887997	1	07/01/22 12:57	07/13/22 12:54	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1886277	1	06/30/22 13:59	07/13/22 12:54	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1886277	1	06/30/22 13:59	07/01/22 14:49	RGT	Mt. Juliet, TN

MW-9 L1501744-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/25/22 17:25	06/06/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1887997	1	07/01/22 12:57	07/13/22 12:54	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1886277	1	06/30/22 13:59	07/13/22 12:54	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1886277	1	06/30/22 13:59	07/01/22 14:50	RGT	Mt. Juliet, TN

MW-101 L1501744-04 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/25/22 17:30	06/06/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1887997	1	07/01/22 12:57	07/13/22 12:54	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1886277	1	06/30/22 13:59	07/13/22 12:54	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1886277	1	06/30/22 13:59	07/01/22 14:49	RGT	Mt. Juliet, TN

MW-10 L1501744-05 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/25/22 18:47	06/06/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1887997	1	07/01/22 12:57	07/13/22 12:54	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1886277	1	06/30/22 13:59	07/13/22 12:54	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1886277	1	06/30/22 13:59	07/01/22 14:49	RGT	Mt. Juliet, TN

MW-4 L1501744-06 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/26/22 09:52	06/06/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1887997	1	07/01/22 12:57	07/13/22 12:54	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1886277	1	06/30/22 13:59	07/13/22 12:54	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1886277	1	06/30/22 13:59	07/01/22 14:49	RGT	Mt. Juliet, TN

MW-8 L1501744-07 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/26/22 11:46	06/06/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1887997	1	07/01/22 12:57	07/13/22 12:54	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1886277	1	06/30/22 13:59	07/13/22 12:54	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1886277	1	06/30/22 13:59	07/01/22 14:49	RGT	Mt. Juliet, TN

MW-6 L1501744-08 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/26/22 14:36	06/06/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1887997	1	07/01/22 12:57	07/13/22 12:54	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1886277	1	06/30/22 13:59	07/13/22 12:54	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1886277	1	06/30/22 13:59	07/01/22 14:49	RGT	Mt. Juliet, TN

MW-5 L1501744-09 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/26/22 16:37	06/06/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1887997	1	07/01/22 12:57	07/13/22 12:54	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1886277	1	06/30/22 13:59	07/13/22 12:54	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1886277	1	06/30/22 13:59	07/01/22 14:49	RGT	Mt. Juliet, TN

BV-5 L1501744-10 Non-Potable Water

Collected by	Collected date/time	Received date/time
	05/26/22 18:19	06/06/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1887997	1	07/01/22 12:57	07/13/22 12:54	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1886277	1	06/30/22 13:59	07/13/22 12:54	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1886277	1	06/30/22 13:59	07/01/22 14:49	RGT	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	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.47		0.201	0.315	07/13/2022 12:54	WG1887997
(T) Barium	*112*			*62.0-143*	*07/13/2022 12:54*	WG1887997
(T) Yttrium	*100*			*79.0-136*	*07/13/2022 12:54*	WG1887997

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.04		0.358	0.403	07/13/2022 12:54	WG1886277

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.580		0.296	0.252	07/01/2022 14:49	WG1886277
(T) Barium-133	*105*			*30.0-143*	*07/01/2022 14:49*	WG1886277

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.876		0.198	0.333	07/13/2022 12:54	WG1887997
(T) Barium	*119*			*62.0-143*	*07/13/2022 12:54*	WG1887997
(T) Yttrium	*103*			*79.0-136*	*07/13/2022 12:54*	WG1887997

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.07		0.256	0.379	07/13/2022 12:54	WG1886277

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.193		0.162	0.182	07/01/2022 14:49	WG1886277
(T) Barium-133	*103*			*30.0-143*	*07/01/2022 14:49*	WG1886277

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.00		0.218	0.365	07/13/2022 12:54	WG1887997
(T) Barium	*102*			*62.0-143*	*07/13/2022 12:54*	WG1887997
(T) Yttrium	*93.4*			*79.0-136*	*07/13/2022 12:54*	WG1887997

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.07		0.249	0.417	07/13/2022 12:54	WG1886277

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0612	U	0.120	0.202	07/01/2022 14:50	WG1886277
(T) Barium-133	*107*			*30.0-143*	*07/01/2022 14:50*	WG1886277

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.05		0.200	0.329	07/13/2022 12:54	WG1887997
(T) Barium	*112*			*62.0-143*	*07/13/2022 12:54*	WG1887997
(T) Yttrium	*95.5*			*79.0-136*	*07/13/2022 12:54*	WG1887997

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.10		0.239	0.402	07/13/2022 12:54	WG1886277

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0510	U	0.131	0.231	07/01/2022 14:49	WG1886277
(T) Barium-133	*104*			*30.0-143*	*07/01/2022 14:49*	WG1886277

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.234	J	0.216	0.391	07/13/2022 12:54	WG1887997
(T) Barium	*113*			*62.0-143*	*07/13/2022 12:54*	WG1887997
(T) Yttrium	*94.6*			*79.0-136*	*07/13/2022 12:54*	WG1887997

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.393	J	0.291	0.477	07/13/2022 12:54	WG1886277

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.159	J	0.195	0.273	07/01/2022 14:49	WG1886277
(T) Barium-133	*101*			*30.0-143*	*07/01/2022 14:49*	WG1886277

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.661		0.186	0.318	07/13/2022 12:54	WG1887997
(T) Barium	*112*			*62.0-143*	*07/13/2022 12:54*	WG1887997
(T) Yttrium	*101*			*79.0-136*	*07/13/2022 12:54*	WG1887997

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.747		0.229	0.381	07/13/2022 12:54	WG1886277

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0865	J	0.134	0.209	07/01/2022 14:49	WG1886277
(T) Barium-133	*107*			*30.0-143*	*07/01/2022 14:49*	WG1886277

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.889		0.192	0.321	07/13/2022 12:54	WG1887997
(T) Barium	*106*			*62.0-143*	*07/13/2022 12:54*	WG1887997
(T) Yttrium	*103*			*79.0-136*	*07/13/2022 12:54*	WG1887997

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.07		0.267	0.398	07/13/2022 12:54	WG1886277

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.179	J	0.185	0.236	07/01/2022 14:49	WG1886277
(T) Barium-133	*105*			*30.0-143*	*07/01/2022 14:49*	WG1886277

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.611		0.193	0.335	07/13/2022 12:54	WG1887997
(T) Barium	*106*			*62.0-143*	*07/13/2022 12:54*	WG1887997
(T) Yttrium	*99.5*			*79.0-136*	*07/13/2022 12:54*	WG1887997

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.774		0.257	0.398	07/13/2022 12:54	WG1886277

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.163	J	0.169	0.215	07/01/2022 14:49	WG1886277
(T) Barium-133	*107*			*30.0-143*	*07/01/2022 14:49*	WG1886277

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.848		0.185	0.308	07/13/2022 12:54	WG1887997
(T) Barium	*103*			*62.0-143*	*07/13/2022 12:54*	WG1887997
(T) Yttrium	*103*			*79.0-136*	*07/13/2022 12:54*	WG1887997

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.954		0.241	0.386	07/13/2022 12:54	WG1886277

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.106	J	0.154	0.232	07/01/2022 14:49	WG1886277
(T) Barium-133	*100*			*30.0-143*	*07/01/2022 14:49*	WG1886277

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.789		0.248	0.428	07/13/2022 12:54	WG1887997
(T) Barium	*99.7*			*62.0-143*	*07/13/2022 12:54*	WG1887997
(T) Yttrium	*99.4*			*79.0-136*	*07/13/2022 12:54*	WG1887997

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.935		0.295	0.477	07/13/2022 12:54	WG1886277

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.146	J	0.160	0.211	07/01/2022 14:49	WG1886277
(T) Barium-133	*101*			*30.0-143*	*07/01/2022 14:49*	WG1886277

QUALITY CONTROL SUMMARY

L1501744-01,02,03,04,05,06,07,08,09,10

Method Blank (MB)

(MB) R3815329-1 07/13/22 12:54

Analyte	MB Result	MB Qualifier	MB Uncertainty	MB MDA
	pCi/l		+ / -	pCi/l
Radium-228	0.188	J	0.130	0.233
(T) Barium	*104*		*104*	
(T) Yttrium	*95.4*		*95.4*	

L1501744-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1501744-09 07/13/22 12:54 • (DUP) R3815329-5 07/13/22 12:54

Analyte	Original Result	Original Uncertainty	Original MDA	DUP Result	DUP Uncertainty	DUP MDA	Dilution	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	+ / -	pCi/l		%			%	
Radium-228	0.848	0.185	0.308	0.941	0.272	0.308	1	10.4	0.282		20	3
(T) Barium	*103*			*117*	*117*							
(T) Yttrium	*103*			*97.3*	*97.3*							

Laboratory Control Sample (LCS)

(LCS) R3815329-2 07/13/22 12:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-228	5.00	4.51	90.1	80.0-120	
(T) Barium			*103*		
(T) Yttrium			*100*		

L1502916-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1502916-01 07/13/22 12:54 • (MS) R3815329-3 07/13/22 12:54 • (MSD) R3815329-4 07/13/22 12:54

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-228	10.0	-0.179	8.99	10.4	89.9	104	1	70.0-130			14.3		20
(T) Barium		*114*			*111*	*104*							
(T) Yttrium		*107*			*94.1*	*100*							

Method Blank (MB)

(MB) R3811913-1 07/01/22 14:49

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / -	MB MDA pCi/l
Radium-226	0.00337	U	0.0391	0.0742
(T) Barium-133	*94.8*		*94.8*	

L1501744-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1501744-10 07/01/22 14:49 • (DUP) R3811913-5 07/01/22 14:49

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.146	0.160	0.211	0.0170	0.102	0.211	1	158	0.679	U	20	3
(T) Barium-133	*101*			*97.4*	*97.4*							

Laboratory Control Sample (LCS)

(LCS) R3811913-2 07/01/22 14:49

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.02	5.00	99.5	80.0-120	
(T) Barium-133			*97.3*		

L1501734-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1501734-13 07/01/22 14:49 • (MS) R3811913-3 07/01/22 14:49 • (MSD) R3811913-4 07/01/22 14:49

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	0.351	20.1	19.0	98.7	93.3	1	75.0-125			5.57		20
(T) Barium-133		*102*			*103*	*105*							

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Work Order: 2205330

D004

L1501744

Subcontractor:

Pace Analytical
12065 Lebanon Rd
Mt. Juliet, TN 37122

TEL: (615) 773-5923
FAX:
Acct #: DHLRRTX

02-Jun-22

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests					
					Ra-228 E904.0	Ra-226 M7500 Ra B M				
BV-21	Aqueous	01C	05/25/22 12:23 PM	1LHDPEHNO3		1				-01
BV-21	Aqueous	01D	05/25/22 12:23 PM	1LHDPEHNO3	1					-01
MW-11	Aqueous	02C	05/25/22 03:43 PM	1LHDPEHNO3		1				-02
MW-11	Aqueous	02D	05/25/22 03:43 PM	1LHDPEHNO3	1					-02
MW-9	Aqueous	03C	05/25/22 05:25 PM	1LHDPEHNO3		1				-03
MW-9	Aqueous	03D	05/25/22 05:25 PM	1LHDPEHNO3	1					-03
MW-101	Aqueous	04C	05/25/22 05:30 PM	1LHDPEHNO3		1				-04
MW-101	Aqueous	04D	05/25/22 05:30 PM	1LHDPEHNO3	1					-04
MW-10	Aqueous	05C	05/25/22 06:47 PM	1LHDPEHNO3		1				-05
MW-10	Aqueous	05D	05/25/22 06:47 PM	1LHDPEHNO3	1					-05
MW-4	Aqueous	06C	05/26/22 09:52 AM	1LHDPEHNO3		1				-06
MW-4	Aqueous	06D	05/26/22 09:52 AM	1LHDPEHNO3	1					-06
MW-8	Aqueous	07C	05/26/22 11:46 AM	1LHDPEHNO3		1				-07
MW-8	Aqueous	07D	05/26/22 11:46 AM	1LHDPEHNO3	1					-07
MW-6	Aqueous	08C	05/26/22 02:36 PM	1LHDPEHNO3		1				-08
MW-6	Aqueous	08D	05/26/22 02:36 PM	1LHDPEHNO3	1					-08
MW-5	Aqueous	09C	05/26/22 04:37 PM	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:	6/2/22 1800	Received by:	6/6/22 1000
Relinquished by:			

NP 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		

AMB

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

CHAIN-OF-CUSTODY RECORD

Work Order: 2205330

Subcontractor:

Pace Analytical
12065 Lebanon Rd
Mt. Juliet, TN 37122

TEL: (615) 773-5923
FAX:
Acct #: DHLRRTX

L1507744

02-Jun-22

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests					
					Ra-228 E904.0	Ra-226 M7500 Ra B M				
MW-5	Aqueous	09D	05/26/22 04:37 PM	1LHDPEHNO3	1					-09
BV-5	Aqueous	10C	05/26/22 06:19 PM	1LHDPEHNO3		1				-10
BV-5	Aqueous	10D	05/26/22 06:19 PM	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:		6/2/22 1800	Received by:		6/6/22 10[illegible]
Relinquished by:			Received by:		

November 02, 2022

Will Vienne
WSP-Golder
1601 S. Mopac Expy, Suite 325B
Austin, Texas 78746
TEL: (512) 671-3434
FAX

Order No.: 2209179

RE: Coleto Creek CCR 2H22 GW

Dear Will Vienne:

DHL Analytical, Inc. received 10 sample(s) on 9/22/2022 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: T104704211-22-28

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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

PAGE 1 OF 1

CLIENT: WSP Golder
ADDRESS: Round Rock TX
PHONE: EMAIL:
DATA REPORTED TO: Will Vienne, Greg Logan Jr.
ADDITIONAL REPORT COPIES TO:

PO#:

PROJECT LOCATION OR NAME: Colets Creek CCR 2MM GW
CLIENT PROJECT # 31464097.009

LABORATORY USE ONLY
DHL WORKORDER #: 2209179

COLLECTOR: Mike Montmaro

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.	DHL Lab #	Collection Date	Collection Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4	NaOH ☐ Zn Acetate ☐	ICE ☒ UNPRESERVED ☐	ANALYSES	FIELD NOTES
MW-4	01	9.19.22	1720	GW	P	4		3			1		
MW-5	02	9.20.22	0910	GW	P	4		3			1		
MW-6	03	9.19.22	1230	GW	P	4		3			1		
MW-8	04	9.20.22	1535	GW	P	4		3			1		
MW-9	05	9.19.22	1525	GW	P	4		3			1		
MW-10	06	9.20.22	1005	GW	P	4		3			1		
MW-11	07	9.19.22	1430	GW	P	4		3			1		
BV-5	08	9.21.22	1000	GW	P	4		3			1		
BV-21	09	9.20.22	1640	GW	P	4		3			1		
DUP-101	10	9.21.22	1010	GW	P	4		3			1		

All Samples for Appendix IV

Relinquished By: (Sign)	DATE/TIME	Received by:
	9-21-2022 / 1800	Fedex
Fedex	9-22-22 / 0853	

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

LABORATORY USE ONLY
RECEIVING TEMP (°C): 2.6°C, 1.5°C THERM #: 78
CUSTODY SEALS: ☐ BROKEN ☑ INTACT ☐ NOT USED
CARRIER: ☐ LSO ☑ FEDEX ☐ UPS ☐ COURIER ☐ OTHER ☐ HAND DELIVERED

☐ **DHL DISPOSAL @ 5.00 each** ☐ **Return**

DHL COC REV 3 | MAR 2021

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

ORIGIN ID:VCTA (361) 573-6442
GREG LOGAN JR.
GOLDER ASSOCIATES INC.
1501 E. MOCKINGBIRD LN
SUITE 420
VICTORIA, TX 77904
UNITED STATES US

SHIP DATE: 21SEP22
ACTWGT: 30.00 LB
CAD: 2806631/INET4530
DIMS: 24x13x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
DHL ANALYTICAL
2300 DOUBLE CREEK DR

ROUND ROCK TX 78664
(512) 388-8222 REF: 31404097.009
INV:
PO: DEPT:

591J1/E080/FE2D

FedEx Express

1 of 2

TRK# 0201 **7779 9725 6977**

MASTER

44 BSMA

THU - 22 SEP 10:30A
PRIORITY OVERNIGHT

78664
TX-US **AUS**

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number. Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

CUSTODY SEAL

DATE 9.21.2022

SIGNATURE

DHL ANALYTICAL

ORIGIN ID:VCTA (361) 573-6442
GREG LOGAN JR.
GOLDER ASSOCIATES INC.
1501 E. MOCKINGBIRD LN
SUITE 420
VICTORIA, TX 77904
UNITED STATES US

SHIP DATE: 21SEP22
ACTWGT: 30.00 LB
CAD: 2806631/INET4530
DIMS: 24x13x14 IN

BILL SENDER

TO SAMPLE RECEIVING
DHL ANALYTICAL
2300 DOUBLE CREEK DR

ROUND ROCK TX 78664
(512) 388-8222 REF: 31404097.009
INV:
PO: DEPT:

581J1/EC8C/FE2D

FedEx Express

2 of 2
MPS# 0263 7779 9725 6646
Mstr# 7779 9725 6977

THU - 22 SEP 10:30A
PRIORITY OVERNIGHT

0201

44 BSMA

78664
TX-US AUS

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

CUSTODY SE L
DATE 9-21-22
SIGNATURE

DHL ANALYTICAL

CUSTODY SEAL
DATE 9-21-2022
SIGNATURE

DHL ANALYTICAL

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name WSP-Golder

Date Received: 9/22/2022

Work Order Number 2209179

Received by: KAO

Checklist completed by: _____ 9/22/2022
Signature | Date

Reviewed by DL 9/22/2022
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 ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	2.6 °C / 1.5 °C
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 EL
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by

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 2H22 GW	**LRC Date:** 11/2/22
Reviewer Name: Carlos Castro	**Laboratory Work Order:** 2209179
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 2H22 GW	**LRC Date:** 11/2/22
Reviewer Name: Carlos Castro	**Laboratory Work Order:** 2209179
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 February 23-26 2021. 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

11/02/22
Date

Name: Dr. Derhsing Luu
Official Title: Technical Director

DHL Analytical, Inc. **Date:** *02-Nov-22*

CLIENT: WSP-Golder
Project: Coleto Creek CCR 2H22 GW
Lab Order: 2209179

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 SM 7500 Ra B M. Analyzed at Pace Analytical.

Exception Report R1-01

The samples were received and log-in performed on 9/22/22. A total of 10 samples were received. The samples arrived in good condition and were properly packaged.

Exception Report R7-03

For Metals analysis performed on 9/27/22 the matrix spike and matrix spike duplicate recoveries were below control limits for Calcium. These are 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.

DHL Analytical, Inc.

Date: *02-Nov-22*

CLIENT: WSP-Golder
Project: Coleto Creek CCR 2H22 GW
Lab Order: 2209179

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2209179-01	MW-4		09/19/22 05:20 PM	9/22/2022
2209179-02	MW-5		09/20/22 09:10 AM	9/22/2022
2209179-03	MW-6		09/19/22 12:30 PM	9/22/2022
2209179-04	MW-8		09/20/22 03:35 PM	9/22/2022
2209179-05	MW-9		09/19/22 03:25 PM	9/22/2022
2209179-06	MW-10		09/20/22 10:05 AM	9/22/2022
2209179-07	MW-11		09/19/22 02:30 PM	9/22/2022
2209179-08	BV-5		09/21/22 10:00 AM	9/22/2022
2209179-09	BV-21		09/20/22 04:40 PM	9/22/2022
2209179-10	DUP-101		09/21/22 10:10 AM	9/22/2022

Lab Order: 2209179
Client: WSP-Golder
Project: Coleto Creek CCR 2H22 GW

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2209179-01A	MW-4	09/19/22 05:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-4	09/19/22 05:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-4	09/19/22 05:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-4	09/19/22 05:20 PM	Aqueous	SW7470A	Mercury Aq Prep	09/26/22 08:39 AM	107126
2209179-01B	MW-4	09/19/22 05:20 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-4	09/19/22 05:20 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-4	09/19/22 05:20 PM	Aqueous	M2540C	TDS Preparation	09/23/22 11:28 AM	107119
2209179-02A	MW-5	09/20/22 09:10 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-5	09/20/22 09:10 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-5	09/20/22 09:10 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-5	09/20/22 09:10 AM	Aqueous	SW7470A	Mercury Aq Prep	09/26/22 08:39 AM	107126
2209179-02B	MW-5	09/20/22 09:10 AM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-5	09/20/22 09:10 AM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-5	09/20/22 09:10 AM	Aqueous	M2540C	TDS Preparation	09/23/22 11:28 AM	107119
2209179-03A	MW-6	09/19/22 12:30 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-6	09/19/22 12:30 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-6	09/19/22 12:30 PM	Aqueous	SW7470A	Mercury Aq Prep	09/26/22 08:39 AM	107126
2209179-03B	MW-6	09/19/22 12:30 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-6	09/19/22 12:30 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-6	09/19/22 12:30 PM	Aqueous	M2540C	TDS Preparation	09/23/22 11:28 AM	107119
2209179-04A	MW-8	09/20/22 03:35 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-8	09/20/22 03:35 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-8	09/20/22 03:35 PM	Aqueous	SW7470A	Mercury Aq Prep	09/26/22 08:39 AM	107126
2209179-04B	MW-8	09/20/22 03:35 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-8	09/20/22 03:35 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-8	09/20/22 03:35 PM	Aqueous	M2540C	TDS Preparation	09/23/22 11:28 AM	107119
2209179-05A	MW-9	09/19/22 03:25 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-9	09/19/22 03:25 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124

Lab Order: 2209179
Client: WSP-Golder
Project: Coleto Creek CCR 2H22 GW

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2209179-05A	MW-9	09/19/22 03:25 PM	Aqueous	SW7470A	Mercury Aq Prep	09/26/22 08:39 AM	107126
2209179-05B	MW-9	09/19/22 03:25 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-9	09/19/22 03:25 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-9	09/19/22 03:25 PM	Aqueous	M2540C	TDS Preparation	09/23/22 11:28 AM	107119
2209179-06A	MW-10	09/20/22 10:05 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-10	09/20/22 10:05 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-10	09/20/22 10:05 AM	Aqueous	SW7470A	Mercury Aq Prep	09/26/22 08:39 AM	107126
2209179-06B	MW-10	09/20/22 10:05 AM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-10	09/20/22 10:05 AM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-10	09/20/22 10:05 AM	Aqueous	M2540C	TDS Preparation	09/23/22 11:28 AM	107119
2209179-07A	MW-11	09/19/22 02:30 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-11	09/19/22 02:30 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	MW-11	09/19/22 02:30 PM	Aqueous	SW7470A	Mercury Aq Prep	09/26/22 08:39 AM	107126
2209179-07B	MW-11	09/19/22 02:30 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-11	09/19/22 02:30 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	MW-11	09/19/22 02:30 PM	Aqueous	M2540C	TDS Preparation	09/23/22 11:28 AM	107119
2209179-08A	BV-5	09/21/22 10:00 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	BV-5	09/21/22 10:00 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	BV-5	09/21/22 10:00 AM	Aqueous	SW7470A	Mercury Aq Prep	09/26/22 08:39 AM	107126
2209179-08B	BV-5	09/21/22 10:00 AM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	BV-5	09/21/22 10:00 AM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	BV-5	09/21/22 10:00 AM	Aqueous	M2540C	TDS Preparation	09/26/22 10:53 AM	107137
2209179-09A	BV-21	09/20/22 04:40 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	BV-21	09/20/22 04:40 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	BV-21	09/20/22 04:40 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	BV-21	09/20/22 04:40 PM	Aqueous	SW7470A	Mercury Aq Prep	09/26/22 08:39 AM	107126
2209179-09B	BV-21	09/20/22 04:40 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	BV-21	09/20/22 04:40 PM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133

Lab Order: 2209179
Client: WSP-Golder
Project: Coleto Creek CCR 2H22 GW

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2209179-09B	BV-21	09/20/22 04:40 PM	Aqueous	M2540C	TDS Preparation	09/23/22 11:28 AM	107119
2209179-10A	DUP-101	09/21/22 10:10 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	DUP-101	09/21/22 10:10 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/22 08:03 AM	107124
	DUP-101	09/21/22 10:10 AM	Aqueous	SW7470A	Mercury Aq Prep	09/26/22 08:39 AM	107126
2209179-10B	DUP-101	09/21/22 10:10 AM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	DUP-101	09/21/22 10:10 AM	Aqueous	E300	Anion Preparation	09/26/22 09:38 AM	107133
	DUP-101	09/21/22 10:10 AM	Aqueous	M2540C	TDS Preparation	09/26/22 10:53 AM	107137

Lab Order: 2209179
Client: WSP-Golder
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2209179-01A	MW-4	Aqueous	SW7470A	Mercury Total: Aqueous	107126	1	09/29/22 12:04 PM	CETAC2_HG_220929B
	MW-4	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 12:18 PM	ICP-MS4_220927A
	MW-4	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 11:12 AM	ICP-MS5_220927B
	MW-4	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	10	09/27/22 02:51 PM	ICP-MS5_220927B
2209179-01B	MW-4	Aqueous	E300	Anions by IC method - Water	107133	10	09/26/22 02:07 PM	IC2_220926A
	MW-4	Aqueous	E300	Anions by IC method - Water	107133	1	09/26/22 08:38 PM	IC2_220926A
	MW-4	Aqueous	M2540C	Total Dissolved Solids	107119	1	09/26/22 04:30 PM	WC_220923A
2209179-02A	MW-5	Aqueous	SW7470A	Mercury Total: Aqueous	107126	1	09/29/22 12:06 PM	CETAC2_HG_220929B
	MW-5	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 12:20 PM	ICP-MS4_220927A
	MW-5	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 11:15 AM	ICP-MS5_220927B
	MW-5	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	10	09/27/22 02:54 PM	ICP-MS5_220927B
2209179-02B	MW-5	Aqueous	E300	Anions by IC method - Water	107133	10	09/26/22 02:24 PM	IC2_220926A
	MW-5	Aqueous	E300	Anions by IC method - Water	107133	1	09/26/22 08:55 PM	IC2_220926A
	MW-5	Aqueous	M2540C	Total Dissolved Solids	107119	1	09/26/22 04:30 PM	WC_220923A
2209179-03A	MW-6	Aqueous	SW7470A	Mercury Total: Aqueous	107126	1	09/29/22 12:09 PM	CETAC2_HG_220929B
	MW-6	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 11:17 AM	ICP-MS5_220927B
	MW-6	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	10	09/27/22 12:22 PM	ICP-MS4_220927A
2209179-03B	MW-6	Aqueous	E300	Anions by IC method - Water	107133	10	09/26/22 02:41 PM	IC2_220926A
	MW-6	Aqueous	E300	Anions by IC method - Water	107133	1	09/26/22 09:12 PM	IC2_220926A
	MW-6	Aqueous	M2540C	Total Dissolved Solids	107119	1	09/26/22 04:30 PM	WC_220923A
2209179-04A	MW-8	Aqueous	SW7470A	Mercury Total: Aqueous	107126	1	09/29/22 12:11 PM	CETAC2_HG_220929B
	MW-8	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 11:20 AM	ICP-MS5_220927B
	MW-8	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	5	09/27/22 12:24 PM	ICP-MS4_220927A
2209179-04B	MW-8	Aqueous	E300	Anions by IC method - Water	107133	10	09/26/22 02:58 PM	IC2_220926A
	MW-8	Aqueous	E300	Anions by IC method - Water	107133	1	09/26/22 09:29 PM	IC2_220926A
	MW-8	Aqueous	M2540C	Total Dissolved Solids	107119	1	09/26/22 04:30 PM	WC_220923A

Lab Order: 2209179
Client: WSP-Golder
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2209179-05A	MW-9	Aqueous	SW7470A	Mercury Total: Aqueous	107126	1	09/29/22 12:13 PM	CETAC2_HG_220929B
	MW-9	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	5	09/27/22 12:14 PM	ICP-MS4_220927A
	MW-9	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 11:07 AM	ICP-MS5_220927B
2209179-05B	MW-9	Aqueous	E300	Anions by IC method - Water	107133	1	09/26/22 09:46 PM	IC2_220926A
	MW-9	Aqueous	E300	Anions by IC method - Water	107133	10	09/26/22 03:15 PM	IC2_220926A
	MW-9	Aqueous	M2540C	Total Dissolved Solids	107119	1	09/26/22 04:30 PM	WC_220923A
2209179-06A	MW-10	Aqueous	SW7470A	Mercury Total: Aqueous	107126	1	09/29/22 12:15 PM	CETAC2_HG_220929B
	MW-10	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	20	09/27/22 12:26 PM	ICP-MS4_220927A
	MW-10	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 11:22 AM	ICP-MS5_220927B
2209179-06B	MW-10	Aqueous	E300	Anions by IC method - Water	107133	10	09/26/22 03:32 PM	IC2_220926A
	MW-10	Aqueous	E300	Anions by IC method - Water	107133	1	09/26/22 11:11 PM	IC2_220926A
	MW-10	Aqueous	M2540C	Total Dissolved Solids	107119	1	09/26/22 04:30 PM	WC_220923A
2209179-07A	MW-11	Aqueous	SW7470A	Mercury Total: Aqueous	107126	1	09/29/22 12:18 PM	CETAC2_HG_220929B
	MW-11	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	5	09/27/22 12:28 PM	ICP-MS4_220927A
	MW-11	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 11:25 AM	ICP-MS5_220927B
2209179-07B	MW-11	Aqueous	E300	Anions by IC method - Water	107133	10	09/26/22 04:23 PM	IC2_220926A
	MW-11	Aqueous	E300	Anions by IC method - Water	107133	1	09/26/22 11:28 PM	IC2_220926A
	MW-11	Aqueous	M2540C	Total Dissolved Solids	107119	1	09/26/22 04:30 PM	WC_220923A
2209179-08A	BV-5	Aqueous	SW7470A	Mercury Total: Aqueous	107126	1	09/29/22 12:20 PM	CETAC2_HG_220929B
	BV-5	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 11:27 AM	ICP-MS5_220927B
	BV-5	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	5	09/27/22 12:30 PM	ICP-MS4_220927A
2209179-08B	BV-5	Aqueous	E300	Anions by IC method - Water	107133	1	09/26/22 11:45 PM	IC2_220926A
	BV-5	Aqueous	E300	Anions by IC method - Water	107133	10	09/26/22 04:40 PM	IC2_220926A
	BV-5	Aqueous	M2540C	Total Dissolved Solids	107137	1	09/26/22 04:00 PM	WC_220926A
2209179-09A	BV-21	Aqueous	SW7470A	Mercury Total: Aqueous	107126	1	09/29/22 12:22 PM	CETAC2_HG_220929B
	BV-21	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 12:32 PM	ICP-MS4_220927A

Lab Order: 2209179
Client: WSP-Golder
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2209179-09A	BV-21	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 11:30 AM	ICP-MS5_220927B
	BV-21	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	10	09/27/22 02:56 PM	ICP-MS5_220927B
2209179-09B	BV-21	Aqueous	E300	Anions by IC method - Water	107133	10	09/26/22 04:57 PM	IC2_220926A
	BV-21	Aqueous	E300	Anions by IC method - Water	107133	1	09/27/22 12:02 AM	IC2_220926A
	BV-21	Aqueous	M2540C	Total Dissolved Solids	107119	1	09/26/22 04:30 PM	WC_220923A
2209179-10A	DUP-101	Aqueous	SW7470A	Mercury Total: Aqueous	107126	1	09/29/22 12:33 PM	CETAC2_HG_220929B
	DUP-101	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	5	09/27/22 12:34 PM	ICP-MS4_220927A
	DUP-101	Aqueous	SW6020B	Trace Metals: ICP-MS - Water	107124	1	09/27/22 11:32 AM	ICP-MS5_220927B
2209179-10B	DUP-101	Aqueous	E300	Anions by IC method - Water	107133	10	09/26/22 05:14 PM	IC2_220926A
	DUP-101	Aqueous	E300	Anions by IC method - Water	107133	1	09/27/22 12:19 AM	IC2_220926A
	DUP-101	Aqueous	M2540C	Total Dissolved Solids	107137	1	09/26/22 04:00 PM	WC_220926A

DHL Analytical, Inc.

Date: *02-Nov-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-4
Project:	Coleto Creek CCR 2H22 GW	**Lab ID:**	2209179-01
Project No:	31404097.009	**Collection Date:**	09/19/22 05:20 PM
Lab Order:	2209179	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	09/27/22 11:12 AM
Arsenic	0.00824	0.00200	0.00500		mg/L	1	09/27/22 11:12 AM
Barium	0.0580	0.00300	0.0100		mg/L	1	09/27/22 11:12 AM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:12 AM
Boron	0.317	0.0100	0.0300		mg/L	1	09/27/22 12:18 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:12 AM
Calcium	101	1.00	3.00		mg/L	10	09/27/22 02:51 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:12 AM
Cobalt	0.0107	0.00300	0.00500		mg/L	1	09/27/22 11:12 AM
Lead	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:12 AM
Lithium	0.0182	0.00500	0.0100		mg/L	1	09/27/22 11:12 AM
Molybdenum	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:12 AM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:12 AM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	09/27/22 11:12 AM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	09/29/22 12:04 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	107	3.00	10.0		mg/L	10	09/26/22 02:07 PM
Fluoride	0.502	0.100	0.400		mg/L	1	09/26/22 08:38 PM
Sulfate	161	10.0	30.0		mg/L	10	09/26/22 02:07 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	728	10.0	10.0		mg/L	1	09/26/22 04:30 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-Nov-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-5
Project:	Coleto Creek CCR 2H22 GW	**Lab ID:**	2209179-02
Project No:	31404097.009	**Collection Date:**	09/20/22 09:10 AM
Lab Order:	2209179	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	09/27/22 11:15 AM
Arsenic	0.00956	0.00200	0.00500		mg/L	1	09/27/22 11:15 AM
Barium	0.0675	0.00300	0.0100		mg/L	1	09/27/22 11:15 AM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:15 AM
Boron	0.157	0.0100	0.0300		mg/L	1	09/27/22 12:20 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:15 AM
Calcium	117	1.00	3.00		mg/L	10	09/27/22 02:54 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:15 AM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	09/27/22 11:15 AM
Lead	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:15 AM
Lithium	0.0183	0.00500	0.0100		mg/L	1	09/27/22 11:15 AM
Molybdenum	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:15 AM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:15 AM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	09/27/22 11:15 AM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	09/29/22 12:06 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	128	3.00	10.0		mg/L	10	09/26/22 02:24 PM
Fluoride	0.433	0.100	0.400		mg/L	1	09/26/22 08:55 PM
Sulfate	184	10.0	30.0		mg/L	10	09/26/22 02:24 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	842	10.0	10.0		mg/L	1	09/26/22 04:30 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-Nov-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-6
Project:	Coleto Creek CCR 2H22 GW	**Lab ID:**	2209179-03
Project No:	31404097.009	**Collection Date:**	09/19/22 12:30 PM
Lab Order:	2209179	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	09/27/22 11:17 AM
Arsenic	0.00882	0.00200	0.00500		mg/L	1	09/27/22 11:17 AM
Barium	0.0658	0.00300	0.0100		mg/L	1	09/27/22 11:17 AM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:17 AM
Boron	2.11	0.100	0.300		mg/L	10	09/27/22 12:22 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:17 AM
Calcium	71.2	1.00	3.00		mg/L	10	09/27/22 12:22 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:17 AM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	09/27/22 11:17 AM
Lead	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:17 AM
Lithium	0.0117	0.00500	0.0100		mg/L	1	09/27/22 11:17 AM
Molybdenum	0.0375	0.00200	0.00500		mg/L	1	09/27/22 11:17 AM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:17 AM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	09/27/22 11:17 AM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	09/29/22 12:09 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	64.4	3.00	10.0		mg/L	10	09/26/22 02:41 PM
Fluoride	0.353	0.100	0.400	J	mg/L	1	09/26/22 09:12 PM
Sulfate	111	1.00	3.00		mg/L	1	09/26/22 09:12 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	469	10.0	10.0		mg/L	1	09/26/22 04:30 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-Nov-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-8
Project:	Coleto Creek CCR 2H22 GW	**Lab ID:**	2209179-04
Project No:	31404097.009	**Collection Date:**	09/20/22 03:35 PM
Lab Order:	2209179	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	09/27/22 11:20 AM
Arsenic	0.00981	0.00200	0.00500		mg/L	1	09/27/22 11:20 AM
Barium	0.0832	0.00300	0.0100		mg/L	1	09/27/22 11:20 AM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:20 AM
Boron	0.835	0.0500	0.150		mg/L	5	09/27/22 12:24 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:20 AM
Calcium	77.6	0.500	1.50		mg/L	5	09/27/22 12:24 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:20 AM
Cobalt	0.0106	0.00300	0.00500		mg/L	1	09/27/22 11:20 AM
Lead	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:20 AM
Lithium	0.0102	0.00500	0.0100		mg/L	1	09/27/22 11:20 AM
Molybdenum	0.0126	0.00200	0.00500		mg/L	1	09/27/22 11:20 AM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:20 AM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	09/27/22 11:20 AM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	09/29/22 12:11 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	53.8	3.00	10.0		mg/L	10	09/26/22 02:58 PM
Fluoride	0.403	0.100	0.400		mg/L	1	09/26/22 09:29 PM
Sulfate	54.1	1.00	3.00		mg/L	1	09/26/22 09:29 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	476	10.0	10.0		mg/L	1	09/26/22 04:30 PM

Qualifiers:

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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-Nov-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-9
Project:	Coleto Creek CCR 2H22 GW	**Lab ID:**	2209179-05
Project No:	31404097.009	**Collection Date:**	09/19/22 03:25 PM
Lab Order:	2209179	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	09/27/22 11:07 AM
Arsenic	0.0350	0.00200	0.00500		mg/L	1	09/27/22 11:07 AM
Barium	0.126	0.00300	0.0100		mg/L	1	09/27/22 11:07 AM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:07 AM
Boron	0.948	0.0500	0.150		mg/L	5	09/27/22 12:14 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:07 AM
Calcium	62.1	0.500	1.50		mg/L	5	09/27/22 12:14 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:07 AM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	09/27/22 11:07 AM
Lead	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:07 AM
Lithium	0.00914	0.00500	0.0100	J	mg/L	1	09/27/22 11:07 AM
Molybdenum	0.0197	0.00200	0.00500		mg/L	1	09/27/22 11:07 AM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:07 AM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	09/27/22 11:07 AM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	09/29/22 12:13 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	43.6	0.300	1.00		mg/L	1	09/26/22 09:46 PM
Fluoride	0.681	0.100	0.400		mg/L	1	09/26/22 09:46 PM
Sulfate	24.7	1.00	3.00		mg/L	1	09/26/22 09:46 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	378	10.0	10.0		mg/L	1	09/26/22 04:30 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: *02-Nov-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-10
Project:	Coleto Creek CCR 2H22 GW	**Lab ID:**	2209179-06
Project No:	31404097.009	**Collection Date:**	09/20/22 10:05 AM
Lab Order:	2209179	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	09/27/22 11:22 AM
Arsenic	0.0144	0.00200	0.00500		mg/L	1	09/27/22 11:22 AM
Barium	0.0556	0.00300	0.0100		mg/L	1	09/27/22 11:22 AM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:22 AM
Boron	5.54	0.200	0.600		mg/L	20	09/27/22 12:26 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:22 AM
Calcium	53.2	2.00	6.00		mg/L	20	09/27/22 12:26 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:22 AM
Cobalt	0.00396	0.00300	0.00500	J	mg/L	1	09/27/22 11:22 AM
Lead	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:22 AM
Lithium	0.0125	0.00500	0.0100		mg/L	1	09/27/22 11:22 AM
Molybdenum	0.0790	0.00200	0.00500		mg/L	1	09/27/22 11:22 AM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:22 AM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	09/27/22 11:22 AM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	09/29/22 12:15 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	72.2	3.00	10.0		mg/L	10	09/26/22 03:32 PM
Fluoride	0.828	0.100	0.400		mg/L	1	09/26/22 11:11 PM
Sulfate	88.6	1.00	3.00		mg/L	1	09/26/22 11:11 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	560	10.0	10.0		mg/L	1	09/26/22 04:30 PM

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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: *02-Nov-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	MW-11
Project:	Coleto Creek CCR 2H22 GW	**Lab ID:**	2209179-07
Project No:	31404097.009	**Collection Date:**	09/19/22 02:30 PM
Lab Order:	2209179	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	09/27/22 11:25 AM
Arsenic	0.0158	0.00200	0.00500		mg/L	1	09/27/22 11:25 AM
Barium	0.0794	0.00300	0.0100		mg/L	1	09/27/22 11:25 AM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:25 AM
Boron	0.901	0.0500	0.150		mg/L	5	09/27/22 12:28 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:25 AM
Calcium	53.3	0.500	1.50		mg/L	5	09/27/22 12:28 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:25 AM
Cobalt	<0.00300	0.00300	0.00500		mg/L	1	09/27/22 11:25 AM
Lead	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:25 AM
Lithium	0.0130	0.00500	0.0100		mg/L	1	09/27/22 11:25 AM
Molybdenum	0.0231	0.00200	0.00500		mg/L	1	09/27/22 11:25 AM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:25 AM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	09/27/22 11:25 AM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	09/29/22 12:18 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	35.3	0.300	1.00		mg/L	1	09/26/22 11:28 PM
Fluoride	0.697	0.100	0.400		mg/L	1	09/26/22 11:28 PM
Sulfate	53.1	1.00	3.00		mg/L	1	09/26/22 11:28 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	353	10.0	10.0		mg/L	1	09/26/22 04:30 PM

Qualifiers:

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E - TPH pattern not Gas or Diesel Range Pattern

DHL Analytical, Inc.

Date: *02-Nov-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	BV-5
Project:	Coleto Creek CCR 2H22 GW	**Lab ID:**	2209179-08
Project No:	31404097.009	**Collection Date:**	09/21/22 10:00 AM
Lab Order:	2209179	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	09/27/22 11:27 AM
Arsenic	0.0134	0.00200	0.00500		mg/L	1	09/27/22 11:27 AM
Barium	0.0491	0.00300	0.0100		mg/L	1	09/27/22 11:27 AM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:27 AM
Boron	1.16	0.0500	0.150		mg/L	5	09/27/22 12:30 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:27 AM
Calcium	71.4	0.500	1.50		mg/L	5	09/27/22 12:30 PM
Chromium	0.00417	0.00200	0.00500	J	mg/L	1	09/27/22 11:27 AM
Cobalt	0.0405	0.00300	0.00500		mg/L	1	09/27/22 11:27 AM
Lead	0.00155	0.000300	0.00100		mg/L	1	09/27/22 11:27 AM
Lithium	0.0149	0.00500	0.0100		mg/L	1	09/27/22 11:27 AM
Molybdenum	0.0109	0.00200	0.00500		mg/L	1	09/27/22 11:27 AM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:27 AM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	09/27/22 11:27 AM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	09/29/22 12:20 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	117	3.00	10.0		mg/L	10	09/26/22 04:40 PM
Fluoride	0.872	0.100	0.400		mg/L	1	09/26/22 11:45 PM
Sulfate	137	1.00	3.00		mg/L	1	09/26/22 11:45 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	777	10.0	10.0		mg/L	1	09/26/22 04:00 PM

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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-Nov-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	BV-21
Project:	Coleto Creek CCR 2H22 GW	**Lab ID:**	2209179-09
Project No:	31404097.009	**Collection Date:**	09/20/22 04:40 PM
Lab Order:	2209179	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	09/27/22 11:30 AM
Arsenic	0.0701	0.00200	0.00500		mg/L	1	09/27/22 11:30 AM
Barium	0.212	0.00300	0.0100		mg/L	1	09/27/22 11:30 AM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:30 AM
Boron	0.376	0.0100	0.0300		mg/L	1	09/27/22 12:32 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:30 AM
Calcium	91.4	1.00	3.00		mg/L	10	09/27/22 02:56 PM
Chromium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:30 AM
Cobalt	0.00426	0.00300	0.00500	J	mg/L	1	09/27/22 11:30 AM
Lead	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:30 AM
Lithium	0.00539	0.00500	0.0100	J	mg/L	1	09/27/22 11:30 AM
Molybdenum	0.00551	0.00200	0.00500		mg/L	1	09/27/22 11:30 AM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:30 AM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	09/27/22 11:30 AM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	09/29/22 12:22 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	60.7	3.00	10.0		mg/L	10	09/26/22 04:57 PM
Fluoride	0.429	0.100	0.400		mg/L	1	09/27/22 12:02 AM
Sulfate	43.5	1.00	3.00		mg/L	1	09/27/22 12:02 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	451	10.0	10.0		mg/L	1	09/26/22 04:30 PM

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DHL Analytical, Inc.

Date: *02-Nov-22*

CLIENT:	WSP-Golder	**Client Sample ID:**	DUP-101
Project:	Coleto Creek CCR 2H22 GW	**Lab ID:**	2209179-10
Project No:	31404097.009	**Collection Date:**	09/21/22 10:10 AM
Lab Order:	2209179	**Matrix:**	AQUEOUS

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
TRACE METALS: ICP-MS - WATER		**SW6020B**					Analyst: **SP**
Antimony	<0.000800	0.000800	0.00250		mg/L	1	09/27/22 11:32 AM
Arsenic	0.0134	0.00200	0.00500		mg/L	1	09/27/22 11:32 AM
Barium	0.0457	0.00300	0.0100		mg/L	1	09/27/22 11:32 AM
Beryllium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:32 AM
Boron	1.21	0.0500	0.150		mg/L	5	09/27/22 12:34 PM
Cadmium	<0.000300	0.000300	0.00100		mg/L	1	09/27/22 11:32 AM
Calcium	70.3	0.500	1.50		mg/L	5	09/27/22 12:34 PM
Chromium	0.00338	0.00200	0.00500	J	mg/L	1	09/27/22 11:32 AM
Cobalt	0.0397	0.00300	0.00500		mg/L	1	09/27/22 11:32 AM
Lead	0.00131	0.000300	0.00100		mg/L	1	09/27/22 11:32 AM
Lithium	0.0151	0.00500	0.0100		mg/L	1	09/27/22 11:32 AM
Molybdenum	0.0109	0.00200	0.00500		mg/L	1	09/27/22 11:32 AM
Selenium	<0.00200	0.00200	0.00500		mg/L	1	09/27/22 11:32 AM
Thallium	<0.000500	0.000500	0.00150		mg/L	1	09/27/22 11:32 AM
MERCURY TOTAL: AQUEOUS		**SW7470A**					Analyst: **CMC**
Mercury	<0.0000800	0.0000800	0.000200		mg/L	1	09/29/22 12:33 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	118	3.00	10.0		mg/L	10	09/26/22 05:14 PM
Fluoride	0.874	0.100	0.400		mg/L	1	09/27/22 12:19 AM
Sulfate	136	1.00	3.00		mg/L	1	09/27/22 12:19 AM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	777	10.0	10.0		mg/L	1	09/26/22 04:00 PM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)
SDL - Sample Detection Limit
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DHL Analytical, Inc.

Date: *02-Nov-22*

CLIENT: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_220805C

Sample ID: **DCS-106496**	Batch ID: **106496**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **DCS**	Run ID: **CETAC2_HG_220805C**	Analysis Date: **8/5/2022 3:18:57 PM**	Prep Date: **8/5/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.000164	0.000200	0.000200	0	82.0	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	Page 1 of 18
	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_220929B

The QC data in batch 107126 applies to the following samples: 2209179-01A, 2209179-02A, 2209179-03A, 2209179-04A, 2209179-05A, 2209179-06A, 2209179-07A, 2209179-08A, 2209179-09A, 2209179-10A

Sample ID: **MB-107126** Batch ID: **107126** TestNo: **SW7470A** Units: **mg/L**
SampType: **MBLK** Run ID: **CETAC2_HG_220929B** Analysis Date: **9/29/2022 11:57:41 AM** Prep Date: **9/26/2022**

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

Sample ID: **LCS-107126** Batch ID: **107126** TestNo: **SW7470A** Units: **mg/L**
SampType: **LCS** Run ID: **CETAC2_HG_220929B** Analysis Date: **9/29/2022 11:59:57 AM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00194	0.000200	0.00200	0	97.0	85	115			

Sample ID: **LCSD-107126** Batch ID: **107126** TestNo: **SW7470A** Units: **mg/L**
SampType: **LCSD** Run ID: **CETAC2_HG_220929B** Analysis Date: **9/29/2022 12:02:13 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00203	0.000200	0.00200	0	102	85	115	4.53	15	

Sample ID: **2209179-09AMS** Batch ID: **107126** TestNo: **SW7470A** Units: **mg/L**
SampType: **MS** Run ID: **CETAC2_HG_220929B** Analysis Date: **9/29/2022 12:24:51 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00196	0.000200	0.00200	0	98.0	80	120			

Sample ID: **2209179-09AMSD** Batch ID: **107126** TestNo: **SW7470A** Units: **mg/L**
SampType: **MSD** Run ID: **CETAC2_HG_220929B** Analysis Date: **9/29/2022 12:27:07 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00199	0.000200	0.00200	0	99.5	80	120	1.52	15	

Sample ID: **2209179-09ASD** Batch ID: **107126** TestNo: **SW7470A** Units: **mg/L**
SampType: **SD** Run ID: **CETAC2_HG_220929B** Analysis Date: **9/29/2022 12:29:24 PM** Prep Date: **9/26/2022**

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

Sample ID: **2209179-09APDS** Batch ID: **107126** TestNo: **SW7470A** Units: **mg/L**
SampType: **PDS** Run ID: **CETAC2_HG_220929B** Analysis Date: **9/29/2022 12:31:40 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00244	0.000200	0.00250	0	97.6	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_220929B

Sample ID: **ICV-220929**	Batch ID: **R123263**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **ICV**	Run ID: **CETAC2_HG_220929B**	Analysis Date: **9/29/2022 11:53:07 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00385	0.000200	0.00400	0	96.2	90	110			

Sample ID: **CCV1-220929**	Batch ID: **R123263**	TestNo: **SW7470A**	Units: **mg/L**
SampType: **CCV**	Run ID: **CETAC2_HG_220929B**	Analysis Date: **9/29/2022 12:36:14 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00198	0.000200	0.00200	0	99.0	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_220822A

Sample ID: **DCS2-106706**	Batch ID: **106706**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS2**	Run ID: **ICP-MS4_220822A**	Analysis Date: **8/22/2022 10:55:00 AM**	Prep Date: **8/19/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.364	0.300	0.300	0	121	70	130	0	0	

Sample ID: **DCS4-106706**	Batch ID: **106706**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS4**	Run ID: **ICP-MS4_220822A**	Analysis Date: **8/22/2022 11:00:00 AM**	Prep Date: **8/19/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0267	0.0300	0.0300	0	88.9	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_220927A

The QC data in batch 107124 applies to the following samples: 2209179-01A, 2209179-02A, 2209179-03A, 2209179-04A, 2209179-05A, 2209179-06A, 2209179-07A, 2209179-08A, 2209179-09A, 2209179-10A

Sample ID: **MB-107124** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **MBLK** Run ID: **ICP-MS4_220927A** Analysis Date: **9/27/2022 12:06:00 PM** Prep Date: **9/26/2022**

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

Sample ID: **LCS-107124** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCS** Run ID: **ICP-MS4_220927A** Analysis Date: **9/27/2022 12:08:00 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.188	0.0300	0.200	0	94.2	80	120			

Sample ID: **LCSD-107124** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCSD** Run ID: **ICP-MS4_220927A** Analysis Date: **9/27/2022 12:10:00 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.193	0.0300	0.200	0	96.7	80	120	2.65	15	

Sample ID: **2209179-05A SD** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **SD** Run ID: **ICP-MS4_220927A** Analysis Date: **9/27/2022 12:16:00 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	1.13	0.750	0	0.948				17.6	20	
Calcium	63.4	7.50	0	62.1				2.02	20	

Sample ID: **2209179-05A PDS** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **PDS** Run ID: **ICP-MS4_220927A** Analysis Date: **9/27/2022 12:36:00 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	2.00	0.150	1.00	0.948	106	75	125			
Calcium	89.9	1.50	25.0	62.1	111	75	125			

Sample ID: **2209179-05A MS** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **MS** Run ID: **ICP-MS4_220927A** Analysis Date: **9/27/2022 12:38:00 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	1.18	0.150	0.200	0.948	115	75	125			

Sample ID: **2209179-05A MSD** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **MSD** Run ID: **ICP-MS4_220927A** Analysis Date: **9/27/2022 12:40:00 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	1.19	0.150	0.200	0.948	120	75	125	0.902	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_220927A

Sample ID: **ICV-220927**	Batch ID: **R123228**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS4_220927A**	Analysis Date: **9/27/2022 11:29:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0995	0.0300	0.100	0	99.5	90	110			
Calcium	2.63	0.300	2.50	0	105	90	110			

Sample ID: **LCVL-220927**	Batch ID: **R123228**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_220927A**	Analysis Date: **9/27/2022 11:39:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.0214	0.0300	0.0200	0	107	80	120			
Calcium	0.108	0.300	0.100	0	108	80	120			

Sample ID: **CCV1-220927**	Batch ID: **R123228**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_220927A**	Analysis Date: **9/27/2022 12:42:00 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			
Calcium	5.14	0.300	5.00	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220822B

Sample ID: **DCS1-106706**	Batch ID: **106706**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS**	Run ID: **ICP-MS5_220822B**	Analysis Date: **8/22/2022 11:05:00 AM**	Prep Date: **8/19/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.000971	0.00250	0.00100	0	97.1	70	130	0	0	
Beryllium	0.000548	0.00100	0.000500	0	110	70	130	0	0	
Cadmium	0.000521	0.00100	0.000500	0	104	70	130	0	0	
Lead	0.000534	0.00100	0.000500	0	107	70	130	0	0	
Thallium	0.000508	0.00150	0.000500	0	102	70	130	0	0	

Sample ID: **DCS2-106706**	Batch ID: **106706**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS2**	Run ID: **ICP-MS5_220822B**	Analysis Date: **8/22/2022 11:09:00 AM**	Prep Date: **8/19/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.345	0.300	0.300	0	115	70	130	0	0	

Sample ID: **DCS3-106706**	Batch ID: **106706**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **DCS3**	Run ID: **ICP-MS5_220822B**	Analysis Date: **8/22/2022 11:11:00 AM**	Prep Date: **8/19/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.00525	0.00500	0.00500	0	105	70	130	0	0	
Barium	0.00502	0.0100	0.00500	0	100	70	130	0	0	
Chromium	0.00517	0.00500	0.00500	0	103	70	130	0	0	
Cobalt	0.00529	0.00500	0.00500	0	106	70	130	0	0	
Lithium	0.00516	0.0100	0.00500	0	103	70	130	0	0	
Molybdenum	0.00510	0.00500	0.00500	0	102	70	130	0	0	
Selenium	0.00505	0.00500	0.00500	0	101	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220927B

The QC data in batch 107124 applies to the following samples: 2209179-01A, 2209179-02A, 2209179-03A, 2209179-04A, 2209179-05A, 2209179-06A, 2209179-07A, 2209179-08A, 2209179-09A, 2209179-10A

Sample ID: **MB-107124** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **MBLK** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 10:57:00 AM** Prep Date: **9/26/2022**

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-107124** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCS** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 10:59:00 AM** Prep Date: **9/26/2022**

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	0.202	0.00500	0.200	0	101	80	120			
Barium	0.198	0.0100	0.200	0	99.2	80	120			
Beryllium	0.196	0.00100	0.200	0	97.8	80	120			
Cadmium	0.199	0.00100	0.200	0	99.4	80	120			
Calcium	4.98	0.300	5.00	0	99.6	80	120			
Chromium	0.197	0.00500	0.200	0	98.6	80	120			
Cobalt	0.207	0.00500	0.200	0	103	80	120			
Lead	0.196	0.00100	0.200	0	97.9	80	120			
Lithium	0.198	0.0100	0.200	0	99.0	80	120			
Molybdenum	0.195	0.00500	0.200	0	97.3	80	120			
Selenium	0.203	0.00500	0.200	0	102	80	120			
Thallium	0.205	0.00150	0.200	0	103	80	120			

Sample ID: **LCSD-107124** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCSD** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 11:02:00 AM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.198	0.00250	0.200	0	98.9	80	120	1.31	15	
Arsenic	0.202	0.00500	0.200	0	101	80	120	0.320	15	
Barium	0.200	0.0100	0.200	0	99.9	80	120	0.720	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220927B

Sample ID: **LCSD-107124** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCSD** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 11:02:00 AM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Beryllium	0.197	0.00100	0.200	0	98.6	80	120	0.872	15	
Cadmium	0.200	0.00100	0.200	0	100	80	120	0.804	15	
Calcium	5.05	0.300	5.00	0	101	80	120	1.36	15	
Chromium	0.198	0.00500	0.200	0	98.8	80	120	0.175	15	
Cobalt	0.207	0.00500	0.200	0	103	80	120	0.212	15	
Lead	0.196	0.00100	0.200	0	98.2	80	120	0.331	15	
Lithium	0.197	0.0100	0.200	0	98.3	80	120	0.771	15	
Molybdenum	0.195	0.00500	0.200	0	97.6	80	120	0.234	15	
Selenium	0.205	0.00500	0.200	0	102	80	120	0.562	15	
Thallium	0.205	0.00150	0.200	0	102	80	120	0.217	15	

Sample ID: **2209179-05A SD** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **SD** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 11:09:00 AM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	<0.00400	0.0125	0	0				0	20	
Arsenic	0.0365	0.0250	0	0.0350				4.16	20	
Barium	0.124	0.0500	0	0.126				1.36	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	0.00914				0	20	
Molybdenum	0.0196	0.0250	0	0.0197				0.519	20	
Selenium	<0.0100	0.0250	0	0				0	20	
Thallium	<0.00250	0.00750	0	0				0	20	

Sample ID: **2209179-05A PDS** Batch ID: **107124** TestNo: **SW6020B** Units: **mg/L**
SampType: **PDS** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 11:35:00 AM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.202	0.00250	0.200	0	101	75	125			
Arsenic	0.239	0.00500	0.200	0.0350	102	75	125			
Barium	0.333	0.0100	0.200	0.126	103	75	125			
Beryllium	0.201	0.00100	0.200	0	101	75	125			
Cadmium	0.212	0.00100	0.200	0	106	75	125			
Chromium	0.218	0.00500	0.200	0	109	75	125			
Cobalt	0.218	0.00500	0.200	0	109	75	125			
Lead	0.216	0.00100	0.200	0	108	75	125			
Lithium	0.215	0.0100	0.200	0.00914	103	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220927B

Sample ID: **2209179-05A PDS**	Batch ID: **107124**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **PDS**	Run ID: **ICP-MS5_220927B**	Analysis Date: **9/27/2022 11:35:00 AM**	Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Molybdenum	0.225	0.00500	0.200	0.0197	103	75	125			
Selenium	0.209	0.00500	0.200	0	105	75	125			
Thallium	0.222	0.00150	0.200	0	111	75	125			

Sample ID: **2209179-05A MS**	Batch ID: **107124**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MS**	Run ID: **ICP-MS5_220927B**	Analysis Date: **9/27/2022 11:38:00 AM**	Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.198	0.00250	0.200	0	98.9	75	125			
Arsenic	0.233	0.00500	0.200	0.0350	99.0	75	125			
Barium	0.323	0.0100	0.200	0.126	98.4	75	125			
Beryllium	0.190	0.00100	0.200	0	94.9	75	125			
Cadmium	0.197	0.00100	0.200	0	98.7	75	125			
Calcium	59.1	0.300	5.00	55.9	64.9	75	125			S
Chromium	0.197	0.00500	0.200	0	98.4	75	125			
Cobalt	0.201	0.00500	0.200	0	101	75	125			
Lead	0.196	0.00100	0.200	0	97.9	75	125			
Lithium	0.197	0.0100	0.200	0.00914	94.0	75	125			
Molybdenum	0.216	0.00500	0.200	0.0197	98.3	75	125			
Selenium	0.196	0.00500	0.200	0	98.1	75	125			
Thallium	0.205	0.00150	0.200	0	103	75	125			

Sample ID: **2209179-05A MSD**	Batch ID: **107124**	TestNo: **SW6020B**	Units: **mg/L**
SampType: **MSD**	Run ID: **ICP-MS5_220927B**	Analysis Date: **9/27/2022 11:40:00 AM**	Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.197	0.00250	0.200	0	98.4	75	125	0.496	15	
Arsenic	0.235	0.00500	0.200	0.0350	99.9	75	125	0.809	15	
Barium	0.324	0.0100	0.200	0.126	99.1	75	125	0.436	15	
Beryllium	0.188	0.00100	0.200	0	94.2	75	125	0.762	15	
Cadmium	0.198	0.00100	0.200	0	98.8	75	125	0.061	15	
Calcium	59.4	0.300	5.00	55.9	69.8	75	125	0.416	15	S
Chromium	0.198	0.00500	0.200	0	98.8	75	125	0.440	15	
Cobalt	0.203	0.00500	0.200	0	102	75	125	1.01	15	
Lead	0.197	0.00100	0.200	0	98.3	75	125	0.446	15	
Lithium	0.195	0.0100	0.200	0.00914	93.0	75	125	1.00	15	
Molybdenum	0.216	0.00500	0.200	0.0197	98.1	75	125	0.226	15	
Selenium	0.196	0.00500	0.200	0	97.9	75	125	0.225	15	
Thallium	0.207	0.00150	0.200	0	103	75	125	0.885	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220927B

Sample ID: **ICV-220927** Batch ID: **R123226** TestNo: **SW6020B** Units: **mg/L**
SampType: **ICV** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 10:42:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.102	0.00250	0.100	0	102	90	110			
Arsenic	0.0991	0.00500	0.100	0	99.1	90	110			
Barium	0.101	0.0100	0.100	0	101	90	110			
Beryllium	0.0970	0.00100	0.100	0	97.0	90	110			
Cadmium	0.101	0.00100	0.100	0	101	90	110			
Calcium	2.58	0.300	2.50	0	103	90	110			
Chromium	0.102	0.00500	0.100	0	102	90	110			
Cobalt	0.103	0.00500	0.100	0	103	90	110			
Lead	0.0998	0.00100	0.100	0	99.8	90	110			
Lithium	0.0984	0.0100	0.100	0	98.4	90	110			
Molybdenum	0.0963	0.00500	0.100	0	96.3	90	110			
Selenium	0.102	0.00500	0.100	0	102	90	110			
Thallium	0.0969	0.00150	0.100	0	96.9	90	110			

Sample ID: **LCVL-220927** Batch ID: **R123226** TestNo: **SW6020B** Units: **mg/L**
SampType: **LCVL** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 10:49:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.00210	0.00250	0.00200	0	105	80	120			
Arsenic	0.00502	0.00500	0.00500	0	100	80	120			
Barium	0.00481	0.0100	0.00500	0	96.2	80	120			
Beryllium	0.00107	0.00100	0.00100	0	107	80	120			
Cadmium	0.000976	0.00100	0.00100	0	97.6	80	120			
Calcium	0.0962	0.300	0.100	0	96.2	80	120			
Chromium	0.00499	0.00500	0.00500	0	99.9	80	120			
Cobalt	0.00506	0.00500	0.00500	0	101	80	120			
Lead	0.000973	0.00100	0.00100	0	97.3	80	120			
Lithium	0.00991	0.0100	0.0100	0	99.1	80	120			
Molybdenum	0.00492	0.00500	0.00500	0	98.5	80	120			
Selenium	0.00497	0.00500	0.00500	0	99.4	80	120			
Thallium	0.000987	0.00150	0.00100	0	98.7	80	120			

Sample ID: **CCV1-220927** Batch ID: **R123226** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 11:42:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.204	0.00250	0.200	0	102	90	110			
Arsenic	0.208	0.00500	0.200	0	104	90	110			
Barium	0.204	0.0100	0.200	0	102	90	110			
Beryllium	0.197	0.00100	0.200	0	98.5	90	110			
Cadmium	0.206	0.00100	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS5_220927B

Sample ID: **CCV1-220927** Batch ID: **R123226** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 11:42:00 AM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	5.05	0.300	5.00	0	101	90	110			
Chromium	0.204	0.00500	0.200	0	102	90	110			
Cobalt	0.213	0.00500	0.200	0	107	90	110			
Lead	0.202	0.00100	0.200	0	101	90	110			
Lithium	0.197	0.0100	0.200	0	98.4	90	110			
Molybdenum	0.201	0.00500	0.200	0	100	90	110			
Selenium	0.210	0.00500	0.200	0	105	90	110			
Thallium	0.213	0.00150	0.200	0	106	90	110			

Sample ID: **CCV5-220927** Batch ID: **R123226** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 2:39:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	5.03	0.300	5.00	0	101	90	110			

Sample ID: **CCV6-220927** Batch ID: **R123226** TestNo: **SW6020B** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS5_220927B** Analysis Date: **9/27/2022 3:07:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	5.01	0.300	5.00	0	100	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_220922B

Sample ID: **DCS3-107107** Batch ID: **107107** TestNo: **E300** Units: **mg/L**
SampType: **DCS3** Run ID: **IC2_220922B** Analysis Date: **9/22/2022 3:30:53 PM** Prep Date: **9/22/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	0.883	1.00	1.000	0	88.3	70	130	0	0	
Fluoride	0.337	0.400	0.4000	0	84.2	70	130	0	0	
Sulfate	2.90	3.00	3.000	0	96.8	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_220926A

The QC data in batch 107133 applies to the following samples: 2209179-01B, 2209179-02B, 2209179-03B, 2209179-04B, 2209179-05B, 2209179-06B, 2209179-07B, 2209179-08B, 2209179-09B, 2209179-10B

Sample ID: **MB-107133** Batch ID: **107133** TestNo: **E300** Units: **mg/L**
SampType: **MBLK** Run ID: **IC2_220926A** Analysis Date: **9/26/2022 11:11:56 AM** Prep Date: **9/26/2022**

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-107133** Batch ID: **107133** TestNo: **E300** Units: **mg/L**
SampType: **LCS** Run ID: **IC2_220926A** Analysis Date: **9/26/2022 11:28:56 AM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.95	1.00	10.00	0	99.5	90	110			
Fluoride	3.97	0.400	4.000	0	99.2	90	110			
Sulfate	30.4	3.00	30.00	0	101	90	110			

Sample ID: **LCSD-107133** Batch ID: **107133** TestNo: **E300** Units: **mg/L**
SampType: **LCSD** Run ID: **IC2_220926A** Analysis Date: **9/26/2022 11:45:56 AM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.2	1.00	10.00	0	102	90	110	2.11	20	
Fluoride	3.96	0.400	4.000	0	99.0	90	110	0.194	20	
Sulfate	30.2	3.00	30.00	0	101	90	110	0.522	20	

Sample ID: **2209179-06BMS** Batch ID: **107133** TestNo: **E300** Units: **mg/L**
SampType: **MS** Run ID: **IC2_220926A** Analysis Date: **9/26/2022 3:49:02 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	269	10.0	200.0	72.19	98.6	90	110			
Fluoride	203	4.00	200.0	1.236	101	90	110			
Sulfate	281	30.0	200.0	79.54	101	90	110			

Sample ID: **2209179-06BMSD** Batch ID: **107133** TestNo: **E300** Units: **mg/L**
SampType: **MSD** Run ID: **IC2_220926A** Analysis Date: **9/26/2022 4:06:02 PM** Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	261	10.0	200.0	72.19	94.6	90	110	2.99	20	
Fluoride	198	4.00	200.0	1.236	98.2	90	110	2.63	20	
Sulfate	269	30.0	200.0	79.54	94.5	90	110	4.61	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_220926A

Sample ID: **2209186-04BMS**	Batch ID: **107133**	TestNo: **E300**	Units: **mg/L**
SampType: **MS**	Run ID: **IC2_220926A**	Analysis Date: **9/26/2022 7:13:02 PM**	Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	306	10.0	200.0	108.6	98.7	90	110			
Fluoride	202	4.00	200.0	0	101	90	110			
Sulfate	263	30.0	200.0	58.58	102	90	110			

Sample ID: **2209186-04BMSD**	Batch ID: **107133**	TestNo: **E300**	Units: **mg/L**
SampType: **MSD**	Run ID: **IC2_220926A**	Analysis Date: **9/26/2022 7:30:02 PM**	Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	305	10.0	200.0	108.6	98.1	90	110	0.424	20	
Fluoride	202	4.00	200.0	0	101	90	110	0.355	20	
Sulfate	261	30.0	200.0	58.58	101	90	110	0.558	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_220926A

Sample ID: **ICV-220926**	Batch ID: **R123195**	TestNo: **E300**	Units: **mg/L**
SampType: **ICV**	Run ID: **IC2_220926A**	Analysis Date: **9/26/2022 10:37:56 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	25.5	1.00	25.00	0	102	90	110			
Fluoride	10.3	0.400	10.00	0	103	90	110			
Sulfate	78.1	3.00	75.00	0	104	90	110			

Sample ID: **CCV1-220926**	Batch ID: **R123195**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_220926A**	Analysis Date: **9/26/2022 6:05:02 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.89	1.00	10.00	0	98.9	90	110			
Fluoride	3.98	0.400	4.000	0	99.6	90	110			
Sulfate	30.2	3.00	30.00	0	101	90	110			

Sample ID: **CCV2-220926**	Batch ID: **R123195**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_220926A**	Analysis Date: **9/26/2022 10:37:02 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.93	1.00	10.00	0	99.3	90	110			
Fluoride	4.02	0.400	4.000	0	100	90	110			
Sulfate	30.5	3.00	30.00	0	102	90	110			

Sample ID: **CCV3-220926**	Batch ID: **R123195**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_220926A**	Analysis Date: **9/27/2022 2:35:02 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.92	1.00	10.00	0	99.2	90	110			
Fluoride	3.99	0.400	4.000	0	99.7	90	110			
Sulfate	30.6	3.00	30.00	0	102	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: WC_220923A

The QC data in batch 107119 applies to the following samples: 2209179-01B, 2209179-02B, 2209179-03B, 2209179-04B, 2209179-05B, 2209179-06B, 2209179-07B, 2209179-09B

Sample ID: **MB-107119**	Batch ID: **107119**	TestNo: **M2540C**	Units: **mg/L**
SampType: **MBLK**	Run ID: **WC_220923A**	Analysis Date: **9/26/2022 4:30:00 PM**	Prep Date: **9/23/2022**

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-107119**	Batch ID: **107119**	TestNo: **M2540C**	Units: **mg/L**
SampType: **LCS**	Run ID: **WC_220923A**	Analysis Date: **9/26/2022 4:30:00 PM**	Prep Date: **9/23/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	753	10.0	745.6	0	101	90	113			

Sample ID: **2209164-02A-DUP**	Batch ID: **107119**	TestNo: **M2540C**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_220923A**	Analysis Date: **9/26/2022 4:30:00 PM**	Prep Date: **9/23/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	1340	50.0	0	1300				2.66	5	

Sample ID: **2209176-01C-DUP**	Batch ID: **107119**	TestNo: **M2540C**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_220923A**	Analysis Date: **9/26/2022 4:30:00 PM**	Prep Date: **9/23/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	2510	50.0	0	2535				1.19	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

ANALYTICAL QC SUMMARY REPORT

RunID: WC_220926A

The QC data in batch 107137 applies to the following samples: 2209179-08B, 2209179-10B

Sample ID: **MB-107137**	Batch ID: **107137**	TestNo: **M2540C**	Units: **mg/L**
SampType: **MBLK**	Run ID: **WC_220926A**	Analysis Date: **9/26/2022 4:00:00 PM**	Prep Date: **9/26/2022**

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-107137**	Batch ID: **107137**	TestNo: **M2540C**	Units: **mg/L**
SampType: **LCS**	Run ID: **WC_220926A**	Analysis Date: **9/26/2022 4:00:00 PM**	Prep Date: **9/26/2022**

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: **2209172-02D-DUP**	Batch ID: **107137**	TestNo: **M2540C**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_220926A**	Analysis Date: **9/26/2022 4:00:00 PM**	Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	2700	50.0	0	2730				1.10	5	

Sample ID: **2209184-02C-DUP**	Batch ID: **107137**	TestNo: **M2540C**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_220926A**	Analysis Date: **9/26/2022 4:00:00 PM**	Prep Date: **9/26/2022**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	27500	50.0	0	27730				0.978	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: WSP-Golder
Work Order: 2209179
Project: Coleto Creek CCR 2H22 GW

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

November 02, 2022

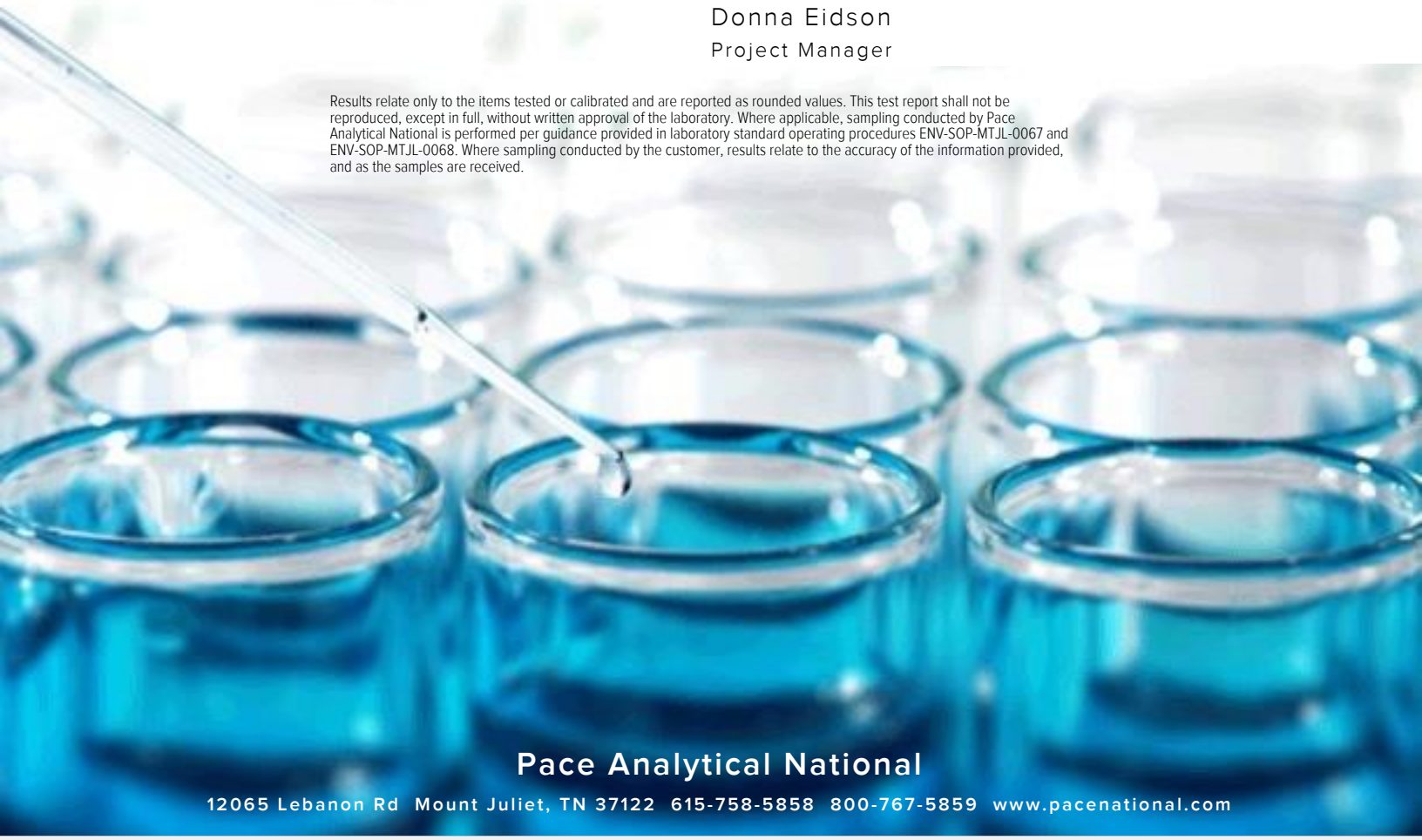
DHL Analytical, Inc.

Sample Delivery Group:	L1539741
Samples Received:	09/26/2022
Project Number:	2209179
Description:	

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

Entire Report Reviewed By:

Donna Eidson
Project Manager



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MW-4 L1539741-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/19/22 17:20	09/26/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1945570	1	10/20/22 14:55	10/26/22 15:30	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1938637	1	10/18/22 13:00	10/26/22 15:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1938637	1	10/18/22 13:00	10/20/22 10:29	RGT	Mt. Juliet, TN

MW-5 L1539741-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/20/22 09:10	09/26/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1945570	1	10/20/22 14:55	10/26/22 15:30	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1938637	1	10/18/22 13:00	10/26/22 15:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1938637	1	10/18/22 13:00	10/20/22 10:29	RGT	Mt. Juliet, TN

MW-6 L1539741-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/19/22 12:30	09/26/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1945570	1	10/20/22 14:55	10/26/22 15:30	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1938637	1	10/18/22 13:00	10/26/22 15:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1938637	1	10/18/22 13:00	10/20/22 10:29	RGT	Mt. Juliet, TN

MW-8 L1539741-04 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/20/22 15:35	09/26/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1945570	1	10/20/22 14:55	10/26/22 15:30	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1938637	1	10/18/22 13:00	10/26/22 15:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1938637	1	10/18/22 13:00	10/20/22 10:29	RGT	Mt. Juliet, TN

MW-9 L1539741-05 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/19/22 15:25	09/26/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1945570	1	10/20/22 14:55	10/26/22 15:30	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1938637	1	10/18/22 13:00	10/26/22 15:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1938637	1	10/18/22 13:00	10/20/22 10:29	RGT	Mt. Juliet, TN

MW-10 L1539741-06 Non-Potable Water

Collected by	Collected date/time	Received date/time
	09/20/22 10:05	09/26/22 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1945570	1	10/20/22 14:55	10/26/22 15:30	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1938637	1	10/18/22 13:00	10/26/22 15:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1938637	1	10/18/22 13:00	10/20/22 10:29	RGT	Mt. Juliet, TN

MW-11 L1539741-07 Non-Potable Water

			Collected by	Collected date/time	Received date/time	
				09/19/22 14:30	09/26/22 10:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1945570	1	10/20/22 14:55	10/26/22 15:30	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1938637	1	10/18/22 13:00	10/26/22 15:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1938637	1	10/18/22 13:00	10/20/22 10:29	RGT	Mt. Juliet, TN

BV-5 L1539741-08 Non-Potable Water

			Collected by	Collected date/time	Received date/time	
				09/21/22 10:00	09/26/22 10:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1945570	1	10/20/22 14:55	10/26/22 15:30	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1938637	1	10/18/22 13:00	10/26/22 15:30	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1938637	1	10/18/22 13:00	10/20/22 10:29	RGT	Mt. Juliet, TN

BV-21 L1539741-09 Non-Potable Water

			Collected by	Collected date/time	Received date/time	
				09/20/22 16:40	09/26/22 10:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1945574	1	10/21/22 11:21	10/27/22 10:17	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1938637	1	10/18/22 13:00	10/27/22 10:17	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1938637	1	10/18/22 13:00	10/20/22 10:29	RGT	Mt. Juliet, TN

DUP-101 L1539741-10 Non-Potable Water

			Collected by	Collected date/time	Received date/time	
				09/21/22 10:10	09/26/22 10:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG1945574	1	10/21/22 11:21	10/27/22 10:17	SWM	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG1938637	1	10/18/22 13:00	10/27/22 10:17	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG1938637	1	10/18/22 13:00	10/20/22 10:29	RGT	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	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.441	J	0.275	0.491	10/26/2022 15:30	WG1945570
(T) Barium	*90.9*			*30.0-143*	*10/26/2022 15:30*	WG1945570
(T) Yttrium	*102*			*30.0-136*	*10/26/2022 15:30*	WG1945570

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.534	J	0.320	0.557	10/26/2022 15:30	WG1938637

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0939	U	0.164	0.262	10/20/2022 10:29	WG1938637
(T) Barium-133	*98.6*			*30.0-143*	*10/20/2022 10:29*	WG1938637

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.544		0.239	0.422	10/26/2022 15:30	WG1945570
(T) Barium	*92.3*			*30.0-143*	*10/26/2022 15:30*	WG1945570
(T) Yttrium	*102*			*30.0-136*	*10/26/2022 15:30*	WG1945570

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.663		0.290	0.486	10/26/2022 15:30	WG1938637

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.119	J	0.164	0.241	10/20/2022 10:29	WG1938637
(T) Barium-133	*96.8*			*30.0-143*	*10/20/2022 10:29*	WG1938637

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.0833	U	0.295	0.541	10/26/2022 15:30	WG1945570
(T) Barium	*93.1*			*30.0-143*	*10/26/2022 15:30*	WG1945570
(T) Yttrium	*111*			*30.0-136*	*10/26/2022 15:30*	WG1945570

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.259	J	0.347	0.589	10/26/2022 15:30	WG1938637

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.176	J	0.183	0.233	10/20/2022 10:29	WG1938637
(T) Barium-133	*102*			*30.0-143*	*10/20/2022 10:29*	WG1938637

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.789		0.324	0.571	10/26/2022 15:30	WG1945570
(T) Barium	*85.7*			*30.0-143*	*10/26/2022 15:30*	WG1945570
(T) Yttrium	*99.4*			*30.0-136*	*10/26/2022 15:30*	WG1945570

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.887		0.370	0.634	10/26/2022 15:30	WG1938637

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0979	U	0.178	0.276	10/20/2022 10:29	WG1938637
(T) Barium-133	*100*			*30.0-143*	*10/20/2022 10:29*	WG1938637

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	-0.330	U	0.279	0.524	10/26/2022 15:30	WG1945570
(T) Barium	*104*			*30.0-143*	*10/26/2022 15:30*	WG1945570
(T) Yttrium	*91.8*			*30.0-136*	*10/26/2022 15:30*	WG1945570

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.150	U	0.312	0.548	10/26/2022 15:30	WG1938637

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.150	J	0.140	0.161	10/20/2022 10:29	WG1938637
(T) Barium-133	*99.7*			*30.0-143*	*10/20/2022 10:29*	WG1938637

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.526		0.226	0.399	10/26/2022 15:30	WG1945570
(T) Barium	*101*			*30.0-143*	*10/26/2022 15:30*	WG1945570
(T) Yttrium	*108*			*30.0-136*	*10/26/2022 15:30*	WG1945570

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.703		0.284	0.452	10/26/2022 15:30	WG1938637

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.178	J	0.172	0.213	10/20/2022 10:29	WG1938637
(T) Barium-133	*102*			*30.0-143*	*10/20/2022 10:29*	WG1938637

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.296	J	0.248	0.447	10/26/2022 15:30	WG1945570
(T) Barium	*101*			*30.0-143*	*10/26/2022 15:30*	WG1945570
(T) Yttrium	*98.3*			*30.0-136*	*10/26/2022 15:30*	WG1945570

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.377	J	0.273	0.476	10/26/2022 15:30	WG1938637

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0814	J	0.113	0.165	10/20/2022 10:29	WG1938637
(T) Barium-133	*102*			*30.0-143*	*10/20/2022 10:29*	WG1938637

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.588		0.236	0.415	10/26/2022 15:30	WG1945570
(T) Barium	*94.6*			*30.0-143*	*10/26/2022 15:30*	WG1945570
(T) Yttrium	*105*			*30.0-136*	*10/26/2022 15:30*	WG1945570

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.712		0.291	0.485	10/26/2022 15:30	WG1938637

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.124	J	0.171	0.251	10/20/2022 10:29	WG1938637
(T) Barium-133	*103*			*30.0-143*	*10/20/2022 10:29*	WG1938637

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.911		0.215	0.369	10/27/2022 10:17	WG1945574
(T) Barium	*102*			*30.0-143*	*10/27/2022 10:17*	WG1945574
(T) Yttrium	*105*			*30.0-136*	*10/27/2022 10:17*	WG1945574

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.07		0.259	0.399	10/27/2022 10:17	WG1938637

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.163		0.144	0.153	10/20/2022 10:29	WG1938637
(T) Barium-133	*104*			*30.0-143*	*10/20/2022 10:29*	WG1938637

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.468		0.205	0.367	10/27/2022 10:17	WG1945574
(T) Barium	*91.4*			*30.0-143*	*10/27/2022 10:17*	WG1945574
(T) Yttrium	*106*			*30.0-136*	*10/27/2022 10:17*	WG1945574

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.791		0.309	0.443	10/27/2022 10:17	WG1938637

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.323		0.231	0.248	10/20/2022 10:29	WG1938637
(T) Barium-133	*102*			*30.0-143*	*10/20/2022 10:29*	WG1938637

QUALITY CONTROL SUMMARY

L1539741-01,02,03,04,05,06,07,08

Method Blank (MB)

(MB) R3853968-1 10/26/22 15:30

Analyte	MB Result	MB Qualifier	MB Uncertainty	MB MDA
	pCi/l		+ / -	pCi/l
Radium-228	-0.172	U	0.177	0.332
(T) Barium	*91.6*		*91.6*	
(T) Yttrium	*92.7*		*92.7*	

L1539720-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1539720-04 10/26/22 15:30 • (DUP) R3853968-5 10/26/22 15:30

Analyte	Original Result	Original Uncertainty	Original MDA	DUP Result	DUP Uncertainty	DUP MDA	Dilution	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	+ / -	pCi/l		%			%	
Radium-228	-0.0699	0.221	0.413	0.284	0.301	0.413	1	200	0.947	J	20	3
(T) Barium	*92.6*			*107*	*107*							
(T) Yttrium	*90.9*			*100*	*100*							

Laboratory Control Sample (LCS)

(LCS) R3853968-2 10/26/22 15:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-228	5.00	4.12	82.3	80.0-120	
(T) Barium			*90.5*		
(T) Yttrium			*100*		

L1539720-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1539720-02 10/26/22 15:30 • (MS) R3853968-3 10/26/22 15:30 • (MSD) R3853968-4 10/26/22 15:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-228	10.0	0.000	8.18	8.92	81.8	89.2	1	70.0-130			8.67		20
(T) Barium		*91.3*			*100*	*95.0*							
(T) Yttrium		*105*			*109*	*97.5*							

Method Blank (MB)

(MB) R3853967-1 10/27/22 10:17

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / - pCi/l	MB MDA pCi/l
Radium-228	0.317		0.150	0.270
(T) Barium	*110*		*110*	
(T) Yttrium	*100*		*100*	

L1540010-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1540010-01 10/27/22 10:17 • (DUP) R3853967-5 10/27/22 10:17

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.375	0.177	0.318	-0.0843	0.291	0.318	1	200	1.35	U	20	3
(T) Barium	*109*			*109*	*109*							
(T) Yttrium	*109*			*101*	*101*							

Laboratory Control Sample (LCS)

(LCS) R3853967-2 10/27/22 10:17

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.12	102	80.0-120	
(T) Barium			*111*		
(T) Yttrium			*109*		

L1540009-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1540009-01 10/27/22 10:17 • (MS) R3853967-3 10/27/22 10:17 • (MSD) R3853967-4 10/27/22 10:17

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	10.0	-0.292	9.44	8.48	94.4	84.8	1	70.0-130			10.7		20
(T) Barium		*103*			*108*	*109*							
(T) Yttrium		*108*			*105*	*104*							

Method Blank (MB)

(MB) R3854388-1 10/20/22 10:29

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / -	MB MDA pCi/l
Radium-226	0.00621	U	0.0472	0.0889
(T) Barium-133	*77.6*		*77.6*	

L1539741-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1539741-10 10/20/22 10:29 • (DUP) R3854388-5 10/20/22 10:29

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.323	0.231	0.248	0.290	0.221	0.248	1	11.0	0.105		20	3
(T) Barium-133	*102*			*96.3*	*96.3*							

Laboratory Control Sample (LCS)

(LCS) R3854388-2 10/20/22 10:29

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.02	5.42	108	80.0-120	
(T) Barium-133			*84.6*		

L1539740-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1539740-01 10/20/22 10:29 • (MS) R3854388-3 10/20/22 10:29 • (MSD) R3854388-4 10/20/22 10:29

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	0.511	22.9	22.5	112	110	1	75.0-125			1.54		20
(T) Barium-133		*99.7*			*95.2*	*98.0*							

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

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

CHAIN-OF-CUSTODY RECORD

L1539741
A118

Work Order: 2209179

Subcontractor:

Pace Analytical
12065 Lebanon Rd
Mt. Juliet, TN 37122

TEL: (615) 773-5923
FAX:
Acct #: DHLRRTX

22-Sep-22

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests: Ra-228 E904.0	Ra-226 M7500 Ra B M					
MW-4	Aqueous	01C	09/19/22 05:20 PM	1LHDPEHNO3		1					-01
MW-4	Aqueous	01D	09/19/22 05:20 PM	1LHDPEHNO3	1						
MW-5	Aqueous	02C	09/20/22 09:10 AM	1LHDPEHNO3		1					-02
MW-5	Aqueous	02D	09/20/22 09:10 AM	1LHDPEHNO3	1						
MW-6	Aqueous	03C	09/19/22 12:30 PM	1LHDPEHNO3		1					-03
MW-6	Aqueous	03D	09/19/22 12:30 PM	1LHDPEHNO3	1						
MW-8	Aqueous	04C	09/20/22 03:35 PM	1LHDPEHNO3		1					-04
MW-8	Aqueous	04D	09/20/22 03:35 PM	1LHDPEHNO3	1						
MW-9	Aqueous	05C	09/19/22 03:25 PM	1LHDPEHNO3		1					-05
MW-9	Aqueous	05D	09/19/22 03:25 PM	1LHDPEHNO3	1						
MW-10	Aqueous	06C	09/20/22 10:05 AM	1LHDPEHNO3		1					-06
MW-10	Aqueous	06D	09/20/22 10:05 AM	1LHDPEHNO3	1						
MW-11	Aqueous	07C	09/19/22 02:30 PM	1LHDPEHNO3		1					-07
MW-11	Aqueous	07D	09/19/22 02:30 PM	1LHDPEHNO3	1						
BV-5	Aqueous	08C	09/21/22 10:00 AM	1LHDPEHNO3		1					-08
BV-5	Aqueous	08D	09/21/22 10:00 AM	1LHDPEHNO3	1						
BV-21	Aqueous	09C	09/20/22 04:40 PM	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:	[signature]	9/22/22 1800	Received by:	[signature]	9/26/22 1000
Relinquished by:		Received 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: 2209179

L1539741

Subcontractor:
Pace Analytical
12065 Lebanon Rd
Mt. Juliet, TN 37122

TEL: (615) 773-5923
FAX:
Acct #: DHLRRTX

22-Sep-22

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests: Ra-228 E904.0	Ra-226 M7500 Ra B M				
BV-21	Aqueous	09D	09/20/22 04:40 PM	1LHDPEHNO3	1					-09
DUP-101	Aqueous	10C	09/21/22 10:10 AM	1LHDPEHNO3		1				-10
DUP-101	Aqueous	10D	09/21/22 10:10 AM	1LHDPEHNO3	1					

Sample Receipt Checklist

COC Seal Present/Intact: __Y__N
COC Signed/Accurate: __Y__N
Bottles arrive intact: __Y__N
Correct bottles used: __Y__N
Sufficient volume sent: __Y__N
RAD Screen <0.5 mR/hr: Y N

If Applicable
VOA Zero Headspace: __Y__N
Pres.Correct/Check: __Y__N

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:		9/22/22 1800	Received by:		9/26/22 1000
Relinquished by:		Received by:	Received by:		Relinquished by:

ATTACHMENT 2

APPENDIX IV CONFIDENCE INTERVAL GRAPHS

EXPLANATION

95% Upper confidence limit

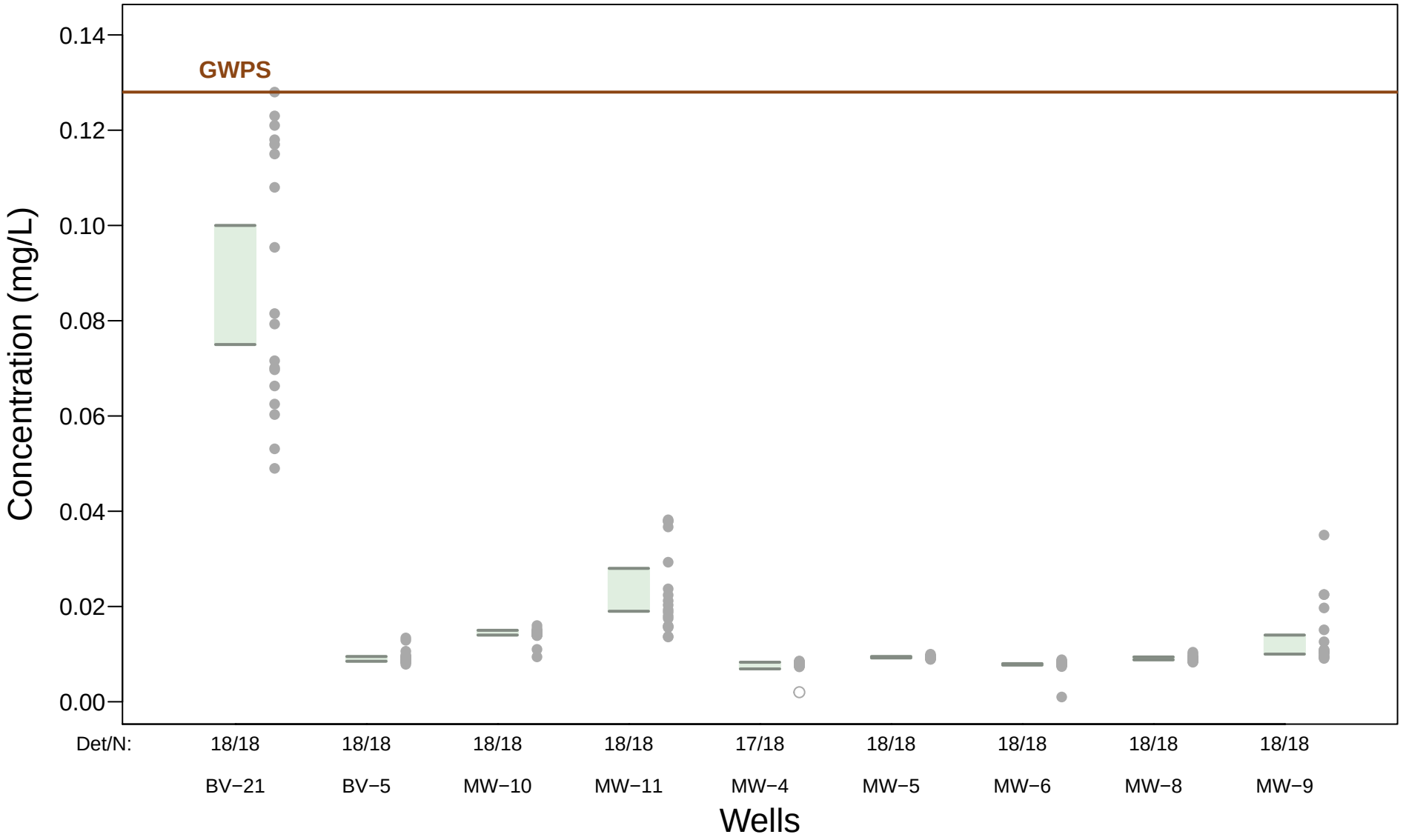
95% Lower confidence limit

Detected sample concentration

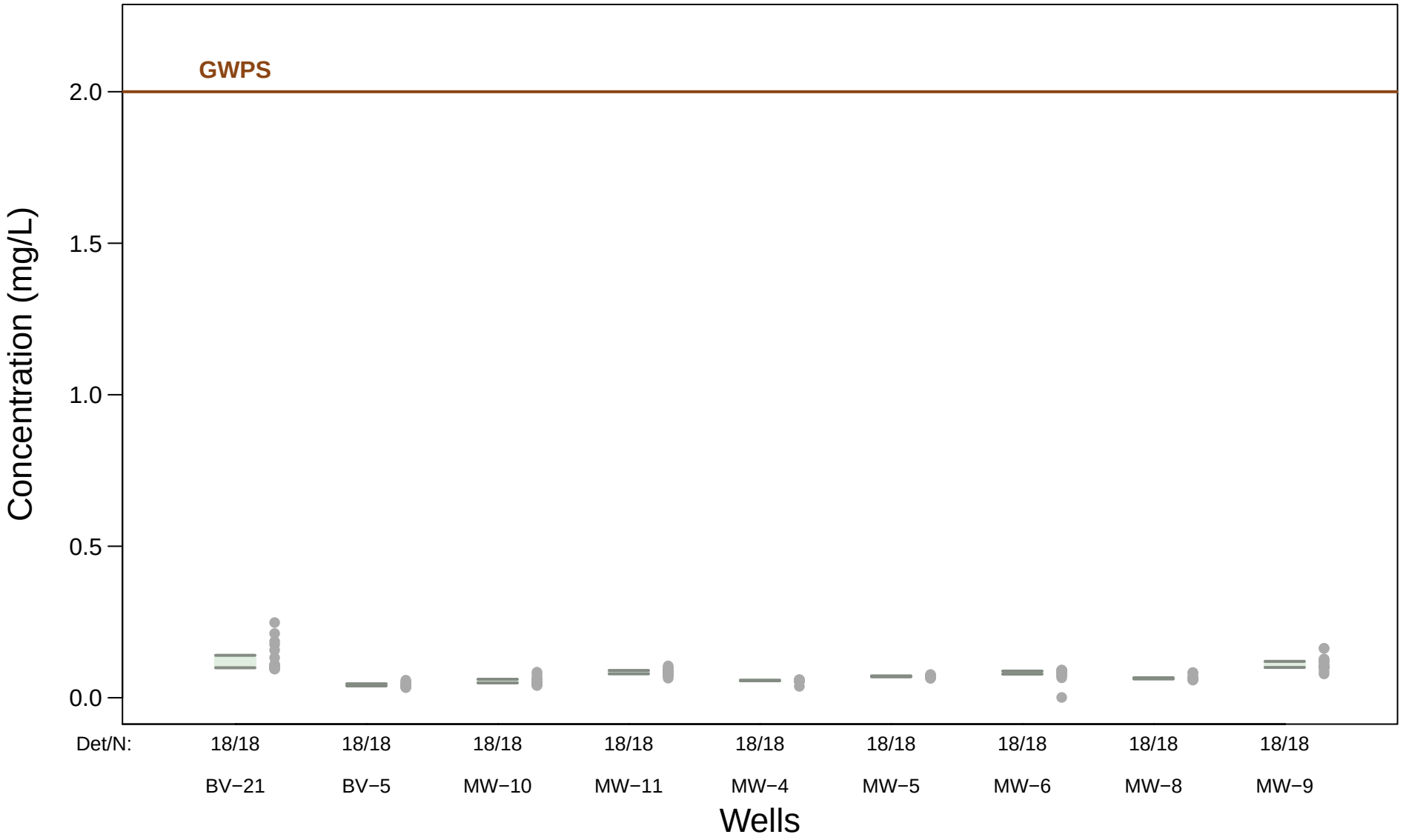
Non-detect sample result (concentration set to laboratory reporting limit)

Note: An SSL is indicated if the lower confidence limit exceeds the GWPS (SSLs are not indicated).

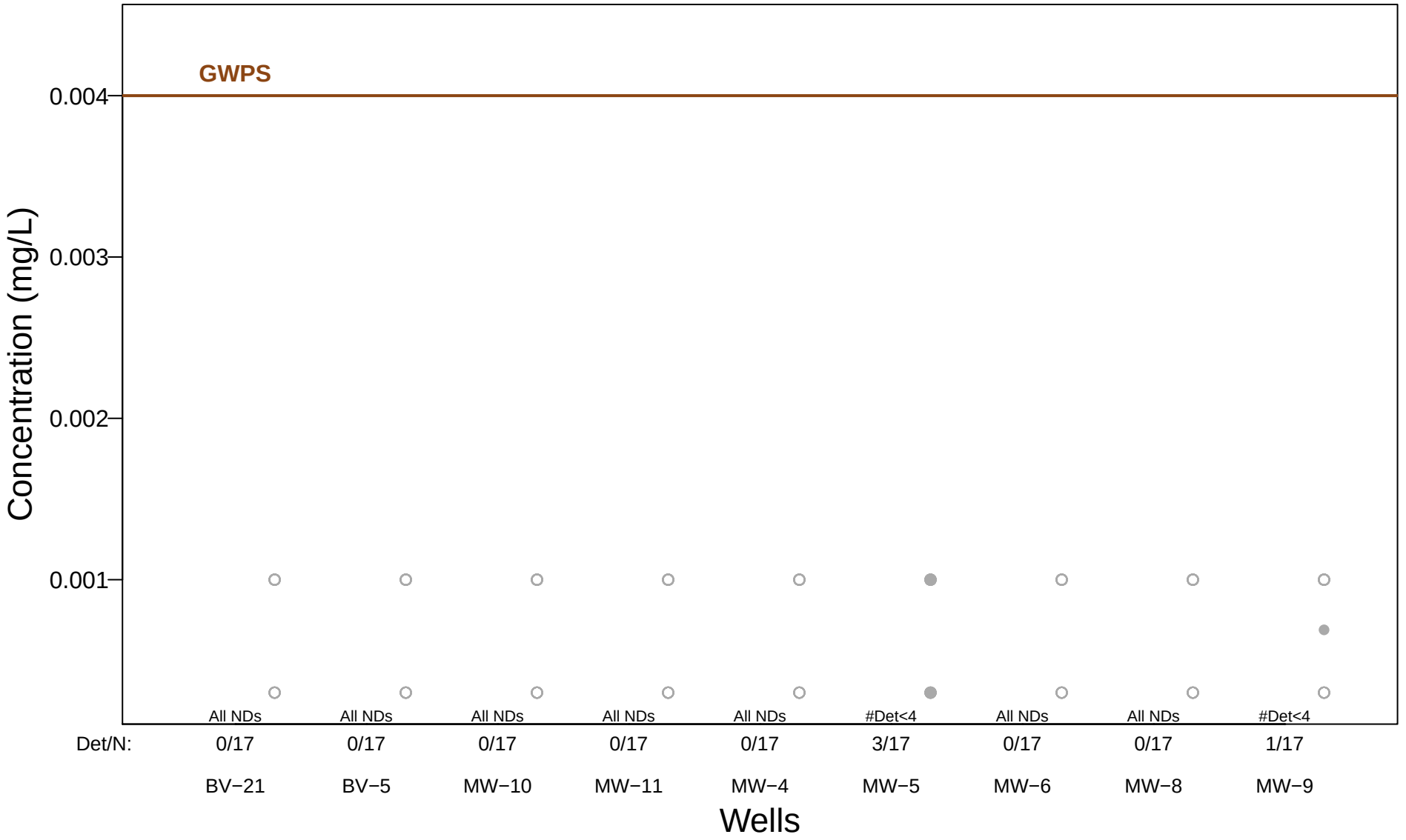
Arsenic − 95% Confidence Intervals



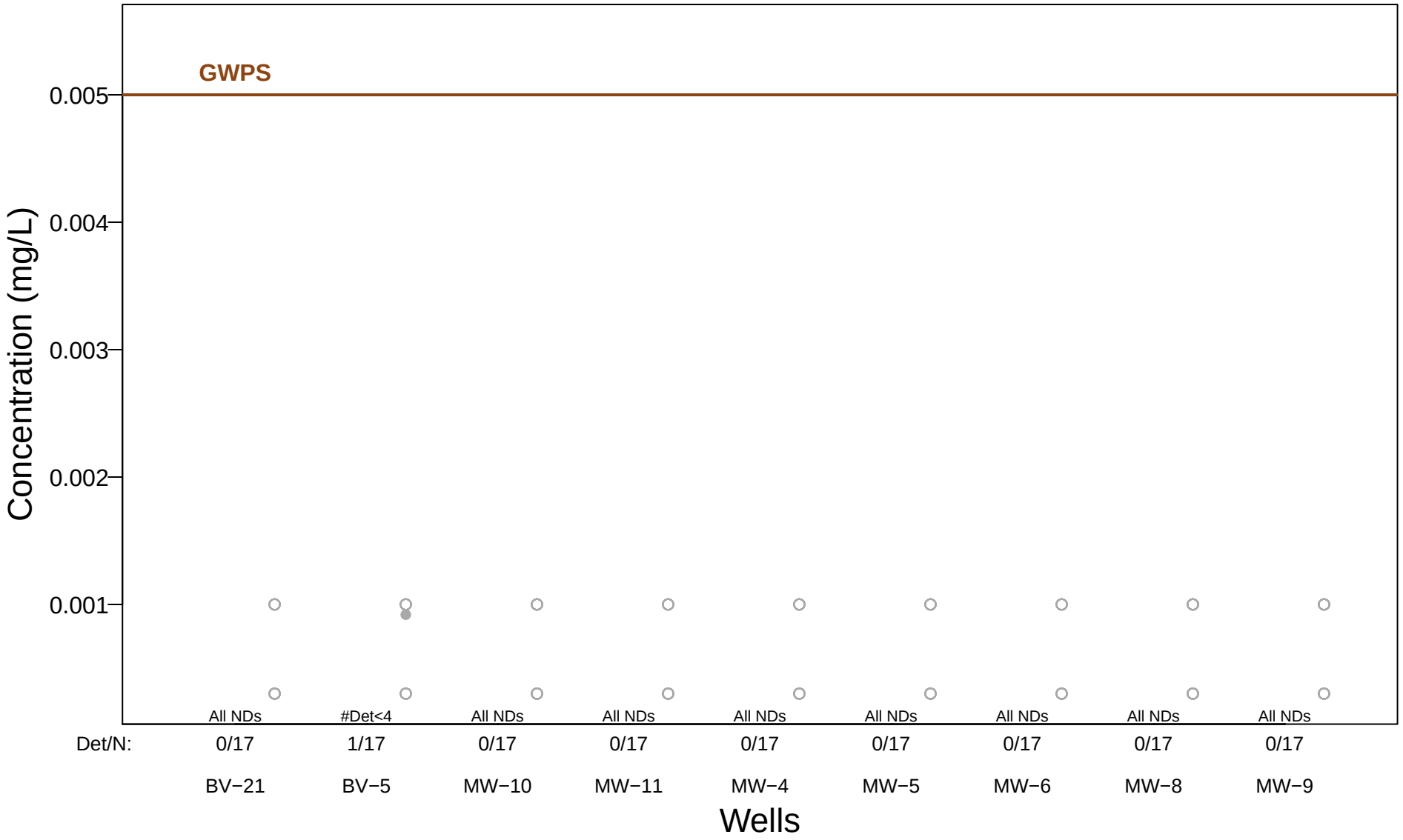
Barium – 95% Confidence Intervals



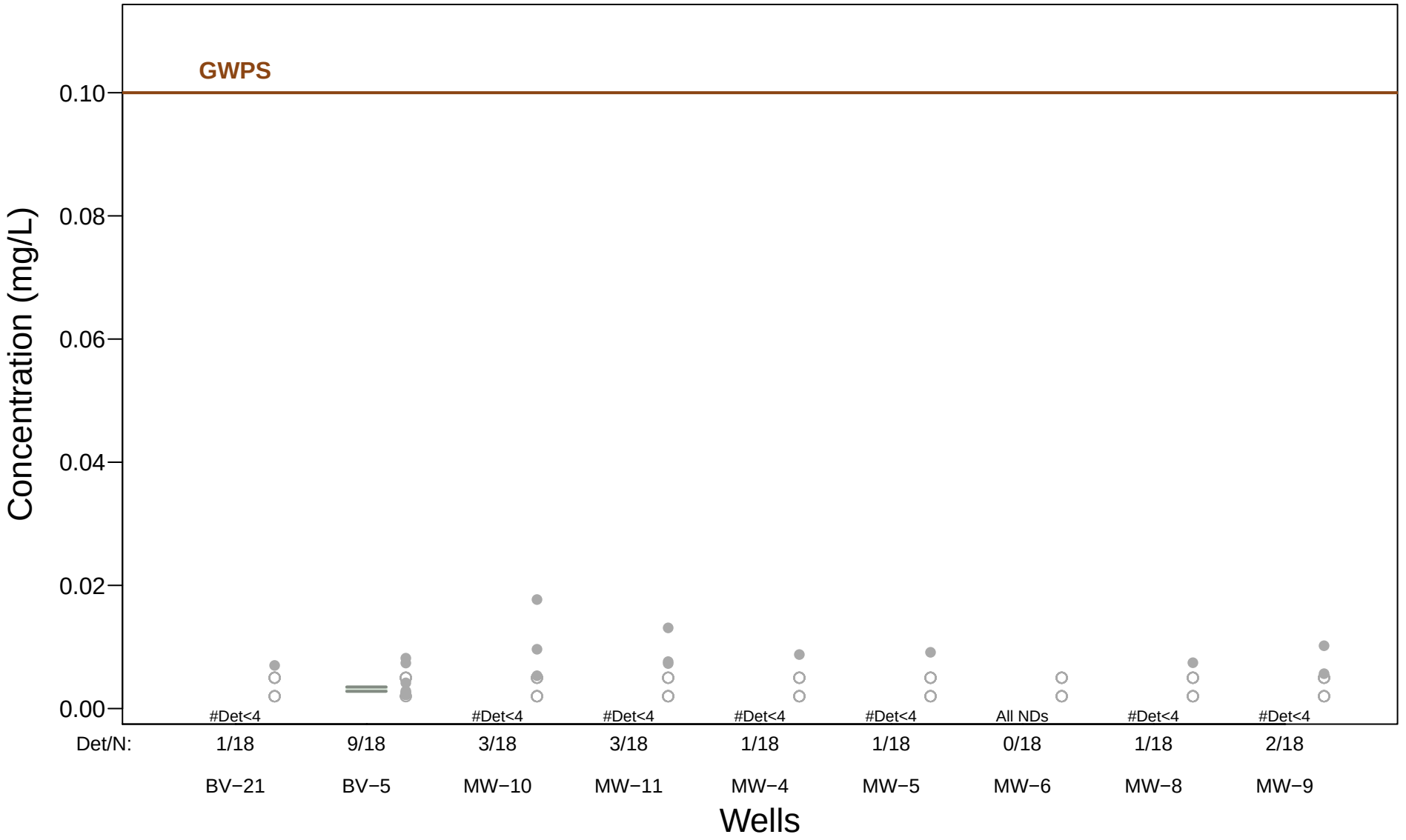
Beryllium – 95% Confidence Intervals



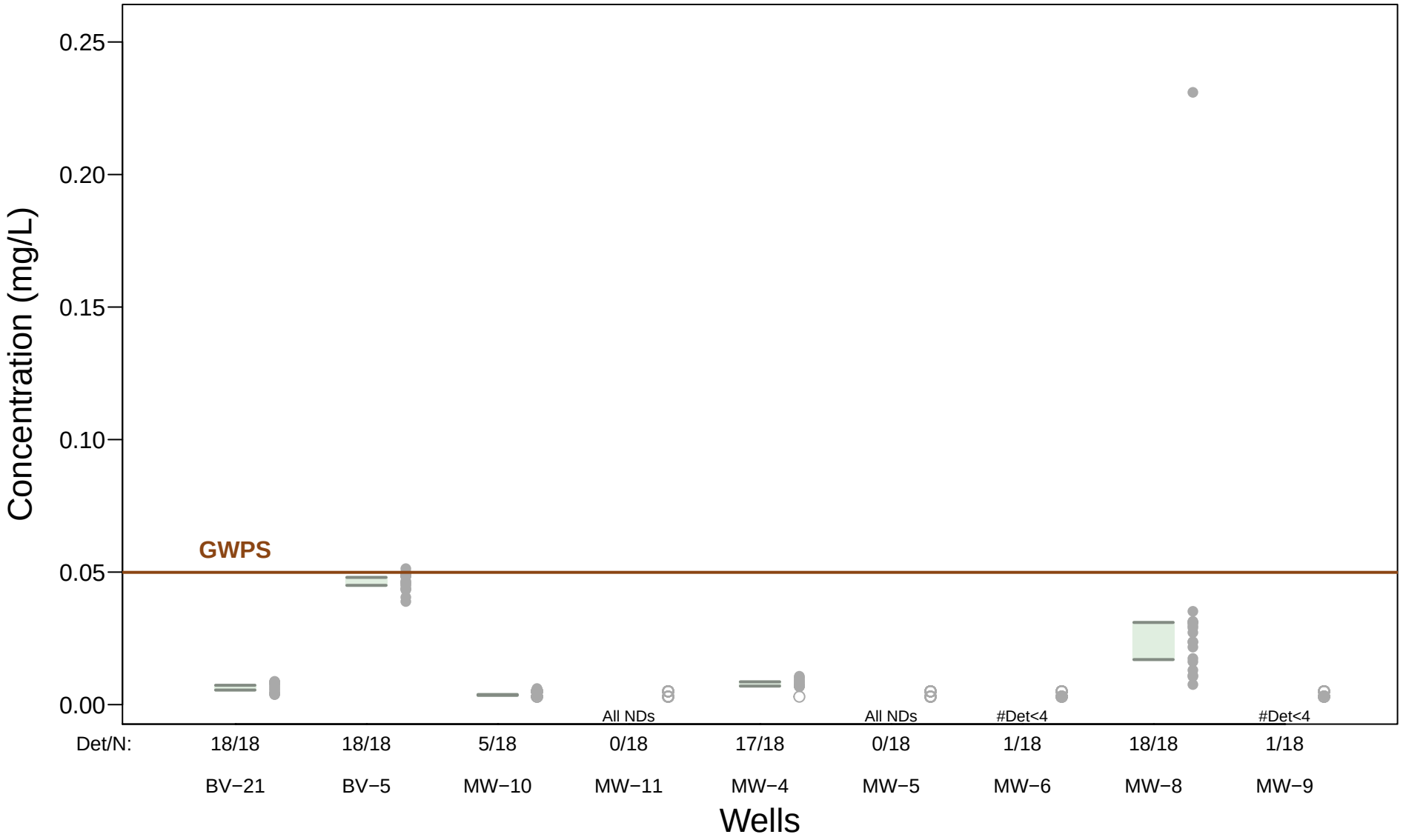
Cadmium – 95% Confidence Intervals



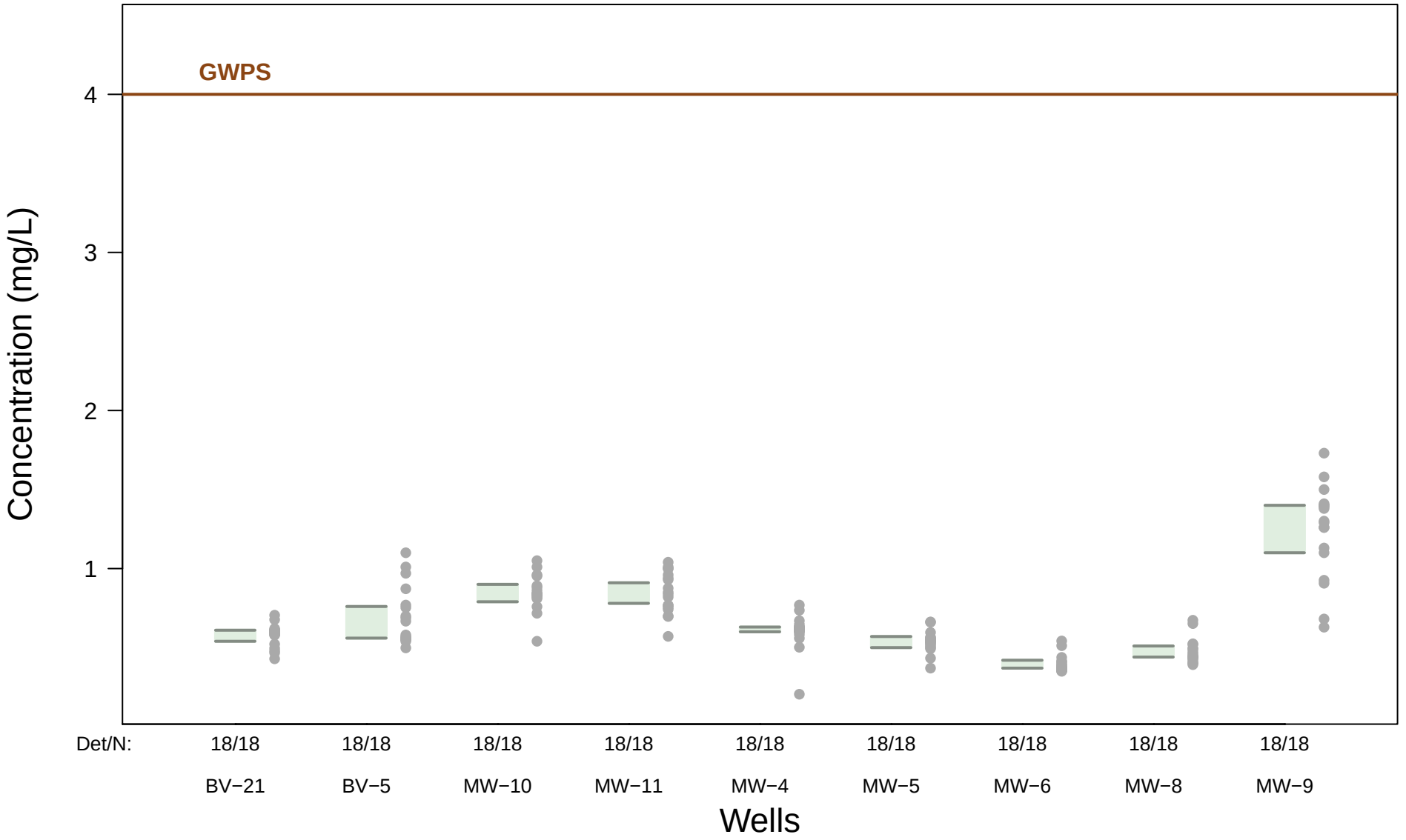
Chromium – 95% Confidence Intervals



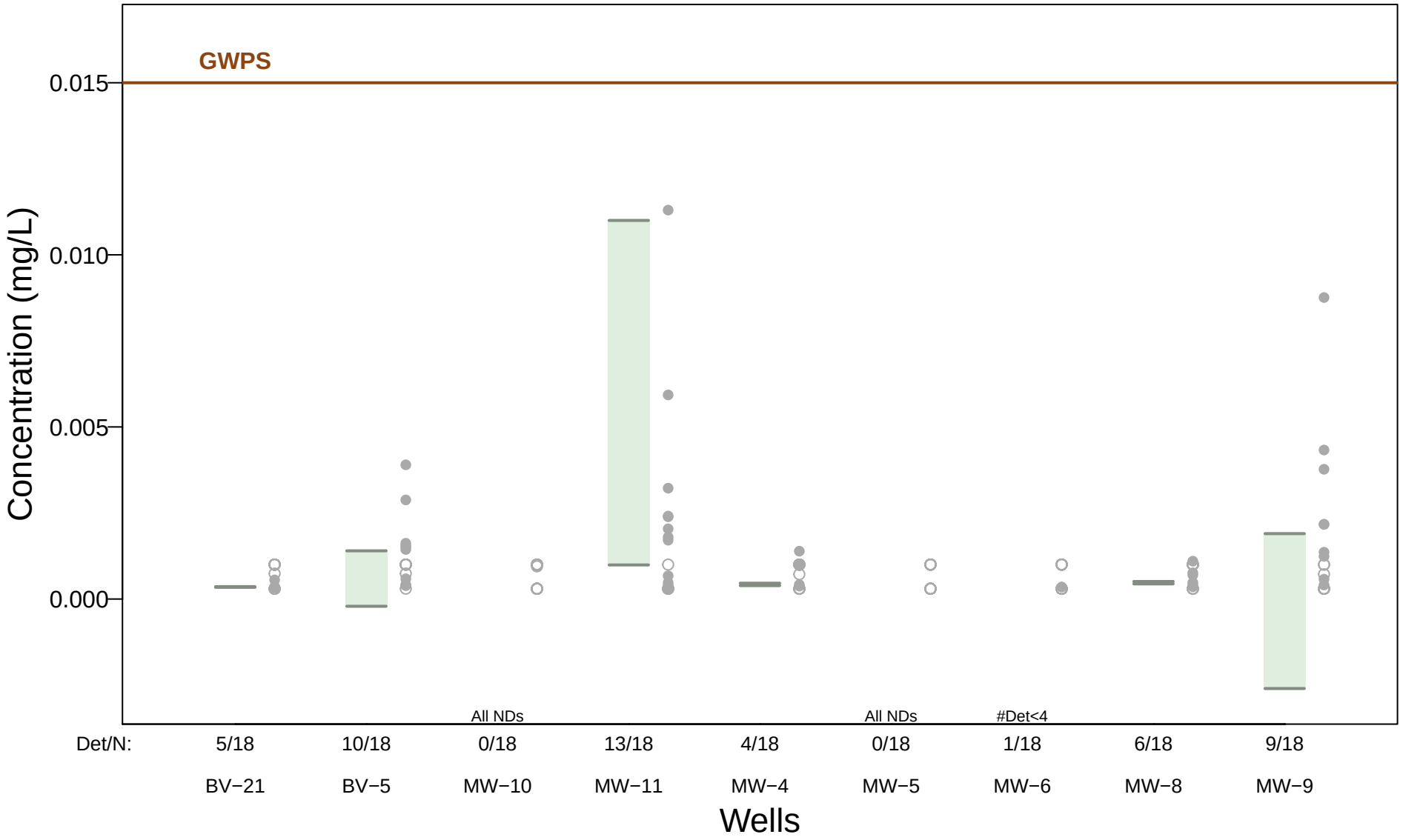
Cobalt – 95% Confidence Intervals



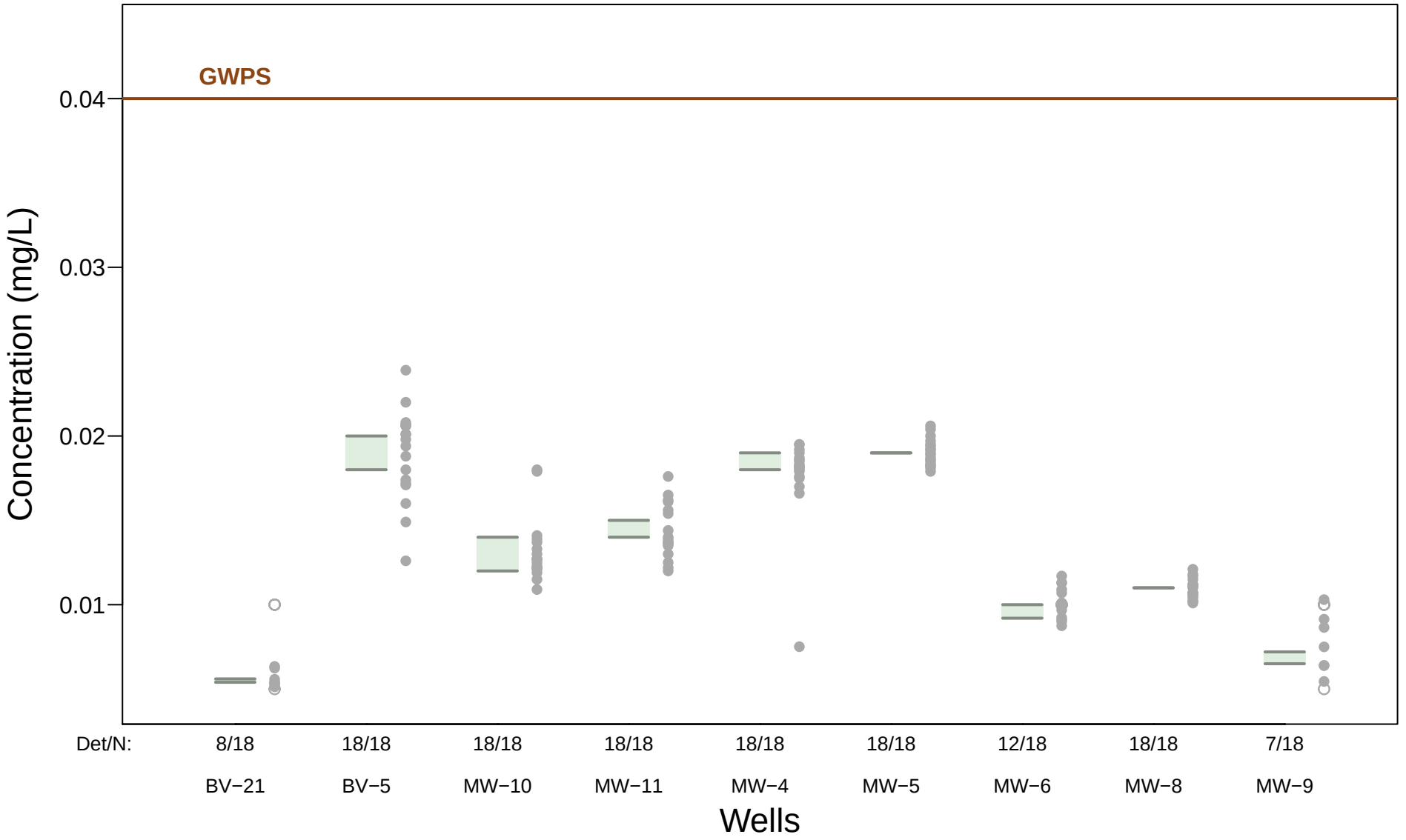
Fluoride (Appendix IV) – 95% Confidence Intervals



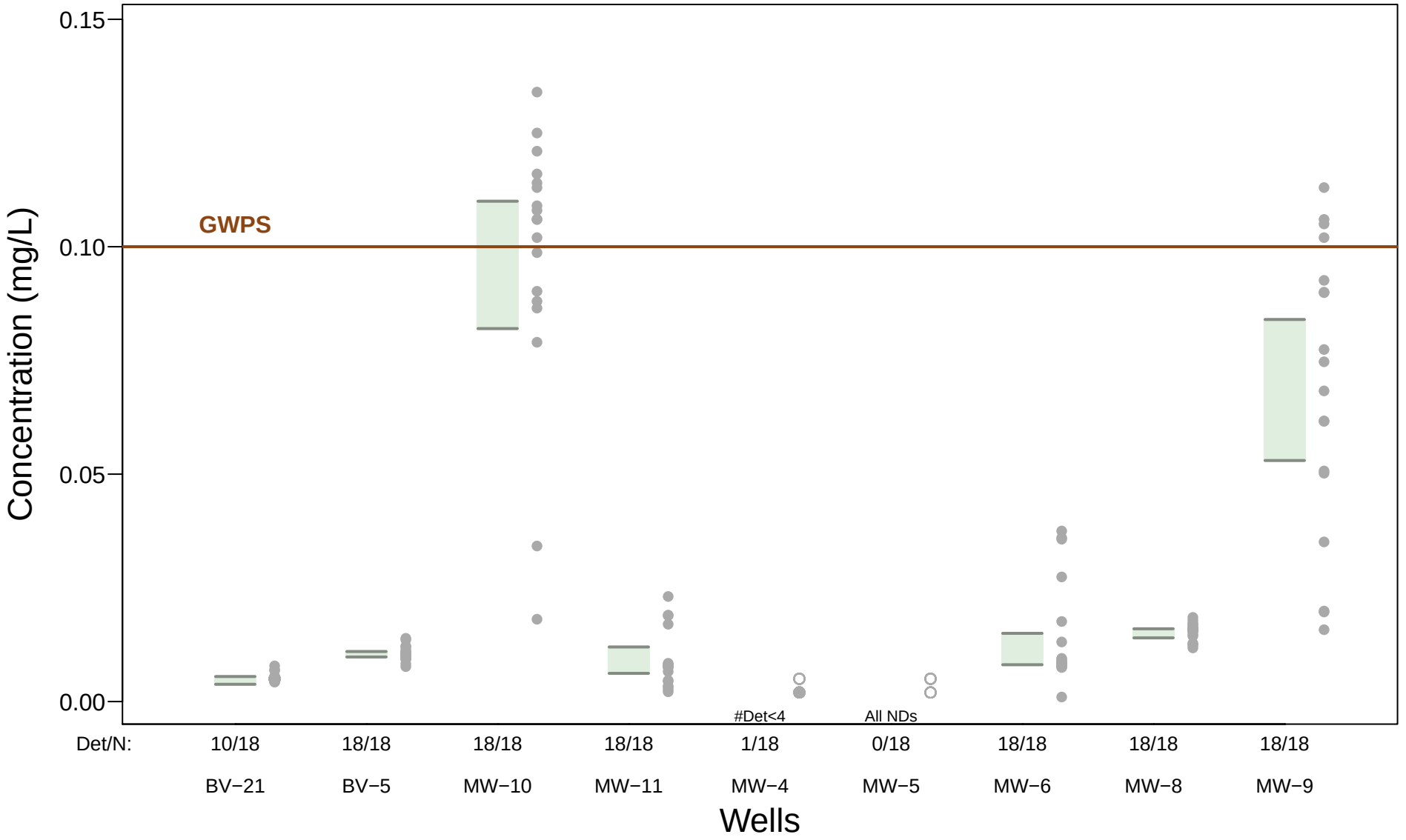
Lead − 95% Confidence Intervals



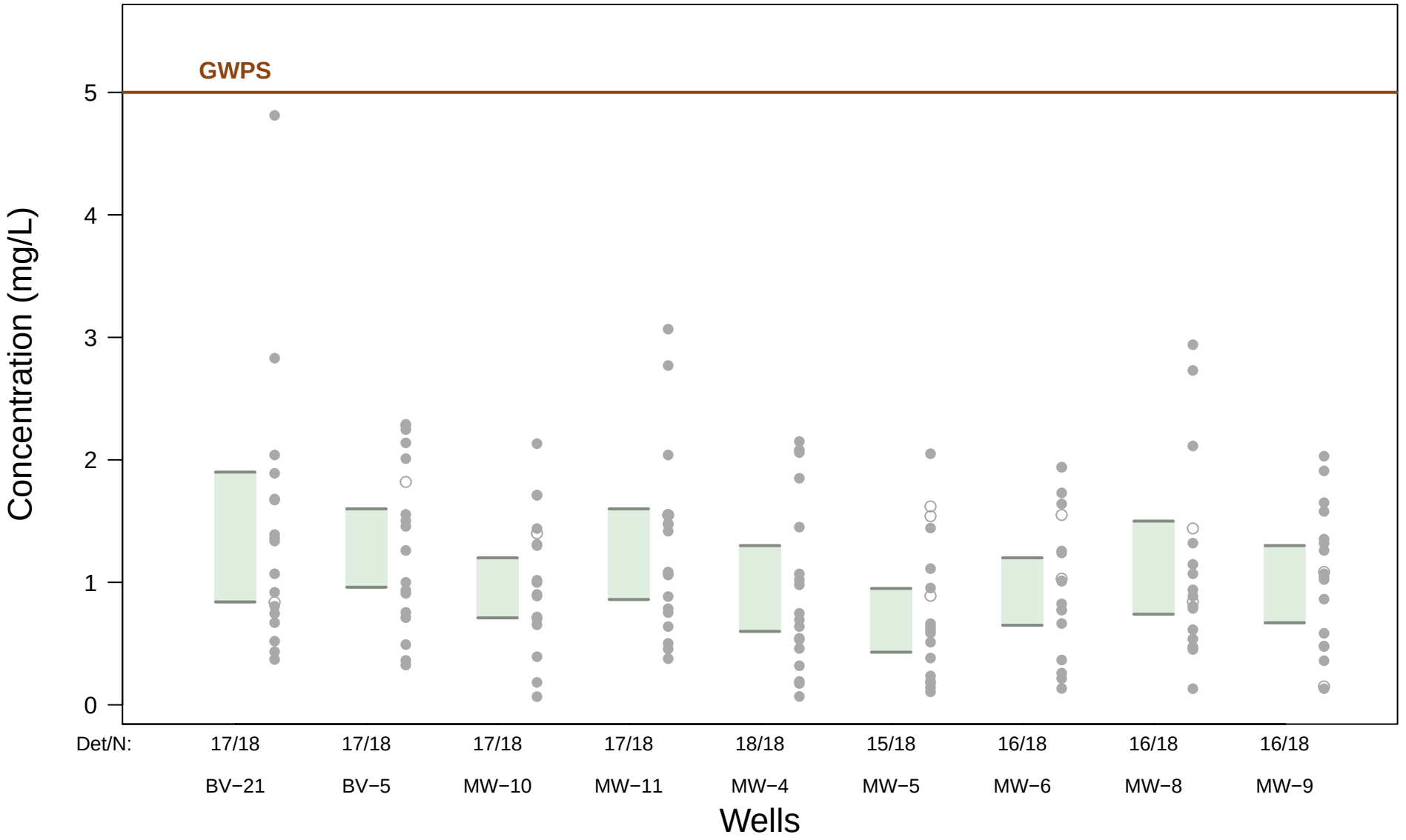
Lithium − 95% Confidence Intervals



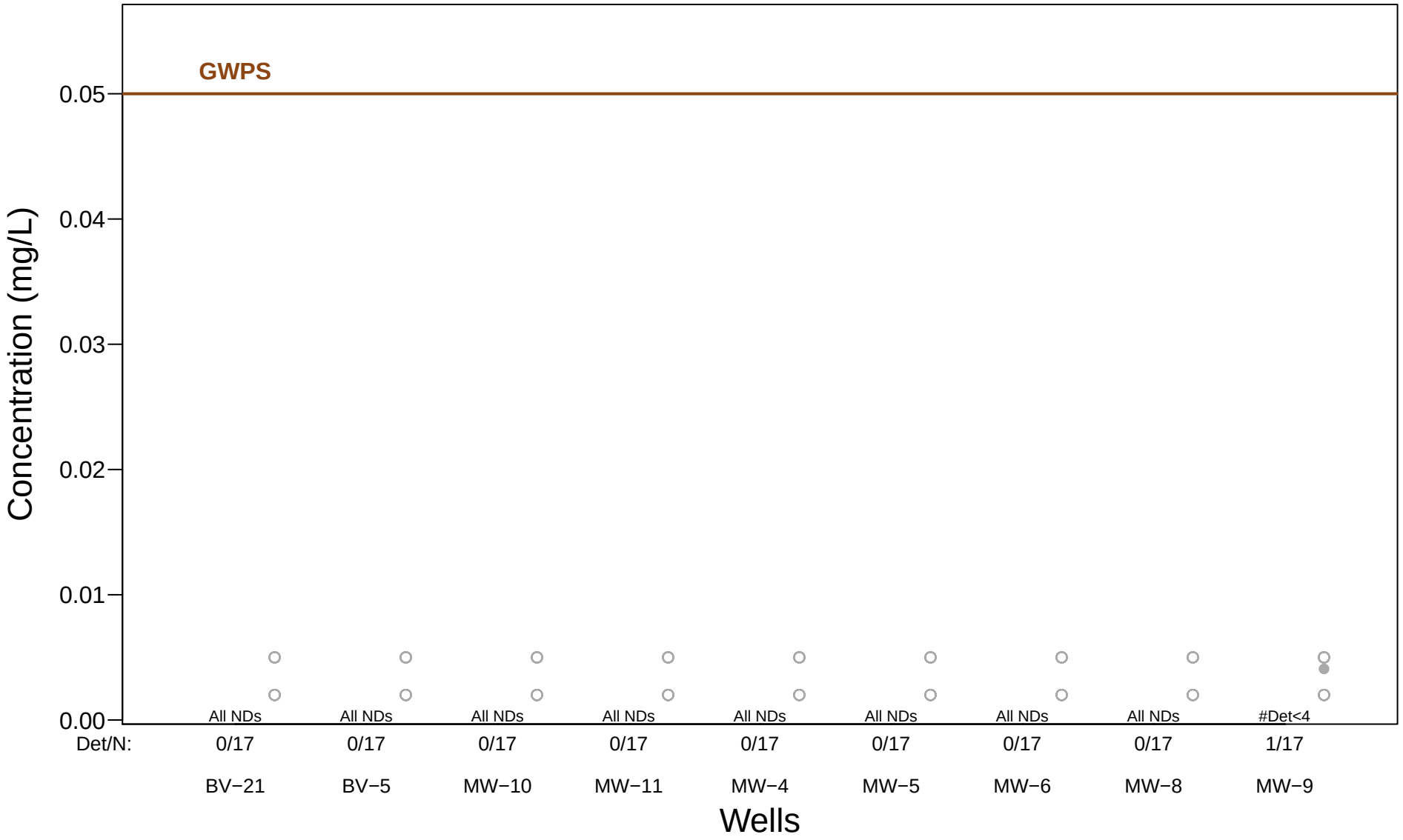
Molybdenum − 95% Confidence Intervals



Radium−226/228 combined − 95% Confidence Intervals

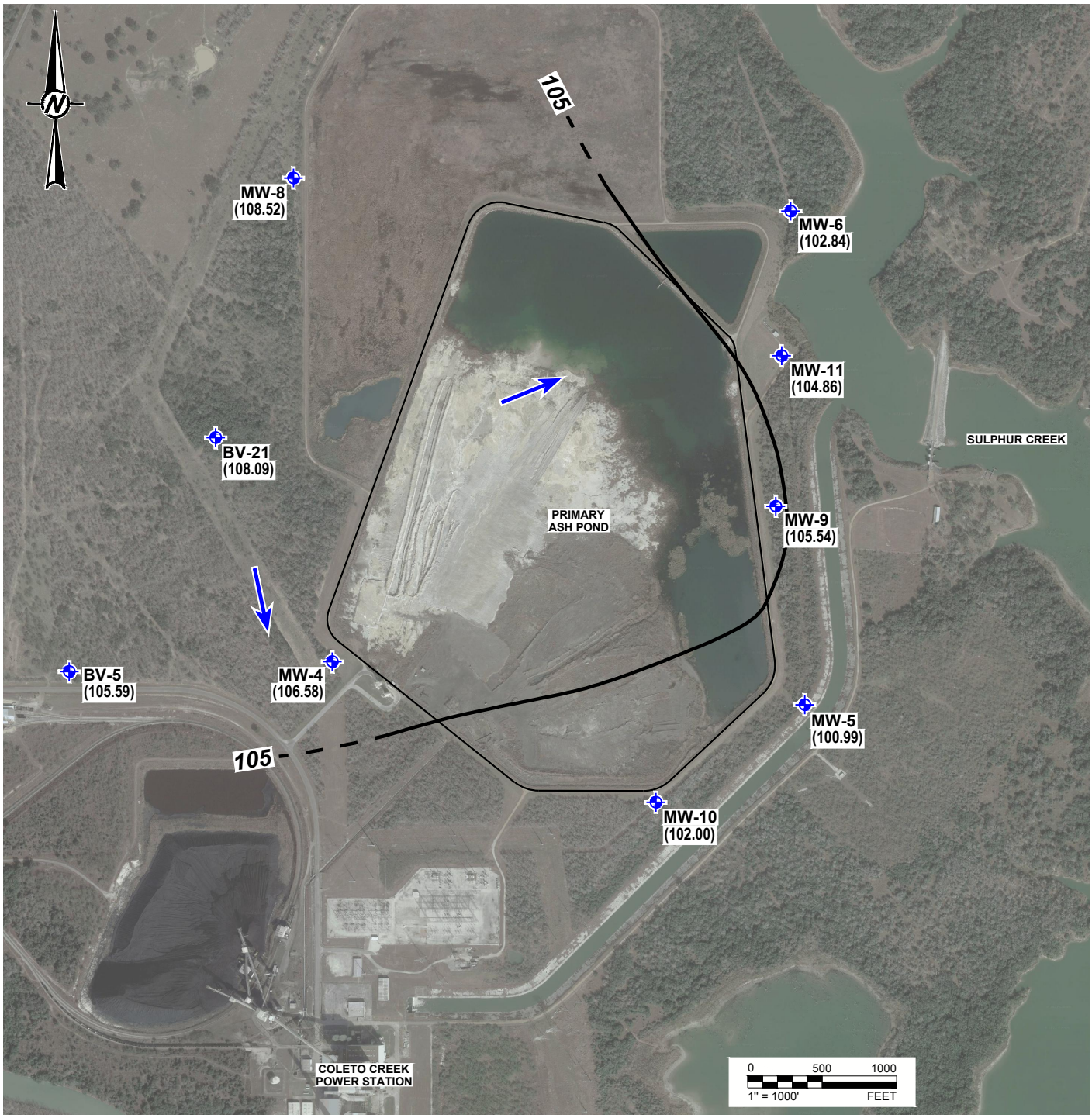


Selenium − 95% Confidence Intervals



ATTACHMENT 3

GROUNDWATER POTENTIOMETRIC SURFACE MAPS



LEGEND

- CCR MONITORING WELL
- *(113.02)* 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
1/31/23

REFERENCE(S)

BASE MAP TAKEN FROM GOOGLE EARTH, IMAGERY DATED JANUARY 15, 2021.

CLIENT
LUMINANT

PROJECT
COLETO CREEK POWER STATION
FANNIN, TEXAS

TITLE
PRIMARY ASH POND
POTENTIOMETRIC SURFACE MAP
MAY 25, 2022

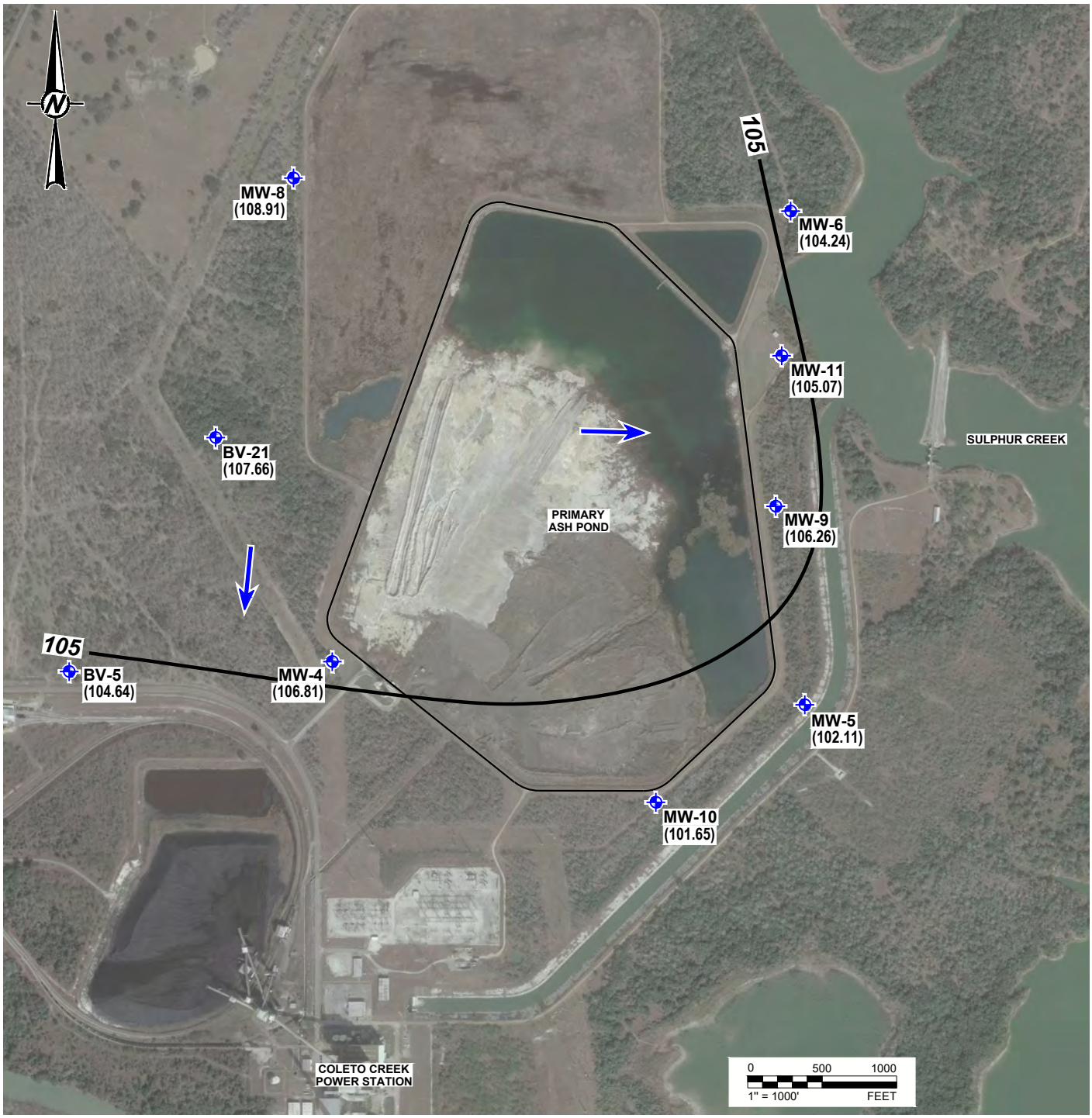
CONSULTANT

YYYY-MM-DD	2022-12-20
DESIGNED	TNB
PREPARED	TNB
REVIEWED	JJ
APPROVED	WFV

PROJECT NO.	REV.	FIGURE
31404097.009	0	1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

Last Edited By: tbookout Date: 2022-12-20 Time:12:38:39 PM | Printed By: TBookout Date: 2022-12-20 Time:12:40:02 PM
Path: \\golder.gds\complexdata\office\Texarkana\Projects - Round Rock_2022\31404097 - Luminant CCR\Coleto Creek\PRODUCTION\2022-12\ | File Name:FIG 2 - Pot Surface Map-Primary Ash Pond (May 2022).dwg



LEGEND

- CCR MONITORING WELL
- *(113.02)* 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
1/31/23

REFERENCE(S)

BASE MAP TAKEN FROM GOOGLE EARTH, IMAGERY DATED JANUARY 15, 2021.

CLIENT
LUMINANT

PROJECT
COLETO CREEK POWER STATION
FANNIN, TEXAS

TITLE
PRIMARY ASH POND
POTENTIOMETRIC SURFACE MAP
SEPTEMBER 20, 2022

CONSULTANT
wsp

YYYY-MM-DD	2023-01-10
DESIGNED	AJD
PREPARED	AJD
REVIEWED	WFV
APPROVED	WFV

PROJECT NO. 31404097.009 | REV. 0 | FIGURE 2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

Last Edited By: usad701305 Date: 2023-01-10 Time:3:49:58 PM | Printed By: USAD701305 Date: 2023-01-10 Time:4:13:49 PM
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