

June 1, 2023

Sabre Beebe
Simcoe LLC
1199 Main Ave Suite 101
Durango, CO 81301

**RE: Piccoli A#1 Discharge Line
May 2023 Monitoring and Sample Results**

Dear Ms. Beebe,

Cottonwood Consulting LLC (Cottonwood) is pleased to provide Simcoe LLC (Simcoe) with the results of the soil sampling and ocular vegetation monitoring, conducted on May 9, 2023, at the Piccoli A#1 discharge line release site. Details regarding the methodology and associated results are summarized below.

Background

A release occurred from a Simcoe discharge line near the Piccoli A#1 in January 2022. A discharge valve on water transfer froze and broke releasing produced water across and off location to the south. Well and lines were shut in and isolated. A hydrovac truck and water truck were used to remove as much produced water as possible from the well pad and below the fill slope.

In order to prevent further contaminant migration beyond the downgradient extent of the initial flow path, Simcoe installed wattles on the fill slope at the culvert leading to the creek and other necessary areas. A piping modification was conducted in January 2022 to eliminate the need for above grade piping and to prevent reoccurring problems.

Simcoe conducted the initial sampling in January 2022. Following the initial sampling, Cottonwood performed soil sampling to determine the extent of the impact on January 24, 2022. Soil sample results from January 24, 2022, indicated levels of SAR (sodium adsorption ratio), boron and chromium (VI) above COGCC Table 915 Standards. Soil sample results also indicated pH outside the range of COGCC Table 915 Standards. Remediation of elevated SAR was performed in-situ by applying a combination of soil amendments and inter-seeding with phytoremediation grass seeds. Monitoring with soil sampling and ocular vegetation monitoring will be performed annually until such time that soil sample values are below the threshold.

Cottonwood was retained by Simcoe to conduct soil sampling and ocular vegetation monitoring for the 2023 monitoring event.

Monitoring Methodology

On May 9, 2023, Cottonwood staff conducted soil sampling and ocular vegetation monitoring at the Piccoli A#1 discharge line release site. One soil sample was collected from the well pad within the flow path and four soil samples were collected from within the flow path downgradient of the well pad. At the soil sample locations, a decontaminated stainless-steel shovel was used to transfer soil

into a stainless-steel bowl. The sample was mixed thoroughly in the bowl to create a homogeneous sample. The sample was transferred into a plastic one-gallon sealed bag, placed in a cooler with ice, and submitted to Green Analytical Laboratories (GAL) for analysis of pH, SAR, chromium (VI), and boron.

Observations regarding the physical characteristics of the soil samples and sample locations were recorded in a field notebook. Cottonwood also collected photographs of the sample locations and vegetation monitoring areas.

The release area, fill slope, and the toe of the fill slope were visually inspected for impacts and vegetation coverage. Observations regarding the release area and fill slope were recorded in a field notebook. Cottonwood also collected photographs of the point of release, flow path and overall site.

A soil sampling results table can be found in Table 1, a map of the monitoring effort can be found in Figure 1, photographs of the monitoring effort are provided in Attachment 1, and laboratory analytical data can be found in Attachment 2.

Results

Soil sample results collected on the well pad and collected within the flow path indicated analytes below COGCC Table 915 standards. Ocular vegetation monitoring indicated that remedial vegetation is growing and that vegetation on the cut slope and toe of fill slope is consistent with seasonal and surrounding conditions.

Conclusion

Based on the soil sampling and observations conducted May 9, 2023, no analytes were detected above COGCC Table 915-1 standards in all soil samples collected within the flow path and vegetation was consistent with seasonal and surrounding conditions.

The soil amendment application and seeding of the phytoremediation grass seeds appear to have reduced the concentrations of pH, SAR, boron, and chromium (VI) below COGCC Table 915 standards.

Should you have any questions, please do not hesitate to contact me at 970-764-7356. Cottonwood appreciates the opportunity to provide services to Simcoe.

Sincerely,



Kyle Siesser, P.G.
Cottonwood Consulting LLC

Attachments: Table 1 – Soil Sampling Results Table
Figure 1 – Monitoring Map
Attachment 1 – Photographic Log
Attachment 2 – Laboratory Analytical Data

TABLE 1

Table 1
Soil Sampling Results
Piccoli A#1
Simcoe LLC

Parameter	SS03 1/24/2022 Well pad	SS04 1/24/2022 Flow path	SS05 1/24/2022 Flow path	SS06 1/24/2022 Flow path	SS07 1/24/2022 Flow path	SS08 1/24/2022 Background	COGCC Table 915-1 Standard	Units
Depth	0-6	0-6	0-6	0-6	0-6	0-3	NA	inches bgs
PID	0.2	0.1	0.1	0.2	0.1	0.1	NA	ppm
Conductivity	2.150	1.860	2.640	2.250	2.540	1.470	<4	mmhos/cm
pH	7.99	8.46	7.75	7.30	7.20	7.32	6-8.3	pH units
SAR	11.7	13.5	11.7	10.1	1.91	0.59	<6	no units
Calcium	69.2	47.1	90.5	110	286	214	NA	mg/L
Magnesium	13.9	9.88	17.4	16.8	52.3	36.7	NA	mg/L
Sodium	408	390	465	429	134	35.2	NA	mg/L
Arsenic	3.49	2.70	2.24	1.55	2.41	2.94	0.68 or 1.25 BG	mg/kg
Barium	983	394	386	278	265	199	15000	mg/kg
Cadmium	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	71	mg/kg
Chromium (VI)	<0.250	<0.250	0.410	0.942	0.690	<0.250	0.3	mg/kg
Total Chromium	16.3	10.3	8.78	7.08	6.92	7.22	NA	mg/kg
Copper	24.3	28.2	23.5	13.9	21.8	15.9	3100	mg/kg
Lead	10.4	<10.0	<10.0	<10.0	<10.0	<10.0	400	mg/kg
Nickel	11.0	9.73	7.88	<5.00	6.28	5.88	1500	mg/kg
Selenium	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	390	mg/kg
Silver	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	390	mg/kg
Zinc	45.2	57.0	60.7	39.0	62.4	38.5	23000	mg/kg
Boron	1.74	2.73	2.12	4.21	2.26	1.96	2	mg/L
TPH (GRO)	<10.0	<10.0	<10.0	<10.0	<10.0	-	NA	mg/kg
TPH (DRO)	<10.0	<10.0	<10.0	<10.0	<10.0	-	NA	mg/kg
TPH (EXT DRO)	<10.0	<10.0	<10.0	<10.0	<10.0	-	NA	mg/kg
Total TPH	<30.0	<30.0	<30.0	<30.0	<30.0	-	500	mg/kg
Benzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	-	1.2	mg/kg
Toluene	0.0354	<0.0250	<0.0250	0.0474	<0.0250	-	490	mg/kg
Ethylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	-	5.8	mg/kg
Total Xylenes	<0.0750	<0.0750	<0.0750	<0.0750	<0.0750	-	58	mg/kg
1,3,5-trimethylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	-	27	mg/kg
1,2,4-trimethylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	-	30	mg/kg
Naphthalene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	-	2	mg/kg
2-methylnaphthalene	<0.023	<0.023	<0.023	<0.023	<0.023	-	24	mg/kg
1-methylnaphthalene	<0.016	<0.016	<0.016	<0.016	<0.016	-	18	mg/kg
Acenaphthene	<0.024	<0.024	<0.024	<0.024	<0.024	-	360	mg/kg
Fluorene	<0.014	<0.014	<0.014	<0.014	<0.014	-	240	mg/kg
Anthracene	<0.017	<0.017	<0.017	<0.017	<0.017	-	1800	mg/kg
Fluoranthene	<0.019	<0.019	<0.019	<0.019	<0.019	-	240	mg/kg
Pyrene	<0.013	<0.013	<0.013	<0.013	<0.013	-	180	mg/kg
Benzo(a)anthracene	<0.023	<0.023	<0.023	<0.023	<0.023	-	1.1	mg/kg
Chrysene	<0.017	<0.017	<0.017	<0.017	<0.017	-	110	mg/kg
Benzo(b)fluoranthene	<0.019	<0.019	<0.019	<0.019	<0.019	-	1.1	mg/kg
Benzo(k)fluoranthene	<0.016	<0.016	<0.016	<0.016	<0.016	-	11	mg/kg
Benzo(a)pyrene	<0.018	<0.018	<0.018	<0.018	<0.018	-	0.11	mg/kg
Indeno(1,2,3-cd)pyrene	<0.017	<0.017	<0.017	<0.017	<0.017	-	1.1	mg/kg
Dibenz(a,h)anthracene	<0.019	<0.019	<0.019	<0.019	<0.019	-	0.11	mg/kg

Notes:

PID - Photoionization Detector
SAR - Sodium Adsorption Ratio
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics

EXT - Extended
NA - Not Applicable
BG - Background
ppm - parts per million
bgs - below ground surface

mmhos/cm - millihos per centimeter
mg/L - milligrams per liter
mg/kg - milligrams per kilogram

Table 1
Soil Sampling Results (continued)
Piccoli A#1
Simcoe LLC

Parameter	SS09 5/9/2023 Well pad	SS10 5/9/2023 Flow path	SS11 5/9/2023 Flow path	SS12 5/9/2023 Flow path	SS13 5/9/2023 Flow path	COGCC Table 915-1 Standard	Units
Depth	0-12	0-12	0-12	0-10	0-12	NA	inches bgs
PID	-	-	-	-	-	NA	ppm
Conductivity	-	-	-	-	-	<4	mmhos/cm
pH	7.99	8.01	7.89	7.31	7.90	6-8.3	pH units
SAR	2.22	5.86	4.23	1.08	4.47	<6	no units
Calcium	45.3	24.0	40.5	161	81.3	NA	mg/L
Magnesium	7.80	4.39	8.23	20.6	13.4	NA	mg/L
Sodium	61.4	119	113	55.0	165	NA	mg/L
Arsenic	-	-	-	-	-	0.68 or 1.25 BG	mg/kg
Barium	-	-	-	-	-	15000	mg/kg
Cadmium	-	-	-	-	-	71	mg/kg
Chromium (VI)	<0.250	<0.250	<0.250	<0.250	<0.250	0.3	mg/kg
Total Chromium	-	-	-	-	-	NA	mg/kg
Copper	-	-	-	-	-	3100	mg/kg
Lead	-	-	-	-	-	400	mg/kg
Nickel	-	-	-	-	-	1500	mg/kg
Selenium	-	-	-	-	-	390	mg/kg
Silver	-	-	-	-	-	390	mg/kg
Zinc	-	-	-	-	-	23000	mg/kg
Boron	<1.20	1.53	1.31	<1.20	<1.20	2	mg/L
TPH (GRO)	-	-	-	-	-	NA	mg/kg
TPH (DRO)	-	-	-	-	-	NA	mg/kg
TPH (EXT DRO)	-	-	-	-	-	NA	mg/kg
Total TPH	-	-	-	-	-	500	mg/kg
Benzene	-	-	-	-	-	1.2	mg/kg
Toluene	-	-	-	-	-	490	mg/kg
Ethylbenzene	-	-	-	-	-	5.8	mg/kg
Total Xylenes	-	-	-	-	-	58	mg/kg
1,3,5-trimethylbenzene	-	-	-	-	-	27	mg/kg
1,2,4-trimethylbenzene	-	-	-	-	-	30	mg/kg
Naphthalene	-	-	-	-	-	2	mg/kg
2-methylnaphthalene	-	-	-	-	-	24	mg/kg
1-methylnaphthalene	-	-	-	-	-	18	mg/kg
Acenaphthene	-	-	-	-	-	360	mg/kg
Fluorene	-	-	-	-	-	240	mg/kg
Anthracene	-	-	-	-	-	1800	mg/kg
Fluoranthene	-	-	-	-	-	240	mg/kg
Pyrene	-	-	-	-	-	180	mg/kg
Benzo(a)anthracene	-	-	-	-	-	1.1	mg/kg
Chrysene	-	-	-	-	-	110	mg/kg
Benzo(b)fluoranthene	-	-	-	-	-	1.1	mg/kg
Benzo(k)fluoranthene	-	-	-	-	-	11	mg/kg
Benzo(a)pyrene	-	-	-	-	-	0.11	mg/kg
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	1.1	mg/kg
Dibenz(a,h)anthracene	-	-	-	-	-	0.11	mg/kg

Notes:

PID - Photoionization Detector

SAR - Sodium Adsorption Ratio

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

EXT - Extended

NA - Not Applicable

BG - Background

ppm - parts per million

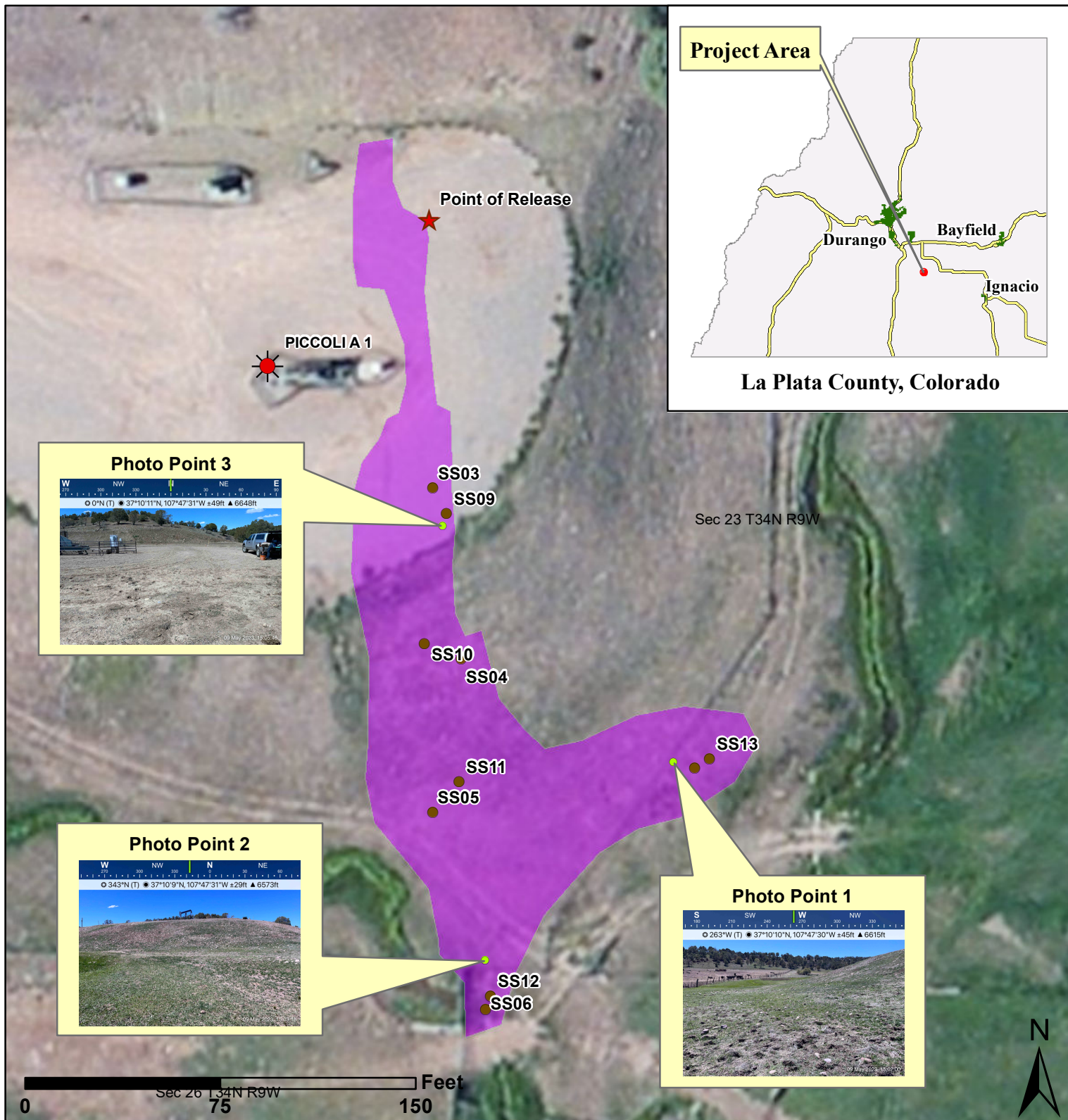
bgs - below ground surface

mmhos/cm - millihos per centimeter

mg/L - milligrams per liter

mg/kg - milligrams per kilogram

FIGURE 1



Notes: SS01-SS08 collected 1/24/2022. SS09-SS12 collected 5/9/2023. SS08 collected as a background sample. Wet area and point of release mapped by Simcoe LLC on 1/11/2022.

Legend

- Oil & Gas Well
- Point of Release (mapped by Simcoe LLC 1/11/2022)
- Soil Sample
- Photo Point
- Approximate Wet Area (mapped by Simcoe LLC 1/11/2022)

Cottonwood
CONSULTING

Mapping by: E. Millar, 5/31/2023
Coordinate System:
NAD 1983 UTM Zone 13 N

Location: SWSE Sec 23 T34N R9W NMPM

**Piccoli A #1
Project Map
Simcoe LLC**

ATTACHMENT 1



Photo 1: Piccoli A#1 well sign, 5/9/2023.

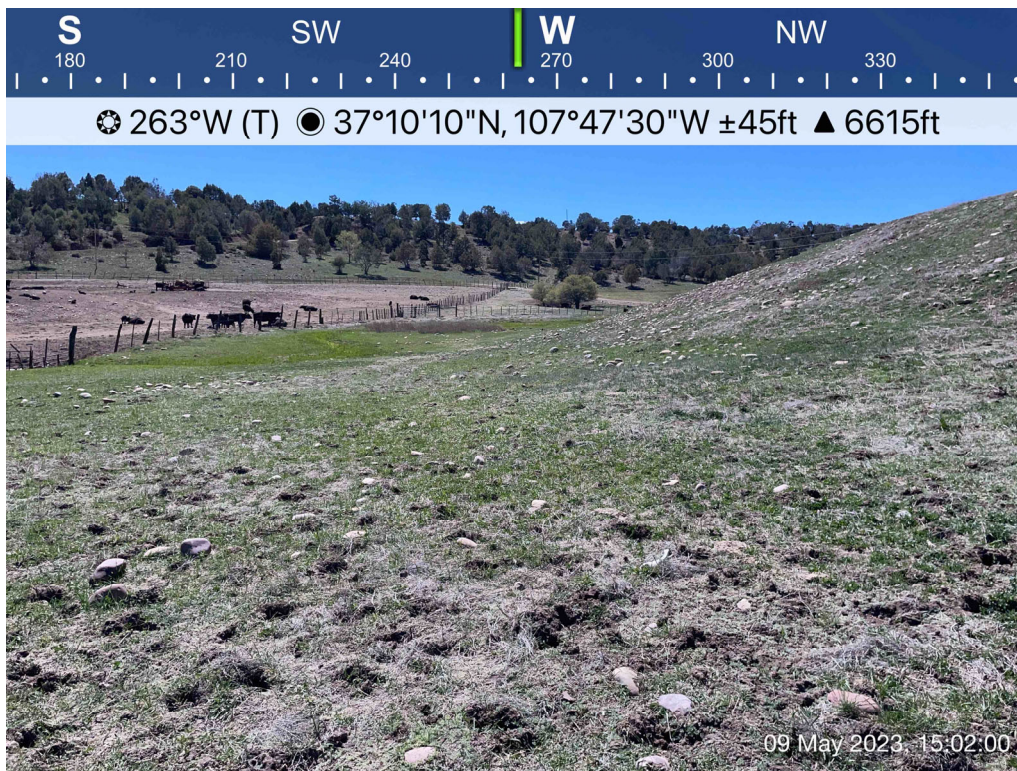


Photo 2: Photo point 1, 5/9/2023.

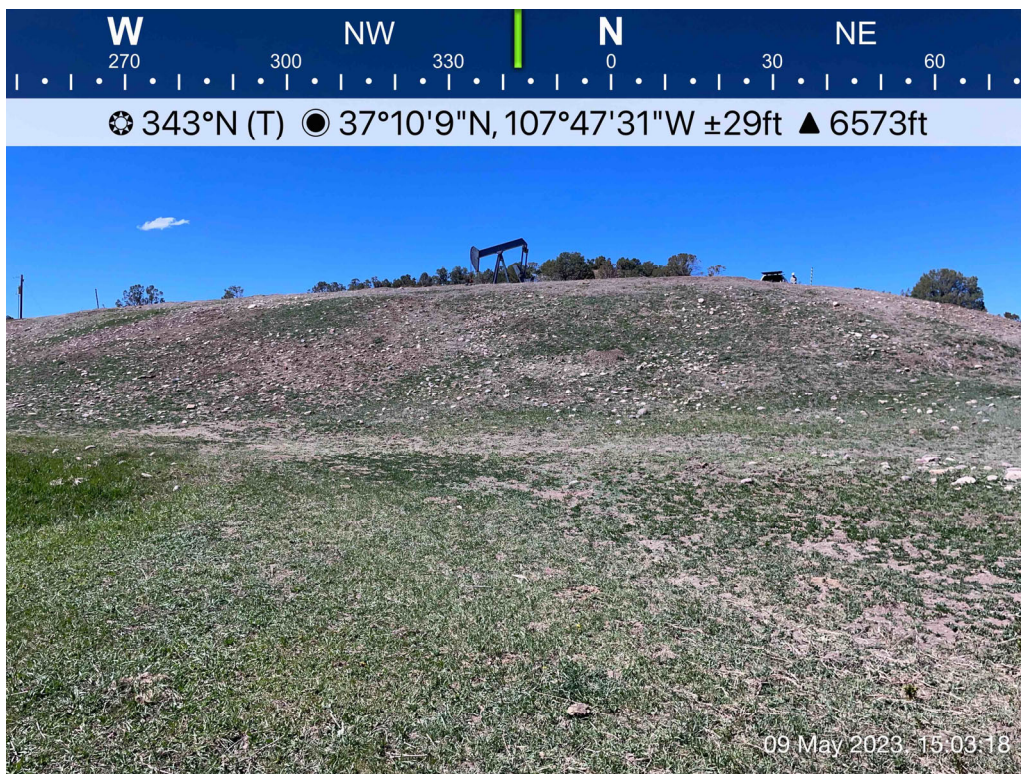


Photo 3: Photo point 2, 5/9/2023.



Photo 4: Photo point 3, 5/9/2023.

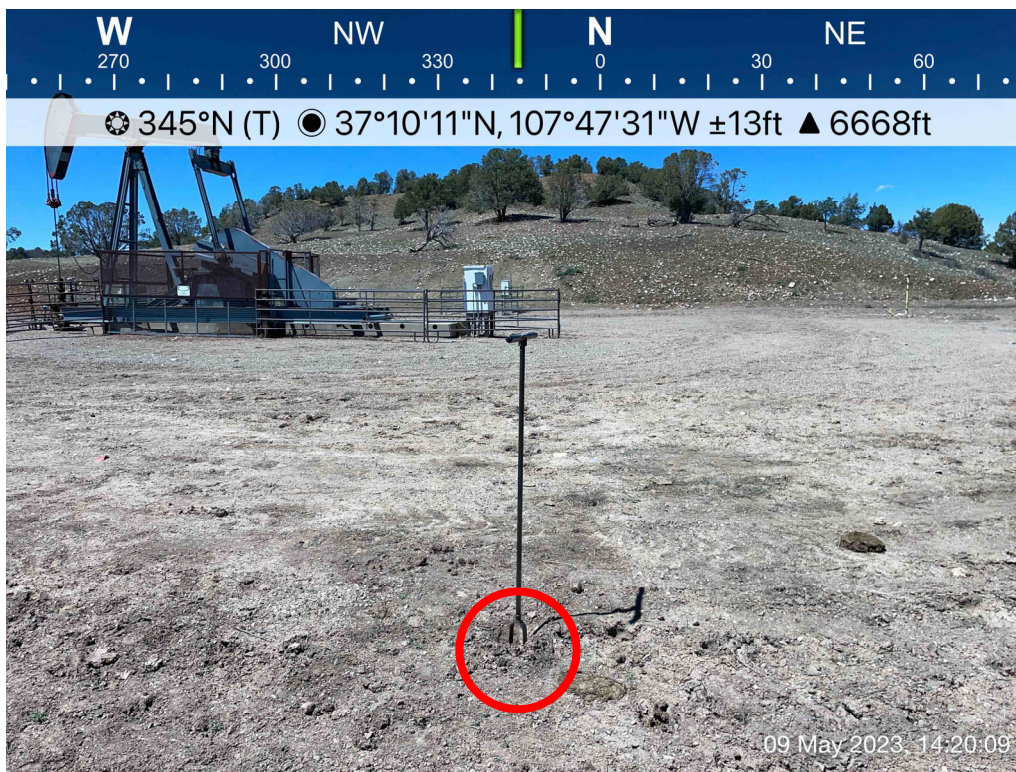


Photo 5: SS09 collected from the well pad within the flow path, 5/9/2023.

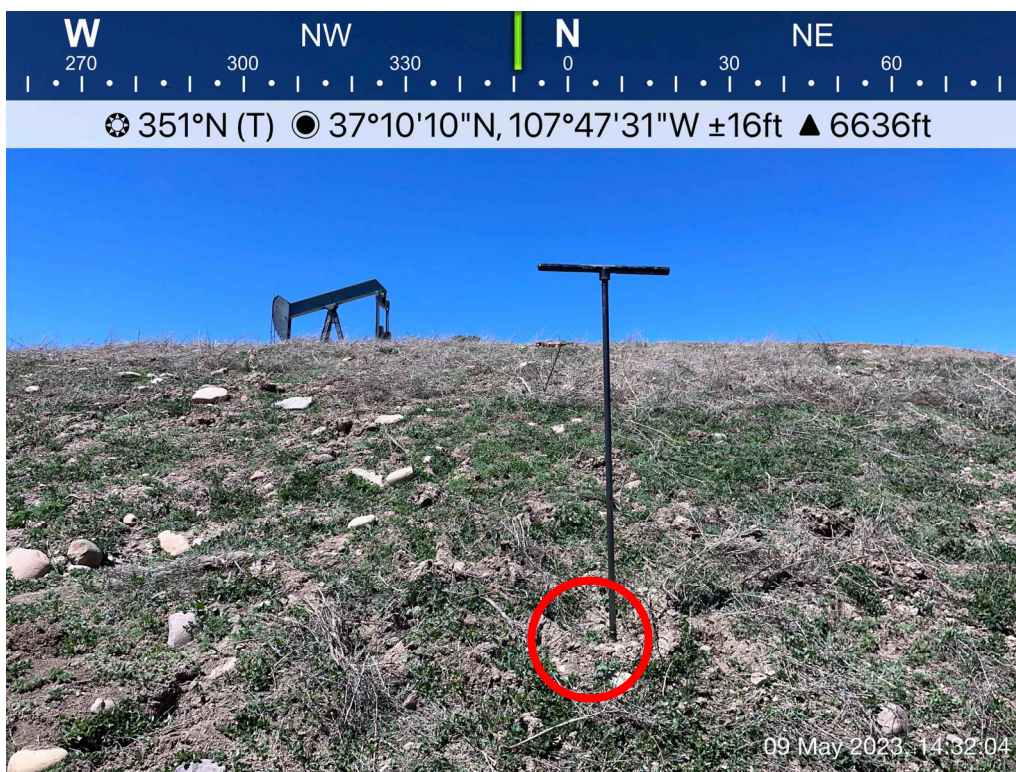


Photo 6: SS10 collected on the fill slope within the flow path, 5/9/2023.

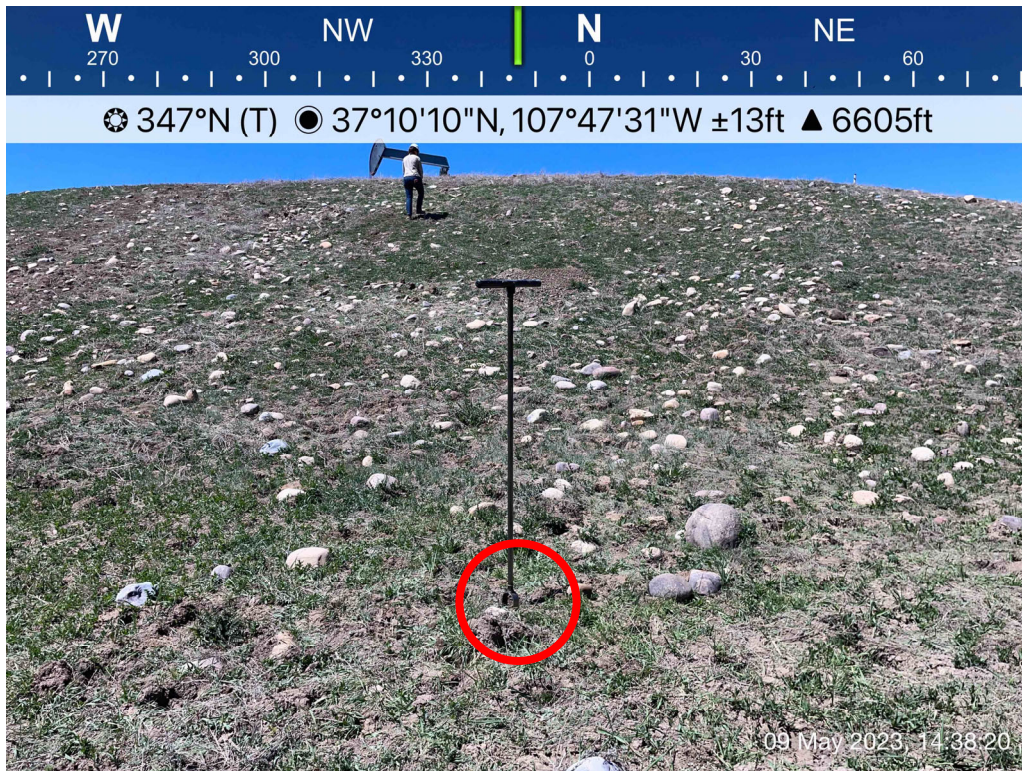


Photo 7: SS11 collected from the base of the fill slope within the flow path, 5/9/2023.



Photo 8: SS12 collected immediately upgradient of the culvert within the flow path, 5/9/2023.

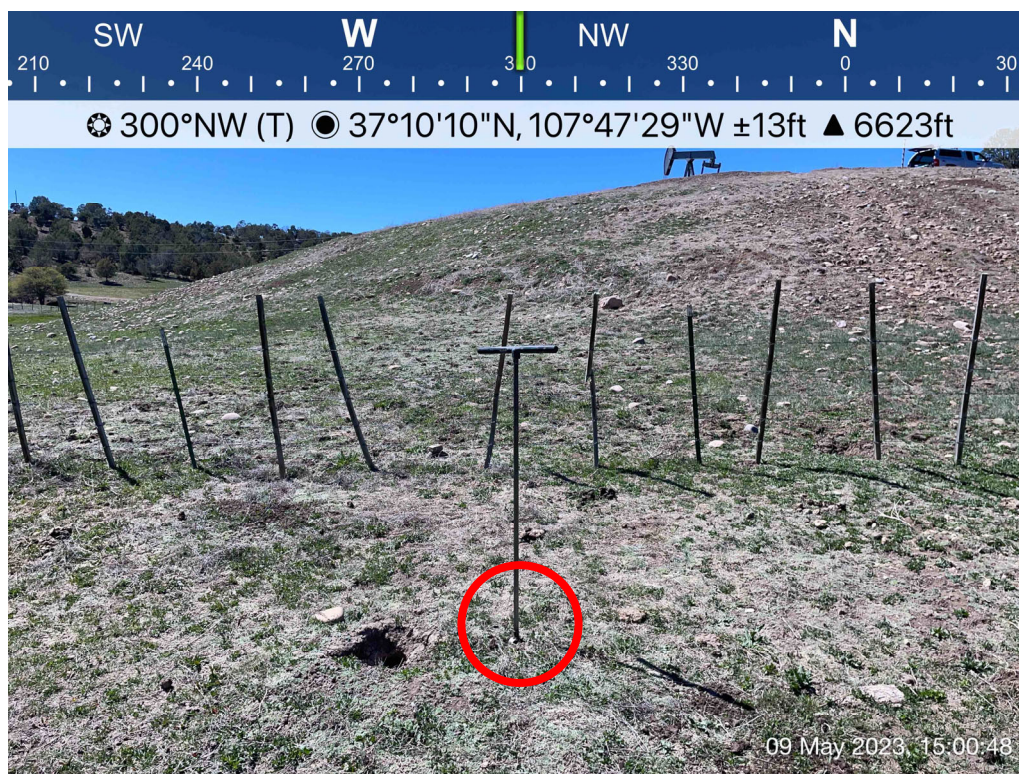


Photo 9: SS13 collected from field within the flow path, 5/9/2023.

ATTACHMENT 2



75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

25 May 2023

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
RE: Piccoli A #1

Enclosed are the results of analyses for samples received by the laboratory on 05/09/23 15:41. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jeremy D. Allen', is written in a cursive style.

Jeremy D Allen
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: T104704514-23-17

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: T104704398-23-16



jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: SAR, PAH, and Hexachrome
Project Name / Number: Piccoli A #1
Project Manager: Kyle Siesser

Reported:
05/25/23 13:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SS09	2305125-01	Solid	05/09/23 14:15	05/09/23 15:41	
SS10	2305125-02	Solid	05/09/23 14:25	05/09/23 15:41	
SS11	2305125-03	Solid	05/09/23 14:35	05/09/23 15:41	
SS12	2305125-04	Solid	05/09/23 14:45	05/09/23 15:41	
SS13	2305125-05	Solid	05/09/23 14:55	05/09/23 15:41	

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: SAR, PAH, and Hexachrome
Project Name / Number: Piccoli A #1
Project Manager: Kyle Siesser

Reported:
05/25/23 13:48

SS09

2305125-01 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Hexavalent Chromium	<0.250	0.250	0.191	mg/kg dry	25	05/24/23 13:21	3060A/3500-Cr B		CAI
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Saturated Paste Extraction

Calcium	45.3	0.100	0.058	mg/L	1	05/19/23 15:35	EPA200.7		AES
Magnesium	7.80	0.100	0.065	mg/L	1	05/19/23 15:36	EPA200.7		AES
pH	7.99			pH Units	1	05/18/23 09:02	ASA#9 10-3.2		KRW
SAR	2.22			No Unit	1	05/19/23 15:35	Calculation		AES
Sodium	61.4	1.00	0.079	mg/L	1	05/19/23 15:35	EPA200.7		AES

Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	05/19/23 16:48	EPA200.7		AES
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Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: SAR, PAH, and Hexachrome
Project Name / Number: Piccoli A #1
Project Manager: Kyle Siesser

Reported:
05/25/23 13:48

SS10

2305125-02 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Hexavalent Chromium	<0.250	0.250	0.191	mg/kg dry	25	05/24/23 13:21	3060A/3500-Cr B		CAI
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Saturated Paste Extraction

Calcium	24.0	0.100	0.058	mg/L	1	05/19/23 15:38	EPA200.7		AES
Magnesium	4.39	0.100	0.065	mg/L	1	05/19/23 15:38	EPA200.7		AES
pH	8.01			pH Units	1	05/18/23 09:02	ASA#9 10-3.2		KRW
SAR	5.86			No Unit	1	05/19/23 15:38	Calculation		AES
Sodium	119	1.00	0.079	mg/L	1	05/19/23 15:38	EPA200.7		AES

Hot Water Extractable

Boron	1.53	1.20	0.568	mg/L	4	05/19/23 16:51	EPA200.7		AES
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Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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PO Box 1653
Durango CO, 81302

Project: SAR, PAH, and Hexachrome
Project Name / Number: Piccoli A #1
Project Manager: Kyle Siesser

Reported:
05/25/23 13:48

SS11

2305125-03 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Hexavalent Chromium	<0.250	0.250	0.191	mg/kg dry	25	05/24/23 13:21	3060A/3500-Cr B		CAI
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Saturated Paste Extraction

Calcium	40.5	0.100	0.058	mg/L	1	05/19/23 15:41	EPA200.7		AES
Magnesium	8.23	0.100	0.065	mg/L	1	05/19/23 15:41	EPA200.7		AES
pH	7.89			pH Units	1	05/18/23 09:02	ASA#9 10-3.2		KRW
SAR	4.23			No Unit	1	05/19/23 15:41	Calculation		AES
Sodium	113	1.00	0.079	mg/L	1	05/19/23 15:41	EPA200.7		AES

Hot Water Extractable

Boron	1.31	1.20	0.568	mg/L	4	05/19/23 16:53	EPA200.7		AES
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Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: SAR, PAH, and Hexachrome
Project Name / Number: Piccoli A #1
Project Manager: Kyle Siesser

Reported:
05/25/23 13:48

SS12

2305125-04 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Hexavalent Chromium	<0.250	0.250	0.191	mg/kg dry	25	05/24/23 13:21	3060A/3500-Cr B		CAI
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Saturated Paste Extraction

Calcium	161	0.200	0.116	mg/L	2	05/19/23 15:43	EPA200.7		AES
Magnesium	20.6	0.200	0.131	mg/L	2	05/19/23 15:43	EPA200.7		AES
pH	7.31			pH Units	1	05/18/23 09:02	ASA#9 10-3.2		KRW
SAR	1.08			No Unit	1	05/19/23 15:43	Calculation		AES
Sodium	55.0	2.00	0.159	mg/L	2	05/19/23 15:43	EPA200.7		AES

Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	05/19/23 16:56	EPA200.7		AES
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Project: SAR, PAH, and Hexachrome
Project Name / Number: Piccoli A #1
Project Manager: Kyle Siesser

Reported:
05/25/23 13:48

SS13

2305125-05 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Hexavalent Chromium	<0.250	0.250	0.191	mg/kg dry	25	05/24/23 13:21	3060A/3500-Cr B		CAI
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Saturated Paste Extraction

Calcium	81.3	0.200	0.116	mg/L	2	05/19/23 15:46	EPA200.7		AES
Magnesium	13.4	0.200	0.131	mg/L	2	05/19/23 15:46	EPA200.7		AES
pH	7.90			pH Units	1	05/18/23 09:02	ASA#9 10-3.2		KRW
SAR	4.47			No Unit	1	05/19/23 15:46	Calculation		AES
Sodium	165	2.00	0.159	mg/L	2	05/19/23 15:46	EPA200.7		AES

Hot Water Extractable

Boron	<1.20	1.20	0.568	mg/L	4	05/19/23 16:58	EPA200.7		AES
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Project: SAR, PAH, and Hexachrome
Project Name / Number: Piccoli A #1
Project Manager: Kyle Siesser

Reported:
05/25/23 13:48

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B231262 - General Prep - Wet Chem

Blank (B231262-BLK1)

Prepared: 05/16/23 Analyzed: 05/24/23

Hexavalent Chromium	ND	0.250	mg/kg dry							
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LCS (B231262-BS1)

Prepared: 05/16/23 Analyzed: 05/24/23

Hexavalent Chromium	2.14	0.250	mg/kg dry	2.50		85.7	85-115			
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Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B231297 - Paste Extract

Blank (B231297-BLK1)

Prepared: 05/18/23 Analyzed: 05/19/23

Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
SAR	0.00		No Unit							
Sodium	ND	1.00	mg/L							

Hot Water Extractable - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B231294 - General Prep-SOILS

Blank (B231294-BLK1)

Prepared: 05/18/23 Analyzed: 05/19/23

Boron	ND	1.20	mg/L							
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Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Durango CO, 81302

Project: SAR, PAH, and Hexachrome
Project Name / Number: Piccoli A #1
Project Manager: Kyle Siesser

Reported:
05/25/23 13:48

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
*Results reported on as received basis unless designated as dry.
RPD Relative Percent Difference
LCS Laboratory Control Sample (Blank Spike)
RL Report Limit
MDL Method Detection Limit

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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(970) 247-4220 service@greenanalytical.com or dzufel@greenanalytical.com
Fax: (970) 247-4227 75 Suttle St Durango, CO 81303

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Cottonwood Consulting LLC

Project Manager: Kyle Siesser

Address: PO Box 1653

City: Durango

Phone #: 970-764-7356

Additional Report To:

Project Name: Piccoli A #1

Project Number:

Sampler Name (Print): Kyle Siesser

FOR LAB USE ONLY

Bill to (if different):

P.O. #:

Company:

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax or Email:

ANALYSIS REQUEST

Lab I.D.	Sample Name or Location	Collected		Matrix (check one)		# of containers						ANALYSIS REQUEST							
		Date	Time	GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	No preservation (general)	HNO ₃	HCl	H ₂ SO ₄	Other:	Other:	PH	SAR	chromium (vi)	boron
2305-126-125	341	5/9/23	1415					X								X	X	X	X
01	SS09							X								X	X	X	X
02	SS10							X								X	X	X	X
03	SS11							X								X	X	X	X
04	SS12							X								X	X	X	X
05	SS13							X								X	X	X	X

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 5/9/23

Received By:

ADDITIONAL REMARKS:

Report to State? (Circle)

Yes

No

Relinquished By:

Date: 5/9/23

Received By:

Relinquished By:

Date: 5/9/23

Received By:

Delivered By: (Circle One)

Date: 5/9/23

Received By:

Temperature at receipt:

CHECKED BY:

Sampler: UPS - FedEx - Kangaroo - Other:

Date: 5/9/23

Received By:

Temperature at receipt:

CHECKED BY:

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood Consulting

Work Order # 285-125

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo

Custody Seals on Box/Cooler Present: ☐ Yes ☒ No

Seals Intact: ☐ Yes ☐ No

Thermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ No

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: Observed Temp: 17.9 °C Correction Factor: 0 °C Final Temp: 17.9 °C

* Temp should be above freezing to 6°C

Date/Initials of person
examining contents: MW 5/9/23

Labeled by Initials: _____
(if different than above)

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Samples arrived within hold time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Dissolved Testing Needed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11.
Field Filtered: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Sample Labels match COC: -Includes Date/Time/ID	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Matrix:	<input checked="" type="checkbox"/> WT <input type="checkbox"/> SL <input type="checkbox"/> OT	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/Resolution:

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

