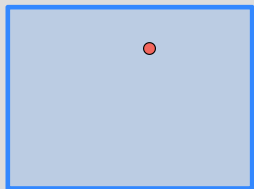
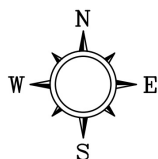


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Latitude: 40.099394
Longitude: -104.983999

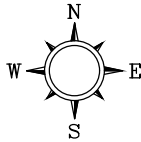
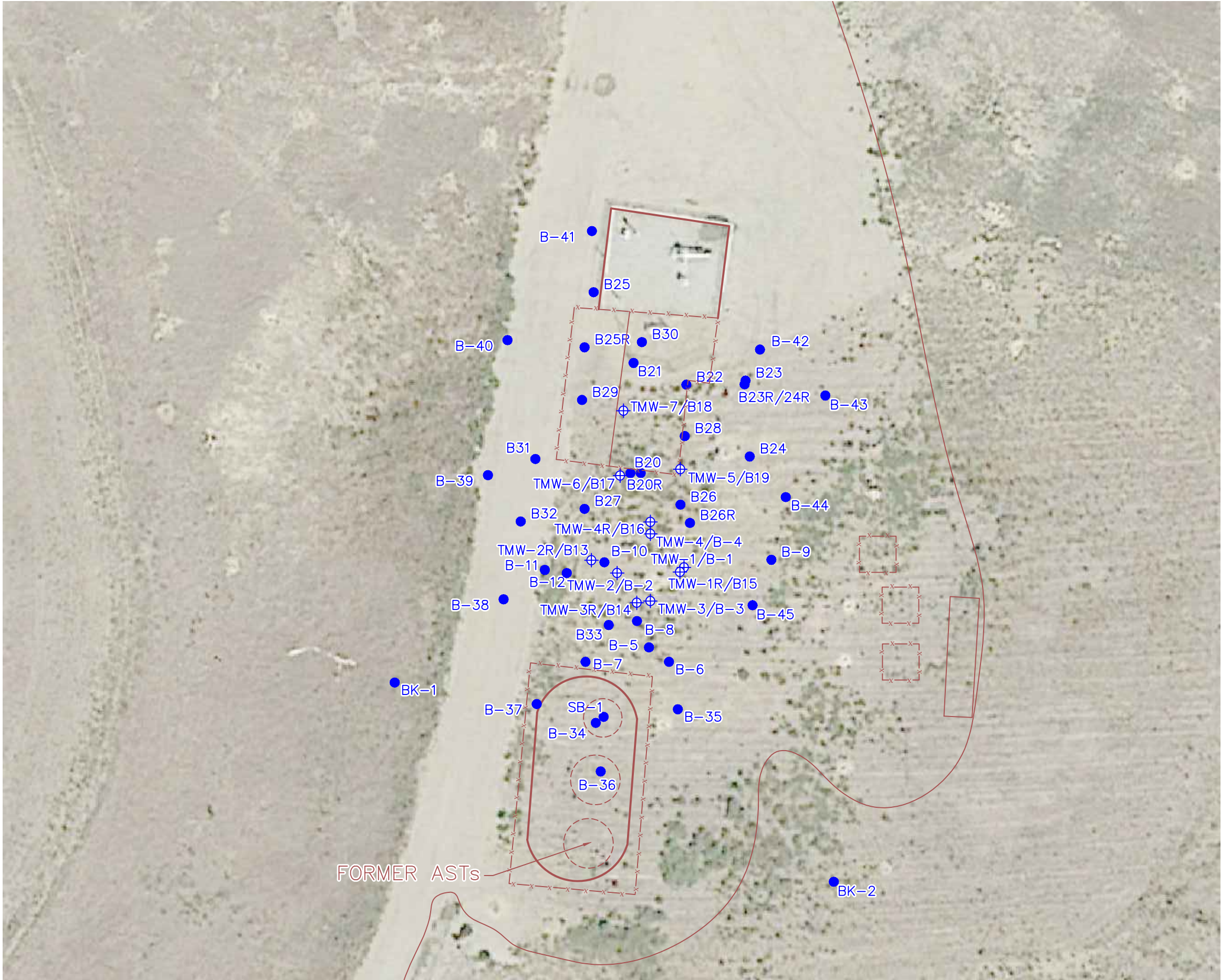


Crestone Peak Resources
Billings

**FIGURE 1
SITE LOCATION MAP**

40.099394, -104.983999
Frederick, Colorado

FILENAME	DRAWN BY	CHECKED BY	APPROVED BY	PROJECT BILLINGS
BILLINGS_2103_1_NEW.DWG	ICD	10/13/2021		NUMBER



LEGEND

- TMW-1/⊕
B-1
B-5 ● TEMPORARY MONITORING WELL LOCATION
- SOIL BORING LOCATION
- x—x—x—x—x— FORMER BERM
- x—x—x—x—x— FORMER FENCE

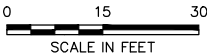


FIGURE 2
SITE MAP

BILLINGS
40.099394, -104.983999
WELD COUNTY, COLORADO

PROJECT BILLINGS
NUMBER

APPROVED BY

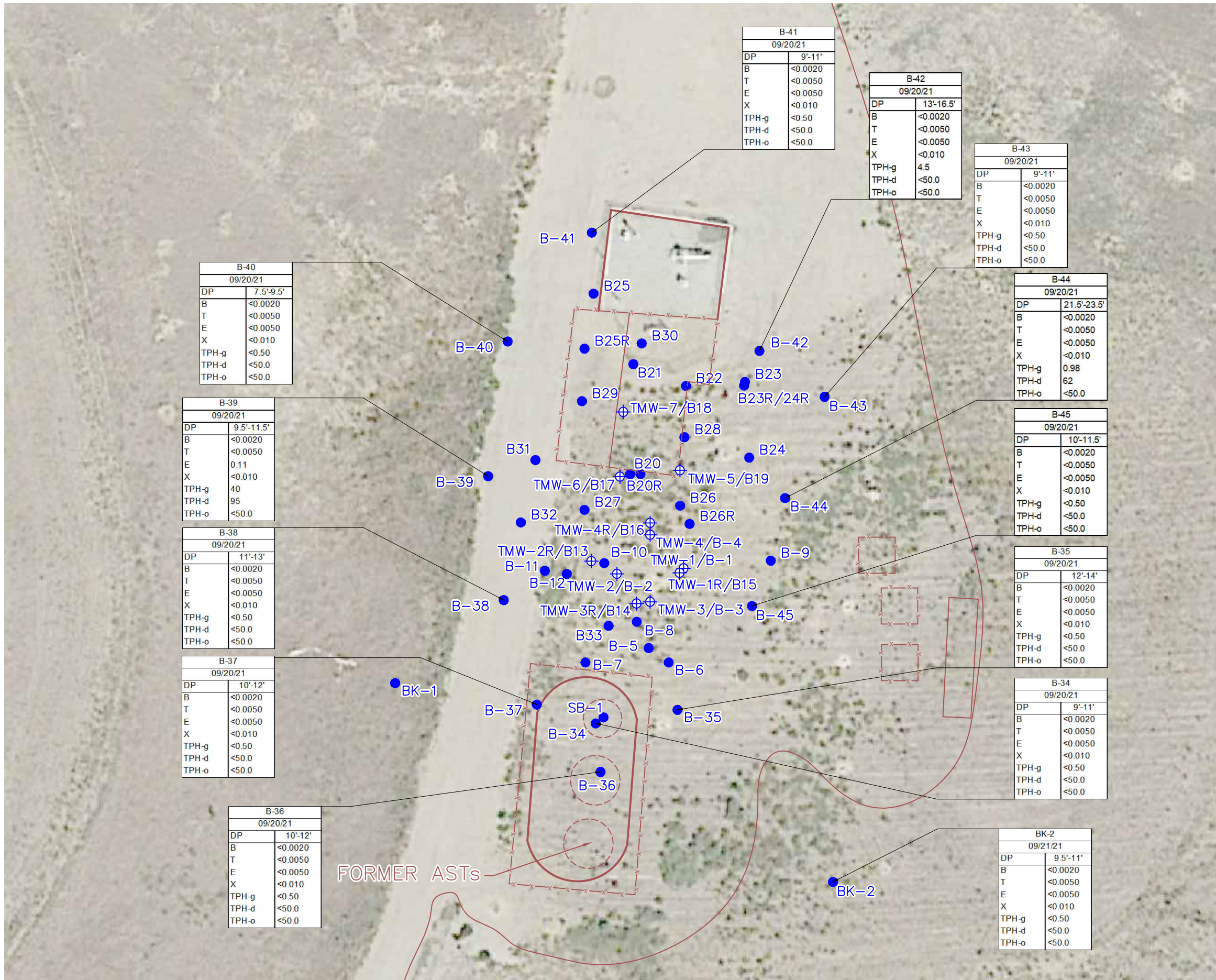
CHECKED BY

DRAWN BY

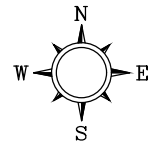
FILENAME
BILLINGS_2103_1_NEW.DWG

10/13/2021

10/13/2021



SOURCE: 2019 AERIAL PHOTOGRAPHY; © GOOGLE



LEGEND

- TMW-1/⊕: TEMPORARY MONITORING WELL LOCATION
- B-1: SOIL BORING LOCATION
- B-5: FORMER BERM
- x—x—x—x—: FORMER FENCE
- B: BENZENE (mg/kg)
- T: TOLUENE (mg/kg)
- E: ETHYLBENZENE (mg/kg)
- X: TOTAL XYLENES (mg/kg)
- TPH-g: TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (mg/kg)
- TPH-d: TOTAL PETROLEUM HYDROCARBONS AS DIESEL (mg/kg)
- TPH-o: TOTAL PETROLEUM HYDROCARBONS AS OIL (mg/kg)
- mg/kg: MILLIGRAMS PER KILOGRAM
- <: NOT DETECTED ABOVE LIMIT NOTED
- DP: DEPTH (FEET)

0 15 30
SCALE IN FEET



FIGURE 3
SOIL SAMPLE LOCATION MAP
SEPTEMBER 2021

BILLINGS
40.099394, -104.983999
WELD COUNTY, COLORADO

**TABLE 1 - SOIL ANALYTICAL RESULTS (TPH+VOC)
CRESTONE PEAK RESOURCES**

Billings

Sample ID	Date	Depth Range (ft)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total TPH (mg/Kg)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Naphthalene (mg/kg)
COGCC Table 915-1 Limit				1.2	490	5.8	58	500	30	27	2
SB-01	5/31/19	2.5-5	1447	0.651	0.056	0.548	5.02	134	NA	NA	NA
B-1	8/12/19	11-12	1122	0.00845	<0.005	0.0430	0.0553	331	NA	NA	NA
B-2	8/12/19	8-9	562	<0.001	<0.005	0.00490	<0.0065	413	NA	NA	NA
B-3	8/12/19	9-10	497	<0.004	<0.02	0.251	<0.0260	1,163	NA	NA	NA
B-4	8/12/19	8-9	1520	<0.001	<0.005	0.142	<0.0065	489	NA	NA	NA
B-5	8/12/19	13-14	700	0.00445	<0.005	0.51400	0.02360	158	NA	NA	NA
B-6	8/12/19	20-21	0	<0.001	<0.005	0.00250	0.00650	<4.00	NA	NA	NA
B-7	8/12/19	10-11	245	<0.001	<0.005	<0.0025	0.00650	166	NA	NA	NA
B-8	8/12/19	9-10	1010	<0.001	<0.005	0.26700	<0.0065	272.5	NA	NA	NA
B-9	8/12/19	23-24	0	<0.001	<0.005	<0.0025	<0.0065	<4.0	NA	NA	NA
B-10	8/12/19	10-11	980	<0.008	<0.04	<0.02	<0.052	587	NA	NA	NA
B-10	8/12/19	19-20	160	<0.001	<0.005	<0.0025	0.00650	41.7	NA	NA	NA
B-11	8/12/19	10-11	925	<0.001	<0.005	0.0104	0.0276	389.9	NA	NA	NA
B-11	8/12/19	17-18	346	<0.001	<0.005	0.01890	<0.0065	69.8	NA	NA	NA
B-12	8/12/19	9-10	924	<0.001	<0.005	0.00281	<0.0065	245.3	NA	NA	NA
B13 (8.5-9')	1/4/21	8.5-9	724	<0.00400	<0.0200	1.31	0.0944	827	NA	NA	NA
B13 (15')	1/4/21	15	0	<0.00100	<0.00500	<0.00250	<0.00650	<4.00	NA	NA	NA
B14 (9')	1/4/21	9	278.6	<0.00400	<0.0200	0.749	<0.0260	434	NA	NA	NA
B14 (17')	1/4/21	17	0.5	<0.00100	<0.00500	<0.00250	<0.00650	<4.00	NA	NA	NA
B15 (11.5-12')	1/4/21	11.5-12	533	0.02370	<0.0100	0.340	0.01950	136.5	NA	NA	NA
B15 (15')	1/4/21	15	1.3	<0.00100	<0.00500	<0.00250	<0.00650	<4.00	NA	NA	NA
B16 (9')	1/4/21	9	650	<0.0200	<0.100	0.840	<0.130	1,688	NA	NA	NA
B16 (14')	1/4/21	14	0.1	0.0500	<0.00500	0.0404	0.0170	<4.00	NA	NA	NA
B17 (11')	1/4/21	11	883.1	<0.0400	<0.200	3.17	<0.260	2,416	NA	NA	NA
B17 (19')	1/4/21	19	7.1	<0.00100	<0.00500	0.00795	<0.00650	<4.00	NA	NA	NA
B18 (8.5')	1/4/21	8.5	316.1	<0.0200	<0.100	0.230	0.806	1,799	NA	NA	NA
B18 (17')	1/4/21	17	179.5	<0.00100	<0.00500	0.00295	<0.00650	<4.00	NA	NA	NA
B18 (20')	1/4/21	20	137.6	<0.00100	<0.00500	<0.00250	<0.00650	<4.00	NA	NA	NA
B19 (11')	1/4/21	11	1207	<0.00400	0.0200	3.93	<0.0260	706	NA	NA	NA
B19 (20')	1/4/21	20	1.3	<0.00100	<0.00500	<0.00250	<0.00650	<4.00	NA	NA	NA
B20 (25.5')	4/12/21	25.5	1605	<0.050	<0.050	<0.050	<0.050	258	NA	NA	NA
B20 (29')	4/12/21	29	200	<0.050	<0.050	0.608	<0.050	228	NA	NA	NA
B21 (10')	4/12/21	10	207	<0.050	<0.050	<0.050	<0.050	548	NA	NA	NA
B21 (17')	4/12/21	17	5.4	<0.050	<0.050	<0.050	<0.050	<50.0	NA	NA	NA
B22 (16')	4/13/21	16	1341	<0.050	<0.050	<0.050	<0.050	<50.0	NA	NA	NA
B22 (17')	4/13/21	17	151	<0.050	<0.050	<0.050	<0.050	<50.0	NA	NA	NA
B23 (15')	4/13/21	15	222	<0.050	<0.050	<0.050	<0.050	<50.0	NA	NA	NA
B24 (25')	4/13/21	25	739	<0.050	<0.050	<0.050	<0.050	242.1	NA	NA	NA
B24 (32')	4/13/21	32	0.1	<0.050	<0.050	<0.050	<0.050	<50.0	NA	NA	NA
B25 (22')	4/12/21	22	569	<0.050	<0.050	<0.050	<0.050	<50.0	NA	NA	NA
B25 (27')	4/12/21	27	16.4	<0.050	<0.050	<0.050	<0.050	<50.0	NA	NA	NA

**TABLE 1 - SOIL ANALYTICAL RESULTS (TPH+VOC)
CRESTONE PEAK RESOURCES
Billings**

Sample ID	Date	Depth Range (ft)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total TPH (mg/Kg)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Naphthalene (mg/kg)
COGCC Table 915-1 Limit				1.2	490	5.8	58	500	30	27	2
B26 (24')	4/13/21	24	604	<0.050	<0.050	<0.050	<0.050	<50.0	NA	NA	NA
B26 (25')	4/13/21	25	0.6	<0.050	<0.050	<0.050	<0.050	<50.0	NA	NA	NA
B27 (7.5')	5/19/21	7.5	1529	<0.050	<0.050	0.625	<0.050	159	0.076	<0.050	<1.5
B27 (14')	5/19/21	14	7.0	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	<1.0
B28 (10')	5/19/21	10	373	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	<1.0
B28 (18')	5/19/21	18	4.7	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	<1.0
B29 (17')	5/19/21	17	693	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	<1.0
B29 (19')	5/19/21	19	0.8	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	<1.0
B30 (11.5')	5/19/21	11.5	387	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	<1.0
B30 (17')	5/19/21	17	4.9	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	<1.0
B31 (10')	5/19/21	10	286	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	0.385	<1.0
B31 (15')	5/19/21	15	2.2	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	<1.0
B32 (8.5')	5/19/21	8.5	574	<0.050	<0.050	<0.050	<0.050	138	<0.050	<0.050	<1.0
B32 (15.5')	5/19/21	15.5	1.4	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	<1.0
B20R (10')	5/25/21	10	1072	<0.0020	<0.0050	3.2	0.73	240	2.1	0.33	0.35
B20R (8.5'-9.5')	6/30/21	8.5-9.5	1242	<0.0010	<0.0050	1.12	2.11	525.4	10.7	1.13	1.03
B20R (17'-18')	6/30/21	17-18	120	<0.0010	<0.0050	0.00660	0.00650	5.87	<0.0050	0.0157	0.0246
B23R (14'-15')	6/30/21	14-15	384	<0.0010	<0.0050	0.00320	0.00850	44.11	0.00665	0.02150	<0.0200
B23R (16'-17')	6/30/21	16-17	57	<0.0010	<0.0050	<0.00250	<0.00650	<4.00	<0.0050	<0.0050	<0.0200
B24R (14'-15')	6/30/21	14-15	0	<0.0010	<0.0050	<0.00250	<0.00650	<4.00	<0.0050	<0.0050	<0.0200
B25R (9.5'-10.5')	6/30/21	9.5-10.5	103.4	<0.0010	<0.0050	0.135	0.0835	280.4	3.30	2.36	0.118
B25R (15'-16')	6/30/21	15-16	244	<0.0010	<0.0050	<0.00250	<0.00650	123.57	<0.0050	0.0423	0.0669
B26R (10.5'-12.5')	6/30/21	10.5-12.5	375	0.0834	<0.0050	0.764	<0.00650	48.77	0.981	3.36	0.118
B26R (15'-16')	6/30/21	15-16	4.9	<0.0010	<0.0050	0.00305	<0.00650	<4.00	0.0194	<0.0050	<0.0200
B33 (8.5'-10.5')	6/30/21	8.5-10.5	612	<0.0010	<0.0050	<0.00250	<0.00650	25.75	<0.0050	<0.0050	<0.0200
B33 (13'-15')	6/30/21	13-15	11.7	<0.0010	<0.0050	<0.00250	<0.00650	<4.00	<0.0050	<0.0050	<0.0200
BK-1 (14'-15')	6/30/21	14-15	0	<0.0010	<0.0050	<0.00250	<0.00650	<4.00	<0.0050	<0.0050	<0.0200
BK-2 (9.5-11)	9/21/21	9.5-11	0	<0.0020	<0.0050	<0.0050	<0.010	<50.0	<0.0050	<0.0050	<0.0038
B34 (9-11)	9/20/21	9-11	0	<0.0020	<0.0050	<0.0050	<0.010	<50.0	<0.0050	<0.0050	<0.0038
B35 (12-14)	9/20/21	12-14	0	<0.0020	<0.0050	<0.0050	<0.010	<50.0	<0.0050	<0.0050	<0.0038
B36 (10-12)	9/20/21	10-12	0	<0.0020	<0.0050	<0.0050	<0.010	<50.0	<0.0050	<0.0050	<0.0038
B37 (10-12)	9/20/21	10-12	0	<0.0020	<0.0050	<0.0050	<0.010	<50.0	<0.0050	<0.0050	<0.0038
B38 (11-13)	9/20/21	11-13	0	<0.0020	<0.0050	<0.0050	<0.010	<50.0	<0.0050	<0.0050	<0.0038
B39 (9.5-11.5)	9/20/21	9.5-11.5	436	<0.0020	<0.0050	0.11	<0.010	135	0.16	0.21	0.0042
B40 (7.5-9.5)	9/20/21	7.5-9.5	0	<0.0020	<0.0050	<0.0050	<0.010	<50.0	<0.0050	<0.0050	<0.0038
B41 (9-11)	9/20/21	9-11	0	<0.0020	<0.0050	<0.0050	<0.010	<50.0	<0.0050	<0.0050	<0.0038
B42 (13-16.5)	9/20/21	13-16.5	224	<0.0020	<0.0050	<0.0050	<0.010	4.5	<0.0050	0.030	<0.0038
B43 (9-11)	9/20/21	9-11	0	<0.0020	<0.0050	<0.0050	<0.010	<50.0	<0.0050	<0.0050	<0.0038
B44 (21.5-23.5)	9/20/21	21.5-23.5	1204	<0.0020	<0.0050	<0.0050	<0.010	62.98	<0.0050	<0.0050	<0.0038
B45 (10-11.5)	9/20/21	10-11.5	0	<0.0020	<0.0050	<0.0050	<0.010	<50.0	<0.0050	<0.0050	<0.0038

NOTES:

mg/Kg - milligrams per kilogram

BOLD - indicates result exceeds the applicable standard

< - indicates result is less than the stated laboratory reporting limit

NA - Not Measured/Analyzed

COGCC Table 915-1 - Colorado Oil and Gas Conservation Commission Table 915-1

Benzene, toluene, ethylbenzene, total xylenes and TPH-GRO analyzed by EPA Method 8260B.

TPH-DRO was analyzed by EPA Method 8015.

TABLE 2 - SOIL ANALYTICAL RESULTS (PAH)
CRESTONE PEAK RESOURCES
Billings

Sample ID	Date	Depth Range (ft)	1-Methylnaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-C,D)-pyrene (mg/kg)	Pyrene (mg/kg)
COGCC Table 915-1 Limit			18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180
SB-01	5/31/19	2.5-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-1	8/12/19	11-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-2	8/12/19	8-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-3	8/12/19	9-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-4	8/12/19	8-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-5	8/12/19	13-14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-6	8/12/19	20-21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-7	8/12/19	10-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-8	8/12/19	9-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-9	8/12/19	23-24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-10	8/12/19	10-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-10	8/12/19	19-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-11	8/12/19	10-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-11	8/12/19	17-18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-12	8/12/19	9-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B13 (8.5-9')	1/4/21	8.5-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B13 (15')	1/4/21	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14 (9')	1/4/21	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14 (17')	1/4/21	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B15 (11.5-12')	1/4/21	11.5-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B15 (15')	1/4/21	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B16 (9')	1/4/21	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B16 (14')	1/4/21	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B17 (11')	1/4/21	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B17 (19')	1/4/21	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B18 (8.5')	1/4/21	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B18 (17')	1/4/21	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B18 (20')	1/4/21	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B19 (11')	1/4/21	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B19 (20')	1/4/21	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B20 (25.5')	4/12/21	25.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B20 (29')	4/12/21	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21 (10')	4/12/21	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21 (17')	4/12/21	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22 (16')	4/13/21	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22 (17')	4/13/21	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B23 (15')	4/13/21	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B24 (25')	4/13/21	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B24 (32')	4/13/21	32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B25 (22')	4/12/21	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B25 (27')	4/12/21	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B26 (24')	4/13/21	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B26 (25')	4/13/21	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B27 (7.5')	5/19/21	7.5	<2.0	<2.0	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B27 (14')	5/19/21	14	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B28 (10')	5/19/21	10	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B28 (18')	5/19/21	18	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B29 (17')	5/19/21	17	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B29 (19')	5/19/21	19	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B30 (11.5')	5/19/21	11.5	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B30 (17')	5/19/21	17	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B31 (10')	5/19/21	10	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B31 (15')	5/19/21	15	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B32 (8.5')	5/19/21	8.5	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B32 (15.5')	5/19/21	15.5	<1.5	<1.5	<1.5	<1.5	<1.0	<0.11	<1.0	<1.5	<1.5	<0.10	<1.5	<1.5	<1.0	<1.5
B20R (10')	5/25/21	10	0.529	1.13	0.0354	0.0408	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0460	<0.00500	<0.00500
B20R (8.5'-9.5')	6/30/21	8.5-9.5	1.030	3.01	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.140	<0.0060	<0.0060
B20R (17-18')	6/30/21	17-18	<0.020	0.0526	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
B23R (14'-15')	6/30/21	14-15	0.0753	0.251	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0185	<0.0060	<0.0060
B23R (16'-17')	6/30/21	16-17	<0.020	<0.020	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
B24R (14'-15')	6/30/21	14-15	<0.020	<0.020	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
B25R (9.5'-10.5')	6/30/21	9.5-10.5	0.238	0.572	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0349	<0.0060	<0.0060
B25R (15'-16')	6/30/21	15-16	0.183	0.639	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0429	<0.0060	<0.0060

TABLE 2 - SOIL ANALYTICAL RESULTS (PAH)
CRESTONE PEAK RESOURCES
Billings

Sample ID	Date	Depth Range (ft)	1-Methylnaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-C,D)-pyrene (mg/kg)	Pyrene (mg/kg)
COGCC Table 915-1 Limit			18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180
B26R (10.5'-12.5')	6/30/21	10.5-12.5	0.0897	0.288	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
B26R (15'-16')	6/30/21	15-16	<0.0200	<0.0200	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
B33 (8.5'-10.5')	6/30/21	8.5-10.5	<0.0200	<0.0200	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.00752	<0.0060	<0.0060
B33 (13'-15')	6/30/21	13-15	<0.0200	<0.0200	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
BK-1 (14'-15')	6/30/21	14-15	<0.0200	<0.0200	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
BK-2 (9.5-11)	9/21/21	9.5-11	1.980	2.68	0.333	<0.0500	0.150	<0.0500	<0.0500	0.199	0.184	<0.0500	0.134	0.625	<0.0500	0.141
B34 (9-11)	9/20/21	9-11	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
B35 (12-14)	9/20/21	12-14	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
B36 (10-12)	9/20/21	10-12	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
B37 (10-12)	9/20/21	10-12	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
B38 (11-13)	9/20/21	11-13	0.0500	0.115	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00657	<0.00500	<0.00500
B39 (9.5-11.5)	9/20/21	9.5-11.5	<0.00500	0.0220	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
B40 (7.5-9.5)	9/20/21	7.5-9.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
B41 (9-11)	9/20/21	9-11	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
B42 (13-16.5)	9/20/21	13-16.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
B43 (9-11)	9/20/21	9-11	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
B44 (21.5-23.5)	9/20/21	21.5-23.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
B45 (10-11.5)	9/20/21	10-11.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

NOTES:

mg/Kg - milligrams per kilogram

BOLD - indicates result exceeds the applicable standard

< - indicates result is less than the stated laboratory reporting limit

NA - Not Measured/Analyzed

COGCC Table 915-1 - Colorado Oil and Gas Conservation Commission Table 915-1

Benzene, toluene, ethylbenzene, total xylenes and TPH-GRO analyzed by EPA Method 8260B.

TPH-DRO was analyzed by EPA Method 8015.

TABLE 3 - SOIL ANALYTICAL RESULTS (Inorganics)
CRESTONE PEAK RESOURCES
Billings

Sample ID	Date	Depth Range (ft)	EC (mmhos/cm)	pH (SU)	SAR	Arsenic	Ba-Barium (mg/kg)	B-Boron (mg/kg)	B-Boron (mg/L) Hot Water Soluble	Cd-Cadmium (mg/kg)	Cu-Copper (mg/kg)	Pb-Lead (mg/kg)	Ni-Nickel (mg/kg)	Zn-Zinc (mg/kg)	Se-Selenium (mg/kg)	Ag-Silver (mg/kg)	Cr VI-Hex Chromium (mg/kg)
COGCC Table 915-1 Limit			<4	6-8.3	<6	0.68	15,000		2	71	3,100	400	1,500	23,000	390	390	0.3
SB-01	5/31/19	2.5-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-1	8/12/19	11-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-2	8/12/19	8-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-3	8/12/19	9-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-4	8/12/19	8-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-5	8/12/19	13-14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-6	8/12/19	20-21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-7	8/12/19	10-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-8	8/12/19	9-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-9	8/12/19	23-24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-10	8/12/19	10-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-10	8/12/19	19-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-11	8/12/19	10-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-11	8/12/19	17-18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-12	8/12/19	9-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B13 (8.5-9')	1/4/21	8.5-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B13 (15')	1/4/21	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14 (9')	1/4/21	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14 (17')	1/4/21	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B15 (11.5-12')	1/4/21	11.5-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B15 (15')	1/4/21	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B16 (9')	1/4/21	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B16 (14')	1/4/21	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B17 (11')	1/4/21	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B17 (19')	1/4/21	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B18 (8.5')	1/4/21	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B18 (17')	1/4/21	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B18 (20')	1/4/21	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B19 (11')	1/4/21	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B19 (20')	1/4/21	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B20 (25.5')	4/12/21	25.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B20 (29')	4/12/21	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21 (10')	4/12/21	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21 (17')	4/12/21	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22 (16')	4/13/21	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22 (17')	4/13/21	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B23 (15')	4/13/21	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B24 (25')	4/13/21	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B24 (32')	4/13/21	32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B25 (22')	4/12/21	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B25 (27')	4/12/21	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B26 (24')	4/13/21	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B26 (25')	4/13/21	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B27 (7.5')	5/19/21	7.5	6.59	7.5	3.28	5.2	2.21	<2.0	NA	<1.0	8.50	1.80	9.88	32	<5.0	<5.0	<0.30
B27 (14')	5/19/21	14	10.0	7.3	17.8	4.9	6.50	2.02	NA	<1.0	5.80	5.61	3.02	15.3	<5.0	<5.0	<0.30
B28 (10')	5/19/21	10	8.14	7.4	2.20	14	3.08	<2.0	NA	<1.0	1.98	3.47	3.11	8.22	<5.0	<5.0	<0.30
B28 (18')	5/19/21	18	1.84	8.8	6.62	4.9	7.94	<2.0	NA	<1.0	4.64	3.88	4.49	15.9	<5.0	<5.0	<0.30
B29 (17')	5/19/21	17	4.20	8.3	22.2	4.2	4.11	<2.0	NA	<1.0	10.1	5.50	7.55	25.8	<5.0	<5.0	<0.30
B29 (19')	5/19/21	19	2.27	7.7	13.8	4.3	5.58	<2.0	NA	<1.0	3.08	3.77	3.50	11.60	<5.0	<5.0	<0.30
B30 (11.5')	5/19/21	11.5	1.29	7.5	2.16	2.9	3.60	<2.0	NA	<1.0	11.2	6.24	2.81	16.5	<5.0	<5.0	<0.30
B30 (17')	5/19/21	17	1.40	7.8	3.72	2.4	5.33	<2.0	NA	<1.0	2.84	2.82	4.30	13.8	<5.0	<5.0	<0.30
B31 (10')	5/19/21	10	2.06	8.0	11.4	6.6	31.5	4.41	NA	<1.0	<1.0	<1.0	<1.0	3.29	<5.0	<5.0	<0.30
B31 (15')	5/19/21	15	3.97	8.0	32.0	9.8	8.64	2.06	NA	<1.0	3.57	6.16	2.94	13.7	<5.0	<5.0	<0.30
B32 (8.5')	5/19/21	8.5	2.99	7.5	0.45	5.6	4.42	<2.0	NA	<1.0	5.14	3.10	5.15	12.5	<5.0	<5.0	<0.30
B32 (15.5')	5/19/21	15.5	12.7	7.7	8.95	4.1	4.85	<2.0	NA	<1.0	5.92	7.37	8.64	31.4	<5.0	<5.0	<0.30
B20R (10')	5/25/21	10	3.95	7.71	5.49	4.21	125	1.21	NA	0.342	16.9	19.4	20.3	71.5	1.65	0.0248	<0.30
B20R (8.5'-9.5')	6/30/21	8.5-9.5	1.910	7.99	7.46	3.90	121	NA	2.09	<0.500	14.0	13.9	18.3	55.8	<2.00	<1.00	<1.00
B20R (17'-18')	6/30/21	17-18	6.340	8.46	13.9	10.6	68.6	NA	3.56	<2.50	26.9	18.5	36.1	233	<10.0	<5.00	<1.00
B23R (14'-15')	6/30/21	14-15	0.841	8.25	3.08	3.21	86.9	NA	1.32	<0.500	8.39	8.01	8.99	29.5	<2.00	<1.00	<1.00

TABLE 3 - SOIL ANALYTICAL RESULTS (Inorganics)
CRESTONE PEAK RESOURCES
Billings

Sample ID	Date	Depth Range (ft)	EC (mmhos/cm)	pH (SU)	SAR	Arsenic	Ba-Barium (mg/kg)	B-Boron (mg/kg)	B-Boron (mg/L) Hot Water Soluble	Cd-Cadmium (mg/kg)	Cu-Copper (mg/kg)	Pb-Lead (mg/kg)	Ni-Nickel (mg/kg)	Zn-Zinc (mg/kg)	Se-Selenium (mg/kg)	Ag-Silver (mg/kg)	Cr VI-Hex Chromium (mg/kg)
COGCC Table 915-1 Limit			<4	6-8.3	<6	0.68	15,000		2	71	3,100	400	1,500	23,000	390	390	0.3
B23R (16'-17')	6/30/21	16-17	0.483	8.93	8.28	3.89	55.9	NA	1.92	<0.500	11.7	11.7	12.3	49.4	<2.00	<1.00	<1.00
B24R (14'-15')	6/30/21	14-15	2.760	8.00	15.3	5.52	37.7	NA	2.27	<0.500	37.7	16.5	14.3	67.8	<2.00	<1.00	<1.00
B25R (9.5'-10.5')	6/30/21	9.5-10.5	3.350	8.08	3.38	6.39	127	NA	2.54	<0.500	17.4	13.3	12.2	47.0	<2.00	<1.00	<1.00
B25R (15'-16')	6/30/21	15-16	1.28	7.92	5.08	2.93	41.1	NA	2.60	<0.500	10.7	9.63	13.2	58.2	<2.00	<1.00	<1.00
B26R (10.5'-12.5')	6/30/21	10.5-12.5	6.89	8.45	10.00	2.91	105	NA	3.68	<0.500	22.9	19.1	17.5	64.2	<2.00	<1.00	<1.00
B26R (15'-16')	6/30/21	15-16	2.61	7.77	17.30	9.39	48.8	NA	2.84	<0.500	16.7	16.4	20.9	113.0	<2.00	<1.00	<1.00
B33 (8.5'-10.5')	6/30/21	8.5-10.5	3.93	8.01	8.89	4.03	70.4	NA	3.15	<0.500	19.0	16.9	20.8	66.0	<2.00	<1.00	<1.00
B33 (13'-15')	6/30/21	13-15	3.15	7.51	12.8	3.37	84.3	NA	4.00	<0.500	19.5	17.2	13.9	69.4	<2.00	<1.00	<1.00
BK-1 (14'-15')	6/30/21	14-15	3.48	7.36	8.33	2.97	35.2	NA	1.39	<0.500	7.69	8.08	9.45	30.8	<2.00	<1.00	<1.00
BK-2 (9.5-11)	9/21/21	9.5-11	1.60	8.35	0.545	3.51	68.9	NA	0.618	0.309	22.7	16.3	18.7	105	1.40	0.0414	<0.30
B34 (9-11)	9/20/21	9-11	1.97	8.31	0.681	5.95	55.9	NA	2.27	<0.241	23.6	18	17	102	1.18	0.0411	<0.30
B35 (12-14)	9/20/21	12-14	3.80	7.84	0.708	4.39	41.6	NA	2.28	0.331	25.3	23.1	27.6	143	1.19	0.0466	<0.30
B36 (10-12)	9/20/21	10-12	4.14	7.84	0.869	11.8	61.0	NA	1.92	0.379	28.1	16.0	21.7	115	2.30	0.0867	<0.30
B37 (10-12)	9/20/21	10-12	2.06	8.38	0.572	10.8	61.0	NA	3.21	0.368	23.1	16.0	17.8	75.4	2.30	0.0785	<0.30
B38 (11-13)	9/20/21	11-13	3.34	7.81	0.400	9.84	46.3	NA	3.13	0.351	29.1	20.4	23.3	158	1.36	0.0388	<0.30
B39 (9.5-11.5)	9/20/21	9.5-11.5	1.34	8.43	0.588	4.46	94.8	NA	2.08	0.544	35.1	18.8	41.1	155	2.08	0.0657	<0.30
B40 (7.5-9.5)	9/20/21	7.5-9.5	3.22	7.69	0.222	11.6	61.9	NA	2.76	0.535	47.9	20.2	46.5	273	1.64	0.0873	<0.30
B41 (9-11)	9/20/21	9-11	1.14	8.46	0.396	2.46	49.0	NA	1.27	0.291	29.5	16.9	10.8	44.2	2.21	0.0684	<0.30
B42 (13-16.5)	9/20/21	13-16.5	2.40	8.88	0.813	1.66	26.5	NA	0.912	0.228	24.7	18	22.7	99.7	1.29	0.0317	<0.30
B43 (9-11)	9/20/21	9-11	1.54	8.93	0.719	2.20	26.2	NA	0.923	<0.229	26.2	15.7	13.2	157	0.936	0.0243	<0.30
B44 (21.5-23.5)	9/20/21	21.5-23.5	1.78	8.43	0.667	2.93	35.5	NA	0.657	<0.224	11.8	10.5	17.6	64	0.825	<0.0024	<0.30
B45 (10-11.5)	9/20/21	10-11.5	4.06	8.02	1.050	6.13	37.3	NA	2.96	0.653	35.6	19.6	24.7	117	1.49	0.0896	<0.30

NOTES:

mg/Kg - milligrams per kilogram

BOLD - indicates result exceeds the applicable standard

< - indicates result is less than the stated laboratory reporting limit

NA - Not Measured/Analyzed

COGCC Table 915-1 - Colorado Oil and Gas Conservation Commission Table 915-1

Benzene, toluene, ethylbenzene, total xylenes and TPH-GRO analyzed by EPA Method 8260B.

TPH-DRO was analyzed by EPA Method 8015.

**TABLE 4 - SAMPLE COORDINATES
CRESTONE PEAK RESOURCES
Billings**

Boring	Coordinates
B15	40.0995118°, -104.9839173°
B13	40.0995223°, -104.9840107°
B14	40.0994868°, -104.9839625°
B16	40.0995529°, -104.9839480°
B19	40.0995959°, -104.9839161°
B17	40.0995913°, -104.9839796°
B18	40.0996441°, -104.9839761°
B20	40.0995926069554, -104.983957624146
B21	40.09968327144, -104.983965302149
B22	40.0996653391108, -104.983909316824
B23	40.0996676591174, -104.98384639327
B24	40.0996056152356, -104.98384218103
B25	40.0997405005231, -104.984007077624
B26	40.0995673143523, -104.983915505009
B27	40.0995637393591, -104.984017612889
B28	40.0996227266311, -104.98391133483
B29	40.0996534896996, -104.984019680654
B30	40.0997003534114, -104.983956168482
B31	40.0996051654732, -104.98406988257
B32	40.099554385163, -104.984085712846
B33	40.0994685132528, -104.983992789957
B20R	40.0995932196499, -104.983969281213
B23R	40.0996646500983, -104.983846837792
B24R	40.099592, -104.983832
B25R	40.0996962179169, -104.984016536982
B26R	40.0995518729638, -104.983905740466
BK-1	40.099423, -104.984221
B34	40.0993890975039, -104.984007387602
B35	40.099399805353, -104.983920078143
B36	40.0993493779782, -104.984002476582
B37	40.0994047659695, -104.984070075575
B38	40.0994905118346, -104.984104686201
B39	40.0995920001854, -104.98412051399
B40	40.099702242571, -104.984098939656
B41	40.0997909624832, -104.984008429821
B42	40.0996933235835, -104.983830446669
B43	40.0996554759864, -104.983761224015
B44	40.0995726694465, -104.98380395007
B45	40.0994844738714, -104.983839878483
Bk-2	40.0992581583282, -104.983755250634



Client: Crestone Peak Resources
Project: Billings
Address: 40.099394, -104.983999, Frederick, CO

BORING LOG
Boring No. B34
Page: 1 of 1

Drilling Start Date: 09/20/2021
 Drilling End Date: 09/20/2021
 Drilling Company: Remington Technologies
 Drilling Method: Direct Push
 Drilling Equipment: Geoprobe 7822DT
 Driller: Joe Fletcher
 Logged By: Jeff Carlo

Boring Depth (ft): 18.5
 Boring Diameter (in): 2.25
 Sampling Method(s): Direct Push
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft):
 Location (Lat, Long): 40.099389, -104.984007

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0				DP			1.50	(0') Poorly graded SAND with gravel (SP); some fine gravel, dry, brown	7.1		0
								(2') Poorly graded SAND with gravel (SP); some coarse gravel, dark brown/brown	4.4		
								(4') Silty SAND (SM); dry, dark brown/brown	0.0		
5				DP			4.50	(5') Poorly graded SAND (SP); mostly fine grained sand, dry, brown/light brown/orange, soft	0.0		5
								(8') Lean CLAY (CL); trace fine sand, little silt, mostly clay, stiff, dry, brown/orange	0.0		
10				DP			4.50	(10') Lean CLAY (CL); some silt, stiff, dry, brown/orange	0.0	B34 (9-11)	10
								(11') Lean CLAY (CL); medium stiff, dry, brown/gray, no staining or odor	0.0		
								(12') Fat CLAY (CH); soft, dry, dark purplish, no staining or odor	0.0		
								(13') Lean CLAY (CL); little silt, stiff, dry, brown/gray/orange	0.0		
15				DP			2.50	(14') Silty SAND (SM); mostly fine grained sand, trace clay, medium dense, dry, light gray	0.0		15
								(15') Poorly graded SAND (SP); mostly fine grained sand, dry, light gray, soft	0.0		
								(16') Lean CLAY (CL); stiff, dry, light gray	0.0		
				DP			1.00	(17') Poorly graded SAND (SP); mostly fine grained sand, dry, light gray, soft	0.0		
								(18.5') Boring terminated	0.0		
20											20

NOTES:



Client: **Crestone Peak Resources**
Project: **Billings**
Address: **40.099394, -104.983999, Frederick, CO**

BORING LOG
Boring No. **B35**
Page: **1 of 1**

Drilling Start Date: **09/20/2021**
Drilling End Date: **09/20/2021**
Drilling Company: **Remington Technologies**
Drilling Method: **Direct Push**
Drilling Equipment: **Geoprobe 7822DT**
Driller: **Josue Arredondo**
Logged By: **Jeff Carlo**

Boring Depth (ft): **20.0**
Boring Diameter (in): **2.25**
Sampling Method(s): **Direct Push**
DTW During Drilling (ft): **N/A**
DTW After Drilling (ft): **N/A**
Ground Surface Elev. (ft):
Location (Lat, Long): **40.0994, -104.98392**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0				DP			1.75	(0') Poorly graded SAND (SP); trace fine gravel, medium dense, dry, brown	0.0		0
5				DP			3.75	(4.5') Poorly graded SAND (SP); dry, cream white (5') Poorly graded SAND (SP); dry, light brown/off white, very stiff	0.0		5
10				DP			4.50	(7') Silty SAND (SM); mostly fine grained sand, little silt, trace clay, dry, brown/orange, very stiff (8.5') Poorly graded SAND (SP); dry, brown/orange, very stiff (9.5') Silty SAND (SM); mostly fine grained sand, little silt, trace clay, dry, brown/orange, very stiff (10.5') Lean CLAY (CL); some silt, stiff, dry, brown/orange (11.5') Lean CLAY (CL); medium stiff, dry, quartz lens	0.0		10
15				DP			4.00	(13') Fat CLAY (CH); soft, dry, dark brown/purple, no staining or odor (15') Lean CLAY (CL); very stiff, dry, brown/orange/gray (16') Poorly graded SAND (SP); trace clay, dense, dry, brown (17') Lean CLAY (CL); very stiff, dry, brown	0.0		15
20				DP			0.50	(18.5') Poorly graded SAND (SP); mostly fine grained sand, some silt, medium dense, dry, brown/orange (19') Poorly graded SAND (SP); mostly fine grained sand, some silt, dry, brown/light gray, soft, no staining or odor (20') Boring terminated	0.0		20
25											25

NOTES:



Client: **Crestone Peak Resources**
Project: **Billings**
Address: **40.099394, -104.983999, Frederick, CO**

BORING LOG
Boring No. **B36**
Page: **1 of 1**

Drilling Start Date: **09/20/2021**
Drilling End Date: **09/20/2021**
Drilling Company: **Remington Technologies**
Drilling Method: **Direct Push**
Drilling Equipment: **Geoprobe 7822DT**
Driller: **Josue Arredondo**
Logged By: **Jeff Carlo**

Boring Depth (ft): **15.5**
Boring Diameter (in): **2.25**
Sampling Method(s): **Direct Push**
DTW During Drilling (ft): **N/A**
DTW After Drilling (ft): **N/A**
Ground Surface Elev. (ft):
Location (Lat, Long): **40.099349, -104.984002**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0				DP			2.25	(0') Poorly graded SAND (SP); loose, dry, brown/light brown	0.0		0
5				DP			4.25	(7') SILT (ML); little fine sand, mostly silt, stiff, dry, brown/orange (8') Lean CLAY (CL); trace silt, mostly clay, medium stiff, dry, brown/orange/gray	0.0		5
10				DP			4.50	(10') Lean CLAY (CL); little fine sand, little silt, mostly clay, stiff, dry, brown/orange/gray, no staining or odor (11') Fat CLAY (CH); dark brown/purple (13') Lean CLAY (CL); very stiff, dry, light gray, trace carbon (14') Lean CLAY (CL); some silt, mostly clay, stiff, dry, light gray, no staining or odor	0.0	B36 (10-12)	10
15				DP			0.50	(15') Poorly graded SAND (SP); mostly fine grained sand, loose, dry, light gray, stiff (15.5') Boring terminated	0.0		15
20											20

NOTES:



Client: **Crestone Peak Resources**
Project: **Billings**
Address: **40.099394, -104.983999, Frederick, CO**

BORING LOG
Boring No. **B37**
Page: **1 of 1**

Drilling Start Date: **9/20/21**
Drilling End Date: **9/20/21**
Drilling Company: **Remington Technologies**
Drilling Method: **Direct Push**
Drilling Equipment: **Geoprobe 7822DT**
Driller: **Josue Arredondo**
Logged By: **Jeff Carlo**

Boring Depth (ft): **17.5**
Boring Diameter (in): **2.25**
Sampling Method(s): **Direct Push**
DTW During Drilling (ft): **N/A**
DTW After Drilling (ft): **N/A**
Ground Surface Elev. (ft):
Location (Lat, Long): **40.099405, -104.98407**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0				DP			1.50	(0') Poorly graded SAND (SP); loose, dry, brown			0
								(4') Silty SAND (SM); dry, brown			
5				DP			2.25	(5') Silty SAND (SM); dry, brown, stiff			5
								(6') Poorly graded SAND (SP); dry, light brown/tan, soft			
								(7') Poorly graded SAND (SP); medium dense, dry, brown			
10				DP			4.50	(9.5') SILT (ML); medium stiff, dry, brown (10') Lean CLAY (CL); medium stiff, dry, brown		B37 (10-12)	10
								(11.5') Fat CLAY (CH); soft, dry, brown purple			
								(12.5') Lean CLAY (CL); very stiff, dry, brown/gray, no staining or odor			
								(13.5') Lean CLAY (CL); little fine sand, very stiff, dry, gray			
15				DP			2.50	(15') SILT (ML); stiff, dry, light gray			15
								(16') Poorly graded SAND (SP); little silt, dry, light gray, very stiff, trace quartz			
								(17.5') Boring terminated			
20											20

NOTES:



Client: **Crestone Peak Resources**
Project: **Billings**
Address: **40.099394, -104.983999, Frederick, CO**

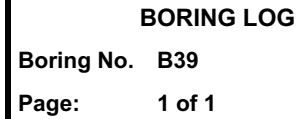
BORING LOG
Boring No. **B38**
Page: **1 of 1**

Drilling Start Date: **09/20/2021**
Drilling End Date: **09/20/2021**
Drilling Company: **Remington Technologies**
Drilling Method: **Direct Push**
Drilling Equipment: **Geoprobe 7822DT**
Driller: **Josue Arredondo**
Logged By: **Jeff Carlo**

Boring Depth (ft): **19.0**
Boring Diameter (in): **2.25**
Sampling Method(s): **Direct Push**
DTW During Drilling (ft): **N/A**
DTW After Drilling (ft): **N/A**
Ground Surface Elev. (ft):
Location (Lat, Long): **40.099491, -104.984105**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0							2.00	(0') Poorly graded SAND with gravel (SP); some fine-coarse gravel, brown	0.0		0
								(2') Poorly graded SAND (SP); dry, red/dark brown	0.0		
								(4.5') Carbon	0.0		
5				DP			4.50	(5') SILT (ML); mostly silt, some clay, medium stiff, dry, light brown	0.0		5
								(6.5') Silty SAND (SM); mostly fine grained sand, some silt, dry, brown	0.0		
								(8') Silty SAND (SM); mostly fine grained sand, some silt, trace clay, dry, brown/orange, stiff	0.0		
10				DP			4.00	(10') Lean CLAY (CL); very stiff, dry, brown/orange/gray	0.0		10
								(13.5') Lean CLAY (CL); little silt, mostly clay	0.0		
								(14.5') Fat CLAY (CH); medium stiff, dry, brown/purple	0.0		
15				DP			2.00	(15') Fat CLAY (CH); medium stiff, dry, dark brown/purple	0.0		15
								(16') SILT (ML); some fine sand, mostly silt, some clay, stiff, dry, gray, no staining or odor	0.0		
				DP			2.00	(17') SILT (ML); some fine sand, mostly silt, trace clay, stiff, dry, brown/light brown	0.0		
								(17.5') Silty SAND (SM); mostly fine grained sand, some silt, medium dense, dry, light brown	0.0		
								(19') Boring terminated			
20											20

NOTES:



Boring Depth (ft):	20.0
Boring Diameter (in):	2.25
Sampling Method(s):	Direct Push
DTW During Drilling (ft):	N/A
DTW After Drilling (ft):	N/A
Ground Surface Elev. (ft):	
Location (Lat, Long):	40.099592, -104.984121

NOTES:



Client: Crestone Peak Resources
Project: Billings
Address: 40.099394, -104.983999, Frederick, CO

BORING LOG
Boring No. B40
Page: 1 of 1

Drilling Start Date: 09/20/2021
Drilling End Date: 09/20/2021
Drilling Company: Remington Technologies
Drilling Method: Direct Push
Drilling Equipment: Geoprobe 7822DT
Driller: Josue Arredondo
Logged By: Jeff Carlo

Boring Depth (ft): 15.0
Boring Diameter (in): 2.25
Sampling Method(s): Direct Push
DTW During Drilling (ft): N/A
DTW After Drilling (ft): N/A
Ground Surface Elev. (ft):
Location (Lat, Long): 40.099702, -104.984099

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0				DP			2.75	(0') Poorly graded SAND (SP); medium dense, dry, brown	0.0		0
								(3') Silty SAND (SM); mostly fine grained sand, some silt, medium dense, dry, brown	0.0		
5				DP			2.75	(5') Elastic SILT (MH); soft, dry, brown	0.0		5
								(7.5') Lean CLAY (CL); soft, dry, brown/orange	0.0	B40 (7.5-9.5)	
								(9') Fat CLAY (CH); soft, dry, dark brown/purple	0.0		
10				DP			3.00	(10') Lean CLAY (CL); very stiff, dry, light gray/orange	0.0		10
								(11.5') Silty SAND (SM); dense, dry, light brown/light gray	0.0		
				DP			2.00	(12.5') Poorly graded SAND (SP); mostly fine grained sand, dry, brown/orange, soft	0.0		
								(13.5') As Above: Moist	0.0		
15								(15') Boring terminated			15
20											20

NOTES:



Client: **Crestone Peak Resources**
Project: **Billings**
Address: **40.099394, -104.983999, Frederick, CO**

BORING LOG
Boring No. **B41**
Page: **1 of 1**

Drilling Start Date: **09/20/2021**
Drilling End Date: **09/20/2021**
Drilling Company: **Remington Technologies**
Drilling Method: **Direct Push**
Drilling Equipment: **Geoprobe 7822DT**
Driller: **Josue Arredondo**
Logged By: **Jeff Carlo**

Boring Depth (ft): **16.0**
Boring Diameter (in): **2.25**
Sampling Method(s): **Direct Push**
DTW During Drilling (ft): **N/A**
DTW After Drilling (ft): **N/A**
Ground Surface Elev. (ft):
Location (Lat, Long): **40.099791, -104.984008**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0				DP			1.25	(0') Poorly graded SAND with gravel (SP); some coarse gravel, dry, brown	0.0		0
								(3') Lean CLAY (CL); little fine sand, little silt, mostly clay, stiff, dry, dark brown	0.0		
5				DP			1.00	(5') Poorly graded SAND (SP); dry, dark brown	0.0		5
								(7') Silty SAND (SM); dry, dark brown, soft	0.0		
								(9') Fat CLAY (CH); soft, dry, brown	0.0		
10				DP			5.00	(10') Fat CLAY (CH); soft, dry, brown/purple	0.0	B41 (9-11)	10
								(11') Lean CLAY (CL); very stiff, dry, light gray	0.0		
								(12.5') Lean CLAY (CL); medium stiff, dry, brown/orange/gray	0.0		
								(14') Silty SAND (SM); mostly fine grained sand, dry, light brown/light gray, soft	0.0		
15				DP			1.00	(15') As Above	0.0		15
								(16') Boring terminated	0.0		
20											20

NOTES:



Client: **Crestone Peak Resources**
Project: **Billings**
Address: **40.099394, -104.983999, Frederick, CO**

BORING LOG
Boring No. **B42**
Page: **1 of 1**

Drilling Start Date: **09/20/2021**
Drilling End Date: **09/20/2021**
Drilling Company: **Remington Technologies**
Drilling Method: **Direct Push**
Drilling Equipment: **Geoprobe 7822DT**
Driller: **Josue Arredondo**
Logged By: **Jeff Carlo**

Boring Depth (ft): **20.0**
Boring Diameter (in): **2.25**
Sampling Method(s): **Direct Push**
DTW During Drilling (ft): **N/A**
DTW After Drilling (ft): **N/A**
Ground Surface Elev. (ft):
Location (Lat, Long): **40.099693, -104.98383**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0				DP			1.25	(0') Poorly graded SAND (SP); dry, light brown, stiff	0.0		0
								(3') Silty SAND (SM); dry, brown, stiff	0.0		
5				DP			1.00	(7') SILT (ML); soft, dry, brown	0.0		5
								(9') Lean CLAY (CL); soft, dry, brown	0.0		
10				DP			5.00	(10') Lean CLAY (CL); medium stiff, dry, dark brown/dark gray	0.0		10
								(11.5') Lean CLAY (CL); very stiff, dry, brown/gray			
								(13') Lean CLAY (CL); very stiff, dry, light gray, light staining and odor	224.0	B42 (13-16.5)	
15				DP			1.88	(15') Lean CLAY (CL); stiff, dry, brown/orange	101.0		15
				DP			2.50	(17.5') As Above	193.0		
									12.0		
									4.2		
									0.0		
20								(20') Boring terminated			20
25											25

NOTES:



Client: **Crestone Peak Resources**
Project: **Billings**
Address: **40.099394, -104.983999, Frederick, CO**

BORING LOG
Boring No. **B43**
Page: **1 of 1**

Drilling Start Date: **09/21/2021**
Drilling End Date: **09/21/2021**
Drilling Company: **Remington Technologies**
Drilling Method: **Direct Push**
Drilling Equipment: **Geoprobe 7822DT**
Driller: **Josue Arredondo**
Logged By: **Jeff Carlo**

Boring Depth (ft): **20.0**
Boring Diameter (in): **2.25**
Sampling Method(s): **Direct Push**
DTW During Drilling (ft): **N/A**
DTW After Drilling (ft): **N/A**
Ground Surface Elev. (ft):
Location (Lat, Long): **40.099655, -104.983761**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0				DP			1.50	(0') Poorly graded SAND (SP); mostly fine grained sand, trace fine gravel, dry, light brown, stiff	0.0		0
5				DP			2.75	(5') Poorly graded SAND with gravel (SP); some fine gravel, medium dense, dry, light brown/tan (6') Lean CLAY (CL); some silt, stiff, dry, brown (7.5') Lean CLAY (CL); mostly clay, medium stiff, dry, brown	0.0		5
10				DP			5.00	(9') Lean CLAY (CL); some silt, very stiff, dry, light gray, no staining or odor (10') Lean CLAY (CL); little silt, mostly clay, very stiff, dry, gray/orange/brown	0.0	B43 (9-11)	10
15				DP			2.50	(13.5') Poorly graded SAND (SP); mostly fine grained sand, some silt, little clay, dense, dry, gray/orange/brown (15') Silty SAND (SM); mostly fine grained sand, some silt, little clay, dry, brown, stiff (16') Lean CLAY (CL); stiff, dry, brown	0.0		15
20				DP			2.50	(17.5') Poorly graded SAND (SP); medium dense, dry, brown	0.0		20
25								(20') Boring terminated	0.0		25

NOTES:

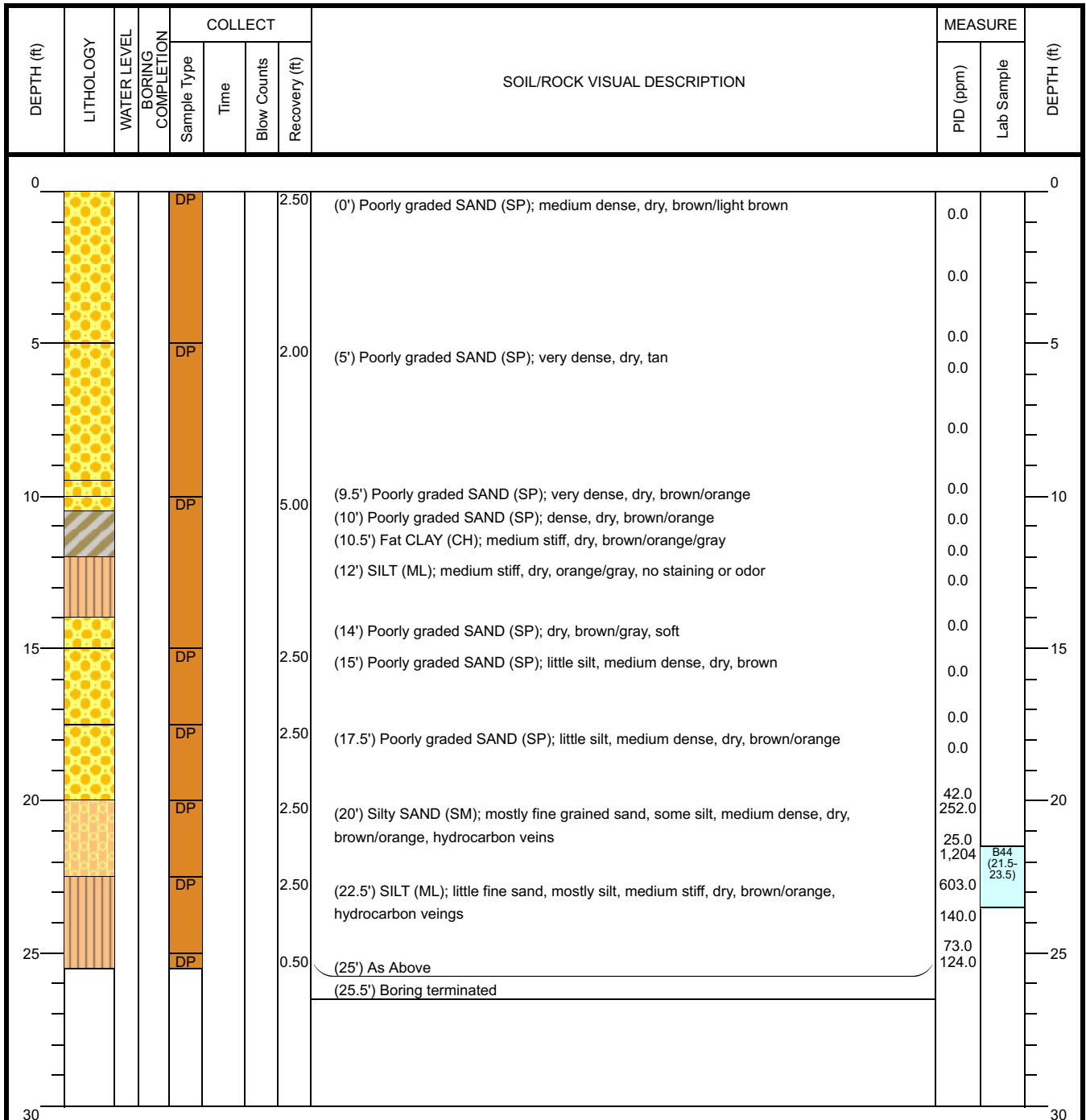


Client: **Crestone Peak Resources**
Project: **Billings**
Address: **40.099394, -104.983999, Frederick, CO**

BORING LOG
Boring No. **B44**
Page: **1 of 1**

Drilling Start Date: **09/21/2021**
Drilling End Date: **09/21/2021**
Drilling Company: **Remington Technologies**
Drilling Method: **Direct Push**
Drilling Equipment: **Geoprobe 7822DT**
Driller: **Josue Arredondo**
Logged By: **Jeff Carlo**

Boring Depth (ft): **25.5**
Boring Diameter (in): **2.25**
Sampling Method(s): **Direct Push**
DTW During Drilling (ft): **N/A**
DTW After Drilling (ft): **N/A**
Ground Surface Elev. (ft):
Location (Lat, Long): **40.099573, -104.983804**



NOTES:



Client: **Crestone Peak Resources**
Project: **Billings**
Address: **40.099394, -104.983999, Frederick, CO**

BORING LOG
Boring No. **B45**
Page: **1 of 1**

Drilling Start Date: **09/21/2021**
Drilling End Date: **09/21/2021**
Drilling Company: **Remington Technologies**
Drilling Method: **Direct Push**
Drilling Equipment: **Geoprobe 7822DT**
Driller: **Josue Arredondo**
Logged By: **Jeff Carlo**

Boring Depth (ft): **18.5**
Boring Diameter (in): **2.25**
Sampling Method(s): **Direct Push**
DTW During Drilling (ft): **N/A**
DTW After Drilling (ft): **N/A**
Ground Surface Elev. (ft):
Location (Lat, Long): **40.099484, -104.98384**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0								(0') Poorly graded SAND with gravel (SP); little fine-coarse gravel, loose, dry, dark brown	0.0		0
5								(5') Silty SAND (SM); dry, light brown	0.0		5
								(6.5') Lean CLAY (CL); trace fine sand, little silt, medium stiff, dry, brown/orange	0.0		
10								(10') Lean CLAY (CL); stiff, dry, brown/orange	0.0		10
								(11') Lean CLAY (CL); trace fine sand, little silt, medium stiff, dry, brown/orange	0.0		
								(12') Fat CLAY (CH); soft, dry, dark brown/purple, carbon	0.0		
								(13') Fat CLAY (CH); medium stiff, dry, dark brown/faint purple	0.0		
								(14') Lean CLAY (CL); stiff, dry, brown/orange/gray	0.0		
15								(15') SILT (ML); little fine sand, mostly silt, little clay, medium stiff, dry, light gray/gray, no staining or odor	0.0		15
								(17') Poorly graded SAND (SP); mostly fine grained sand, little silt, dry, light gray/gray, no staining or odor, quartz lens	0.0		
								(18.5') Boring terminated	0.0		
20											20

NOTES:



Client: **Crestone Peak Resources**
Project: **Billings**
Address: **40.099394, -104.983999, Frederick, CO**

BORING LOG
Boring No. **BK-2**
Page: **1 of 1**

Drilling Start Date: **09/21/2021**
Drilling End Date: **09/21/2021**
Drilling Company: **Remington Technologies**
Drilling Method: **Direct Push**
Drilling Equipment: **Geoprobe 7822DT**
Driller: **Josue Arredondo**
Logged By: **Jeff Carlo**

Boring Depth (ft): **23.5**
Boring Diameter (in): **2.25**
Sampling Method(s): **Direct Push**
DTW During Drilling (ft): **N/A**
DTW After Drilling (ft): **N/A**
Ground Surface Elev. (ft):
Location (Lat, Long): **40.099258, -104.983755**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	MEASURE		DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)		PID (ppm)	Lab Sample	
0							3.25	(0') Poorly graded SAND (SP); trace fine gravel, loose, dry, brown/dark brown	0.0		0
								(2.5') Poorly graded SAND (SP); loose, dry, brown/dark brown	0.0		
5							4.00	(5') Silty SAND (SM); medium dense, dry, brown	0.0		5
								(6') SILT (ML); brown/light brown	0.0		
								(7.5') Lean CLAY (CL); some silt, stiff, dry, brown/orange/gray	0.0		
10							4.50	(11.5') Fat CLAY (CH); medium stiff, dry, dark brown/purple	0.0	BK-2 (9.5-11)	10
								(13') Lean CLAY (CL); stiff, dry, light gray/orange, no staining or odor	0.0		
15							2.00	(15') Lean CLAY (CL); stiff, dry, gray/orange/brown	0.0		15
							2.00	(17') Poorly graded SAND (SP); little silt, medium dense, dry, light brown/light gray, quartz lens	0.0		
								(18') SILT (ML); medium stiff, dry, brown/light brown	0.0		
20							3.00	(19') Lean CLAY (CL); medium stiff, dry, light brown	0.0		20
								(19.5') Poorly graded SAND (SP); medium dense, dry, light brown	0.0		
								(20') Poorly graded SAND (SP); mostly fine grained sand, some silt, light brown/orange	0.0		
							1.00	(22.5') Lean CLAY (CL); some fine sand, little silt, mostly clay, tan/light gray, no staining or odor	0.0		
25								(23.5') Boring terminated	0.0		25

NOTES:



NOTES:

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 29, 2021

Jeff Carlo
Remington Technologies
2307 W 8th St
Loveland, CO 80537

RE: Billings 1

Work Order #2109322

Enclosed are the results of analyses for samples received by Summit Scientific on 09/20/21 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B34 (9-11)	2109322-01	Soil	09/20/21 08:42	09/20/21 18:00
B35 (12-14)	2109322-02	Soil	09/20/21 09:11	09/20/21 18:00
B36 (10-12)	2109322-03	Soil	09/20/21 09:38	09/20/21 18:00
B37 (10-12)	2109322-04	Soil	09/20/21 11:19	09/20/21 18:00
B38 (11-13)	2109322-05	Soil	09/20/21 12:00	09/20/21 18:00
B39 (9.5-11.5)	2109322-06	Soil	09/20/21 12:30	09/20/21 18:00
B40 (7.5-9.5)	2109322-07	Soil	09/20/21 13:00	09/20/21 18:00
B41 (9-11)	2109322-08	Soil	09/20/21 13:30	09/20/21 18:00
B42 (13-16.5)	2109322-09	Soil	09/20/21 14:00	09/20/21 18:00

Summit Scientific

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.

Summit Scientific
S₂

Page 1 of 1

Project Number:

www.s2scientific.com

S₂

Sample Receipt Checklist

S2 Work Order# 2109322

Client: Remington Technologies, LLC Client Project ID: BILLINGS 1Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____
☒ ☐ ☐ ☐ ☐
Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Temp (°C)	11.0
-----------	------

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.				
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.				
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.WG
Custodian Printed Name or Initials9/20/21
Date/Time



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B34 (9-11)
2109322-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEI0502	09/23/21	09/24/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		126 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		144 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0503	09/23/21	09/24/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		86.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B34 (9-11)
2109322-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		56.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		73.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	2.27	0.0100	mg/L	1	BEI0548	09/24/21	09/27/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B34 (9-11)
2109322-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	5.95	0.241	mg/kg dry	1	BEI0516	09/23/21	09/26/21	EPA 6020B
Barium	55.9	0.481	"	"	"	"	"	"
Cadmium	ND	0.241	"	"	"	"	"	"
Copper	23.6	0.481	"	"	"	"	"	"
Lead	18.0	0.241	"	"	"	"	"	"
Nickel	17.0	0.481	"	"	"	"	"	"
Selenium	1.18	0.313	"	"	"	"	"	"
Silver	0.0411	0.0241	"	"	"	"	"	"
Zinc	102	0.481	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0545	09/24/21	09/24/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	6.07	0.0602	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	8.31	0.0602	"	"	"	"	"	"	
Sodium	11.0	0.0602	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.681	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B34 (9-11)
2109322-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	83.1	%	1	BEI0507	09/23/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.97	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/20/21 08:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.31		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B35 (12-14)
2109322-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/20/21 09:11**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEI0502	09/23/21	09/24/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/20/21 09:11**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		125 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		146 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/20/21 09:11**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0503	09/23/21	09/24/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/20/21 09:11**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		84.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B35 (12-14)
2109322-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/20/21 09:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/20/21 09:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		62.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		77.3 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/20/21 09:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	2.28	0.0100	mg/L	1	BEI0548	09/24/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/20/21 09:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B35 (12-14)
2109322-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	4.39	0.244	mg/kg dry	1	BEI0516	09/23/21	09/26/21	EPA 6020B	
Barium	41.6	0.488	"	"	"	"	"	"	
Cadmium	0.331	0.244	"	"	"	"	"	"	
Copper	25.3	0.488	"	"	"	"	"	"	
Lead	23.1	0.244	"	"	"	"	"	"	
Nickel	27.6	0.488	"	"	"	"	"	"	
Selenium	1.19	0.317	"	"	"	"	"	"	
Silver	0.0466	0.0244	"	"	"	"	"	"	
Zinc	143	0.488	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: 09/20/21 09:11

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0545	09/24/21	09/24/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: 09/20/21 09:11

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	26.5	0.0610	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	9.79	0.0610	"	"	"	"	"	"	
Sodium	16.8	0.0610	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 09/20/21 09:11

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.708	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 09/20/21 09:11

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B35 (12-14)
2109322-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	82.0	%	1	BEI0507	09/23/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/20/21 09:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.80	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/20/21 09:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.84		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B36 (10-12)
2109322-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEI0502	09/23/21	09/24/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		130 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		148 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0503	09/23/21	09/24/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		86.1 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B36 (10-12)
2109322-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		66.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		78.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	1.92	0.0100	mg/L	1	BEI0548	09/24/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B36 (10-12)
2109322-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	11.8	0.241	mg/kg dry	1	BEI0516	09/23/21	09/26/21	EPA 6020B	
Barium	61.0	0.482	"	"	"	"	"	"	
Cadmium	0.379	0.241	"	"	"	"	"	"	
Copper	28.1	0.482	"	"	"	"	"	"	
Lead	16.0	0.241	"	"	"	"	"	"	
Nickel	21.7	0.482	"	"	"	"	"	"	
Selenium	2.30	0.313	"	"	"	"	"	"	
Silver	0.0867	0.0241	"	"	"	"	"	"	
Zinc	115	0.482	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0545	09/24/21	09/24/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	10.7	0.0602	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	8.13	0.0602	"	"	"	"	"	"	
Sodium	15.5	0.0602	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.869	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B36 (10-12)
2109322-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	83.1	%	1	BEI0507	09/23/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	4.14	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/20/21 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.84		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B37 (10-12)
2109322-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEI0502	09/23/21	09/24/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		131 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		145 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0503	09/23/21	09/24/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		88.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B37 (10-12)
2109322-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		58.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		72.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	3.21	0.0100	mg/L	1	BEI0548	09/24/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B37 (10-12)
2109322-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	10.8	0.244	mg/kg dry	1	BEI0516	09/23/21	09/27/21	EPA 6020B
Barium	61.0	0.488	"	"	"	"	"	"
Cadmium	0.368	0.244	"	"	"	"	"	"
Copper	23.1	0.488	"	"	"	"	"	"
Lead	16.0	0.244	"	"	"	"	"	"
Nickel	17.8	0.488	"	"	"	"	"	"
Selenium	2.30	0.317	"	"	"	"	"	"
Silver	0.0785	0.0244	"	"	"	"	"	"
Zinc	75.4	0.488	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0545	09/24/21	09/24/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	12.8	0.0610	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	14.9	0.0610	"	"	"	"	"	"	
Sodium	12.7	0.0610	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.572	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B37 (10-12)
2109322-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	81.9	%	1	BEI0507	09/23/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.06	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/20/21 11:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.38		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B38 (11-13)
2109322-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEI0502	09/23/21	09/24/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		120 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		143 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0503	09/23/21	09/24/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		86.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B38 (11-13)
2109322-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	0.00657	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.0500	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.115	0.00500	"	"	"	"	"	"	

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		56.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		67.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	3.13	0.0100	mg/L	1	BEI0548	09/24/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B38 (11-13)
2109322-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	9.84	0.239	mg/kg dry	1	BEI0516	09/23/21	09/27/21	EPA 6020B
Barium	46.3	0.477	"	"	"	"	"	"
Cadmium	0.351	0.239	"	"	"	"	"	"
Copper	29.1	0.477	"	"	"	"	"	"
Lead	20.4	0.239	"	"	"	"	"	"
Nickel	23.3	0.477	"	"	"	"	"	"
Selenium	1.36	0.310	"	"	"	"	"	"
Silver	0.0388	0.0239	"	"	"	"	"	"
Zinc	158	0.477	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0545	09/24/21	09/24/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	18.9	0.0597	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	6.39	0.0597	"	"	"	"	"	"	
Sodium	7.88	0.0597	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.400	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B38 (11-13)
2109322-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	83.8	%	1	BEI0507	09/23/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.34	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/20/21 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.81		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B39 (9.5-11.5)
2109322-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEI0502	09/23/21	09/24/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.11	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.16	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.21	0.0050	"	"	"	"	"	"	
Naphthalene	0.0042	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	40	0.50	"	"	"	"	"	"	

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		148 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		153 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	95	50	mg/kg	1	BEI0503	09/23/21	09/24/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		84.9 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B39 (9.5-11.5)
2109322-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.0220	0.00500	"	"	"	"	"	"	

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		52.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		85.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	2.08	0.0100	mg/L	1	BEI0548	09/24/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B39 (9.5-11.5)
2109322-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	4.46	0.239	mg/kg dry	1	BEI0516	09/23/21	09/27/21	EPA 6020B
Barium	94.8	0.478	"	"	"	"	"	"
Cadmium	0.544	0.239	"	"	"	"	"	"
Copper	35.1	0.478	"	"	"	"	"	"
Lead	18.8	0.239	"	"	"	"	"	"
Nickel	41.1	0.478	"	"	"	"	"	"
Selenium	2.08	0.311	"	"	"	"	"	"
Silver	0.0657	0.0239	"	"	"	"	"	"
Zinc	155	0.478	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0545	09/24/21	09/24/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	7.19	0.0598	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	5.66	0.0598	"	"	"	"	"	"	
Sodium	8.68	0.0598	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.588	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B39 (9.5-11.5)
2109322-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	83.6	%	1	BEI0507	09/23/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.34	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/20/21 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.43		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B40 (7.5-9.5)
2109322-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEI0502	09/23/21	09/24/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		137 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		149 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0503	09/23/21	09/23/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		126 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B40 (7.5-9.5)
2109322-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		66.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		77.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	2.76	0.0100	mg/L	1	BEI0548	09/24/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B40 (7.5-9.5)
2109322-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	11.6	0.243	mg/kg dry	1	BEI0516	09/23/21	09/27/21	EPA 6020B
Barium	61.9	0.486	"	"	"	"	"	"
Cadmium	0.535	0.243	"	"	"	"	"	"
Copper	47.9	0.486	"	"	"	"	"	"
Lead	20.2	0.243	"	"	"	"	"	"
Nickel	46.5	0.486	"	"	"	"	"	"
Selenium	1.64	0.316	"	"	"	"	"	"
Silver	0.0873	0.0243	"	"	"	"	"	"
Zinc	273	0.486	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0545	09/24/21	09/24/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	53.3	0.0607	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	7.46	0.0607	"	"	"	"	"	"	
Sodium	6.54	0.0607	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.222	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B40 (7.5-9.5)
2109322-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	82.3	%	1	BEI0507	09/23/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.22	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/20/21 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.69		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B41 (9-11)
2109322-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEI0502	09/23/21	09/24/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		129 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		148 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0503	09/23/21	09/24/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		124 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B41 (9-11)
2109322-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		68.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		75.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	1.27	0.0100	mg/L	1	BEI0548	09/24/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B41 (9-11)
2109322-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	2.46	0.231	mg/kg dry	1	BEI0516	09/23/21	09/27/21	EPA 6020B
Barium	49.0	0.461	"	"	"	"	"	"
Cadmium	0.291	0.231	"	"	"	"	"	"
Copper	29.5	0.461	"	"	"	"	"	"
Lead	16.9	0.231	"	"	"	"	"	"
Nickel	10.8	0.461	"	"	"	"	"	"
Selenium	2.21	0.300	"	"	"	"	"	"
Silver	0.0684	0.0231	"	"	"	"	"	"
Zinc	44.2	0.461	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0545	09/24/21	09/24/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	5.32	0.0576	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	4.06	0.0576	"	"	"	"	"	"	
Sodium	4.99	0.0576	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.396	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B41 (9-11)
2109322-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	86.7	%	1	BEI0507	09/23/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.14	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/20/21 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.46		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B42 (13-16.5)
2109322-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/20/21 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEI0502	09/23/21	09/24/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.030	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	4.5	0.50	"	"	"	"	"	"	

Date Sampled: **09/20/21 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		143 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		158 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		123 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/20/21 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0503	09/23/21	09/24/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/20/21 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		123 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B42 (13-16.5)
2109322-09 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/20/21 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/20/21 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		56.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		76.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/20/21 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.912	0.0100	mg/L	1	BEI0548	09/24/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/20/21 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B42 (13-16.5)
2109322-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.66	0.226	mg/kg dry	1	BEI0516	09/23/21	09/27/21	EPA 6020B	
Barium	26.5	0.452	"	"	"	"	"	"	
Cadmium	0.228	0.226	"	"	"	"	"	"	
Copper	24.7	0.452	"	"	"	"	"	"	
Lead	18.0	0.226	"	"	"	"	"	"	
Nickel	22.7	0.452	"	"	"	"	"	"	
Selenium	1.29	0.294	"	"	"	"	"	"	
Silver	0.0317	0.0226	"	"	"	"	"	"	
Zinc	99.7	0.452	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: 09/20/21 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0545	09/24/21	09/24/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: 09/20/21 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	4.78	0.0566	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	7.81	0.0566	"	"	"	"	"	"	
Sodium	12.4	0.0566	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 09/20/21 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.813	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 09/20/21 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

B42 (13-16.5)
2109322-09 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	88.4	%	1	BEI0507	09/23/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/20/21 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.40	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/20/21 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.88		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0502 - EPA 5030 Soil MS

Blank (BEI0502-BLK1)

Prepared: 09/23/21 Analyzed: 09/24/21

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0528		"	0.0400		132	23-173			
Surrogate: Toluene-d8	0.0592		"	0.0400		148	20-170			
Surrogate: 4-Bromofluorobenzene	0.0452		"	0.0400		113	21-167			

LCS (BEI0502-BS1)

Prepared: 09/23/21 Analyzed: 09/24/21

Benzene	0.0744	0.0020	mg/kg	0.100		74.4	70-130			
Toluene	0.115	0.0050	"	0.100		115	70-130			
Ethylbenzene	0.0895	0.0050	"	0.100		89.5	70-130			
m,p-Xylene	0.192	0.010	"	0.200		95.9	70-130			
o-Xylene	0.0941	0.0050	"	0.100		94.1	70-130			
1,2,4-Trimethylbenzene	0.0969	0.0050	"	0.100		96.9	70-130			
1,3,5-Trimethylbenzene	0.0943	0.0050	"	0.100		94.3	70-130			
Naphthalene	0.0912	0.0038	"	0.100		91.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0459		"	0.0400		115	23-173			
Surrogate: Toluene-d8	0.0546		"	0.0400		137	20-170			
Surrogate: 4-Bromofluorobenzene	0.0453		"	0.0400		113	21-167			

Matrix Spike (BEI0502-MS1)

Source: 2109314-01

Prepared: 09/23/21 Analyzed: 09/24/21

Benzene	0.0721	0.0020	mg/kg	0.100	ND	72.1	70-130			
Toluene	0.120	0.0050	"	0.100	ND	120	70-130			
Ethylbenzene	0.0920	0.0050	"	0.100	ND	92.0	70-130			
m,p-Xylene	0.196	0.010	"	0.200	ND	98.1	70-130			
o-Xylene	0.0971	0.0050	"	0.100	ND	97.1	70-130			
1,2,4-Trimethylbenzene	0.0988	0.0050	"	0.100	ND	98.8	70-130			
1,3,5-Trimethylbenzene	0.0973	0.0050	"	0.100	ND	97.3	70-130			
Naphthalene	0.0956	0.0038	"	0.100	ND	95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0434		"	0.0400		109	23-173			
Surrogate: Toluene-d8	0.0546		"	0.0400		137	20-170			
Surrogate: 4-Bromofluorobenzene	0.0441		"	0.0400		110	21-167			

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0502 - EPA 5030 Soil MS

Matrix Spike Dup (BEI0502-MSD1)		Source: 2109314-01			Prepared: 09/23/21 Analyzed: 09/24/21					
Benzene	0.0747	0.0020	mg/kg	0.100	ND	74.7	70-130	3.64	30	
Toluene	0.120	0.0050	"	0.100	ND	120	70-130	0.525	30	
Ethylbenzene	0.0887	0.0050	"	0.100	ND	88.7	70-130	3.59	30	
m,p-Xylene	0.184	0.010	"	0.200	ND	92.1	70-130	6.29	30	
o-Xylene	0.0945	0.0050	"	0.100	ND	94.5	70-130	2.76	30	
1,2,4-Trimethylbenzene	0.0967	0.0050	"	0.100	ND	96.7	70-130	2.09	30	
1,3,5-Trimethylbenzene	0.0947	0.0050	"	0.100	ND	94.7	70-130	2.69	30	
Naphthalene	0.101	0.0038	"	0.100	ND	101	70-130	5.73	30	
Surrogate: 1,2-Dichloroethane-d4		0.0470	"	0.0400		118	23-173			
Surrogate: Toluene-d8		0.0553	"	0.0400		138	20-170			
Surrogate: 4-Bromofluorobenzene		0.0448	"	0.0400		112	21-167			

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting			Spike	Source	%REC		RPD	
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0503 - EPA 3550A

Blank (BEI0503-BLK1)

Prepared & Analyzed: 09/23/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEI0503-BS1)

Prepared & Analyzed: 09/23/21

C10-C28 (DRO)	522	50	mg/kg	500	104	70-130
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Matrix Spike (BEI0503-MS1)

Source: 2109314-01

Prepared & Analyzed: 09/23/21

C10-C28 (DRO)	517	50	mg/kg	500	12.6	101	70-130
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Matrix Spike Dup (BEI0503-MSD1)

Source: 2109314-01

Prepared: 09/23/21 Analyzed: 09/24/21

C10-C28 (DRO)	596	50	mg/kg	500	12.6	117	70-130	14.3	20
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BEI0494 - EPA 5030 Soil MS

Blank (BEI0494-BLK1)

Prepared: 09/23/21 Analyzed: 09/28/21

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	0.0221		"	0.0333		66.4	40-150			
Surrogate: Fluoranthene-d10	0.0285		"	0.0333		85.5	40-150			

LCS (BEI0494-BS1)

Prepared: 09/23/21 Analyzed: 09/28/21

Acenaphthene	0.0300	0.00500	mg/kg	0.0333		89.9	31-137			
Anthracene	0.0333	0.00500	"	0.0333		99.8	30-120			
Benzo (a) anthracene	0.0307	0.00500	"	0.0333		92.1	30-120			
Benzo (a) pyrene	0.0274	0.00500	"	0.0333		82.3	30-120			
Benzo (b) fluoranthene	0.0275	0.00500	"	0.0333		82.5	30-120			
Benzo (k) fluoranthene	0.0292	0.00500	"	0.0333		87.7	30-120			
Chrysene	0.0292	0.00500	"	0.0333		87.6	30-120			
Dibenz (a,h) anthracene	0.0266	0.00500	"	0.0333		79.9	30-120			
Fluoranthene	0.0250	0.00500	"	0.0333		75.0	30-120			
Fluorene	0.0322	0.00500	"	0.0333		96.6	30-120			
Indeno (1,2,3-cd) pyrene	0.0112	0.00500	"	0.0333		33.5	30-120			
Pyrene	0.0418	0.00500	"	0.0333		125	35-142			
1-Methylnaphthalene	0.0282	0.00500	"	0.0333		84.7	35-142			
2-Methylnaphthalene	0.0217	0.00500	"	0.0333		65.2	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0208		"	0.0333		62.4	40-150			
Surrogate: Fluoranthene-d10	0.0264		"	0.0333		79.2	40-150			

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0494 - EPA 5030 Soil MS

Matrix Spike (BEI0494-MS1)

Source: 2109322-01

Prepared: 09/23/21 Analyzed: 09/28/21

Acenaphthene	0.0222	0.00500	mg/kg	0.0333	ND	66.5	31-137		
Anthracene	0.0258	0.00500	"	0.0333	ND	77.3	30-120		
Benzo (a) anthracene	0.0243	0.00500	"	0.0333	ND	72.8	30-120		
Benzo (a) pyrene	0.0211	0.00500	"	0.0333	ND	63.3	30-120		
Benzo (b) fluoranthene	0.0158	0.00500	"	0.0333	ND	47.3	30-120		
Benzo (k) fluoranthene	0.0248	0.00500	"	0.0333	ND	74.5	30-120		
Chrysene	0.0263	0.00500	"	0.0333	ND	79.0	30-120		
Dibenz (a,h) anthracene	0.0220	0.00500	"	0.0333	ND	65.9	30-120		
Fluoranthene	0.0208	0.00500	"	0.0333	ND	62.4	30-120		
Fluorene	0.0244	0.00500	"	0.0333	ND	73.3	30-120		
Indeno (1,2,3-cd) pyrene	0.0268	0.00500	"	0.0333	ND	80.3	30-120		
Pyrene	0.0339	0.00500	"	0.0333	ND	102	35-142		
1-Methylnaphthalene	0.0182	0.00500	"	0.0333	ND	54.7	15-130		
2-Methylnaphthalene	0.0161	0.00500	"	0.0333	ND	48.2	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0157		"	0.0333		47.0	40-150		
Surrogate: Fluoranthene-d10	0.0220		"	0.0333		66.1	40-150		

Matrix Spike Dup (BEI0494-MSD1)

Source: 2109322-01

Prepared: 09/23/21 Analyzed: 09/28/21

Acenaphthene	0.0285	0.00500	mg/kg	0.0333	ND	85.6	31-137	25.1	30
Anthracene	0.0313	0.00500	"	0.0333	ND	94.0	30-120	19.6	30
Benzo (a) anthracene	0.0288	0.00500	"	0.0333	ND	86.3	30-120	17.0	30
Benzo (a) pyrene	0.0244	0.00500	"	0.0333	ND	73.2	30-120	14.5	30
Benzo (b) fluoranthene	0.0208	0.00500	"	0.0333	ND	62.3	30-120	27.4	30
Benzo (k) fluoranthene	0.0272	0.00500	"	0.0333	ND	81.5	30-120	8.96	30
Chrysene	0.0270	0.00500	"	0.0333	ND	81.0	30-120	2.46	30
Dibenz (a,h) anthracene	0.0243	0.00500	"	0.0333	ND	73.0	30-120	10.1	30
Fluoranthene	0.0242	0.00500	"	0.0333	ND	72.5	30-120	14.9	30
Fluorene	0.0303	0.00500	"	0.0333	ND	90.9	30-120	21.5	30
Indeno (1,2,3-cd) pyrene	0.0298	0.00500	"	0.0333	ND	89.3	30-120	10.6	30
Pyrene	0.0384	0.00500	"	0.0333	ND	115	35-142	12.4	30
1-Methylnaphthalene	0.0265	0.00500	"	0.0333	ND	79.5	15-130	36.9	50
2-Methylnaphthalene	0.0207	0.00500	"	0.0333	ND	62.1	15-130	25.1	50
Surrogate: 2-Methylnaphthalene-d10	0.0198		"	0.0333		59.4	40-150		
Surrogate: Fluoranthene-d10	0.0256		"	0.0333		76.9	40-150		

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0548 - EPA 3050B

Blank (BEI0548-BLK1)

Prepared: 09/24/21 Analyzed: 09/27/21

Boron ND 0.0100 mg/L

LCS (BEI0548-BS1)

Prepared: 09/24/21 Analyzed: 09/27/21

Boron 5.47 0.0100 mg/L 5.00 109 80-120

Duplicate (BEI0548-DUP1)

Source: 2109322-01

Prepared: 09/24/21 Analyzed: 09/28/21

Boron 2.43 0.0100 mg/L 2.27 6.74 20

Matrix Spike (BEI0548-MS1)

Source: 2109322-01

Prepared: 09/24/21 Analyzed: 09/28/21

Boron 7.40 0.0100 mg/L 5.00 2.27 102 75-125

Matrix Spike Dup (BEI0548-MSD1)

Source: 2109322-01

Prepared: 09/24/21 Analyzed: 09/28/21

Boron 7.22 0.0100 mg/L 5.00 2.27 99.0 75-125 2.38 25

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

Total Metals by EPA 6020B - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0516 - EPA 3050B

Blank (BEI0516-BLK1)

Prepared: 09/23/21 Analyzed: 09/26/21

Arsenic	ND	0.200	mg/kg wet
Barium	ND	0.400	"
Cadmium	ND	0.200	"
Copper	ND	0.400	"
Lead	ND	0.200	"
Nickel	ND	0.400	"
Selenium	ND	0.260	"
Silver	ND	0.0200	"
Zinc	ND	0.400	"

LCS (BEI0516-BS1)

Prepared: 09/23/21 Analyzed: 09/26/21

Arsenic	47.3	0.200	mg/kg wet	40.0	118	80-120
Barium	43.8	0.400	"	40.0	110	80-120
Cadmium	2.27	0.200	"	2.00	113	80-120
Copper	45.3	0.400	"	40.0	113	80-120
Lead	18.4	0.200	"	20.0	92.0	80-120
Nickel	46.5	0.400	"	40.0	116	80-120
Selenium	4.41	0.260	"	4.00	110	80-120
Silver	1.89	0.0200	"	2.00	94.6	80-120
Zinc	47.4	0.400	"	40.0	119	80-120

Duplicate (BEI0516-DUP1)

Source: 2109282-01

Prepared: 09/23/21 Analyzed: 09/26/21

Arsenic	1.60	0.224	mg/kg dry	1.63	1.35	20
Barium	43.6	0.447	"	46.9	7.25	20
Cadmium	0.0540	0.224	"	0.0563	4.16	20
Copper	5.97	0.447	"	6.29	5.17	20
Lead	4.10	0.224	"	3.90	4.96	20
Nickel	7.13	0.447	"	7.29	2.14	20
Selenium	0.560	0.291	"	0.617	9.55	20
Silver	0.0246	0.0224	"	0.0232	5.96	20
Zinc	29.1	0.447	"	28.9	0.642	20

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

Total Metals by EPA 6020B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0516 - EPA 3050B

Matrix Spike (BEI0516-MS1)		Source: 2109282-01			Prepared: 09/23/21 Analyzed: 09/26/21					
Arsenic	50.6	0.224	mg/kg dry	44.7	1.63	110	75-125			
Barium	90.6	0.447	"	44.7	46.9	97.8	75-125			
Cadmium	2.69	0.224	"	2.24	0.0563	118	75-125			
Copper	54.6	0.447	"	44.7	6.29	108	75-125			
Lead	26.3	0.224	"	22.4	3.90	100	75-125			
Nickel	52.2	0.447	"	44.7	7.29	100	75-125			
Selenium	4.68	0.291	"	4.47	0.617	90.8	75-125			
Silver	2.14	0.0224	"	2.24	0.0232	94.5	75-125			
Zinc	83.2	0.447	"	44.7	28.9	122	75-125			

Matrix Spike Dup (BEI0516-MSD1)		Source: 2109282-01			Prepared: 09/23/21 Analyzed: 09/26/21					
Arsenic	52.1	0.224	mg/kg dry	44.7	1.63	113	75-125	2.96	25	
Barium	94.4	0.447	"	44.7	46.9	106	75-125	4.16	25	
Cadmium	2.73	0.224	"	2.24	0.0563	120	75-125	1.53	25	
Copper	55.5	0.447	"	44.7	6.29	110	75-125	1.70	25	
Lead	26.9	0.224	"	22.4	3.90	103	75-125	2.07	25	
Nickel	53.6	0.447	"	44.7	7.29	104	75-125	2.75	25	
Selenium	4.57	0.291	"	4.47	0.617	88.5	75-125	2.19	25	
Silver	2.18	0.0224	"	2.24	0.0232	96.4	75-125	1.96	25	
Zinc	83.7	0.447	"	44.7	28.9	123	75-125	0.540	25	

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0545 - 3060A Mod

Blank (BEI0545-BLK1)

Prepared & Analyzed: 09/24/21

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BEI0545-BS1)

Prepared & Analyzed: 09/24/21

Chromium, Hexavalent 26.5 0.30 mg/kg wet 25.0 106 80-120

Duplicate (BEI0545-DUP1)

Source: 2109322-01

Prepared & Analyzed: 09/24/21

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BEI0545-MS1)

Source: 2109322-01

Prepared & Analyzed: 09/24/21

Chromium, Hexavalent 29.5 0.30 mg/kg dry 30.1 ND 98.0 75-125

Matrix Spike Dup (BEI0545-MSD1)

Source: 2109322-01

Prepared & Analyzed: 09/24/21

Chromium, Hexavalent 30.7 0.30 mg/kg dry 30.1 ND 102 75-125 4.00 20

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0576 - General Preparation

Blank (BEI0576-BLK1)

Prepared: 09/27/21 Analyzed: 09/29/21

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

LCS (BEI0576-BS1)

Prepared: 09/27/21 Analyzed: 09/29/21

Calcium	5.28	0.0500	mg/L wet	5.00	106	70-130
Magnesium	5.67	0.0500	"	5.00	113	70-130
Sodium	5.56	0.0500	"	5.00	111	70-130

Summit Scientific

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.



Remington Technologies	Project: Billings 1	
2307 W 8th St	Project Number: [none]	Reported:
Loveland CO, 80537	Project Manager: Jeff Carlo	09/29/21 12:40

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

Batch BEI0507 - General Preparation

Duplicate (BEI0507-DUP1)	Source: 2109322-01		Prepared: 09/23/21		Analyzed: 09/24/21	
% Solids	83.0	%	83.1	0.126	20	

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0577 - General Preparation

Blank (BEI0577-BLK1)

Prepared: 09/27/21 Analyzed: 09/28/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BEI0577-BS1)

Prepared: 09/27/21 Analyzed: 09/28/21

Specific Conductance (EC) 0.146 0.0100 mmhos/cm 0.150 97.5 90-110

Duplicate (BEI0577-DUP1)

Source: 2109322-01

Prepared: 09/27/21 Analyzed: 09/28/21

Specific Conductance (EC) 1.96 0.0100 mmhos/cm 1.97 0.254 20

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

Batch BEI0578 - General Preparation

LCS (BEI0578-BS1)

Prepared: 09/27/21 Analyzed: 09/28/21

pH	9.12	pH Units	9.21	99.0	95-105
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Duplicate (BEI0578-DUP1)

Source: 2109322-01

Prepared: 09/27/21 Analyzed: 09/28/21

pH	8.32	pH Units	8.31	0.120	20
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:40

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
RPD	Relative Percent Difference

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 29, 2021

Jeff Carlo
Remington Technologies
2307 W 8th St
Loveland, CO 80537

RE: Billings 1

Work Order #2109348

Enclosed are the results of analyses for samples received by Summit Scientific on 09/21/21 13:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B43 (9-11)	2109348-01	Soil	09/21/21 08:20	09/21/21 13:00
B44 (21.5-23.5)	2109348-02	Soil	09/21/21 09:00	09/21/21 13:00
B45 (10-11.5)	2109348-04	Soil	09/21/21 09:45	09/21/21 13:00

Summit Scientific

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.

2109348

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 (f)

Page 2 of 1

Project Manager: Jeff Carlo

E-Mail: Jcarlo@remingtontech.net; Ldent; Rmillunzi, christopher.rice@crestonepr.com

Project Name: Billings 1

Project Number:

Sampler Name: Jeff Carlo

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other ICE	Water	Soil	Air-Canister #	Other	Table 915 VOCs	DRO / ORO	Table 915 PAH	915 EC, SAR, pH, Boron (sat paste)	Table 915 Metals			Hold	Report to Residential Limits
1	B43 (9-11)	9/21/21	820	4				X		X			X	X	X	X	X				
2	B44 (21.5-23.5)	↓	900	↓				↓		↓			X	X	X	X	X				
3	B44 (24.5-25.5)	↓	915	↓				↓		↓									X		
4	B45 (10-11.5)	↓	945	↓				↓		↓			X	X	X	X	X				
5																					
6																					
7																					
8																					
9																					
10																					

Relinquished by:
Date/Time:

Received by:
Date/Time:

Turn Around Time (Check)

Relinquished by:
Date/Time:

Received by:
Date/Time:

Sample Integrity:

Relinquished by:
Date/Time:

Received by:
Date/Time:

Temperature Upon Receipt:

Please bill to Crestone Peak Resources (CPR)

S₂

Sample Receipt Checklist

S2 Work Order# _____

2109348

Client: REMINGTON TELH Client Project ID: BILLINGS1

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____

☒ ☐ ☐ ☐ ☐
Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Temp (°C)	16.5
-----------	------

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ON ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.
Muri P.
Custodian Printed Name or Initials

9/22/21
Date/Time



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B43 (9-11)
2109348-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEI0573	09/27/21	09/28/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		120 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.4 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0574	09/27/21	09/28/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		83.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B43 (9-11)
2109348-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		58.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		70.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.923	0.0100	mg/L	1	BEI0583	09/27/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B43 (9-11)
2109348-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	2.20	0.229	mg/kg dry	1	BEI0532	09/24/21	09/26/21	EPA 6020B
Barium	26.2	0.458	"	"	"	"	"	"
Cadmium	ND	0.229	"	"	"	"	"	"
Copper	26.2	0.458	"	"	"	"	"	"
Lead	15.7	0.229	"	"	"	"	"	"
Nickel	13.2	0.458	"	"	"	"	"	"
Selenium	0.936	0.297	"	"	"	"	"	"
Silver	0.0243	0.0229	"	"	"	"	"	"
Zinc	157	0.458	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0567	09/27/21	09/27/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	4.44	0.0572	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	7.69	0.0572	"	"	"	"	"	"	
Sodium	10.8	0.0572	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.719	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B43 (9-11)
2109348-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	87.4	%	1	BEI0535	09/24/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.54	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/21/21 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.93		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B44 (21.5-23.5)
2109348-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEI0573	09/27/21	09/28/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.98	0.50	"	"	"	"	"	"	

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		131 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		124 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	62	50	mg/kg	1	BEI0574	09/27/21	09/28/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		84.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B44 (21.5-23.5)
2109348-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		53.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		75.0 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.657	0.0100	mg/L	1	BEI0583	09/27/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B44 (21.5-23.5)
2109348-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	2.93	0.224	mg/kg dry	1	BEI0532	09/24/21	09/26/21	EPA 6020B
Barium	35.5	0.448	"	"	"	"	"	"
Cadmium	ND	0.224	"	"	"	"	"	"
Copper	11.8	0.448	"	"	"	"	"	"
Lead	10.5	0.224	"	"	"	"	"	"
Nickel	17.6	0.448	"	"	"	"	"	"
Selenium	0.825	0.291	"	"	"	"	"	"
Silver	ND	0.0224	"	"	"	"	"	"
Zinc	64.0	0.448	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0567	09/27/21	09/27/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	7.85	0.0560	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	7.73	0.0560	"	"	"	"	"	"	
Sodium	11.0	0.0560	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.667	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B44 (21.5-23.5)
2109348-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.4		%	1	BEI0535	09/24/21	09/24/21	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.78	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/21/21 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.43		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B45 (10-11.5)
2109348-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEI0573	09/27/21	09/28/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		122 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0574	09/27/21	09/28/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		83.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B45 (10-11.5)
2109348-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BEI0494	09/23/21	09/28/21	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		61.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		71.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	2.96	0.0100	mg/L	1	BEI0583	09/27/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B45 (10-11.5)
2109348-04 (Soil)

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Total Metals by EPA 6020B

Arsenic	6.13	0.247	mg/kg dry	1	BEI0532	09/24/21	09/26/21	EPA 6020B
Barium	37.3	0.495	"	"	"	"	"	"
Cadmium	0.653	0.247	"	"	"	"	"	"
Copper	35.6	0.495	"	"	"	"	"	"
Lead	19.6	0.247	"	"	"	"	"	"
Nickel	24.7	0.495	"	"	"	"	"	"
Selenium	1.49	0.322	"	"	"	"	"	"
Silver	0.0896	0.0247	"	"	"	"	"	"
Zinc	117	0.495	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0567	09/27/21	09/27/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	11.7	0.0619	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	9.17	0.0619	"	"	"	"	"	"	
Sodium	19.7	0.0619	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.05	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

B45 (10-11.5)
2109348-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	80.8	%	1	BEI0535	09/24/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	4.06	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/21/21 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.02		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0573 - EPA 5030 Soil MS

Blank (BEI0573-BLK1)

Prepared: 09/27/21 Analyzed: 09/28/21

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0407		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0498		"	0.0400		124	20-170			
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		98.0	21-167			

LCS (BEI0573-BS1)

Prepared: 09/27/21 Analyzed: 09/28/21

Benzene	0.0881	0.0020	mg/kg	0.100		88.1	70-130			
Toluene	0.0793	0.0050	"	0.100		79.3	70-130			
Ethylbenzene	0.0704	0.0050	"	0.100		70.4	70-130			
m,p-Xylene	0.144	0.010	"	0.200		72.2	70-130			
o-Xylene	0.0727	0.0050	"	0.100		72.7	70-130			
1,2,4-Trimethylbenzene	0.0724	0.0050	"	0.100		72.4	70-130			
1,3,5-Trimethylbenzene	0.0738	0.0050	"	0.100		73.8	70-130			
Naphthalene	0.0737	0.0038	"	0.100		73.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0365		"	0.0400		91.4	23-173			
Surrogate: Toluene-d8	0.0458		"	0.0400		115	20-170			
Surrogate: 4-Bromofluorobenzene	0.0422		"	0.0400		105	21-167			

Matrix Spike (BEI0573-MS1)

Source: 2109215-05

Prepared: 09/27/21 Analyzed: 09/28/21

Benzene	0.0892	0.0020	mg/kg	0.100	ND	89.2	70-130			
Toluene	0.0796	0.0050	"	0.100	ND	79.6	70-130			
Ethylbenzene	0.0965	0.0050	"	0.100	ND	96.5	70-130			
m,p-Xylene	0.196	0.010	"	0.200	ND	97.8	70-130			
o-Xylene	0.0706	0.0050	"	0.100	ND	70.6	70-130			
1,2,4-Trimethylbenzene	0.0709	0.0050	"	0.100	ND	70.9	70-130			
1,3,5-Trimethylbenzene	0.0728	0.0050	"	0.100	ND	72.8	70-130			
Naphthalene	0.0885	0.0038	"	0.100	ND	88.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0415		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0453		"	0.0400		113	20-170			
Surrogate: 4-Bromofluorobenzene	0.0422		"	0.0400		105	21-167			

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0573 - EPA 5030 Soil MS

Matrix Spike Dup (BEI0573-MSD1)		Source: 2109215-05			Prepared: 09/27/21 Analyzed: 09/28/21					
Benzene	0.0885	0.0020	mg/kg	0.100	ND	88.5	70-130	0.878	30	
Toluene	0.0799	0.0050	"	0.100	ND	79.9	70-130	0.414	30	
Ethylbenzene	0.0731	0.0050	"	0.100	ND	73.1	70-130	27.6	30	
m,p-Xylene	0.197	0.010	"	0.200	ND	98.7	70-130	0.932	30	
o-Xylene	0.0710	0.0050	"	0.100	ND	71.0	70-130	0.508	30	
1,2,4-Trimethylbenzene	0.0707	0.0050	"	0.100	ND	70.7	70-130	0.254	30	
1,3,5-Trimethylbenzene	0.0709	0.0050	"	0.100	ND	70.9	70-130	2.76	30	
Naphthalene	0.0864	0.0038	"	0.100	ND	86.4	70-130	2.44	30	
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	0.0398		"	0.0400		99.4	23-173			
Surrogate: Toluene-d8	0.0466		"	0.0400		116	20-170			
Surrogate: 4-Bromofluorobenzene	0.0406		"	0.0400		102	21-167			

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0574 - EPA 3550A

Blank (BEI0574-BLK1)

Prepared & Analyzed: 09/27/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEI0574-BS1)

Prepared & Analyzed: 09/27/21

C10-C28 (DRO)	624	50	mg/kg	500	125	70-130
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Matrix Spike (BEI0574-MS1)

Source: 2109215-05

Prepared & Analyzed: 09/27/21

C10-C28 (DRO)	596	50	mg/kg	500	11.2	117	70-130
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Matrix Spike Dup (BEI0574-MSD1)

Source: 2109215-05

Prepared & Analyzed: 09/27/21

C10-C28 (DRO)	554	50	mg/kg	500	11.2	109	70-130	7.31	20
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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike		Source		%REC		RPD	
	Result	Limit	Units	Level		Result		%REC	Limits	RPD	Limit

Batch BEI0494 - EPA 5030 Soil MS

Blank (BEI0494-BLK1)

Prepared: 09/23/21 Analyzed: 09/28/21

Acenaphthene	ND	0.00500	mg/kg								
Anthracene	ND	0.00500	"								
Benzo (a) anthracene	ND	0.00500	"								
Benzo (a) pyrene	ND	0.00500	"								
Benzo (b) fluoranthene	ND	0.00500	"								
Benzo (k) fluoranthene	ND	0.00500	"								
Chrysene	ND	0.00500	"								
Dibenz (a,h) anthracene	ND	0.00500	"								
Fluoranthene	ND	0.00500	"								
Fluorene	ND	0.00500	"								
Indeno (1,2,3-cd) pyrene	ND	0.00500	"								
Pyrene	ND	0.00500	"								
1-Methylnaphthalene	ND	0.00500	"								
2-Methylnaphthalene	ND	0.00500	"								
Surrogate: 2-Methylnaphthalene-d10	0.0221		"	0.0333		66.4		40-150			
Surrogate: Fluoranthene-d10	0.0285		"	0.0333		85.5		40-150			

LCS (BEI0494-BS1)

Prepared: 09/23/21 Analyzed: 09/28/21

Acenaphthene	0.0300	0.00500	mg/kg	0.0333		89.9		31-137			
Anthracene	0.0333	0.00500	"	0.0333		99.8		30-120			
Benzo (a) anthracene	0.0307	0.00500	"	0.0333		92.1		30-120			
Benzo (a) pyrene	0.0274	0.00500	"	0.0333		82.3		30-120			
Benzo (b) fluoranthene	0.0275	0.00500	"	0.0333		82.5		30-120			
Benzo (k) fluoranthene	0.0292	0.00500	"	0.0333		87.7		30-120			
Chrysene	0.0292	0.00500	"	0.0333		87.6		30-120			
Dibenz (a,h) anthracene	0.0266	0.00500	"	0.0333		79.9		30-120			
Fluoranthene	0.0250	0.00500	"	0.0333		75.0		30-120			
Fluorene	0.0322	0.00500	"	0.0333		96.6		30-120			
Indeno (1,2,3-cd) pyrene	0.0112	0.00500	"	0.0333		33.5		30-120			
Pyrene	0.0418	0.00500	"	0.0333		125		35-142			
1-Methylnaphthalene	0.0282	0.00500	"	0.0333		84.7		35-142			
2-Methylnaphthalene	0.0217	0.00500	"	0.0333		65.2		35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0208		"	0.0333		62.4		40-150			
Surrogate: Fluoranthene-d10	0.0264		"	0.0333		79.2		40-150			

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0494 - EPA 5030 Soil MS

Matrix Spike (BEI0494-MS1)		Source: 2109322-01			Prepared: 09/23/21		Analyzed: 09/28/21	
Acenaphthene	0.0222	0.00500	mg/kg	0.0333	ND	66.5	31-137	
Anthracene	0.0258	0.00500	"	0.0333	ND	77.3	30-120	
Benzo (a) anthracene	0.0243	0.00500	"	0.0333	ND	72.8	30-120	
Benzo (a) pyrene	0.0211	0.00500	"	0.0333	ND	63.3	30-120	
Benzo (b) fluoranthene	0.0158	0.00500	"	0.0333	ND	47.3	30-120	
Benzo (k) fluoranthene	0.0248	0.00500	"	0.0333	ND	74.5	30-120	
Chrysene	0.0263	0.00500	"	0.0333	ND	79.0	30-120	
Dibenz (a,h) anthracene	0.0220	0.00500	"	0.0333	ND	65.9	30-120	
Fluoranthene	0.0208	0.00500	"	0.0333	ND	62.4	30-120	
Fluorene	0.0244	0.00500	"	0.0333	ND	73.3	30-120	
Indeno (1,2,3-cd) pyrene	0.0268	0.00500	"	0.0333	ND	80.3	30-120	
Pyrene	0.0339	0.00500	"	0.0333	ND	102	35-142	
1-Methylnaphthalene	0.0182	0.00500	"	0.0333	ND	54.7	15-130	
2-Methylnaphthalene	0.0161	0.00500	"	0.0333	ND	48.2	15-130	
Surrogate: 2-Methylnaphthalene-d10		0.0157	"	0.0333		47.0	40-150	
Surrogate: Fluoranthene-d10		0.0220	"	0.0333		66.1	40-150	

Matrix Spike Dup (BEI0494-MSD1)		Source: 2109322-01			Prepared: 09/23/21		Analyzed: 09/28/21	
Acenaphthene	0.0285	0.00500	mg/kg	0.0333	ND	85.6	31-137	25.1 30
Anthracene	0.0313	0.00500	"	0.0333	ND	94.0	30-120	19.6 30
Benzo (a) anthracene	0.0288	0.00500	"	0.0333	ND	86.3	30-120	17.0 30
Benzo (a) pyrene	0.0244	0.00500	"	0.0333	ND	73.2	30-120	14.5 30
Benzo (b) fluoranthene	0.0208	0.00500	"	0.0333	ND	62.3	30-120	27.4 30
Benzo (k) fluoranthene	0.0272	0.00500	"	0.0333	ND	81.5	30-120	8.96 30
Chrysene	0.0270	0.00500	"	0.0333	ND	81.0	30-120	2.46 30
Dibenz (a,h) anthracene	0.0243	0.00500	"	0.0333	ND	73.0	30-120	10.1 30
Fluoranthene	0.0242	0.00500	"	0.0333	ND	72.5	30-120	14.9 30
Fluorene	0.0303	0.00500	"	0.0333	ND	90.9	30-120	21.5 30
Indeno (1,2,3-cd) pyrene	0.0298	0.00500	"	0.0333	ND	89.3	30-120	10.6 30
Pyrene	0.0384	0.00500	"	0.0333	ND	115	35-142	12.4 30
1-Methylnaphthalene	0.0265	0.00500	"	0.0333	ND	79.5	15-130	36.9 50
2-Methylnaphthalene	0.0207	0.00500	"	0.0333	ND	62.1	15-130	25.1 50
Surrogate: 2-Methylnaphthalene-d10		0.0198	"	0.0333		59.4	40-150	
Surrogate: Fluoranthene-d10		0.0256	"	0.0333		76.9	40-150	

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0583 - EPA 3050B

Blank (BEI0583-BLK1)

Prepared: 09/27/21 Analyzed: 09/28/21

Boron ND 0.0100 mg/L

LCS (BEI0583-BS1)

Prepared: 09/27/21 Analyzed: 09/28/21

Boron 5.21 0.0100 mg/L 5.00 104 80-120

Duplicate (BEI0583-DUP1)

Source: 2109215-05

Prepared: 09/27/21 Analyzed: 09/28/21

Boron 0.0628 0.0100 mg/L 0.0794 23.4 20 QR-04

Matrix Spike (BEI0583-MS1)

Source: 2109215-05

Prepared: 09/27/21 Analyzed: 09/28/21

Boron 5.44 0.0100 mg/L 5.00 0.0794 107 75-125

Matrix Spike Dup (BEI0583-MSD1)

Source: 2109215-05

Prepared: 09/27/21 Analyzed: 09/28/21

Boron 4.89 0.0100 mg/L 5.00 0.0794 96.2 75-125 10.6 25

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Total Metals by EPA 6020B - Quality Control
Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0532 - EPA 3050B

Blank (BEI0532-BLK1)

Prepared: 09/24/21 Analyzed: 09/26/21

Arsenic	ND	0.200	mg/kg wet
Barium	ND	0.400	"
Cadmium	ND	0.200	"
Copper	ND	0.400	"
Lead	ND	0.200	"
Nickel	ND	0.400	"
Selenium	ND	0.260	"
Silver	ND	0.0200	"
Zinc	ND	0.400	"

LCS (BEI0532-BS1)

Prepared: 09/24/21 Analyzed: 09/26/21

Arsenic	45.9	0.200	mg/kg wet	40.0	115	80-120
Barium	37.8	0.400	"	40.0	94.5	80-120
Cadmium	2.28	0.200	"	2.00	114	80-120
Copper	40.1	0.400	"	40.0	100	80-120
Lead	19.5	0.200	"	20.0	97.4	80-120
Nickel	37.6	0.400	"	40.0	93.9	80-120
Selenium	4.17	0.260	"	4.00	104	80-120
Silver	2.00	0.0200	"	2.00	100	80-120
Zinc	45.1	0.400	"	40.0	113	80-120

Duplicate (BEI0532-DUP1)

Source: 2109348-01

Prepared: 09/24/21 Analyzed: 09/26/21

Arsenic	2.19	0.229	mg/kg dry	2.20	0.671	20
Barium	23.7	0.458	"	26.2	10.0	20
Cadmium	0.157	0.229	"	0.156	0.171	20
Copper	24.0	0.458	"	26.2	8.62	20
Lead	13.3	0.229	"	15.7	16.7	20
Nickel	11.7	0.458	"	13.2	12.0	20
Selenium	0.986	0.297	"	0.936	5.27	20
Silver	0.0244	0.0229	"	0.0243	0.383	20
Zinc	152	0.458	"	157	2.92	20

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Total Metals by EPA 6020B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0532 - EPA 3050B

Matrix Spike (BEI0532-MS1)		Source: 2109348-01			Prepared: 09/24/21 Analyzed: 09/26/21					
Arsenic	54.0	0.229	mg/kg dry	45.8	2.20	113	75-125			
Barium	63.9	0.458	"	45.8	26.2	82.4	75-125			
Cadmium	2.77	0.229	"	2.29	0.156	114	75-125			
Copper	65.3	0.458	"	45.8	26.2	85.5	75-125			
Lead	35.0	0.229	"	22.9	15.7	84.4	75-125			
Nickel	56.4	0.458	"	45.8	13.2	94.4	75-125			
Selenium	4.83	0.297	"	4.58	0.936	85.1	75-125			
Silver	2.27	0.0229	"	2.29	0.0243	98.3	75-125			
Zinc	207	0.458	"	45.8	157	110	75-125			

Matrix Spike Dup (BEI0532-MSD1)		Source: 2109348-01			Prepared: 09/24/21 Analyzed: 09/26/21					
Arsenic	56.6	0.229	mg/kg dry	45.8	2.20	119	75-125	4.71	25	
Barium	74.2	0.458	"	45.8	26.2	105	75-125	14.9	25	
Cadmium	2.78	0.229	"	2.29	0.156	115	75-125	0.388	25	
Copper	72.0	0.458	"	45.8	26.2	100	75-125	9.74	25	
Lead	39.3	0.229	"	22.9	15.7	103	75-125	11.5	25	
Nickel	60.7	0.458	"	45.8	13.2	104	75-125	7.39	25	
Selenium	5.22	0.297	"	4.58	0.936	93.7	75-125	7.82	25	
Silver	2.50	0.0229	"	2.29	0.0243	108	75-125	9.69	25	
Zinc	207	0.458	"	45.8	157	111	75-125	0.0437	25	

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0567 - 3060A Mod

Blank (BEI0567-BLK1)

Prepared & Analyzed: 09/27/21

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BEI0567-BS1)

Prepared & Analyzed: 09/27/21

Chromium, Hexavalent 24.0 0.30 mg/kg wet 25.0 96.0 80-120

Duplicate (BEI0567-DUP1)

Source: 2109215-01

Prepared & Analyzed: 09/27/21

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BEI0567-MS1)

Source: 2109215-01

Prepared & Analyzed: 09/27/21

Chromium, Hexavalent 26.9 0.30 mg/kg dry 25.8 ND 104 75-125

Matrix Spike Dup (BEI0567-MSD1)

Source: 2109215-01

Prepared & Analyzed: 09/27/21

Chromium, Hexavalent 26.9 0.30 mg/kg dry 25.8 ND 104 75-125 0.00 20

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0576 - General Preparation

Blank (BEI0576-BLK1)

Prepared: 09/27/21 Analyzed: 09/29/21

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

LCS (BEI0576-BS1)

Prepared: 09/27/21 Analyzed: 09/29/21

Calcium	5.28	0.0500	mg/L wet	5.00	106	70-130
Magnesium	5.67	0.0500	"	5.00	113	70-130
Sodium	5.56	0.0500	"	5.00	111	70-130

Summit Scientific

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.



Remington Technologies	Project: Billings 1	
2307 W 8th St	Project Number: [none]	Reported:
Loveland CO, 80537	Project Manager: Jeff Carlo	09/29/21 12:54

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

Batch BEI0535 - General Preparation

Duplicate (BEI0535-DUP1)	Source: 2109379-02	Prepared & Analyzed: 09/24/21
% Solids	94.0	% 93.8 0.169 20

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0577 - General Preparation

Blank (BEI0577-BLK1)

Prepared: 09/27/21 Analyzed: 09/28/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BEI0577-BS1)

Prepared: 09/27/21 Analyzed: 09/28/21

Specific Conductance (EC) 0.146 0.0100 mmhos/cm 0.150 97.5 90-110

Duplicate (BEI0577-DUP1)

Source: 2109322-01

Prepared: 09/27/21 Analyzed: 09/28/21

Specific Conductance (EC) 1.96 0.0100 mmhos/cm 1.97 0.254 20

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

Batch BEI0578 - General Preparation

LCS (BEI0578-BS1)

Prepared: 09/27/21 Analyzed: 09/28/21

pH	9.12	pH Units	9.21	99.0	95-105
----	------	----------	------	------	--------

Duplicate (BEI0578-DUP1)

Source: 2109322-01

Prepared: 09/27/21 Analyzed: 09/28/21

pH	8.32	pH Units	8.31	0.120	20
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:54

Notes and Definitions

QR-04	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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
RPD	Relative Percent Difference

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 29, 2021

Jeff Carlo
Remington Technologies
2307 W 8th St
Loveland, CO 80537

RE: Billings 1

Work Order #2109350

Enclosed are the results of analyses for samples received by Summit Scientific on 09/21/21 13:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, flowing script.

Paul Shrewsbury
President



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BK-2 (9.5-11)	2109350-01	Soil	09/21/21 11:25	09/21/21 13:00

Summit Scientific

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.

2109350

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 (f)

Page 1 of 1

Client: Remington Technologies, LLC.

Project Manager: Jeff Carlo

Address: 2307 W. 8th St.

E-Mail: Jcarlo@remingtontech.net; Ldent; Rmillunzi, christopher.rice@crestonepr.com

City/State/Zip: Loveland, CO 80537

Phone: 970-278-1646

Project Name: Billings 1

Sampler Name: Jeff Carlo

Project Number:

www.s2scientific.com

S₂

Sample Receipt Checklist

S2 Work Order# _____

2109350

Client: REMINGTON TECH Client Project ID: BILLINGS 1Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____☒ ☐ ☐ ☐ ☐Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Temp (°C)	16.5
-----------	------

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ON ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.Muri P.
Custodian Printed Name or Initials9-21-21
Date/Time



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

BK-2 (9.5-11)
2109350-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEI0520	09/24/21	09/27/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		123 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.4 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEI0522	09/24/21	09/25/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		131 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

BK-2 (9.5-11)
2109350-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	0.333	0.0500	mg/kg	10	BEI0494	09/23/21	09/27/21	EPA 8270D SIM	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) anthracene	0.150	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.199	0.0500	"	"	"	"	"	"	
Chrysene	0.184	0.0500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	0.134	0.0500	"	"	"	"	"	"	
Fluorene	0.625	0.0500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0500	"	"	"	"	"	"	
Pyrene	0.141	0.0500	"	"	"	"	"	"	
1-Methylnaphthalene	1.98	0.0500	"	"	"	"	"	"	
2-Methylnaphthalene	2.68	0.0500	"	"	"	"	"	"	

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	48.6 %	40-150	"	"	"	"	"	"	
Surrogate: Fluoranthene-d10	55.1 %	40-150	"	"	"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.618	0.0100	mg/L	1	BEI0583	09/27/21	09/28/21	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

BK-2 (9.5-11)
2109350-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	3.51	0.237	mg/kg dry	1	BEI0532	09/24/21	09/26/21	EPA 6020B
Barium	68.9	0.475	"	"	"	"	"	"
Cadmium	0.309	0.237	"	"	"	"	"	"
Copper	22.7	0.475	"	"	"	"	"	"
Lead	16.3	0.237	"	"	"	"	"	"
Nickel	18.7	0.475	"	"	"	"	"	"
Selenium	1.40	0.309	"	"	"	"	"	"
Silver	0.0414	0.0237	"	"	"	"	"	"
Zinc	105	0.475	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BEI0567	09/27/21	09/27/21	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	13.6	0.0593	mg/L dry	1	BEI0576	09/27/21	09/29/21	EPA 6020B	
Magnesium	4.87	0.0593	"	"	"	"	"	"	
Sodium	9.21	0.0593	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.545	0.00100	units	1	BEI0618	09/29/21	09/29/21	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

BK-2 (9.5-11)
2109350-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	84.3	%	1	BEI0533	09/24/21	09/24/21	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.60	0.0100	mmhos/cm	1	BEI0577	09/27/21	09/28/21	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/21/21 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.35		pH Units	1	BEI0578	09/27/21	09/28/21	EPA 9045D	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0520 - EPA 5030 Soil MS

Blank (BEI0520-BLK1)

Prepared: 09/23/21 Analyzed: 09/25/21

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0404		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0470		"	0.0400		117	20-170			
Surrogate: 4-Bromofluorobenzene	0.0401		"	0.0400		100	21-167			

LCS (BEI0520-BS1)

Prepared: 09/23/21 Analyzed: 09/25/21

Benzene	0.0555	0.0020	mg/kg	0.0750		74.0	70-130			
Toluene	0.0728	0.0050	"	0.0750		97.1	70-130			
Ethylbenzene	0.0620	0.0050	"	0.0750		82.6	70-130			
m,p-Xylene	0.125	0.010	"	0.150		83.2	70-130			
o-Xylene	0.0640	0.0050	"	0.0750		85.4	70-130			
1,2,4-Trimethylbenzene	0.0623	0.0050	"	0.0750		83.0	70-130			
1,3,5-Trimethylbenzene	0.0633	0.0050	"	0.0750		84.4	70-130			
Naphthalene	0.0671	0.0038	"	0.0750		89.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0368		"	0.0400		91.9	23-173			
Surrogate: Toluene-d8	0.0462		"	0.0400		115	20-170			
Surrogate: 4-Bromofluorobenzene	0.0421		"	0.0400		105	21-167			

Matrix Spike (BEI0520-MS1)

Source: 2109313-01

Prepared: 09/23/21 Analyzed: 09/25/21

Benzene	0.0566	0.0020	mg/kg	0.0750	ND	75.4	70-130			
Toluene	0.0776	0.0050	"	0.0750	ND	103	70-130			
Ethylbenzene	0.0675	0.0050	"	0.0750	ND	90.0	70-130			
m,p-Xylene	0.136	0.010	"	0.150	ND	90.4	70-130			
o-Xylene	0.0693	0.0050	"	0.0750	ND	92.4	70-130			
1,2,4-Trimethylbenzene	0.0686	0.0050	"	0.0750	ND	91.4	70-130			
1,3,5-Trimethylbenzene	0.0686	0.0050	"	0.0750	ND	91.4	70-130			
Naphthalene	0.0812	0.0038	"	0.0750	0.00828	97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0387		"	0.0400		96.7	23-173			
Surrogate: Toluene-d8	0.0453		"	0.0400		113	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		102	21-167			

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0520 - EPA 5030 Soil MS

Matrix Spike Dup (BEI0520-MSD1)		Source: 2109313-01			Prepared: 09/23/21 Analyzed: 09/25/21					
Benzene	0.0602	0.0020	mg/kg	0.0750	ND	80.3	70-130	6.27	30	
Toluene	0.0795	0.0050	"	0.0750	ND	106	70-130	2.41	30	
Ethylbenzene	0.0658	0.0050	"	0.0750	ND	87.7	70-130	2.57	30	
m,p-Xylene	0.136	0.010	"	0.150	ND	90.3	70-130	0.0221	30	
o-Xylene	0.0692	0.0050	"	0.0750	ND	92.3	70-130	0.130	30	
1,2,4-Trimethylbenzene	0.0689	0.0050	"	0.0750	ND	91.9	70-130	0.567	30	
1,3,5-Trimethylbenzene	0.0681	0.0050	"	0.0750	ND	90.8	70-130	0.615	30	
Naphthalene	0.0886	0.0038	"	0.0750	0.00828	107	70-130	8.69	30	
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	0.0418		"	0.0400		105	23-173			
Surrogate: Toluene-d8	0.0454		"	0.0400		113	20-170			
Surrogate: 4-Bromofluorobenzene	0.0421		"	0.0400		105	21-167			

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0522 - EPA 3550A

Blank (BEI0522-BLK1)

Prepared: 09/23/21 Analyzed: 09/24/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEI0522-BS1)

Prepared: 09/23/21 Analyzed: 09/24/21

C10-C28 (DRO)	577	50	mg/kg	500	115	70-130
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Matrix Spike (BEI0522-MS1)

Source: 2109318-01

Prepared: 09/23/21 Analyzed: 09/24/21

C10-C28 (DRO)	581	50	mg/kg	500	12.0	114	70-130
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Matrix Spike Dup (BEI0522-MSD1)

Source: 2109318-01

Prepared: 09/23/21 Analyzed: 09/24/21

C10-C28 (DRO)	621	50	mg/kg	500	12.0	122	70-130	6.61	20
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike		Source		%REC		RPD	
	Result	Limit	Units	Level		Result		%REC	Limits	RPD	Limit

Batch BEI0494 - EPA 5030 Soil MS

Blank (BEI0494-BLK1)

Prepared: 09/23/21 Analyzed: 09/28/21

Acenaphthene	ND	0.00500	mg/kg								
Anthracene	ND	0.00500	"								
Benzo (a) anthracene	ND	0.00500	"								
Benzo (a) pyrene	ND	0.00500	"								
Benzo (b) fluoranthene	ND	0.00500	"								
Benzo (k) fluoranthene	ND	0.00500	"								
Chrysene	ND	0.00500	"								
Dibenz (a,h) anthracene	ND	0.00500	"								
Fluoranthene	ND	0.00500	"								
Fluorene	ND	0.00500	"								
Indeno (1,2,3-cd) pyrene	ND	0.00500	"								
Pyrene	ND	0.00500	"								
1-Methylnaphthalene	ND	0.00500	"								
2-Methylnaphthalene	ND	0.00500	"								
Surrogate: 2-Methylnaphthalene-d10	0.0221		"	0.0333		66.4		40-150			
Surrogate: Fluoranthene-d10	0.0285		"	0.0333		85.5		40-150			

LCS (BEI0494-BS1)

Prepared: 09/23/21 Analyzed: 09/28/21

Acenaphthene	0.0300	0.00500	mg/kg	0.0333		89.9		31-137			
Anthracene	0.0333	0.00500	"	0.0333		99.8		30-120			
Benzo (a) anthracene	0.0307	0.00500	"	0.0333		92.1		30-120			
Benzo (a) pyrene	0.0274	0.00500	"	0.0333		82.3		30-120			
Benzo (b) fluoranthene	0.0275	0.00500	"	0.0333		82.5		30-120			
Benzo (k) fluoranthene	0.0292	0.00500	"	0.0333		87.7		30-120			
Chrysene	0.0292	0.00500	"	0.0333		87.6		30-120			
Dibenz (a,h) anthracene	0.0266	0.00500	"	0.0333		79.9		30-120			
Fluoranthene	0.0250	0.00500	"	0.0333		75.0		30-120			
Fluorene	0.0322	0.00500	"	0.0333		96.6		30-120			
Indeno (1,2,3-cd) pyrene	0.0112	0.00500	"	0.0333		33.5		30-120			
Pyrene	0.0418	0.00500	"	0.0333		125		35-142			
1-Methylnaphthalene	0.0282	0.00500	"	0.0333		84.7		35-142			
2-Methylnaphthalene	0.0217	0.00500	"	0.0333		65.2		35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0208		"	0.0333		62.4		40-150			
Surrogate: Fluoranthene-d10	0.0264		"	0.0333		79.2		40-150			

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike		Source		%REC		RPD	
	Result	Limit	Units	Level		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0494 - EPA 5030 Soil MS

Matrix Spike (BEI0494-MS1)

Source: 2109322-01

Prepared: 09/23/21 Analyzed: 09/28/21

Acenaphthene	0.0222	0.00500	mg/kg	0.0333	ND	66.5	31-137		
Anthracene	0.0258	0.00500	"	0.0333	ND	77.3	30-120		
Benzo (a) anthracene	0.0243	0.00500	"	0.0333	ND	72.8	30-120		
Benzo (a) pyrene	0.0211	0.00500	"	0.0333	ND	63.3	30-120		
Benzo (b) fluoranthene	0.0158	0.00500	"	0.0333	ND	47.3	30-120		
Benzo (k) fluoranthene	0.0248	0.00500	"	0.0333	ND	74.5	30-120		
Chrysene	0.0263	0.00500	"	0.0333	ND	79.0	30-120		
Dibenz (a,h) anthracene	0.0220	0.00500	"	0.0333	ND	65.9	30-120		
Fluoranthene	0.0208	0.00500	"	0.0333	ND	62.4	30-120		
Fluorene	0.0244	0.00500	"	0.0333	ND	73.3	30-120		
Indeno (1,2,3-cd) pyrene	0.0268	0.00500	"	0.0333	ND	80.3	30-120		
Pyrene	0.0339	0.00500	"	0.0333	ND	102	35-142		
1-Methylnaphthalene	0.0182	0.00500	"	0.0333	ND	54.7	15-130		
2-Methylnaphthalene	0.0161	0.00500	"	0.0333	ND	48.2	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0157		"	0.0333		47.0	40-150		
Surrogate: Fluoranthene-d10	0.0220		"	0.0333		66.1	40-150		

Matrix Spike Dup (BEI0494-MSD1)

Source: 2109322-01

Prepared: 09/23/21 Analyzed: 09/28/21

Acenaphthene	0.0285	0.00500	mg/kg	0.0333	ND	85.6	31-137	25.1	30
Anthracene	0.0313	0.00500	"	0.0333	ND	94.0	30-120	19.6	30
Benzo (a) anthracene	0.0288	0.00500	"	0.0333	ND	86.3	30-120	17.0	30
Benzo (a) pyrene	0.0244	0.00500	"	0.0333	ND	73.2	30-120	14.5	30
Benzo (b) fluoranthene	0.0208	0.00500	"	0.0333	ND	62.3	30-120	27.4	30
Benzo (k) fluoranthene	0.0272	0.00500	"	0.0333	ND	81.5	30-120	8.96	30
Chrysene	0.0270	0.00500	"	0.0333	ND	81.0	30-120	2.46	30
Dibenz (a,h) anthracene	0.0243	0.00500	"	0.0333	ND	73.0	30-120	10.1	30
Fluoranthene	0.0242	0.00500	"	0.0333	ND	72.5	30-120	14.9	30
Fluorene	0.0303	0.00500	"	0.0333	ND	90.9	30-120	21.5	30
Indeno (1,2,3-cd) pyrene	0.0298	0.00500	"	0.0333	ND	89.3	30-120	10.6	30
Pyrene	0.0384	0.00500	"	0.0333	ND	115	35-142	12.4	30
1-Methylnaphthalene	0.0265	0.00500	"	0.0333	ND	79.5	15-130	36.9	50
2-Methylnaphthalene	0.0207	0.00500	"	0.0333	ND	62.1	15-130	25.1	50
Surrogate: 2-Methylnaphthalene-d10	0.0198		"	0.0333		59.4	40-150		
Surrogate: Fluoranthene-d10	0.0256		"	0.0333		76.9	40-150		

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0583 - EPA 3050B

Blank (BEI0583-BLK1)

Prepared: 09/27/21 Analyzed: 09/28/21

Boron ND 0.0100 mg/L

LCS (BEI0583-BS1)

Prepared: 09/27/21 Analyzed: 09/28/21

Boron 5.21 0.0100 mg/L 5.00 104 80-120

Duplicate (BEI0583-DUP1)

Source: 2109215-05

Prepared: 09/27/21 Analyzed: 09/28/21

Boron 0.0628 0.0100 mg/L 0.0794 23.4 20 QR-04

Matrix Spike (BEI0583-MS1)

Source: 2109215-05

Prepared: 09/27/21 Analyzed: 09/28/21

Boron 5.44 0.0100 mg/L 5.00 0.0794 107 75-125

Matrix Spike Dup (BEI0583-MSD1)

Source: 2109215-05

Prepared: 09/27/21 Analyzed: 09/28/21

Boron 4.89 0.0100 mg/L 5.00 0.0794 96.2 75-125 10.6 25

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Total Metals by EPA 6020B - Quality Control
Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0532 - EPA 3050B

Blank (BEI0532-BLK1)

Prepared: 09/24/21 Analyzed: 09/26/21

Arsenic	ND	0.200	mg/kg wet
Barium	ND	0.400	"
Cadmium	ND	0.200	"
Copper	ND	0.400	"
Lead	ND	0.200	"
Nickel	ND	0.400	"
Selenium	ND	0.260	"
Silver	ND	0.0200	"
Zinc	ND	0.400	"

LCS (BEI0532-BS1)

Prepared: 09/24/21 Analyzed: 09/26/21

Arsenic	45.9	0.200	mg/kg wet	40.0	115	80-120
Barium	37.8	0.400	"	40.0	94.5	80-120
Cadmium	2.28	0.200	"	2.00	114	80-120
Copper	40.1	0.400	"	40.0	100	80-120
Lead	19.5	0.200	"	20.0	97.4	80-120
Nickel	37.6	0.400	"	40.0	93.9	80-120
Selenium	4.17	0.260	"	4.00	104	80-120
Silver	2.00	0.0200	"	2.00	100	80-120
Zinc	45.1	0.400	"	40.0	113	80-120

Duplicate (BEI0532-DUP1)

Source: 2109348-01

Prepared: 09/24/21 Analyzed: 09/26/21

Arsenic	2.19	0.229	mg/kg dry	2.20	0.671	20
Barium	23.7	0.458	"	26.2	10.0	20
Cadmium	0.157	0.229	"	0.156	0.171	20
Copper	24.0	0.458	"	26.2	8.62	20
Lead	13.3	0.229	"	15.7	16.7	20
Nickel	11.7	0.458	"	13.2	12.0	20
Selenium	0.986	0.297	"	0.936	5.27	20
Silver	0.0244	0.0229	"	0.0243	0.383	20
Zinc	152	0.458	"	157	2.92	20

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Total Metals by EPA 6020B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0532 - EPA 3050B

Matrix Spike (BEI0532-MS1)		Source: 2109348-01			Prepared: 09/24/21 Analyzed: 09/26/21					
Arsenic	54.0	0.229	mg/kg dry	45.8	2.20	113	75-125			
Barium	63.9	0.458	"	45.8	26.2	82.4	75-125			
Cadmium	2.77	0.229	"	2.29	0.156	114	75-125			
Copper	65.3	0.458	"	45.8	26.2	85.5	75-125			
Lead	35.0	0.229	"	22.9	15.7	84.4	75-125			
Nickel	56.4	0.458	"	45.8	13.2	94.4	75-125			
Selenium	4.83	0.297	"	4.58	0.936	85.1	75-125			
Silver	2.27	0.0229	"	2.29	0.0243	98.3	75-125			
Zinc	207	0.458	"	45.8	157	110	75-125			

Matrix Spike Dup (BEI0532-MSD1)		Source: 2109348-01			Prepared: 09/24/21 Analyzed: 09/26/21					
Arsenic	56.6	0.229	mg/kg dry	45.8	2.20	119	75-125	4.71	25	
Barium	74.2	0.458	"	45.8	26.2	105	75-125	14.9	25	
Cadmium	2.78	0.229	"	2.29	0.156	115	75-125	0.388	25	
Copper	72.0	0.458	"	45.8	26.2	100	75-125	9.74	25	
Lead	39.3	0.229	"	22.9	15.7	103	75-125	11.5	25	
Nickel	60.7	0.458	"	45.8	13.2	104	75-125	7.39	25	
Selenium	5.22	0.297	"	4.58	0.936	93.7	75-125	7.82	25	
Silver	2.50	0.0229	"	2.29	0.0243	108	75-125	9.69	25	
Zinc	207	0.458	"	45.8	157	111	75-125	0.0437	25	

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1
Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0567 - 3060A Mod

Blank (BEI0567-BLK1)

Prepared & Analyzed: 09/27/21

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BEI0567-BS1)

Prepared & Analyzed: 09/27/21

Chromium, Hexavalent 24.0 0.30 mg/kg wet 25.0 96.0 80-120

Duplicate (BEI0567-DUP1)

Source: 2109215-01

Prepared & Analyzed: 09/27/21

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BEI0567-MS1)

Source: 2109215-01

Prepared & Analyzed: 09/27/21

Chromium, Hexavalent 26.9 0.30 mg/kg dry 25.8 ND 104 75-125

Matrix Spike Dup (BEI0567-MSD1)

Source: 2109215-01

Prepared & Analyzed: 09/27/21

Chromium, Hexavalent 26.9 0.30 mg/kg dry 25.8 ND 104 75-125 0.00 20

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0576 - General Preparation

Blank (BEI0576-BLK1)

Prepared: 09/27/21 Analyzed: 09/29/21

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

LCS (BEI0576-BS1)

Prepared: 09/27/21 Analyzed: 09/29/21

Calcium	5.28	0.0500	mg/L wet	5.00	106	70-130
Magnesium	5.67	0.0500	"	5.00	113	70-130
Sodium	5.56	0.0500	"	5.00	111	70-130

Summit Scientific

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Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0533 - General Preparation

Duplicate (BEI0533-DUP1)

Source: 2109320-01

Prepared & Analyzed: 09/24/21

% Solids	81.3	%	81.1	0.213	20
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEI0577 - General Preparation

Blank (BEI0577-BLK1)

Prepared: 09/27/21 Analyzed: 09/28/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BEI0577-BS1)

Prepared: 09/27/21 Analyzed: 09/28/21

Specific Conductance (EC) 0.146 0.0100 mmhos/cm 0.150 97.5 90-110

Duplicate (BEI0577-DUP1)

Source: 2109322-01

Prepared: 09/27/21 Analyzed: 09/28/21

Specific Conductance (EC) 1.96 0.0100 mmhos/cm 1.97 0.254 20

Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

Batch BEI0578 - General Preparation

LCS (BEI0578-BS1)

Prepared: 09/27/21 Analyzed: 09/28/21

pH	9.12	pH Units	9.21	99.0	95-105
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Duplicate (BEI0578-DUP1)

Source: 2109322-01

Prepared: 09/27/21 Analyzed: 09/28/21

pH	8.32	pH Units	8.31	0.120	20
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Summit Scientific

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.



Remington Technologies
2307 W 8th St
Loveland CO, 80537

Project: Billings 1

Project Number: [none]
Project Manager: Jeff Carlo

Reported:
09/29/21 12:59

Notes and Definitions

QR-04	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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
RPD	Relative Percent Difference