

BKG12@2	
11/20/2025	
Arsenic (mg/kg):	6.02
Barium (mg/kg):	227
Cadmium (mg/kg):	0.467
Lead (mg/kg):	20.2
Selenium (mg/kg):	1.31

BKG19@2	
11/20/2025	
EC (mmhos/cm):	8.23
SAR:	7.08
Boron (mg/L):	2.88
Arsenic (mg/kg):	5.58
Barium (mg/kg):	148
Selenium (mg/kg):	1.07

BKG18@2	
11/20/2025	
Arsenic (mg/kg):	4.23
Barium (mg/kg):	90.9
Selenium (mg/kg):	0.362

BKG13@2	
11/20/2025	
Arsenic (mg/kg):	4.23
Barium (mg/kg):	120
Selenium (mg/kg):	0.321

BKG14@2	
11/20/2025	
Arsenic (mg/kg):	6.23
Barium (mg/kg):	186
Selenium (mg/kg):	0.431

BKG10@2	
11/20/2025	
EC (mmhos/cm):	4.15
Arsenic (mg/kg):	4.57
Barium (mg/kg):	216
Cadmium (mg/kg):	0.480
Lead (mg/kg):	16.8
Selenium (mg/kg):	1.09

BKG11@2	
11/20/2025	
Arsenic (mg/kg):	7.65
Barium (mg/kg):	246
Cadmium (mg/kg):	0.510
Lead (mg/kg):	19.1
Nickel (mg/kg):	27.4
Selenium (mg/kg):	1.21

BKG09@2	
11/20/2025	
Arsenic (mg/kg):	3.95
Barium (mg/kg):	126
Selenium (mg/kg):	0.458

BG02-0.5	
7/14/2021	
EC (mmhos/cm):	8.47
SAR:	10.3
Boron (mg/l):	2.26
Arsenic (mg/kg):	2.29
Barium (mg/kg):	145
Selenium (mg/kg):	0.353

BG02-3	
7/14/2021	
Arsenic (mg/kg):	1.84
Barium (mg/kg):	108
Selenium (mg/kg):	0.265

BKG08@2	
11/20/2025	
EC (mmhos/cm):	7.03
SAR:	6.26
Boron (mg/L):	2.51
Arsenic (mg/kg):	5.81
Barium (mg/kg):	254
Cadmium (mg/kg):	0.482
Lead (mg/kg):	15.6
Nickel (mg/kg):	26.5
Selenium (mg/kg):	0.839

BKG16@2	
11/20/2025	
Arsenic (mg/kg):	6.12
Barium (mg/kg):	201
Selenium (mg/kg):	0.387

BKG01@6	
8/13/2025	
Arsenic (mg/kg):	3.42
Chromium (VI) (mg/kg):	0.48
Selenium (mg/kg):	1.15

BKG01@8	
8/13/2025	
Arsenic (mg/kg):	0.538
Chromium (VI) (mg/kg):	0.29
Selenium (mg/kg):	0.261

BKG01@10	
8/13/2025	
Arsenic (mg/kg):	1.37
Chromium (VI) (mg/kg):	0.09 J
Selenium (mg/kg):	0.706

BKG02@6	
8/13/2025	
Arsenic (mg/kg):	4.11
Barium (mg/kg):	229
Chromium (VI) (mg/kg):	0.29
Selenium (mg/kg):	0.917

BKG02@8	
8/13/2025	
Arsenic (mg/kg):	1.18
Chromium (VI) (mg/kg):	0.72

BKG02@10	
8/13/2025	
Arsenic (mg/kg):	0.947
Chromium (VI) (mg/kg):	0.15 J

BKG03@6	
8/11/2025	
pH:	8.72
Arsenic (mg/kg):	0.712

BKG03@8	
8/11/2025	
pH:	8.46
Arsenic (mg/kg):	0.671

BKG03@10	
8/11/2025	
Arsenic (mg/kg):	2.28

BKG17@2	
11/20/2025	
EC (mmhos/cm):	4.03
Arsenic (mg/kg):	3.68
Barium (mg/kg):	225
Selenium (mg/kg):	0.485

BG03-0.5	
7/14/2021	
EC (mmhos/cm):	10.7
SAR:	13.6
Arsenic (mg/kg):	3.27
Barium (mg/kg):	180
Selenium (mg/kg):	0.470

BG03-3	
7/14/2021	
EC (mmhos/cm):	7.27
SAR:	7.94
Arsenic (mg/kg):	2.31
Barium (mg/kg):	130
Selenium (mg/kg):	0.331

BKG15@2	
11/20/2025	
EC (mmhos/cm):	6.65
SAR:	7.16
Boron (mg/L):	2.16
Arsenic (mg/kg):	5.38
Barium (mg/kg):	205
Selenium (mg/kg):	0.717

BKG07@6	
11/20/2025	
Arsenic (mg/kg):	1.63

BKG07@8	
11/20/2025	
Arsenic (mg/kg):	1.44

BKG07@10	
11/20/2025	
Arsenic (mg/kg):	0.756

BG1-1	
5/17/2021	
Arsenic (mg/kg):	2.42
Barium (mg/kg):	232

BKG06@6	
11/20/2025	
pH:	8.33
Arsenic (mg/kg):	5.09

BKG06@8	
11/20/2025	
pH:	8.36
Arsenic (mg/kg):	1.52

BKG06@10	
11/20/2025	
Arsenic (mg/kg):	1.38

BKG05@6	
11/20/2025	
Arsenic (mg/kg):	4.07
Barium (mg/kg):	148
Selenium (mg/kg):	0.571

BKG05@8	
11/20/2025	
Arsenic (mg/kg):	5.02
Barium (mg/kg):	164
Cadmium (mg/kg):	0.430
Selenium (mg/kg):	0.580

BKG05@10	
11/20/2025	
Arsenic (mg/kg):	5.89
Barium (mg/kg):	201
Cadmium (mg/kg):	0.408
Lead (mg/kg):	15.8
Selenium (mg/kg):	0.298

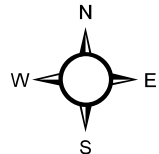
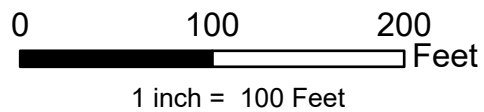
BKG04@6	
11/20/2025	
Arsenic (mg/kg):	11.0
Barium (mg/kg):	227
Chromium (VI) (mg/kg):	0.64
Lead (mg/kg):	17.6
Selenium (mg/kg):	0.333

BKG04@8	
11/20/2025	
Arsenic (mg/kg):	2.31
Barium (mg/kg):	187
Chromium (VI) (mg/kg):	0.46
Lead (mg/kg):	15.3
Nickel (mg/kg):	26.2

BKG04@10	
11/20/2025	
Arsenic (mg/kg):	1.31

**LABEL LEGEND**  
 XXXX@/-X: SAMPLE NAME @/- DEPTH IN FEET  
 BG/BKG: BACKGROUND SAMPLE  
 EC: ELECTRICAL CONDUCTIVITY  
 SAR: SODIUM ADSORPTION RATIO  
 mg/kg: MILLIGRAMS PER KILOGRAM  
 mg/L: MILLIGRAMS PER LITER  
 mmhos/cm: MILLIMHOS PER CENTIMETER  
**BOLD:** ABOVE ECMC TABLE 915-1 GWSSL, REPRESENTATIVE OF BACKGROUND LEVELS

**Legend**  
 ● Soil Sample



Project No: 021-060

Map By: JW

Date: 01/02/2026

**BACKGROUND SAMPLE LOCATIONS**  
 KIELIAN 2-2 WELLHEAD  
 PDC ENERGY  
 SE 1/4 SE 1/4 SECTION 2  
 T4N R67W, 6TH PM  
 WELD COUNTY, COLORADO



610 Garrison St., Unit T  
 Lakewood, CO 80215  
 303.378.4036

Figure

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