

TABLE 2
PUCKETT 275-1 BACKGROUND SAMPLES
SOIL ANALYTICAL RESULTS
CAERUS OIL AND GAS LLC
PICEANCE BASIN, COLORADO

PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	20201012-Puckett 275-1 (BG01)	20201012-Puckett 275-1 (BG02)	20201012-Puckett 275-1 (BG03)	20201012-Puckett 275-1 (BG04)
Sample Date			10/12/2020	10/12/2020	10/12/2020	10/12/2020
Sample Matix			Background	Background	Background	Background
Arsenic	0.39	mg/kg	12.6	23.7	12.7	4.55
Barium	15,000	mg/kg	NA	NA	NA	NA
Cadmium	70	mg/kg	NA	NA	NA	NA
Chromium (III)	120,000	mg/kg	NA	NA	NA	NA
Chromium (VI)	23	mg/kg	NA	NA	NA	NA
Copper	3,100	mg/kg	NA	NA	NA	NA
Lead	400	mg/kg	NA	NA	NA	NA
Mercury	23	mg/kg	NA	NA	NA	NA
Nickel	1,600	mg/kg	NA	NA	NA	NA
Selenium	390	mg/kg	NA	NA	NA	NA
Silver	390	mg/kg	NA	NA	NA	NA
Zinc	23,000	mg/kg	NA	NA	NA	NA
EC	4 or 2x background	mmhos/cm	0.195	0.09	0.0995	0.0508
pH	6-9	SU	7.16	7.34	7.42	6.52
SAR	12	unitless	0.0877	0.121	0.12	0.59
TPH-DRO			NA	NA	NA	NA
TPH-GRO			NA	NA	NA	NA
TPH	500	mg/kg	NA	NA	NA	NA
Benzene	0.17	mg/kg	NA	NA	NA	NA
Toluene	85	mg/kg	NA	NA	NA	NA
Ethylbenzene	100	mg/kg	NA	NA	NA	NA
Total Xylenes	175	mg/kg	NA	NA	NA	NA
Acenaphthene	1,000	mg/kg	NA	NA	NA	NA
Anthracene	1,000	mg/kg	NA	NA	NA	NA
Benz(a)anthracene	0.22	mg/kg	NA	NA	NA	NA
Benzo(b)fluoranthene	0.22	mg/kg	NA	NA	NA	NA
Benzo(k)fluoranthene	2.2	mg/kg	NA	NA	NA	NA
Benzo(a)pyrene	0.022	mg/kg	NA	NA	NA	NA
Chrysene	22	mg/kg	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.022	mg/kg	NA	NA	NA	NA
Fluoranthene	1,000	mg/kg	NA	NA	NA	NA
Fluorene	1,000	mg/kg	NA	NA	NA	NA
Indeno(1,2,3,c,d)pyrene	0.22	mg/kg	NA	NA	NA	NA
Naphthalene	23	mg/kg	NA	NA	NA	NA
Pyrene	1,000	mg/kg	NA	NA	NA	NA

Notes:

< - less than the stated reporting limit

Highlight - indicates result exceeds the COGCC concentration level

COGCC - Colorado Oil and Gas Conservation Commission

EC - electrical conductivity

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter

NA - not analyzed

ND - non detect

SAR - sodium adsorption ratio

SU - standard unit

TPH-GRO - total petroleum hydrocarbons-gasoline range organics

TPH-DRO - total petroleum hydrocarbons-diesel range organics

TPH - combination of TPH-GRO and TPH-DRO