

**TABLE 1**  
**004-696 CUTTINGS REMEDIATION**  
**SOIL ANALYTICAL RESULTS**  
**CAERUS OIL AND GAS LLC**  
**PICEANCE BASIN, COLORADO**

PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	20200415-004-696 (CUTSURF)
Sample Date			4/16/2020
Sample Matix			Cuttings
Arsenic	0.39	mg/kg	12.7
Barium	15,000	mg/kg	11200
Cadmium	70	mg/kg	<0.500
Chromium (III)	120,000	mg/kg	15.5
Chromium (VI)	23	mg/kg	<2.00
Copper	3,100	mg/kg	18.3
Lead	400	mg/kg	12.5
Mercury	23	mg/kg	<0.0400
Nickel	1,600	mg/kg	16.2
Selenium	390	mg/kg	<2.00
Silver	390	mg/kg	<1.00
Zinc	23,000	mg/kg	50.1
EC	4 or 2x background	mmhos/cm	2.31
pH	6-9	SU	9.33
SAR	12	unitless	35.6
TPH-DRO			24.7
TPH-GRO			2.03
TPH	500	mg/kg	26.73
Benzene	0.17	mg/kg	0.00232
Toluene	85	mg/kg	<0.00500
Ethylbenzene	100	mg/kg	<0.00250
Total Xylenes	175	mg/kg	<0.00650
Acenaphthene	1,000	mg/kg	<0.00600
Anthracene	1,000	mg/kg	<0.00600
Benz(a)anthracene	0.22	mg/kg	<0.00600
Benzo(b)fluoranthene	0.22	mg/kg	<0.00600
Benzo(k)fluoranthene	2.2	mg/kg	<0.00600
Benzo(a)pyrene	0.022	mg/kg	<0.00600
Chrysene	22	mg/kg	0.00600
Dibenzo(a,h)anthracene	0.022	mg/kg	<0.00600
Fluoranthene	1,000	mg/kg	<0.00600
Fluorene	1,000	mg/kg	0.0133
Indeno(1,2,3,c,d)pyrene	0.22	mg/kg	<0.00600
Naphthalene	23	mg/kg	0.104
Pyrene	1,000	mg/kg	0.00839

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