

TABLE 1
E09-696 FLOWLINE RELEASE
SOIL ANALYTICAL RESULTS
CAERUS OIL AND GAS LLC
PICEANCE BASIN, COLORADO

PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	20200416-E09 696 (POR) @ 8'	20200416-E09 696 (Stockpile)	E09-SEB-11210	E09-EB-11210	E09-SB-11210	E09-NB-11210	E09-EBC-11210
Sample Date			4/16/2020	4/16/2020	11/2/2010	11/2/2010	11/2/2010	11/2/2010	11/2/2010
Sample Matix			POR	Stockpile	Background	Background	Background	Background	Background
Arsenic	0.39	mg/kg	7.3	8.3	13	17	22	23	15
Barium	15,000	mg/kg	200	750	NA	NA	NA	NA	NA
Cadmium	70	mg/kg	0.43	0.42	NA	NA	NA	NA	NA
Chromium (III)	120,000	mg/kg	7.5	10	NA	NA	NA	NA	NA
Chromium (VI)	23	mg/kg	<1.0	<0.99	NA	NA	NA	NA	NA
Copper	3,100	mg/kg	13	15	NA	NA	NA	NA	NA
Lead	400	mg/kg	11	12	NA	NA	NA	NA	NA
Mercury	23	mg/kg	0.019	0.018	NA	NA	NA	NA	NA
Nickel	1,600	mg/kg	13	14	NA	NA	NA	NA	NA
Selenium	390	mg/kg	0.60	0.44	NA	NA	NA	NA	NA
Silver	390	mg/kg	0.068	0.065	NA	NA	NA	NA	NA
Zinc	23,000	mg/kg	62	72	NA	NA	NA	NA	NA
EC	4 or 2x background	mmhos/cm	1.6	5.1	NA	NA	NA	NA	NA
pH	6-9	SU	8.31	8.12	NA	NA	NA	NA	NA
SAR	12	unitless	4.1	3.2	NA	NA	NA	NA	NA
TPH-DRO			330	16	NA	NA	NA	NA	NA
TPH-GRO			31	58	NA	NA	NA	NA	NA
TPH	500	mg/kg	361	74	NA	NA	NA	NA	NA
Benzene	0.17	mg/kg	0.085	0.23	NA	NA	NA	NA	NA
Toluene	85	mg/kg	0.28	0.79	NA	NA	NA	NA	NA
Ethylbenzene	100	mg/kg	0.060	0.15	NA	NA	NA	NA	NA
Total Xylenes	175	mg/kg	0.60	1.4	NA	NA	NA	NA	NA
Acenaphthene	1,000	mg/kg	<0.00097	<0.00094	NA	NA	NA	NA	NA
Anthracene	1,000	mg/kg	<0.0017	<0.0016	NA	NA	NA	NA	NA
Benz(a)anthracene	0.22	mg/kg	<0.0021	0.014	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.22	mg/kg	<0.0012	0.024	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	2.2	mg/kg	<0.0015	0.0067	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.022	mg/kg	<0.0014	0.0076	NA	NA	NA	NA	NA
Chrysene	22	mg/kg	<0.0010	0.015	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.022	mg/kg	<0.0012	0.0029	NA	NA	NA	NA	NA
Fluoranthene	1,000	mg/kg	<0.00093	0.016	NA	NA	NA	NA	NA
Fluorene	1,000	mg/kg	<0.0017	0.0025	NA	NA	NA	NA	NA
Indeno(1,2,3,c,d)pyrene	0.22	mg/kg	<0.0018	0.0089	NA	NA	NA	NA	NA
Naphthalene	23	mg/kg	0.027	0.029	NA	NA	NA	NA	NA
Pyrene	1,000	mg/kg	<0.00083	0.0094	NA	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