

Gulfport Energy - Ridgeview 32-16-1
Attachment C - Analytical Summary
Confirmation Sampling



Table 915-1		Sample ID	Background	Separator	Wellhead				Tank Battery							
			BG-1 @ 6"	R_SEP_1 @ 1.5'	R_WH_1 @2'	R_WH_3 @ 2.5'	R_WH_5 @3'	R_WH_6 @1.5'	**R_TB_1 @9'	R_TB_4 @6'	R_TB_SW_1 @7'	R_TB_SW_2 @6'	R_TB_SW_3 @9'	R_TB_SW_5 @6'	R_TB_SW_6 @3'	R_TB_SW_7 @3'
			Depth - BGS (feet)													
Contaminant of Concern		Sample Date	4/25/22	7/28/22	7/28/22	7/28/22	7/28/22	7/28/22	8/3/22	8/3/22	8/3/22	8/3/22	8/3/22	8/3/22	8/3/22	8/3/22
Organic Compounds in Soil	RSSL	Units														
TPH (Gasoline Range Organics)	500	mg/kg	NA	ND	ND	1.71	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
TPH (Diesel Range Organics)		mg/kg	NA	145	ND	252	ND	ND	NA	ND	ND	32.6	ND	ND	ND	ND
TPH (Oil Range Organics)		mg/kg	NA	247	ND	170	ND	ND	NA	ND	ND	178	ND	ND	ND	ND
Total Petroleum Hydrocarbons (GRO+DRO+ORO)		mg/kg	NA	<500	<500	<500	<500	<500	NA	<500	<500	<500	<500	<500	<500	<500
Benzene	1.2	mg/kg	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Toluene	490	mg/kg	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.8	mg/kg	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	58	mg/kg	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	30	mg/kg	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	27	mg/kg	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	360	mg/kg	NA	0.00157	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Anthracene	1800	mg/kg	NA	0.00336	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1.1	mg/kg	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	mg/kg	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	11	mg/kg	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.11	mg/kg	NA	ND	ND	ND	ND	0.000582	NA	ND	ND	ND	ND	ND	ND	ND
Chrysene	110	mg/kg	NA	0.00952	ND	0.0121	ND	0.000913	NA	ND	ND	ND	ND	0.00108	ND	ND
Dibenzo(a,h)anthracene	0.11	mg/kg	NA	ND	ND	0.0364	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	240	mg/kg	NA	0.00235	ND	ND	ND	ND	NA	0.000425	ND	ND	0.000735	ND	ND	ND
Fluorene	240	mg/kg	NA	0.00171	ND	0.0291	ND	ND	NA	0.000648	ND	ND	0.000345	0.000308	ND	ND
Indeno(1,2,3-cd)pyrene	1.1	mg/kg	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	18	mg/kg	NA	ND	0.000689	0.0248	ND	ND	NA	0.00264	ND	ND	ND	0.00196	ND	ND
2-Methylnaphthalene	24	mg/kg	NA	ND	ND	0.00817	ND	ND	NA	0.00312	ND	ND	ND	0.00204	ND	ND
Naphthalene	2	mg/kg	NA	ND	ND	ND	0.00237	ND	NA	0.0021	ND	ND	ND	0.00124	ND	ND
Pyrene	180	mg/kg	NA	ND	ND	0.0128	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Soil Suitability for Reclamation																
Electrical Conductivity (EC)	<4 mmhos/cm	mmhos/cm	0.280	0.404	0.0802	0.363	0.546	0.747	0.494	0.760	1.28	0.334	1.82	0.677	0.206	0.289
Sodium Adsorption Ratio (SAR)	< 6	ratio	0.0412	0.119	0.303	0.981	1.06	0.896	9.26	2.27	6.48	0.476	4.41	10.9	0.0716	0.171
pH	6.0-8.3	su	8.31	7.56	7.25	7.14	7.96	7.87	9.30	8.37	8.63	8.52	8.44	8.60	8.20	8.37
Boron (Hot Water Soluble)	2	mg/l	0.343	ND	ND	ND	0.213	0.222	0.184	0.429	0.827	0.619	0.384	0.411	0.113	0.135
Metals in Soils																
Arsenic	0.68	mg/kg	6.36	4.34	3.78	3.20	4.74	4.66	1.18	3.55	5.19	5.0	4.29	3.73	4.03	3.01
Barium	15,000	mg/kg	96.6	124	90.7	86.5	158	128	53.2	89.1	132	106	101	127	100	92.6
Cadmium	71	mg/kg	0.263	0.190	0.127	0.151	0.273	0.159	0.0876	0.156	0.295	0.165	0.143	0.202	0.195	0.175
Chromium (Hexavalent)	0.3	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	3,100	mg/kg	11.7	8.80	8.80	8.92	9.88	10.5	ND	ND	ND	ND	ND	ND	ND	ND
Lead	400	mg/kg	10.9	7.25	6.44	6.13	8.74	8.50	1.93	6.16	8.23	8.52	7.04	6.72	6.19	5.27
Nickel	1,600	mg/kg	13.1	10.5	11.1	8.77	11.9	13.5	5.3	8.23	12.8	12.3	9.03	9.82	9.67	8.46
Selenium	390	mg/kg	0.181	0.157	0.165	0.178	0.256	0.205	ND	0.164	0.525	0.324	0.170	0.225	0.160	0.124
Silver	390	mg/kg	0.0329	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	23,000	mg/kg	44.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Concentrations in red font exceed Table 915-1 GSSL standards
RSSL = Residential Soil Screening Levels
ND - Non-detect - Analytical result is less than the reporting limit
mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter
**Sample issue, limited material to analyze
TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO/ORO)
SAR - Sodium Adsorption Ratio

SU - standard units
NA - Not Analyzed
BGS - Below Ground Surface