

Terra Energy Partners  River Ranch A - Riser Spill Soil Sampling	COGCC Table 915-1 Threshold  (GW Protection)	Initial Excavation Conf.					Additional Excavation Conf.						Background				
		SP 1	SP 2	SP 3	SP 4	SP 5	SP 1	SP 2	SP 3	SP 4	SP 5	SP 6	BKGD 1	BKGD 2	BKGD 3	BKGD 4	BKGD 5
		10/14/2021					10/27/2021						10/27/2021				
		Lab ID: 60383282					Lab ID: 11423565						L1424201				
GRO (C6-C10)	500	14.4	2.8	282	4.2	3.2	-	-	0.15	-	-	0.0495	-	-	-	-	-
DRO (C10-C26)		21.6	18.8	140	20.1	14.8	-	-	2.28	-	-	2.81	-	-	-	-	-
ERO (C26-C36)		16.8	26.8	693	24.9	15.8	-	-	2.3	-	-	4.56	-	-	-	-	-
(TPH)																	
BENZENE	0.0026	0.019	0.022	0.030	0.0030	0.011	ND	0.0019	0.0069	ND	0.00074	ND	-	-	-	-	-
TOLUENE	0.69	0.093	0.097	0.96	0.0067	0.054	ND	0.0028	0.0096	0.0021	0.0036	ND	-	-	-	-	-
ETHYLBENZENE	0.78	0.014	0.0067	0.29	0.003	0.0065	ND	ND	ND	0.0009	0.0022	ND	-	-	-	-	-
XYLENE TOTAL	9.9	0.15	0.063	10.4	0.023	0.073	ND	0.0011	0.0027	0.0137	0.037	ND	-	-	-	-	-
1,2,4 -TRIMETHYLBENZENE	0.0081	0.066	0.0088	5.2	0.011	0.0094	ND	ND	ND	0.0036	0.0173	ND	-	-	-	-	-
1,3,5 -TRIMETHYLBENZENE	0.0087	0.0034	ND	0.21	ND	ND	-	-	ND	-	-	ND	-	-	-	-	-
1-METHYLNAPHTHALENE	0.006	0.02	0.0098	0.57	ND	0.0073	ND	ND	0.0045	-	0.0206	ND	-	-	-	-	-
2-METHYLNAPHTHALENE	0.019	0.047	0.014	3.8	0.014	0.011	ND	-	0.0055	-	-	ND	-	-	-	-	-
ACENAPHTHENE	0.55	0.0021	ND	0.097	ND	ND	-	-	-	-	-	ND	-	-	-	-	-
ANTHRACENE	5.8	0.0055	ND	0.11	ND	ND	-	-	-	-	-	ND	-	-	-	-	-
BENZO(A)ANTHRACENE	0.011	ND	ND	ND	ND	ND	-	-	-	-	-	ND	-	-	-	-	-
BENZO(A)PYRENE	0.24	ND	ND	ND	ND	ND	-	-	-	-	-	ND	-	-	-	-	-
BENZO(B)FLUORANTHENE	1.1	ND	0.002	ND	0.002	ND	-	-	-	-	-	ND	-	-	-	-	-
BENZO(K)FLUORANTHENE	2.9	ND	ND	ND	ND	ND	-	-	-	-	-	ND	-	-	-	-	-
CHRYSENE	9	0.0064	0.0057	0.033	0.0059	0.0051	-	-	-	-	-	ND	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	0.096	ND	ND	ND	ND	ND	-	-	-	-	-	ND	-	-	-	-	-
FLUORANTHENE	8.9	ND	ND	ND	ND	ND	-	-	-	-	-	ND	-	-	-	-	-
FLUORENE	0.54	0.0071	ND	0.38	ND	ND	-	-	-	-	-	ND	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	0.98	0.016	ND	ND	ND	ND	-	-	-	-	-	ND	-	-	-	-	-
NAPHTHALENE	0.0038	0.016	0.0053	0.94	0.0047	0.0038	ND	ND	ND	ND	-	ND	-	-	-	-	-
PYRENE	1.3	0.0037	0.0021	0.03	0.0029	ND	-	-	-	-	-	ND	-	-	-	-	-
ARSENIC	0.29	4	4.8	3.4	4	5.5	-	-	-	-	-	1.7	2.29	2.11	2.06	1.23	1.98
BARIUM	82	873	218	203	226	229	-	-	-	-	-	111	179	144	91	219	192
CADMIUM	0.38	0.51	0.59	0.39	0.61	0.66	-	-	-	-	-	0.395	0.37	0.42	0.27	0.21	0.31
CHROMIUM (IV)	0.00067	ND	ND	ND	ND	ND	-	-	-	-	-	ND	ND	ND	ND	ND	ND
COPPER	46	11.6	12.5	8.8	11.8	16.9	-	-	-	-	-	8.68	10.8	8.42	6.84	6.11	8.9
LEAD	14	11.4	15.1	8.8	15.7	14.6	-	-	-	-	-	16.7	12.6	12	8.39	7.3	10.9
NICKEL	26	17.2	14.9	10.9	15	17.6	-	-	-	-	-	8.59	10.7	7.52	8.22	7.21	8.7
SELENIUM	0.26	0.89	ND	ND	ND	ND	-	-	-	-	-	ND	ND	ND	ND	ND	ND
SILVER	0.8	ND	ND	ND	ND	ND	-	-	-	-	-	ND	ND	ND	ND	ND	ND
ZINC	370	50.8	66.1	48.3	62.6	64.3	-	-	-	-	-	43.6	53.6	42.7	37.3	35.3	51.3
BORON (hot water soluble extract)	2	0.988	0.93	0.641	0.99	0.895	-	-	-	-	-	1.32	1.31	TBD	0.539	0.562	0.387
ELECTRICAL CONDUCTIVITY (EC) (mmho/cm)	<4 mmhos/cm or x2 bkgd	3.60	8.36	3.66	2.70	2.17	5.93	3.13	2.57	7.65	0.987	1.62	2.97	2.17	10.70	0.827	4.67
pH	6 to 8.3	8.34	8.35	8.09	8.85	8.92	8.19	8.98	8.62	8.18	7.65	8.16	8.27	8.29	7.51	7.30	7.75
SODIUM ADSORPTION RATIO (SAR)	6	10.9	27.9	12.2	11.0	8.12	22.0	21.9	10.0	25.1	3.37	7.48	8.8	7.84	9.59	2.00	9.71

Results reported in mg/kg unless otherwise noted. Refer to the raw data reports for any further clarification

Exceedances to Table 915-1 are highlighted in yellow

Constituents that no longer exceed Table 915-1 are highlighted in blue

Constituents that are comparable or below background are highlighted in grey

\*\*ND-Non-Detect (below laboratory detection limits)

(-) Indicates constituent was non-analyzed