

CAERUS OPERATING LLC
C28MF PIT REMEDIATION PROJECT
SOIL ANALYTICAL RESULTS
GARFIELD COUNTY, COLORADO

PROTECTION OF GROUNDWATER SOIL SCREENING LEVEL CONCENTRATION (mg/kg)				CONTAMINANTS OF CONCERN				ORGANIC COMPOUNDS IN SOIL																						
RESIDENTIAL SOIL SCREENING LEVEL CONCENTRATION (mg/kg)				500 mg/kg				0.0026	0.69	0.78	9.9	0.0081	0.0087	0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	5.9	0.54	0.98	0.006	0.019	0.0038	1.3		
								1.2	190	5.8	58	30	27	360	1800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	2	180		
Location	Sample Date	Sample Matrix	Matrix Notes	TPH (total volatile (C ₆ - C ₁₀) and extractable (C ₁₀ - C ₄₀) hydrocarbons)	TPH - GRO (C ₆ - C ₁₀) Low Fraction	TPH - DRO (C ₁₀ - C ₂₈) High Fraction	TPH - ORO (C ₂₈ - C ₃₈) Oil Fraction	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m-, and p-isomers = total xylenes)	1, 2, 4-trimethylbenzene	1, 3, 5-trimethylbenzene	Acenaphthene	Anthracene	Benzo[a]anthracene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[a]pyrene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1, 2, 3-cd]pyrene	1-methylnaphthalene	2-methylnaphthalene	Naphthalene	Pyrene		
G17 699 Texaco Fee 6214	06/08/21	Background		20210608-TEXACOFEE-6214-BKOND-1 (12-18)																										
G17 699 Texaco Fee 6214	06/08/21	Background		20210608-TEXACOFEE-6214-BKOND-1 (12")																										
G17 699 Texaco Fee 6214	10/08/21	Background		20211008-TEXACOFEE-6214-BG4(13")																										
G17 699 Texaco Fee 6214	10/08/21	Background		20211008-TEXACOFEE-6214-BG3(12-16")																										
G17 699 Texaco Fee 6214	10/08/21	Background		20211008-TEXACOFEE-6214-BG3(12-16")																										
G17 699 Texaco Fee 6214	10/08/21	Background		20211008-TEXACOFEE-6214-BG3(12-16")																										
G17 699 Texaco Fee 6214	10/08/21	Background		20211008-TEXACOFEE-6214-BG3(12-16")																										
G17 699 Texaco Fee 6214	10/08/21	Background		20211008-TEXACOFEE-6214-BG3(12-16")																										
G17 699 Texaco Fee 6214	10/28/21	Background		20211028-TEXACOFEE-6214-BG5(2-3)																										
G17 699 Texaco Fee 6214	10/28/21	Background		20211028-TEXACOFEE-6214-BG6(2-3)																										
G17 699 Texaco Fee 6214	06/07/21	Spill		20210617-TEXACOFEE-6214-SB5 (35-37)	103.224	0.224	24.2	78.8	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600		
G17 699 Texaco Fee 6214	06/07/21	Spill		20210617-TEXACOFEE-6214-SB5 (15-17)	60.127	0.147	9.78	50.2	<0.00100	0.00153	<0.00250	0.00117	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600		
G17 699 Texaco Fee 6214	06/07/21	Spill		20210617-TEXACOFEE-6214-SB5 (20-22)	181.646	0.146	37.5	144	<0.00100	0.00183	<0.00250	0.00123	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600		
G17 699 Texaco Fee 6214	06/07/21	Spill		20210617-TEXACOFEE-6214-SB5 (10-12)	67.2831	0.0831	17	50.2	<0.00100	<0.00500	<0.00250	0.00328	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600		
G17 699 Texaco Fee 6214	06/07/21	Spill		20210617-TEXACOFEE-6214-SB5 (25-27)	95.978	0.178	20.2	75.6	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600		
G17 699 Texaco Fee 6214	06/07/21	Spill		20210617-TEXACOFEE-6214-SB5 (30-32)	65.317	0.217	16	49.1	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600		
G17 699 Texaco Fee 6214	06/07/21	Spill		20210617-TEXACOFEE-6214-SB5 (5-7)	38.3125	0.0725	8.24	28	0.00055	0.00158	0.00295	0.00573	0.0016	0.00328	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600		
G17 699 Texaco Fee 6214	06/08/21	Spill		20210608-TEXACOFEE-6214-SB1 (30-32)	122.02	5.02	25.1	91.9	0.0816	1.63	0.12	1.16	0.0176	0.0229	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600		
G17 699 Texaco Fee 6214	06/08/21	Spill		20210608-TEXACOFEE-6214-SCREEN-POR (0-6)	34460	4820	20300	9340	0.226	16	4.8	252	187	104	<120	<0.00600	0.101	0.14	0.0742	<0.00600	<0.00600	0.543	<0.00600	0.564	6.58	<0.00600	60.9	71.1	30.7	0.361
G17 699 Texaco Fee 6214	06/08/21	Spill		20210608-TEXACOFEE-6214-SB1 (25-27)	89.37	2.67	20.9	65.8	0.0222	1.06	0.151	1.89	0.0819	0.0814	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
G17 699 Texaco Fee 6214	06/08/21	Spill		20210608-TEXACOFEE-6214-SB1 (15-17)	129.805	0.105	28.7	101	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
G17 699 Texaco Fee 6214	06/08/21	Spill		20210608-TEXACOFEE-6214-SB1 (35-37)	212.07	1.57	46.5	164	0.0467	0.426	0.0249	0.228	<0.00500	0.00525	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
G17 699 Texaco Fee 6214	06/08/21	Spill		20210608-TEXACOFEE-6214-SB1 (10-12)	<115.2	<0.100	27.2	87.9	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
G17 699 Texaco Fee 6214	06/08/21	Spill		20210608-TEXACOFEE-6214-SB1 (40-42)	260.3	4.2	54.1	202	0.042	0.63	0.0473	0.447	0.01	0.0121	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
G17 699 Texaco Fee 6214	06/08/21	Spill		20210608-TEXACOFEE-6214-SB1 (20-22)	115.877	0.177	24.6	91.1	0.00138	0.0225	<0.00250	0.0147	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
G17 699 Texaco Fee 6214	06/08/21	Spill		20210608-TEXACOFEE-6214-SB1 (45-47)	161.089	0.389	33.7	127	0.02775	0.5	0.0043	0.0376	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
G17 699 Texaco Fee 6214	06/08/21	Spill		20210608-TEXACOFEE-6214-SB1 (5-7)	<36.6	<0.100	10.9	25.6	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
G17 699 Texaco Fee 6214	06/09/21	Spill		20210609-TEXACOFEE-6214-SB2 (25-27)	141.328	0.826	44	96.5	0.000675	0.0424	0.0273	0.388	0.185	0.116	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
G17 699 Texaco Fee 6214	06/09/21	Spill		20210609-TEXACOFEE-6214-SB2 (15-17)	122.27	9.47	31.8	81	0.0217	0.733	0.143	5.44	1.73	1.16	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	
G17 699 Texaco Fee 6214	06/09/21	Spill		20210609-TEXACOFEE-6214-SB2 (40-42)	91.903	0.203	22.3	69.4	0.000725	0.0175	0.00448	0.0768	0.0317	0.0182																