



Laboratory Results Summary Table - Soil
Apache Canyon 6-9V

10/4/2022

Soil Screening and Remediation Limits				Organic Compounds (mg/kg [ppm])																									
COGCC Table 915-1 Residential -->			NA	500	NA	NA	NA	1.2	490	5.8	58	30	27	360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	18	24	2	180	
Sample Date	Solid/Soil Source (Equipment) [Vault/Sump, Separator, Tank Battery, Dump Line, Pit, Cuttings, Background, etc.]	Sample ID	PID (ppm)	TPH (total volatile and extractable petroleum hydrocarbons) (GRO+DRO+ORO)	TPH-GRO (C6-C10) Low Fraction	TPH-DRO (C10-C28) High Fraction	TPH-ORO (C28-C36) High Fraction	Benzene	Toluene	Ethylbenzene	Xylenes - total (sum of o, m, p- isomers)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Acenaphthene	Anthracene	Benzo(A)anthracene	Benzo(A)pyrene	Benzo(B)fluoranthene	Benzo(K)fluoranthene	Chrysene	Dibenzo(A,H)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-C,D)pyrene	1- Methyleneaphthalene	2- Methyleneaphthalene	Naphthalene	Pyrene	
9/6/2022	Pit	220906_APACHE_BOTTOM_HOLE_CS2 (1030)13.5'	11.4	117.0	0.109	60.4	56.5	0.00114	0.00904	0.0486	0.384	0.165	0.0355	0.0141	<0.00600	0.0114	0.00650	0.00993	<0.00600	0.0118	0.00229	0.0107	0.0289	0.00270	0.412	0.822	0.322	0.0121	
9/6/2022	Pit	220906_APACHE_SIDE-WALL_CS3(1040)7.0'	14.6	257	0.361	134	123	0.00255	0.00895	0.00232	0.0183	0.00968	0.00395	0.00292	<0.00600	0.00603	0.00380	0.00802	<0.00600	0.00789	<0.00600	0.00679	0.0120	0.00219	0.129	0.227	0.171	0.00823	
9/6/2022	Pit	220906_APACHE_SIDE-WALL_CS4(1050)7.0'	8.1	169.9	0.282	86.9	82.7	<0.00100	0.00208	0.00107	0.00445	0.00170	<0.00500	<0.00600	<0.00600	0.00238	<0.00600	0.00646	<0.00600	0.00488	<0.00600	0.00288	<0.00600	<0.00600	0.00887	0.0124	0.0143	0.00310	
9/6/2022	Pit	220906_APACHE_SIDE-WALL_CS5(1100)7.0'	1.3	27.8	0.639	13.8	13.4	0.0831	0.0360	0.0245	0.244	0.0405	0.0316	<0.00600	<0.00600	<0.00600	<0.00600	0.00183	<0.00600	0.00261	<0.00600	<0.00600	0.00573	<0.00600	0.0114	0.0297	0.0123	0.00217	
9/6/2022	Pit	220906_APACHE_SIDE-WALL_CS6(1115)7.0'	2.0	21.9	0.0919	11.8	9.99	0.00159	0.0626	0.0117	0.0843	0.0144	0.00490	<0.00600	<0.00600	0.00281	<0.00600	0.00345	<0.00600	0.00372	<0.00600	0.00307	<0.00600	<0.00600	0.0475	0.0809	0.0925	0.00444	
9/6/2022	Pit	220906_APACHE_STOCKPILE_SP1(1130)	73.5	638	2.12	440	196	0.00159	0.00364	0.00162	0.00950	0.00457	0.00306	0.00333	<0.00600	0.00333	0.00191	0.00479	<0.00600	0.00665	<0.00600	0.00564	0.00899	0.00198	0.0344	0.0656	0.0241	0.00718	
9/6/2022	Pit	220906_APACHE_BOTTOM-HOLE_CS1(1015)13.5'	4.6	78.2	0.708	44.2	33.3	0.00110	0.00523	0.00738	0.0771	0.141	0.0394	0.0198	<0.00600	0.0126	0.00778	0.00954	0.00224	0.0161	0.00246	0.0123	0.0340	0.00336	0.493	0.909	0.214	0.0195	
9/6/2022	Flowline	220906_APACHE_WATER-FL_AT_PIT_CS7(1200)4.5'	0.0	88.1	0.0321	41.1	47.0	<0.00101	<0.00505	<0.00253	0.00131	<0.00505	<0.00505	<0.00600	<0.00600	0.00341	0.00193	0.00647	<0.00600	0.0100	<0.00600	0.00464	<0.00600	<0.00600	0.0273	0.0366	0.0191	0.00702	
9/6/2022	Flowline	220906_APACHE_METER-HOUSE_CS9(1220)4.5'	0.4	4.78	<0.100	2.48	2.30	<0.00101	<0.00505	<0.00253	<0.00656	<0.00505	<0.00505	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
9/6/2022	Flowline	220906_APACHE_GAS-FL_AT_WH_CS11(1240)3.5	0.0	36.2	<0.100	18.1	18.1	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	0.00321	0.00276	0.00376	<0.00600	0.00315	<0.00600	<0.00600	<0.00600	0.00200	0.00451	0.00545	<0.0200	0.00615	
9/6/2022	Flowline	220906_APACHE_WATER-FL_GAS-FL_TO_SWD_SAL	2.5	9.76	<0.100	4.21	5.55	<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	<0.0200	<0.0200	<0.0200	<0.00600		
9/6/2022	Flowline	220906_APACHE_WATER-FL_AT_METER-HOUSE_CS	0.4	6.39	0.137	2.38	3.87	<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	<0.0200	0.00654	0.00420	<0.00600		
9/6/2022	Flowline	220906_APACHE_GAS-FL_AT_METER-HOUSE_CS10	0.4	5.14	0.0244	2.52	2.60	<0.00101	<0.00505	<0.00253	<0.00656	<0.00505	<0.00505	<0.00600	<0.00600	0.00243	0.00231	0.00363	<0.00600	0.00283	<0.00600	0.00434	<0.00600	0.00204	<0.0200	<0.0200	<0.0200	0.00441	
7/7/2022	Background	220707_APACHE_BG(1600)0.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
7/7/2022	Background	220707_APACHE_BG(1540)0.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
7/7/2022	Background	220707_APACHE_BG(1515)0.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
7/7/2022	Background	220707_APACHE_BG(1610)0.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Soil Screening and Remediation Limits			Soil Suitability for Reclamation				Metals (mg/kg [ppm])									
COGCC Table 915-1 Residential -->			4	6	6-8.3	2	0.68	15000	71	0.3	3100	400	1500	390	390	23000
Sample Date	Solid/Soil Source (Equipment) [Vault/Sump, Separator, Tank, Battery, Dump Line, Pit, Cuttings, Background, etc.]	Sample ID	EC (Specific Conductance) (millimhos/centimeter) (by saturated paste method)	SAR (Sodium Adsorption Ratio) (calculation) (by saturated paste method)	pH (pH Units) (by saturated paste method)	Boron - Hot Water Soluble (mg/L)	Arsenic	Barium	Cadmium (mg/kg)	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
9/6/2022	Pit	220906_APACHE_BOTTOM_HOLE_CS2 (1030)13.5'	0.280	3.49	8.57	0.110	4.01	222	0.299	<1.00	55.2	20.2	33.6	0.899	<1.00	98.9
9/6/2022	Pit	220906_APACHE_SIDE-WALL_CS3(1040)7.0'	1.620	3.16	7.58	1.31	2.65	280	<0.500	<1.00	33.6	13.9	15.6	1.68	<1.00	70.7
9/6/2022	Pit	220906_APACHE_SIDE-WALL_CS4(1050)7.0'	1.480	4.13	8.02	0.228	2.34	310	<0.500	0.530	32.7	13.3	15.9	1.05	<1.00	64.9
9/6/2022	Pit	220906_APACHE_SIDE-WALL_CS5(1100)7.0'	0.887	5.01	8.26	0.760	3.77	217	0.0807	<1.00	27.7	13.3	16.5	1.70	<1.00	75.1
9/6/2022	Pit	220906_APACHE_SIDE-WALL_CS6(1115)7.0'	0.284	5.06	8.86	0.470	2.47	811	<0.500	<1.00	30.1	12.5	14.0	1.02	<1.00	58.4
9/6/2022	Pit	220906_APACHE_STOCKPILE_SP1(1130)	1.310	5.68	7.76	1.17	3.47	324	0.487	<1.00	33.1	13.5	16.9	<2.00	<1.00	82.0
9/6/2022	Pit	220906_APACHE_BOTTOM-HOLE_CS1(1015)13.5'	0.337	8.09	9.12	0.173	29.4	243	0.489	<1.00	53.6	48.7	46.2	<2.00	<1.00	87.9
9/6/2022	Flowline	220906_APACHE_WATER-FL_AT_PIT_CS7(1200)4.5'	0.270	2.64	8.55	0.287	2.89	474	0.0655	<1.00	37.8	17.2	20.1	2.18	<1.00	88.7
9/6/2022	Flowline	220906_APACHE_METER-HOUSE_CS9(1220)4.5'	0.112	0.246	7.02	0.217	1.89	147	0.267	<1.00	21.6	10.9	13.7	<2.00	<1.00	53.4
9/6/2022	Flowline	220906_APACHE_GAS-FL_AT_WH_CS11(1240)3.5	0.374	3.16	8.43	0.204	2.16	246	0.162	0.425	26.7	10.9	14.5	<2.00	<1.00	59.2
9/6/2022	Flowline	220906_APACHE_WATER-FL_GAS-FL_TO_SWD_SAL	0.248	1.60	8.28	0.137	2.21	244	0.122	0.406	26.4	10.5	13.4	<2.00	<1.00	59.8
9/6/2022	Flowline	220906_APACHE_WATER-FL_AT_METER-HOUSE_CS	0.211	1.61	8.44	0.175	2.65	286	0.299	0.562	26.7	13.1	14.7	<2.00	<1.00	56.8
9/6/2022	Flowline	220906_APACHE_GAS-FL_AT_METER-HOUSE_CS10	0.300	1.31	8.21	0.153	2.46	251	0.313	0.429	27.4	13.4	15.6	<2.00	<1.00	60.9
7/7/2022	Background	220707_APACHE_BG(1600)0.5'	0.147	0.107	7.07	0.378	2.36	189	0.205	<1.00	30.4	12.5	15.2	<2.00	<1.00	70.9
7/7/2022	Background	220707_APACHE_BG(1540)0.5'	0.0989	0.0484	7.12	0.318	2.31	179	0.240	<1.00	31.1	13.3	15.8	<2.00	<1.00	74.2
7/7/2022	Background	220707_APACHE_BG(1515)0.5'	0.0806	0.0531	7.09	0.235	2.55	190	0.221	<1.00	30.9	13.2	13.6	<2.00	<1.00	66.8
7/7/2022	Background	220707_APACHE_BG(1610)0.5'	0.266	0.0783	7.55	0.347	2.69	192	0.306	<1.00	33.1	13.5	15.2	<2.00	<1.00	72.1