

Table 910-1			Mutual 1-17H							Soil
CONCENTRATION LEVELS			Sampling Analytical Summary 2/23/19							
Contaminant of Concern	Concentrations	Units	Composite Sample	Sample Site 1	Sample Site 2	Sample Site 3	Sample Site 4	Sample Site 5	Sample Site 6	
Organic Compounds in Soil			SDE_M1-17_ SS_C_1-2	17_ SS_01_1-2	17_ SS_02_1-2	17_ SS_03_1-2	17_ SS_04_1-2	17_ SS_05_1-2	17_ SS_06_1-2	
Organics)	500	mg/kg	0.178	0.329	0.0424	0.184	0.116	0.0561	0.342	
TPH (Diesel Range Organics)		mg/kg	9.43	20.4	11.3	53.3	3.71	31.2	10.6	
Benzene		0.17	mg/kg	0.000737	0.00431	0.00034	0.00503	ND	0.00111	0.00191
Toluene	85	mg/kg	0.00106	0.00586	0.000529	0.00561	ND	0.000888	0.00257	
Ethylbenzene	100	mg/kg	0.000479	0.0014	0.00101	0.00114	ND	0.000216	0.00061	
Xylenes (total)	175	mg/kg	0.00254	0.0066	0.000714	0.0054	ND	0.00112	0.00361	
Acenaphthene	1000	mg/kg	ND	0.00441	ND	0.00342	ND	ND	ND	
Anthracene	1000	mg/kg	0.000838	ND	ND	ND	ND	0.00067	ND	
Benzo(A)anthracene	0.22	mg/kg	0.0016	ND	0.000631	ND	ND	0.00105	ND	
Benzo(B)fluoranthene	0.22	mg/kg	0.00156	ND	ND	ND	ND	ND	ND	
Benzo(K)fluoranthene	2.2	mg/kg	0.000612	ND	ND	ND	ND	ND	ND	
Benzo(A)pyrene	0.022	mg/kg	0.001	0.00062	ND	ND	ND	ND	ND	
Chrysene	22	mg/kg	0.00129	ND	ND	ND	ND	ND	ND	
Dibenzo(A,H)anthracene	0.022	mg/kg	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	1000	mg/kg	0.00263	0.000702	ND	ND	ND	ND	ND	
Fluorene	1000	mg/kg	0.00118	0.00112	0.000876	0.00102	ND	ND	ND	
Indeno(1,2,3,C,D)pyrene	0.22	mg/kg	ND	ND	ND	ND	ND	ND	ND	
Napthalene	23	mg/kg	0.00458	0.00676	ND	0.00386	0.00451	0.00381	0.00579	
Pyrene	1000	mg/kg	0.00314	0.00646	ND	0.00498	ND	0.00158	0.00117	
Organic Compounds in Ground Water										
Benzene	5	µg/l	NA	NA	NA	NA	NA	NA	NA	
Toluene	560 to 1000	µg/l	NA	NA	NA	NA	NA	NA	NA	
Ethylbenzene	700	µg/l	NA	NA	NA	NA	NA	NA	NA	
Xylenes (total)	1400 to 10,000	µg/l	NA	NA	NA	NA	NA	NA	NA	
Inorganics in Soils										
Electrical Conductivity (EC)	<4000 or 2x background	umhos/cm	1630	1450	2840	3100	3260	2310	3160	
Sodium Adsorption Ratio (SAR)	<12	NA	22.6	24.6	9.94	15.4	21.5	12.1	29	
pH	6.0-9.0	NA	7.95	7.85	7.87	7.95	8.06	8.37	7.91	
Inorganics in Ground Water										
Total Dissolved Solids (TDS)	<1.25 x background	NA	NA	NA	NA	NA	NA	NA	NA	
Chlorides	<1.25 x background	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfates	<1.25 x background	NA	NA	NA	NA	NA	NA	NA	NA	
Metals in Soils										
Arsenic	0.39	mg/kg	0.658	0.739	1.49	0.743	0.627	1.06	1.16	
Barium Total	15,000	mg/kg	426	1040	543	782	284	553	1710	
Boron (Hot Water Soluble)	2	mg/L	NA	ND	NA	ND	ND	ND	ND	
Boron		mg/kg	ND	5.64	ND	ND	ND	ND	2.42	
Cadmium	70	mg/kg	ND	ND	ND	ND	ND	ND	7.11	
Chromium (III)	120,000	mg/kg	8.76	3.14	10.4	5.94	9.39	12.6	7.11	
Chromium (VI)	23	mg/kg	ND	ND	ND	ND	ND	ND	ND	
Copper	3,100	mg/kg	9.74	4.81	11	9.77	10.5	15.6	11.6	
Lead	400	mg/kg	2.73	1.41	2.79	3.13	3.58	5.77	4.16	
Mercury	23	mg/kg	0.0149	0.00919	0.0103	0.017	0.0166	0.0202	0.0156	
Nickel	1,600	mg/kg	8.17	2.82	12.1	6.75	8.27	10.6	6.92	
Selenium	390	mg/kg	ND	0.62	ND	ND	ND	ND	ND	
Silver	390	mg/kg	ND	ND	ND	ND	ND	ND	ND	
Zinc	23,000	mg/kg	27.8	ND	35.2	22	25.2	35.6	24.1	
Chromium		mg/kg	8.76	10.7	12.8	5.94	9.39	12.6	7.11	
Liquid Hydrocarbons in Soils and Ground Water										
Liquid hydrocarbons including condensate and oil	Below detection level	NA	NA	NA	NA	NA	NA	NA	NA	