



		RA11											
		6/16/2022	7/7/2022										8/23/2022
Contaminant of Concern	Cleanup Concentration (mg/kg unless otherwise noted)	20220610_RA11_POR@5ft	20220707_RA11_POR@7ft	20220707_RA11_PH01@7ft	20220707_RA11_PH02@5ft	20220707_RA11_PH03@5ft	20220707_RA11_PH05@6ft	20220707_RA11_PH06@6ft	20220707_RA11_PH07@5ft	20220707_RA11_PH08@5ft	20220707_RA11_PH09@5ft	20220707_RA11_PH10@5ft	20220823_RA11_PH01
Soil TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	500	684.64	0.9681	113.76	8.283	121.39	37.77	1.1852	9.915	1.1674	1.7912	1.676	NM
TPH Low Fraction GFO (C6-C10)		457	05331	4.39	4.55	7.67	7.04	0.0552 J	4.09	0.0574 J	0.0312 J	0.0560 J	NM
GFO (C10-C36)		222	U	1.18	1.06	19.0	28.6	U	5.54	U	U	U	NM
MRO (C28-C36)		5.64	0.915	7.37	0.553 J	7.92	2.13 J	1.13 J	0.285 J	1.11 J	1.76 J	1.62 J	NM
Soils and groundwater - liquid hydrocarbons including condensate and oil	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	N/A
Electrical conductivity (EC) (by saturated paste method)	<4mmhos/cm	1.94	0.523	1.00	0.779	1.77	1.05	0.296	0.233	0.322	0.206	0.234	NM
Sodium adsorption ratio (SAR) (by saturated paste method)	<6 SAR units	14.3	10.9	19.9	17.3	21.0	13.9	1.17	0.998	0.579	0.631	1.19	NM
pH (by saturated paste method)	6-8.3 pH units	7.79 TB	9.00 TB	9.51 TB	9.04 TB	8.62 TB	8.96 TB	8.22 TB	8.31 TB	8.71 TB	8.34 TB	8.56 TB	7.24 TB
Boron (hot water soluble soil extract)	2 mg/L	0.389	0.285	0.2571	0.251	0.261	0.157 J	0.261	0.206	0.292	0.271	0.277	NM
Organic Compounds in Soils	Residential Soil Screening Level Concentrations												
benzene	1.2	0.0986	U	0.0005751	0.0111	0.00133	U	U	0.0652	U	U	U	NM
toluene	490	1.43	001971	0.001431	0.0274	0.00265 J	U	U	0.244	0.00222 J	U	U	NM
ethylbenzene	5.8	0.345	U	0.00328	0.0145	0.0573	0.0148	U	0.0096	U	U	U	NM
xylenes (sum of o-, m- and p- isomers + total xylenes)	58	8.75	201751	0.004031	0.269	0.0321	0.0577	0.00496 J	0.951	0.00460 J	U	0.00320 J	NM
1,2,4-trimethylbenzene	30	2.04	U	0.0107	0.0379	0.563	0.385	U	0.0798	U	U	U	NM
1,3,5-trimethylbenzene	27	2.14	U	0.133	0.0383	1.63	0.0344	U	0.0779	U	U	U	NM
acenaphthene	360	U	U	U	U	0.0130	U	U	U	U	U	U	NM
anthracene	1800	U	U	U	U	U	U	U	U	U	U	0.00281 J	NM
benz[a]anthracene	1.1	U	U	U	U	U	U	U	U	U	U	0.00204 J	NM
benzo[b]fluoranthene	1.1	U	U	U	U	U	U	U	U	U	U	U	NM
benzo[a]fluoranthene	1.1	U	U	U	U	U	U	U	U	U	U	U	NM
benzo[a]pyrene	0.11	U	U	U	U	U	U	U	U	U	U	U	NM
chrysene	110	U	U	U	U	U	U	U	U	U	U	U	NM
dibenz[a,h]anthracene	0.11	U	U	U	U	U	U	U	U	U	U	U	NM
fluoranthene	240	U	U	U	U	U	U	U	U	U	U	U	NM
fluorene	240	0.0335	U	0.005901	U	0.0402	0.00657	U	U	U	U	0.00892	NM
indeno[1,2,3-cd]pyrene	1.1	U	U	U	U	U	U	U	U	U	U	U	NM
pyrene	340	U	U	U	U	0.00562 J	U	U	U	U	U	0.00669	NM
1-methylnaphthalene	18	0.2	U	0.0131	U	0.187	0.00739 J	U	0.00735 J	U	U	U	NM
2-methylnaphthalene	24	0.609	U	0.04761	U	0.392	0.0124 J	U	0.0230	U	U	U	NM
naphthalene	2	0.202	U	0.00861 J	U	0.110	U	U	0.0100 J	U	U	U	NM
Metals in Soils	Residential Soil Screening Level Concentrations												
arsenic	0.68	3.12	5.04	8.30	3.75	7.79	8.88	8.63	12.0	5.97	4.65	4.09	0.00221 J
barium	15000	1190	98.3	1600	84.1	1730	307	134	75.5	127	185	160	NM
cadmium	71	0.311 J	0.4951	0.4461	0.617	0.454 J	0.517	0.406 J	0.610	0.403 J	0.367 J	0.152	NM
chromium (VI)	0.1	0.109 J	U	0.176	U	0.281 J	U	U	U	U	0.109 J	U	NM
copper	3100	18.7	11.0	12.8	9.52	14.5	13.3	12.0	26.0	12.4	13.0	11.8	NM
lead	400	9.23	9.66	10.4	9.79	12.3	9.60	11.0	10.9	11.1	9.09	9.09	NM
nickel	1500	11.3	15.9	11.9	12.3	16.6	15.2	14.4	14.5	16.1	14.1	14.1	NM
selenium	390	U	U	U	U	U	U	6.26	U	U	U	U	NM
silver	390	U	U	U	U	U	U	U	U	U	U	U	NM
zinc	23000	44.5	54.3	47.2	40.9	53.4	51.6	49.1	71.8	54.3	53.9	47.6	NM

NOTES:  
Greater than Table 915-1 Residential Soil Screening Level Concentrations  
Greater than Table 915-1 Standards, but less than adjusted standards (Highest background level is the adjusted standard for Inorganics; 1.25X highest background level for metals).  
BG = background sample  
C = carbon range  
COSGCC = Colorado Oil and Gas Conservation Commission  
ft bgs = feet below ground surface  
GC/ID = gas chromatography with flame ionization detector  
J = The identification of the analyte is acceptable; the reported value is an estimate  
MCL = maximum contaminant level  
mg/kg = milligram per kilogram  
mg/L = milligram per liter  
mmhos/cm = millimhos per centimeter  
N/A = Not applicable. No COSGCC cleanup concentration provided  
ND = Not detected at the Reporting Limit (or MDL where applicable).  
PH = pit hole  
TB = Samples received past/hot close to holding time expiration.  
U = Not detected at the Reporting Limit (or MDL where applicable).