

Table 1
Lateral CT Carney 21X-35 Spill
Soil Data Summary

SAMPLE SUMMARY	
Location Description	CT Carney 21X-35 Spill
Sample Type	Soil

LABORATORY DATA SUMMARY																	
Sample ID	CT2135-SS1	CT2135-SS1	CT2135-SS1	CT2135-SS2	CT2135-SS2	CT2135-SS2	CT2135-SS3	CT2135-SS3	CT2135-SS3	CT2135-SS4	CT2135-SS4	CT2135-SS4	CT 17-35-BG3	COGCC TABLE 910-1 CONCENTRATION LEVELS	ECMC TABLE 915-1 CONCENTRATION LEVELS		UNITS
Depth	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"		Residential Soil Levels	Protection of Groundwater	
Sample Date	5/16/2018	4/19/2021	11/1/2024	5/16/2018	4/19/2021	11/1/2024	5/16/2018	4/19/2021	11/1/2024	5/16/2018	4/19/2021	11/1/2024	5/9/2013				
Analytical Parameters																	
TPH																	
TPH Gasoline Range Organics	8.4	NT	NT	<6.1	NT	NT	<7.5	NT	NT	<8.5	NT	NT	NT	500	500	500	mg/kg
TPH Diesel Range Organics	110	NT	NT	64	NT	NT	1700	17	NT	80	NT	NT	NT				
TPH Oil Range Organics	NT	NT	9310	NT	NT	142	NT	NT	91.7	NT	NT	99.1	NT				
BTEX																	
Benzene	<0.030	NT	NT	<0.037	NT	NT	<0.045	NT	NT	<0.051	NT	NT	NT	0.17	1.2	0.0026	mg/kg
Toluene	<0.030	NT	NT	0.018	NT	NT	<0.045	NT	NT	0.024 J	NT	NT	NT	85	490	0.69	mg/kg
Ethylbenzene	<0.030	NT	NT	<0.037	NT	NT	<0.045	NT	NT	0.015 J	NT	NT	NT	100	5.8	0.78	mg/kg
Total Xylene	<0.060	NT	NT	0.028	NT	NT	0.032 J	NT	NT	0.047 J	NT	NT	NT	175	58	9.9	mg/kg
1,2,4-trimethylbenzene	NT	NT	<0.00505	NT	NT	<0.005	NT	NT	<0.005	NT	NT	<0.005	NT	NA	30	0.0081	mg/kg
1,3,5-trimethylbenzene	NT	NT	<0.00505	NT	NT	<0.005	NT	NT	<0.005	NT	NT	<0.005	NT	NA	27	0.0087	mg/kg
Metals																	
Arsenic	4.6	NT	NT	4.6	NT	NT	5.3	NT	NT	7.3	NT	NT	6.58	0.39	0.68	0.29	mg/kg
Barium	490	NT	NT	660	NT	NT	1400	NT	NT	230	NT	NT	NT	15,000	15,000	82	mg/kg
Cadmium	<0.80	NT	NT	<0.84	NT	NT	<0.88	NT	NT	<9.7	NT	NT	NT	70	71	0.38	mg/kg
Chromium	9	NT	NT	11	NT	NT	19	NT	NT	15	NT	NT	NT	NA	NA	NA	mg/kg
Copper	18	NT	NT	18	NT	NT	16	NT	NT	25	NT	NT	NT	3,100	3,100	46	mg/kg
Lead	15	NT	NT	14	NT	NT	13	NT	NT	22	NT	NT	NT	400	400	14	mg/kg
Mercury	0.029	NT	NT	0.051	NT	NT	0.023 J	NT	NT	0.033	NT	NT	NT	23	NA	NA	mg/kg
Nickel	12	NT	NT	13	NT	NT	11	NT	NT	19	NT	NT	NT	1,600	1,500	26	mg/kg
Selenium	3.1	NT	NT	3.2	NT	NT	3.1	NT	NT	19	NT	NT	NT	390	390	0.26	mg/kg
Silver	<0.40	NT	NT	<0.42	NT	NT	<0.44	NT	NT	<0.48	NT	NT	NT	390	390	0.8	mg/kg
Zinc	62	NT	NT	62	NT	NT	59	NT	NT	110	NT	NT	NT	23,000	23,000	370	mg/kg
SAR Metals Analysis																	
Calcium	2900	1700	NT	990	NT	NT	97	100	NT	1500	NT	NT	NT	NA	NA	NA	mg/L
Magnesium	180	110	NT	79	NT	NT	10	13	NT	160	NT	NT	NT	NA	NA	NA	mg/L
Sodium	7800	590	NT	1200	NT	NT	1200	66	NT	820	NT	NT	NT	NA	NA	NA	mg/L
Sodium Adsorption Ratio	38	3.8	NT	10	NT	5.57	31	1.6	NT	5.4	NT	NT	NT	<12	<6	<6	ratio
Polynuclear Aromatic Hydrocarbons																	
Acenaphthene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	1,000	360	0.55	mg/kg
Anthracene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	1,000	1,800	5.8	mg/kg
Benzo(a)anthracene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	0.22	1.1	0.011	mg/kg
Benzo(b)fluoranthene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	0.22	1.1	0.3	mg/kg
Benzo(k)fluoranthene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	2.2	11.0	2.9	mg/kg
Benzo(a)pyrene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	0.022	0.11	0.24	mg/kg
Chrysene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	22	110	9	mg/kg
Dibenzo(a,h)anthracene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	0.022	0.11	0.096	mg/kg
Fluoranthene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	1,000	240	8.9	mg/kg
Fluorene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	1,000	240	0.54	mg/kg
Indeno(1,2,3-cd)pyrene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	0.22	1.1	0.98	mg/kg
1-methylnaphthalene	NT	NT	0.0211	NT	NT	<0.02	NT	NT	0.0151	NT	NT	<0.02	NT	NA	18.00	0.006	mg/kg
2-methylnaphthalene	NT	NT	0.0225	NT	NT	<0.02	NT	NT	0.0358	NT	NT	<0.02	NT	NA	24.00	0.019	mg/kg
Naphthalene	0.059	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	23	2	0.0038	mg/kg
Pyrene	<0.049	NT	NT	<0.045	NT	NT	<0.052	NT	NT	<0.055	NT	NT	NT	1,000	180	1.3	mg/kg
General Chemistry																	
Chromium, Hexavalent	<1.2	NT	<1.0	0.37 J	NT	<1.0	0.44 J	NT	<1.0	<1.3	NT	<1.0	NT	23	0.3	0.00067	mg/kg
Chromium, Trivalent	9.4	NT	NT	10	NT	NT	18	NT	NT	15	NT	NT	NT	120,000	NA	NA	mg/kg
Hot Water Soluble Boron	NT	NT	1.52	NT	NT	1.58	NT	NT	0.853	NT	NT	0.776	NT	NA	2	2	mg/L
Specific Conductivity	49	12	2.670	13	1.6	NT	6.8	0.86	NT	13	3.6	NT	NT	<4 or 2 x the background	<4	<4	mmhos/cm
pH	7.45	NT	NT	7.63	NT	NT	8.80	NT	7.95	7.71	NT	NT	NT	6-9	6-8.3	6-8.3	su

mg/kg - milligrams per kilogram
mg/L - milligrams per liter
J - indicates an estimated value
mmhos/cm - millimhos per centimeter
mv - millivolts
su - standard units
NA - not applicable
NT - parameter was not tested

Over ECMC Table 915-1 concentration levels but under BACKGROUND level.

Over ECMC Table 915-1 concentration levels and not within BACKGROUND level.

Over ECMC Table 915-1 concentration levels