

Table 1
Carney 35X34 10 Inch Valve Set Spill
Soil Data Summary

SAMPLE SUMMARY	
Location Description	Carney 35X34
Sample Type	Soil

LABORATORY DATA SUMMARY														ECMC TABLE 915-1 CONCENTRATION LEVELS		
Sample ID	CARNEY 35X34 BELOW PIPE (ORIGIN)	CAR 35X34 BELOW PIPE (ORIGIN)	CAR35X34-SS1	CAR35X34-SS1	CAR35X34-SS2	CAR35X34-SS3	CAR35X34-SS3	CAR35X34-SS4	CAR35X34-BG1	CAR35X34-BG2	CAR41Y34-BG1	UP6927-BG1				
Depth	2'	2.5'	0.1'	0.1'	0.1'	0.1'	0.1'	0.1'	0.1'	0.1'	0'-6"	0.6"				
Sample Date	9/7/2022	4/8/2025	10/6/2022	10/11/2022	10/6/2022	10/6/2022	4/8/2025	10/6/2022	10/6/2022	10/6/2022	4/1/2020	11/8/2018				
Analytical Parameters													Residential Soil Screening Levels	Protection of Groundwater Screening Levels	UNITS	
TPH																
TPH Gasoline Range Organics	0.161	NT	0.112	NT	0.0744 J	0.140	NT	0.135	NT	NT	NT	NT	NT	NT	NT	
TPH Diesel Range Organics	<4.00	NT	<4.00	NT	4.42	10.0	NT	22.6	NT	NT	NT	NT	NT	NT	NT	
TPH Oil Range Organics	4.97	NT	3.90 J	NT	11.5	29.4	NT	89.9	NT	NT	NT	NT	NT	NT	NT	
													500		mg/kg	
Volatile Organic Compounds																
Benzene	<0.001	NT	<0.001	NT	<0.001	<0.00101	NT	<0.00101	NT	NT	NT	NT	NT	1.2	0.0026	mg/kg
Toluene	<0.005	NT	<0.005	NT	<0.005	<0.00505	NT	<0.00505	NT	NT	NT	NT	NT	490	0.69	mg/kg
Ethylbenzene	<0.0025	NT	<0.0025	NT	<0.0025	<0.00253	NT	<0.00253	NT	NT	NT	NT	NT	5.8	0.78	mg/kg
Total Xylene	<0.0065	NT	<0.0065	NT	<0.0065	<0.00656	NT	<0.00656	NT	NT	NT	NT	NT	58	9.9	mg/kg
1,2,4-Trimethylbenzene	<0.005	NT	<0.005	NT	<0.005	<0.00505	NT	<0.00505	NT	NT	NT	NT	NT	30	0.0081	mg/kg
1,3,5-Trimethylbenzene	<0.005	NT	<0.005	NT	<0.005	<0.00505	NT	<0.00505	NT	NT	NT	NT	NT	27	0.0087	mg/kg
Metals																
Arsenic	7.07	NT	5.43	NT	4.35	6.38	NT	7.15	NT	NT	6.9	5.0	0.68	0.29	mg/kg	
Barium	281	NT	118	NT	92.4	130	NT	254	NT	NT	160	120	15,000	82	mg/kg	
Cadmium	0.516	NT	0.345 J	NT	0.242 J	0.734	NT	0.400 J	NT	NT	0.200	0.17 J	71	0.38	mg/kg	
Chromium, Hexavalent	<1.00	NT	<1.00	NT	<1.00	<1.00	NT	<1.00	NT	NT	<1.2	<1.1	0.3	0.00067	mg/kg	
Copper	18.5	NT	13.0	NT	8.52	13.6	NT	16.0	NT	NT	13	15	3,100	46	mg/kg	
Lead	20.1	NT	14.7	NT	7.55	14.6	NT	18.6	NT	NT	19	12	400	14	mg/kg	
Nickel	24.6	NT	17.3	NT	8.80	16.2	NT	17.2	NT	NT	17	15	1,500	26	mg/kg	
Selenium	2.06	NT	1.04 J	NT	<2.00	<2.00	NT	1.25 J	NT	NT	1.3	0.94	390	0.26	mg/kg	
Silver	<1.00	NT	<1.00	NT	<1.00	<1.00	NT	<1.00	NT	NT	0.071 J	<0.41	390	0.8	mg/kg	
Zinc	85.4	NT	61.8	NT	31.0	67.2	NT	69.4	NT	NT	69	75	23,000	370	mg/kg	
Soil Suitability for Reclamation																
Sodium Adsorption Ratio (SAR)	NT	9.65	1.89	0.583	2.90	10.1	0.287	3.38	0.529	0.101	0.39	16	<6	<6	ratio	
Electrical Conductivity (EC)	8.720	6.410	3.780	NT	3.170	8.210	2.490	0.613	0.241	2.350	0.30	9.8	<4	<4	mmhos/cm	
Boron, Hot Water Soluble	0.929	1.510	0.755	NT	0.335	1.590	0.857	0.903	NT	NT	NT	NT	2	2	mg/l	
pH	8.16	7.78	7.81	NT	7.94	7.77	7.65	8.38	8.39	7.72	8.43	8.35	6 - 8.3	6 - 8.3	su	
Polynuclear Aromatic Hydrocarbons																
Acenaphthene	<0.00600	NT	<0.00600	NT	<0.00600	<0.00600	NT	<0.00600	NT	NT	NT	NT	NT	360	0.55	mg/kg
Anthracene	<0.00600	NT	<0.00600	NT	<0.00600	<0.00600	NT	<0.00600	NT	NT	NT	NT	NT	1,800	5.8	mg/kg
Benzo(a)anthracene	<0.00600	NT	<0.00600	NT	<0.00600	<0.00175 J	NT	<0.00600	NT	NT	NT	NT	NT	1.1	0.011	mg/kg
Benzo(a)pyrene	<0.00600	NT	<0.00600	NT	<0.00600	<0.00600	NT	<0.00600	NT	NT	NT	NT	NT	0.11	0.24	mg/kg
Benzo(b)fluoranthene	<0.00600	NT	<0.00600	NT	<0.00600	0.00216 J	NT	<0.00600	NT	NT	NT	NT	NT	1.1	0.3	mg/kg
Benzo(k)fluoranthene	<0.00600	NT	<0.00600	NT	<0.00600	<0.00600	NT	<0.00600	NT	NT	NT	NT	NT	11	2.9	mg/kg
Chrysene	<0.00600	NT	<0.00600	NT	<0.00600	<0.00600	NT	<0.00600	NT	NT	NT	NT	NT	110	9	mg/kg
Dibenzo(a,h)anthracene	<0.00600	NT	<0.00600	NT	<0.00600	<0.00600	NT	<0.00600	NT	NT	NT	NT	NT	0.11	0.096	mg/kg
Fluoranthene	<0.00600	NT	<0.00600	NT	<0.00600	0.00441 J	NT	<0.00600	NT	NT	NT	NT	NT	240	8.9	mg/kg
Fluorene	<0.00600	NT	<0.00600	NT	<0.00600	<0.00600	NT	<0.00600	NT	NT	NT	NT	NT	240	0.54	mg/kg
Indeno(1,2,3-cd)pyrene	<0.00600	NT	<0.00600	NT	<0.00600	<0.00600	NT	<0.00600	NT	NT	NT	NT	NT	1.1	0.98	mg/kg
1-Methylnaphthalene	<0.0200	NT	<0.0200	NT	<0.0200	<0.0200	NT	<0.0200	NT	NT	NT	NT	NT	18.0	0.01	mg/kg
2-Methylnaphthalene	<0.0200	NT	<0.0200	NT	<0.0200	<0.0200	NT	<0.0200	NT	NT	NT	NT	NT	24.0	0.02	mg/kg
Naphthalene	<0.0200	NT	0.0116 J	NT	<0.0200	<0.0200	NT	<0.0200	NT	NT	NT	NT	NT	2	0.0038	mg/kg
Pyrene	<0.00600	NT	<0.00600	NT	<0.00600	0.00351 J	NT	<0.00600	NT	NT	NT	NT	NT	180	1.3	mg/kg

mg/kg - milligrams per kilogram
mg/L - milligrams per liter
B - analyte detected in the associated Method Blank above the Reporting Limit
J - indicates an estimated value
H - analyzed outside of holding time
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