

Table 1
Vega Pad 11 Historical Spill
Soil Sample Summary

LABORATORY DATA SUMMARY										
Sample ID	P11-SS1	P11-SS2	P11-SS3	P11-SS4	P11-SS5	P11-BKGND-SS1	P11-BKGND-SS2	P11-BKGND-SS3	COGCC TABLE 910-1 CONCENTRATION LEVELS	UNITS
Sample Depth	0-6"	0-6"	0-6"	0-6"	0-6"	24-30"	24-30"	24-30"		
Longitude N	-107.768672	-107.769081	-107.769451	-107.769269	-107.769200	-107.767295	-107.766524	-107.767581		
Latitude W	39.208042	39.208530	39.208987	39.209093	39.209251	39.205827	39.206855	39.207281		
Sample Type	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil		
Sample Date	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020	12/3/2020		
Sample Description	In ditch at point of release.	In ditch along access road.	Recovery pool/culvert entry.	Downstream of culvert outlet.	In drainage at end of release.	South corner of pad in undisturbed area near trees.	East corner of pad in undisturbed area near fence.	North corner of pad in undisturbed area near fence.		
Analytical Parameters										
TPH										
TPH Gasoline Range Organics	0.264	ND	0.515	ND	ND	NT	NT	NT	500	mg/kg
TPH Diesel Range Organics	22.4	4.89	10.8	7.10	12.0	NT	NT	NT		
BTEX										
Benzene	0.00212	ND	0.00331	0.000806	0.00222	NT	NT	NT	0.17	mg/kg
Toluene	ND	ND	ND	ND	ND	NT	NT	NT	85	mg/kg
Ethylbenzene	0.000913	ND	0.00317	ND	ND	NT	NT	NT	100	mg/kg
Total Xylene	0.00261	ND	0.00670	ND	0.00156	NT	NT	NT	175	mg/kg
Metals										
Arsenic	2.41	2.17	ND	ND	ND	2.39	3.80	4.66	0.39	mg/kg
Barium	122	125	208	132	193	NT	NT	NT	15,000	mg/kg
Cadmium	ND	ND	ND	ND	ND	NT	NT	NT	70	mg/kg
Chromium	12.9	14.3	12.8	18.3	15.4	NT	NT	NT	NA	mg/kg
Copper	11.2	11.3	12.9	20.4	15.2	NT	NT	NT	3,100	mg/kg
Lead	7.22	6.66	4.63	10.6	10.9	NT	NT	NT	400	mg/kg
Mercury	ND	ND	ND	ND	ND	NT	NT	NT	23	mg/kg
Nickel	11.6	11.6	33.2	16.2	16.1	NT	NT	NT	1,600	mg/kg
Selenium	ND	ND	ND	ND	ND	NT	NT	NT	390	mg/kg
Silver	ND	ND	ND	ND	ND	NT	NT	NT	390	mg/kg
Zinc	36.6	41.4	41.5	85.7	57.0	NT	NT	NT	23,000	mg/kg
SAR Metals Analysis										
Sodium Adsorption Ratio	0.341	0.381	0.299	0.415	0.483	NT	NT	NT	<12	ratio
Polynuclear Aromatic Hydrocarbons										
Acenaphthene	ND	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
Anthracene	ND	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
Benzo(a)anthracene	ND	ND	ND	ND	ND	NT	NT	NT	0.22	mg/kg
Benzo(a)pyrene	ND	ND	ND	ND	ND	NT	NT	NT	0.022	mg/kg
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	NT	NT	NT	0.22	mg/kg
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	NT	NT	NT	2.2	mg/kg
Chrysene	ND	ND	ND	ND	ND	NT	NT	NT	22	mg/kg
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	NT	NT	NT	0.022	mg/kg
Fluoranthene	ND	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
Fluorene	ND	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	NT	NT	NT	0.22	mg/kg
Napthalene	ND	ND	ND	ND	ND	NT	NT	NT	23	mg/kg
Pyrene	ND	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
General Chemistry										
Chromium, Hexavalent	ND	ND	ND	ND	ND	NT	NT	NT	23	mg/kg
Chromium, Trivalent	12.9	14.3	12.8	18.3	15.4	NT	NT	NT	120,000	mg/kg
Specific Conductivity	0.286	0.231	0.352	0.253	0.242	NT	NT	NT	<4 or 2 x the background	mmhos/cm
pH	7.44 T8	7.37 T8	8.02 T8	8.26 T8	8.15 T8	NT	NT	NT	6-9	su

mg/kg - milligrams per kilogram
mg/L - milligrams per liter
mmhos/cm - millimhos per centimeter
mv - millivolts
su - standard units
T8 Sample(s) received past/too close to holding time expiration.
NA - not applicable
NT - parameter was not tested
ND - not detected above method detection limit

Over COGCC Table 910-1 concentration levels but under BACKGROUND level.
Over COGCC Table 910-1 concentration levels and not within BACKGROUND level.
Over COGCC Table 910-1 concentration levels