

Soil Analytical Data Summary Table

D90 Energy, LLC
Refuge to Mallard Production Line Soil Sampling
Jackson County, Colorado

Sample ID	Sample Depth (Inches BGS)	Date Sampled	Concentration (mg/kg)												Unitless	
			Benzene	Toluene	Ethylbenzene	Xylenes (Total)	1,2,4 Trimethyl- benzene	1,3,5 Trimethyl- benzene	Naphthalene	GRO	DRO	ORO	TPH	EC (mmhos/cm)	SAR	pH
COGCC Table 915-1 Concentration Levels (RSSL)			1.2	490	5.8	58	30	27	2	NA	NA	NA	500	<4	<6	6-8.3
Soil Samples																
D90_RP_SS_01	54	5/5/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.23	21.5	8.07
D90_RP_SS_02	54	5/5/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.89	18.8	8.33
D90_RP_SS_BG_01	54	5/5/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.16	32.0	6.31
D90_RP_SS_BG_02	54	5/5/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.70	19.6	8.27

Sample ID	Sample Depth (Inches BGS)	Date Sampled	PAH Concentration (mg/kg)													
			Acenaphthene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b)fluoranthene	Benzo (k)fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3- cd) pyrene	Pyrene	1- Methylnaphthal ene	2- Methylnaphthal ene
COGCC Table 915-1 Concentration Levels (RSSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
Soil Samples																
D90_RP_SS_01	54	5/5/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
D90_RP_SS_02	54	5/5/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
D90_RP_SS_BG_01	54	5/5/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
D90_RP_SS_BG_02	54	5/5/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	Sample Depth (Inches BGS)	Date Sampled	Total Metals mg/kg										mg/L
			Arsenic	Barium	Cadmium	Copper	Lead	Nickel	Selenium	Silver	Zinc	Chromium (Hexavalent)	Boron - Hot Water Soluble
COGCC Table 915-1 Concentration Levels (RSSL)			0.68	15000	71.00	3100	400	1500	390	390	23000	0.3	2
Soil Samples													
D90_RP_SS_01	54	5/5/2022	0.761	165	0.0798	14.9	7.64	18	0.531	0.0334	58	ND	0.122
D90_RP_SS_02	54	5/5/2022	0.922	102	9.02	15.7	6.64	16.7	0.393	0.0342	53.7	ND	ND
D90_RP_SS_BG_01	54	5/5/2022	2.27	97.7	0.48	65.2	15.1	30.1	6.64	0.155	67.60	ND	ND
D90_RP_SS_BG_02	54	5/5/2022	0.92	60.6	0.107	9.23	4.500	9.83	0.294	0.0317	33.4	ND	ND

mg/kg - milligrams per kilogram
mmhos/cm - millimhos per centimeter
ND - Analytical result is not detectedabove the reporting limit
COGCC - Colorado Oil and Gas Conservation Commission

GRO - Gasoline Range Organics
DRO - Diesel Range Organics (C10-C28)
TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)
ORO - Oil Range Organics (C28-C36)

SAR - Sodium Adsorption Ratio
NA - Not Analyzed
BGS - Below Ground Surface
EC - Electrical Conductivity

RSSL = Residential Soil Screening Level