

Table 915-1			D90 Energy, LLC Oxbow 0880 S29 Release Soil Confirmation Sample Summary													
Contaminant of Concern	Concentrations		Background Samples		Soil Confirmation Samples											
			Sample ID	O-BG@6"	O-BG@12"	O 1@18"	O 3@15"	O-4 @ 40"	O 7@24"	O 8@20"	O 11@20"	O-13 @84"	O 16@21"	O 20@3"	O 23@0"	O 25@3"
			Depth - BGS (inches)	6	12	18	15	40	24	20	20	84	21	3	Ground Surface	3
Date Sampled			7/28/2022	7/28/2022	7/26/2022	7/26/2022	7/28/2022	7/26/2022	7/26/2022	7/26/2022	7/28/2022	7/26/2022	7/26/2022	7/26/2022	7/26/2022	
Organic Compounds in Soil	RSSL	Units														
TPH-TVPH (Gasoline Range Organics C6-C10)	500	mg/kg	NA	NA	ND	ND	ND	ND	ND	1.08	ND	ND	ND	ND	ND	
TPH-TEPH (Diesel Range Organics-C10-C28)		mg/kg	NA	NA	ND	ND	ND	ND	ND	109	ND	ND	31.2	ND	ND	
TPH-ORO (Oil Range Organics-C28-C40)		mg/kg	NA	NA	ND	ND	ND	ND	ND	<50.0	121	ND	ND	ND	ND	
Total TPH (GRO+DRO+ORO)		mg/kg	NA	NA	<500.0	<500.0	<500.0	<500.0	<500.0	<500.0	<500.0	<500.0	<500.0	<500.0	<500.0	
Benzene	1.2	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	490	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	5.8	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes (total)	58	mg/kg	NA	NA	ND	ND	ND	ND	ND	0.00236	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	30	mg/kg	NA	NA	ND	ND	ND	ND	ND	0.00958	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	27	mg/kg	NA	NA	ND	ND	ND	ND	ND	0.00268	ND	ND	ND	ND	ND	
Acenaphthene	360	mg/kg	NA	NA	ND	ND	ND	ND	ND	0.00121	ND	ND	ND	ND	ND	
Anthracene	1800	mg/kg	NA	NA	ND	ND	ND	ND	ND	0.000542	ND	ND	ND	ND	ND	
Benzo(A)anthracene	1.1	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(B)fluoranthene	1.1	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(K)fluoranthene	11	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(A)pyrene	0.11	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chrysene	110	mg/kg	NA	NA	ND	ND	ND	ND	0.0016	0.00258	ND	ND	0.000826	0.00109	ND	
Dibenzo(A,H)anthracene	0.11	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	240	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluorene	240	mg/kg	NA	NA	ND	ND	ND	0.00131	0.0017	0.00625	ND	ND	0.00129	0.000293	ND	
Indeno(1,2,3,C,D)pyrene	1.1	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1-Methylnaphthalene	18	mg/kg	NA	NA	ND	ND	ND	0.00106	0.000922	0.0113	ND	ND	ND	ND	ND	
2-Methylnaphthalene	24	mg/kg	NA	NA	ND	ND	ND	0.000967	0.000806	0.00993	ND	ND	ND	ND	ND	
Naphthalene	2	mg/kg	NA	NA	ND	ND	ND	ND	ND	0.00174	ND	ND	ND	ND	ND	
Pyrene	180	mg/kg	NA	NA	ND	ND	ND	ND	0.00102	0.00169	ND	ND	0.000653	ND	ND	
Soil Suitability for Reclamation																
Electrical Conductivity (EC)	<4 mmhos/cm	mmhos/cm	0.666	0.504	0.342	0.715	0.447	0.631	0.218	0.197	0.877	0.250	0.138	0.150	0.299	
Sodium Adsorption Ratio (SAR)	< 6	ratio	2.71	1.85	2.09	0.346	0.387	0.484	1.09	0.831	0.962	0.233	0.408	0.231	0.134	
pH	6.0-8.3	su	7.88	7.97	8.3	7.90	7.80	7.89	8.3	8.25	7.90	8.12	8.26	8.20	8.06	
Boron (Hot Water Soluble)	2	mg/l	0.385	0.135	0.124	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.158	
Metals in Soils			RSSL													
Arsenic	0.68	mg/kg	1.33	1.46	2.00	2.73	0.454	6.45	2.59	2.60	0.746	3.70	2.71	ND	2.71	
Barium	15,000	mg/kg	NA	NA	200	133	72.4	123	167	159	90.3	214	76.0	ND	139	
Cadmium	71	mg/kg	NA	NA	0.121	0.132	ND	0.187	0.132	0.124	0.154	0.177	0.120	ND	0.265	
Chromium (Hexavalent)	0.3	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Copper	3,100	mg/kg	NA	NA	27.1	9.94	ND	15.0	14.3	11.8	17.1	15.5	12.3	ND	13.6	
Lead	400	mg/kg	NA	NA	7.19	4.55	1.63	11.9	5.53	6.08	4.60	8.20	8.34	ND	5.35	
Nickel	1,600	mg/kg	NA	NA	14.8	10.9	5.63	13.2	11.5	9.14	12.0	12.2	9.63	ND	10.8	
Selenium	390	mg/kg	NA	NA	0.0956	ND	ND	ND	0.0760	0.0894	ND	0.144	0.121	ND	0.161	
Silver	390	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.102	
Zinc	23,000	mg/kg	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

\*Groundwater was not encountered during excavation and therefore parameters not applicable and not in NA

NA - Not Analyzed

\*Concentrations in red font exceed Table 915-1 standards

BGS - Below Ground Surface

mg/kg - milligrams per kilogram

TPH - Total Petroleum Hydrocarbons

mmhos/cm - millimhos per centimeter

SAR - Sodium Adsorption Ratio