

Table 915-1			Koloa CR 89 Soil Confirmation Sample Summary												
Contaminant of Concern	ECMC Table 915-1 Concentration Levels		Background Samples		Soil Confirmation Samples										
			Sample ID	BG1	BG2	SS1	SS2								
			Depth - BGS (Feet)	0.5	0.5	0.5	0.5								
Date Sampled			12/1/2023	12/1/2023	6/14/2023	6/14/2023									
Organic Compounds in Soil	RSSL	Units													
TPH-TVPH (Gasoline Range Organics-C6-C10)	500	mg/kg	ND	ND	ND	ND									
TPH-TEPH (Diesel Range Organics-C10-C28)		mg/kg	10	45	2	4.4									
TPH-ORO (Oil Range Organics-C28-C40)		mg/kg	17	35	10	11									
Total TPH (GRO+DRO+ORO)		mg/kg	<500.0	<500.0	<500.0	<500.0									
Benzene	1.2	mg/kg	ND	ND	ND	ND									
Toluene	490	mg/kg	ND	ND	ND	ND									
Ethylbenzene	5.8	mg/kg	ND	ND	ND	ND									
Xylenes (total)	58	mg/kg	ND	ND	ND	ND									
1,2,4-Trimethylbenzene	30	mg/kg	ND	ND	ND	ND									
1,3,5-Trimethylbenzene	27	mg/kg	ND	ND	ND	ND									
Acenaphthene	360	mg/kg	ND	ND	ND	ND									
Anthracene	1800	mg/kg	ND	ND	ND	ND									
Benzo(A)anthracene	1.1	mg/kg	ND	ND	ND	ND									
Benzo(B)fluoranthene	1.1	mg/kg	ND	ND	ND	ND									
Benzo(K)fluoranthene	11	mg/kg	ND	ND	ND	ND									
Benzo(A)pyrene	0.11	mg/kg	ND	ND	ND	ND									
Chrysene	110	mg/kg	ND	ND	ND	ND									
Dibenzo(A,H)anthracene	0.11	mg/kg	ND	ND	ND	ND									
Fluoranthene	240	mg/kg	ND	ND	ND	ND									
Fluorene	240	mg/kg	ND	ND	ND	ND									
Indeno(1,2,3,C,D)pyrene	1.1	mg/kg	ND	ND	ND	ND									
1-Methylnaphthalene	18	mg/kg	ND	ND	ND	ND									
2-Methylnaphthalene	24	mg/kg	ND	ND	ND	ND									
Naphthalene	2	mg/kg	ND	ND	ND	ND									
Pyrene	180	mg/kg	ND	ND	ND	ND									
Soil Suitability for Reclamation															
Electrical Conductivity (EC)	<4 mmhos/cm	mmhos/cm	NA	NA	0.619	0.361									
Sodium Adsorption Ratio (SAR)	< 6	ratio	0.313	0.419	0.555	0.4									
pH	6.0-8.3	su	7.67	7.90	8.63	9.28									
Boron (Hot Water Soluble)	2	mg/l	ND	ND	1.4	0.36									
Metals in Soils	RSSL														
Arsenic	0.68	mg/kg	1.35	1.55	1.24	1.45									
Barium	15,000	mg/kg	98.2	748	45.4	82.7									
Cadmium	71	mg/kg	0.12	0.17	0.086	0.056									
Chromium (Hexavalent)	0.3	mg/kg	ND	ND	ND	ND									
Copper	3,100	mg/kg	4.36	4.95	1.69	2.07									
Lead	400	mg/kg	6.37	6.94	1.4	2.36									
Nickel	1,500	mg/kg	3.7	4.12	1.21	1.45									
Selenium	390	mg/kg	0.21	0.17	ND	ND									
Silver	390	mg/kg	0.0155	0.0205	0.0160	ND									
Zinc	23,000	mg/kg	18.2	21.2	6.22	7.07									

Concentrations in red font exceed Table 915-1 standards

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter

TPH - Total Petroleum Hydrocarbons

SAR - Sodium Adsorption Ratio

NA - Not Analyzed

BGS - Below Ground Surface