

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

Concentrations in red font exceed Table 915-1 standards
 mg/kg - milligrams per kilogram NA - Not Analyzed
 mmhos/cm - millimhos per centimeter TPH - Total Petroleum Hydrocarbons BGS - Below Ground Surface
 SAR - Sodium Adsorption Ratio