

Accutest Mountain States		Jul 05, 2011 15:38 pm	
Job Number:	D24581		
Account:	Olsson Associates		
Project:	Delta 12B Cuttings		
Project Number:			
		Legend:	Hit
Client Sample ID:		DELTA 12BSS1	DELTA 12BSS1
Lab Sample ID:		D24581-1	D24581-1A
Date Sampled:		06/17/2011	06/17/2011
Matrix:		Soil	Soil
GC/MS Volatiles (SW846 8260B)			
Benzene	ug/kg	ND (87)	-
Toluene	ug/kg	228 J	-
Ethylbenzene	ug/kg	138 J	-
Xylene (total)	ug/kg	1780	-
GC/MS Semi-volatiles (SW846 8270C BY SIM)			
Acenaphthene	ug/kg	ND (330)	-
Anthracene	ug/kg	ND (370)	-
Benzo(a)anthracene	ug/kg	ND (540)	-
Benzo(a)pyrene	ug/kg	ND (750)	-
Benzo(b)fluoranthene	ug/kg	ND (770)	-
Benzo(k)fluoranthene	ug/kg	ND (460)	-
Chrysene	ug/kg	ND (460)	-
Dibenzo(a,h)anthracene	ug/kg	ND (770)	-
Fluoranthene	ug/kg	ND (420)	-
Fluorene	ug/kg	ND (350)	-
Indeno(1,2,3-cd)pyrene	ug/kg	ND (1100)	-
Naphthalene	ug/kg	ND (390)	-
Pyrene	ug/kg	ND (390)	-
GC Volatiles (SW846 8015B)			
TPH-GRO (C6-C10)	mg/kg	33.3 J	-
GC Semi-volatiles (SW846-8015B)			
TPH-DRO (C10-C28)	mg/kg	672	-
Metals Analysis			
Arsenic	mg/kg	1.3	-
Barium	mg/kg	1630	-
Cadmium	mg/kg	<2.6	-
Calcium	mg/l	-	12.7
Chromium	mg/kg	11.7	-

Copper	mg/kg	20.7	-
Lead	mg/kg	<13	-
Magnesium	mg/l	-	1.25
Mercury	mg/kg	<0.23	-
Nickel	mg/kg	14.9	-
Selenium	mg/kg	<13	-
Silver	mg/kg	<7.8	-
Sodium	mg/l	-	141
Zinc	mg/kg	62.9	-
General Chemistry			
Chromium, Hexavalent	mg/kg	<0.99 ^a	-
Chromium, Trivalent	mg/kg	10.9 ^b	-
Redox Potential Vs H2	mv	332	-
Sodium Adsorption Ratio	ratio	-	10.1 ^c
Solids, Percent	%	40.1	-
Specific Conductivity	umhos/cm	569	-
pH	su	10.16	-
Footnotes:			
^a Analysis performed at Accutest Laboratories, Marlborough, MA.			
^b Calculated as: (Chromium) - (Chromium, Hexavalent)			
^c Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+(Mg meq/L)/2]			