

Table 1
Location: Black Sulfur Tank Battery
Lab Summary: BSTB 3" BW L

Last Update: 3/31/2016

Analytical Parameter (with units)	BSTB 3" BW L		Love Ranch 6 Background								COGCC	Maximum based on Background
	910-1 Confirmation	Excavation (-3')	#1	#2	#3	#4	#5	#6	#7	#8	Table 910-1 Concentration Levels	
Accutest/ESC Job #	D79947 (2/12/16)	L823351 (3/14/16)	D44421 (3/14/13) & D79644 (2/4/16)								-	-
Sample type (Composite/Discrete)	D	D	D	D	D	D	D	D	D	D	-	-
TPH (GRO) (mg/kg)	8.9	-	-	-	-	-	-	-	-	-	-	-
TPH (DRO) (mg/kg)	21.1	-	-	-	-	-	-	-	-	-	-	-
TPH (GRO+DRO) (mg/kg)	30	-	-	-	-	-	-	-	-	-	500	-
Benzene (mg/kg)	0.023	-	-	-	-	-	-	-	-	-	0.170	-
Toluene (mg/kg)	0.148	-	-	-	-	-	-	-	-	-	85	-
Ethylbenzene (mg/kg)	0.0145	-	-	-	-	-	-	-	-	-	100	-
Xylenes (total) (mg/kg)	0.339	-	-	-	-	-	-	-	-	-	175	-
Acenaphthene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	1000	-
Anthracene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	1000	-
Benzo(A)anthracene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	0.22	-
Benzo(B)fluoranthene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	0.22	-
Benzo(K)fluoranthene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	2.2	-
Benzo(A)pyrene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	0.022	-
Chrysene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	22	-
Dibenzo(A,H)anthracene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	0.022	-
Fluoranthene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	1000	-
Fluorene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	1000	-
Indeno(1,2,3,C,D)pyrene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	0.22	-
Naphthalene (mg/kg)	0.008	-	-	-	-	-	-	-	-	-	23	-
Pyrene (mg/kg)	ND	-	-	-	-	-	-	-	-	-	1000	-
Electrical Conductivity (mmhos/cm)	4.970	1.190	-	-	-	-	-	-	-	-	4	-
Sodium Adsorption Ratio (SAR)	76.60	1.88	-	-	-	-	-	-	-	-	12	-
pH	9.52	7.93	9.20	9.22	9.02	9.23	8.90	8.84	8.14	8.77	6-9	9.23
Arsenic (mg/kg)	6.6		3.9	4.1	4.7	7.7	5.7	5.7	4.8	5.9	0.39	7.7
Barium (mg/kg)	301		-	-	-	-	-	-	-	-	15000	-
Cadmium (mg/kg)	<1.2		-	-	-	-	-	-	-	-	70	-
Chromium (III) (mg/kg)	20.90		-	-	-	-	-	-	-	-	120000	-
Chromium (VI) (mg/kg)	<1.0		-	-	-	-	-	-	-	-	23	-
Copper (mg/kg)	14.50		-	-	-	-	-	-	-	-	3100	-
Lead (inorganic) (mg/kg)	10.80		-	-	-	-	-	-	-	-	400	-
Mercury (mg/kg)	<0.095		-	-	-	-	-	-	-	-	23	-
Nickel (mg/kg)	16.10		-	-	-	-	-	-	-	-	1600	-
Selenium (mg/kg)	<5.8		-	-	-	-	-	-	-	-	390	-
Silver (mg/kg)	<3.5		-	-	-	-	-	-	-	-	390	-
Zinc (mg/kg)	48.90		-	-	-	-	-	-	-	-	23000	-
% Solids	85.0		84.2	85.5	84.7	86.6	86.4	86.3	83.3	86.3	-	-

Notes:

- 1) ND = not detectable to the laboratory detection limit.
- 2) Results highlighted in yellow exceed Table 910-1 concentration levels.
- 3) Results highlighted in gray exceed Table 910-1 concentration levels but are below background levels.
- 4) Background Arsenic samples are from a nearby location (Pad FRU 297-20A) with similar surface geology.