

# Shell 797-03B Cuttings Management Area

Pad #:	Shell 797-03B CMA
Sample Date:	

		Sample Identifications (mg/kg)													
Lab Report #		650144	650144	650144	650144	650144	650144	650144	650144	650144	650144	650144	650144	650144	650144
Date Sampled		8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013
Sample Type		Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings	Staged and Mixed Cuttings
Sample Name		E-Low 4'	E-High 6'	E-Center-Low 5'	E-Center-High 6'	W-Center-Low 4'	W-Center-High 10'	W-Low 7'	W-High 10.5'	BG Sample BG-WW 0-6 IN	BG Sample BG-NE 13 IN	BG Sample BG-AREA PT 74 6 IN	BG Sample PB-W 17-20 FT	Native Cap Material Cap 1	Native Cap Material Cap 2
Organics in Soil		MCL (mg/Kg)													
TPH - GRO		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
TPH - DRO	500	BDL	BDL	BDL	BDL	BDL	BDL	BDL	53.0	NA	NA	NA	NA	BDL	BDL
Benzene	0.17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Toluene	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Ethylbenzene	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Xylenes	175	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Organics in Soil (PAH's)															
Acenaphthene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Anthracene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Benzo(A)anthracene	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Benzo(B)fluoranthene	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Benzo(K)fluoranthene	2.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Benzo(A)pyrene	0.022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Chrysene	22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Dibenzo(A,H)anthracene	0.022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Fluoranthene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Flourene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Indeno(1,2,3,C,D)pyrene	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Napthalene	23	0.2	BDL	BDL	BDL	BDL	0.2	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Pyrene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Inorganics in Soil															
EC	<4 mmhos/cm or 2X background	2.2	1.8	2.0	2.1	1.9	0.1	2.0	1.7	NA	NA	NA	NA	0.8	0.3
SAR	<12	14.0	7.4	9.2	11.0	13.0	8.8	9.8	10.0	NA	NA	NA	NA	4.6	3.5
pH	6-9	8.0	8.0	8.1	8.1	8.9	8.1	8.1	9.6	NA	NA	NA	NA	NA	NA
Metals in Soils															
Arsenic	0.39	9.5	16.0	14.0	11.0	18.0	17.0	13.0	12.0	27.0	22.0	24.0	19.0	16.0	13.0
Barium (LDNR True Total)	15,000	2800.0	2800.0	2800.0	3100.0	3000.0	2800.0	3200.0	2800.0	NA	NA	NA	NA	220.0	220.0
Cadmium	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	0.3	BDL
Chromium III	120,000	16.0	17.0	17.0	16.0	16.0	17.0	16.0	16.0	NA	NA	NA	NA	22.0	16.0
Chromium VI	23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Copper	3100	21.0	24.0	24.0	24.0	24.0	23.0	23.0	23.0	NA	NA	NA	NA	21.0	15.0
Lead	400	9.2	11.0	11.0	10.0	13.0	11.0	11.0	10.0	NA	NA	NA	NA	12.0	7.9
Mercury	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA	NA	0.0	BDL
Nickel	1600	13.0	14.0	15.0	14.0	14.0	15.0	13.0	15.0	NA	NA	NA	NA	14.0	12.0
Selenium	390	1.5	1.6	1.2	1.8	1.2	1.2	1.2	1.4	NA	NA	NA	NA	2.5	2.2
Silver	390	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	BDL	BDL
Zinc	23,000	53.0	55.0	51.0	54.0	54.0	51.0	50.0	52.0	NA	NA	NA	NA	55.0	50.0