

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

OXY USA, INC.
OSAGE 18 FEE B COM 0001H
EDDY COUNTY, NEW MEXICO
NMOCD REF. #: 2RP-4334



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015M				300.1
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	600
SP-1 @ 0.5'	0.5'	8/7/2017	In-Situ	-	-	-	-	-	-	-	427	4,930	585	5,940	60.1
SP-1 @ 1'	1'	8/7/2017	In-Situ	<0.0034	<0.0034	0.0062	0.0179	0.0306	0.0485	0.0547	18.4	224	21.3	264	49.5
SP-2 @ 0.5'	0.5'	8/7/2017	In-Situ	-	-	-	-	-	-	-	981	11,600	1,470	14,100	1,050
SP-2 @ 1'	1'	8/7/2017	In-Situ	<0.0100	0.0742	0.3520	0.5910	0.0658	0.6570	1.08	32	456.0	24	512	321
SP-2 @ 1.5'	1.5'	9/6/2017	In-Situ	<0.0020	0.0073	0.155	0.198	0.100	0.298	0.460	737	8,860	1,130	10,700	869
SP-2 @ 4.5'	4.5'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	217
SP-3 @ 0.5'	0.5'	8/7/2017	In-Situ	0.0205	0.7330	3.71	5.79	0.5910	6.38	10.8	276	3,100	293	3,670	1,610
SP-3 @ 1'	1'	8/7/2017	In-Situ	<0.0020	<0.0020	0.0043	0.0063	0.0092	0.0156	0.0199	<15.0	71.9	<15.0	71.9	2,010
SP-3 @ 1.5'	1.5'	9/6/2017	In-Situ	<0.0020	<0.0020	0.0044	0.0074	0.0040	0.0114	0.0158	<15.0	<15.0	<15.0	<15.0	526
SP-3 @ 2.5'	2.5'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	0.0078	0.0078	0.0078	<15.0	<15.0	<15.0	<15.0	163
SP-4 @ 0.5'	0.5'	8/7/2017	In-Situ	<0.0020	0.0047	0.0153	0.0382	0.0203	0.0585	0.0785	<15.0	325	45.1	370	9,430
SP-4 @ 1'	1'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	2,250
SP-4 @ 3'	3'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	127
SP-5 @ 0.5'	0.5'	8/7/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0072	0.0059	0.0131	0.0131	<14.9	63.9	<14.9	63.9	7,480
SP-5 @ 1'	1'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	858
SP-5 @ 2.5'	2.5'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	4,990
SP-5 @ 5.5'	5.5'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	290
SP-5 @ 5.5'a	5.5'	5/31/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	454
SP-6 @ 0.5'	0.5'	8/7/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0065	0.0048	0.0113	0.0113	<15.0	127	<15.0	127	150
SP-7 @ 0.5'	0.5'	8/7/2017	In-Situ	<0.0030	<0.0030	0.0051	0.0127	0.0126	0.0253	0.0304	<14.9	662	97.9	760	6,100
SP-7 @ 1'	1'	8/7/2017	In-Situ	<0.0020	<0.0020	0.0038	<0.0040	0.0067	0.0067	0.0104	<15.0	67.8	<15.0	67.8	9,360
SP-7 @ 1.5'	1.5'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	2,670
SP-7 @ 2.5'	2.5'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	89.9
SP-8 @ 0.5'	0.5'	8/7/2017	In-Situ	<0.0033	0.0040	0.0139	0.0345	0.0216	0.0561	0.0740	<15.0	888	113	1,000	7,010
SP-8 @ 1'	1'	8/7/2017	In-Situ	<0.0020	0.0023	0.0046	0.0070	0.0083	0.0153	0.0222	<15.0	242	23.8	266	3,430
SP-8 @ 1.5'	1.5'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	2,420
SP-8 @ 3'	3'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	3,050
SP-8 @ 4'	4'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	60.9
SP-9 @ 0.5'	0.5'	8/7/2017	In-Situ	<0.0035	0.0049	0.0160	0.0407	0.0246	0.0653	0.0862	<15.0	860	112	972	83.4
SP-10 @ 0.5'	0.5'	8/7/2017	In-Situ	<0.0020	<0.0020	0.0021	0.0070	0.0054	0.0124	0.0145	<15.0	<15.0	<15.0	<15.0	789
SP-10 @ 1'	1'	8/7/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0069	0.0060	0.0129	0.0129	<15.0	<15.0	<15.0	<15.0	570
SP-10 @ 1.5'	1.5'	9/6/2017	In-Situ	<0.0035	<0.0035	<0.0035	<0.0070	<0.0035	<0.0035	<0.0035	<15.0	<15.0	<15.0	<15.0	227
SP-10 @ 4'	4'	9/6/2017	In-Situ	<0.0037	<0.0037	<0.0037	<0.0073	<0.0037	<0.0037	<0.0037	<15.0	<15.0	<15.0	<15.0	60.3

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				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O- XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	600
SP-11 @ 0.5'	0.5'	8/7/2017	In-Situ	<0.0034	<0.0034	<0.0034	<0.0068	<0.0034	<0.0034	<0.0034	<15.0	518	94.2	612	3,660
SP-11 @ 1.5'	1.5'	9/6/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	102
SP-12 @ 0.5'	0.5'	8/7/2017	In-Situ	<0.0020	0.0029	0.0068	0.0249	0.0162	0.0411	0.0508	<15.0	907	139	1,050	9.51
Wall 1a	2.5'	5/28/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	44.1
Wall 2a	2.5'	5/28/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	27.4
Wall 3a	2.5'	5/28/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	725
Wall 4a	2.5'	5/28/2018	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	2,530
Wall 4b	2.5'	5/28/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,770
Wall 6a	1'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	44.4
Wall 7a	1'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	27.7
Wall 8a	0.5'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	24.2
Wall 9a	0.5'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	212
Wall 10a	0.5'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	57.0
Wall 11a	0.5'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	18.9
Wall 12a	0.5'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	23.2
Wall 13a	0.5'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	27.3
Wall 14a	0.5'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	64.7
Wall 15a	2'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	140
Wall 16a	2'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	399
Wall 17a	2'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	14.1
Wall 18a	2'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	11.1
Wall 19a	2'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	127
Wall 20a	2'	5/29/2018	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	645
Wall 20b	2'	5/31/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	83.3
Wall 21a	2'	5/29/2018	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,560
Wall 21b	2'	5/31/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	208
Wall 22a	2'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	102
Wall 23a	1'	5/29/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	31.4
Wall 24a	1'	5/29/2018	In-Situ	<0.0020	<0.0020	0.0024	<0.0040	<0.0020	<0.0020	0.0024	<15.0	34.9	<15.0	34.9	310
Wall 25a	1'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	37.3	<15.0	37.3	128
Wall 26a	1'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	284
Wall 27a	1'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	50.6
Wall 28a	1'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	40.0
Wall 29a	2'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	168
Wall 30a	2'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	12.1
Wall 31a	2'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	246
Wall 32a	2.5'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	47.9
Wall 33a	0.5'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	172
Wall 34a	2.5'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	44.1
Wall 36a	2'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	92.4
Wall 37d	4'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	180
Wall 38a	2'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	76.0

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NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	600
Wall 39a	0.5'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	12.1
Wall 40a	4'	5/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	3,890
Wall 41a	4'	5/30/2018	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	2,640
Wall 41b	4'	5/31/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	84.8
Wall 42a	4'	5/30/2018	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	657
Wall 42b	4'	5/31/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	579
Wall 44a	4'	5/31/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	13.4

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs