

**ATTACHMENT #3
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**PLAINS MARKETING, LP
FORMER MALJAMAR STATION
EDDY COUNTY, NEW MEXICO
PLAINS SRS: HD0-95-61 FORMER MALJAMAR STATION
NMOCD REFERENCE #: 2RP-2504**

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015M			TPH C ₆ -C ₃₅ (mg/Kg)	300.1 CHLORIDE (mg/Kg)
				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)	ORO C ₂₈ -C ₃₅ (mg/Kg)		
TT-1 @ 4'	4'	9/30/2014	In-Situ	-	-	-	-	-	-	-	353	4,660	737	5,750	-
TT-1 @ 8'	8'	9/30/2014	In-Situ	<0.0011	<0.0023	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.9	48.3	<16.9	48.3	-
TT-2 @ 2'	2'	9/30/2014	In-Situ	-	-	-	-	-	-	-	1,870	29,200	6,070	37,100	-
TT-2 @ 4'	4'	9/30/2014	In-Situ	-	-	-	-	-	-	-	579	5,330	743	6,650	-
TT-2 @ 6'	6'	9/30/2014	In-Situ	<0.0012	0.0033	0.0737	0.103	0.0431	0.146	0.223	714	4,380	503	5,600	-
TT-3 @ 4'	4'	9/30/2014	In-Situ	-	-	-	-	-	-	-	2,910	14,700	1,880	19,500	-
TT-3 @ 8'	8'	9/30/2014	In-Situ	-	-	-	-	-	-	-	1,500	8,120	963	10,600	-
TT-4 @ 2'	2'	9/30/2014	In-Situ	-	-	-	-	-	-	-	19.5	526	127	673	-
TT-4 @ 6'	6'	9/30/2014	In-Situ	<0.0012	<0.0024	0.0036	0.0045	<0.0012	0.0045	0.0080	48.2	880	134	1,060	-
TT-5 @ 4'	4'	9/30/2014	In-Situ	-	-	-	-	-	-	-	949	7,060	900	8,910	-
TT-5 @ 8'	8'	9/30/2014	In-Situ	-	-	-	-	-	-	-	910	4,810	497	6,220	-
TT-5 @ 14'	14'	9/30/2014	In-Situ	-	-	-	-	-	-	-	1,660	8,080	896	10,600	-
TT-6 @ 4'	4'	9/30/2014	In-Situ	-	-	-	-	-	-	-	4,090	20,400	2,500	27,000	-
TT-6 @ 7'	7'	9/30/2014	In-Situ	-	-	-	-	-	-	-	4,590	18,200	2,250	25,000	-
TT-7 @ 2'	2'	9/30/2014	In-Situ	-	-	-	-	-	-	-	47.4	626	88.7	762	-
TT-7 @ 6'	6'	9/30/2014	In-Situ	<0.0012	<0.0024	<0.0012	<0.0024	<0.0012	<0.0024	<0.0024	<17.9	30.4	<17.9	30.4	-
TT-8 @ 4'	4'	9/30/2014	In-Situ	-	-	-	-	-	-	-	1,460	8,340	1,190	11,000	-
TT-8 @ 9.5'	9.5'	9/30/2014	In-Situ	-	-	-	-	-	-	-	2,030	9,240	1,180	12,500	-
TT-9 @ 2'	2'	9/30/2014	In-Situ	-	-	-	-	-	-	-	<16.0	<16.0	<16.0	<16.0	-
TT-9 @ 4'	4'	9/30/2014	In-Situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	-
TT-10 @ 4'	4'	9/30/2014	In-Situ	-	-	-	-	-	-	-	4,070	17,300	2,440	23,800	-
TT-10 @ 8'	8'	9/30/2014	In-Situ	<0.0012	<0.0024	0.0044	0.012	<0.0012	0.012	0.0164	159	3,350	708	4,220	-
TT-11 @ 2'	2'	9/30/2014	In-Situ	-	-	-	-	-	-	-	<18.3	119.0	47.9	167	-
TT-11 @ 4'	4'	9/30/2014	In-Situ	<0.0012	<0.0024	<0.0012	<0.0024	<0.0012	<0.0024	<0.0024	<18.0	547	142	689	-
SB-1 @ 5'	5'	10/16/2014	In-Situ	-	-	-	-	-	-	-	632	3,460	675	4,770	-
SB-1 @ 10'	10'	10/16/2014	In-Situ	0.0018	0.0173	0.114	0.139	0.0734	0.212	0.346	557	2,550	355	3,460	75.7
SB-1 @ 20'	20'	10/16/2014	In-Situ	<0.0011	<0.0023	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	20.1	65.0	<17.0	85.1	-
SB-1 @ 30'	30'	10/16/2014	In-Situ	<0.0011	<0.0023	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<17.0	142	33	175	-
SB-1 @ 50'	50'	10/16/2014	In-Situ	<0.0011	<0.0023	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	18.7	<17.0	<17.0	18.7	222
SB-1 @ 70'	70'	10/16/2014	In-Situ	-	-	-	-	-	-	-	<16.7	<16.7	<16.7	<16.7	-
SB-1 @ 80'	80'	10/16/2014	In-Situ	<0.0013	<0.0027	<0.0013	<0.0027	<0.0013	<0.0027	<0.0027	21.4	35.5	<19.9	56.9	81.0

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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)	ORO C ₂₈ -C ₃₅ (mg/Kg)		
SB-2 @ 5'	5'	10/16/2014	In-Situ	-	-	-	-	-	-	-	243	3,900	449	4,590	-
SB-2 @ 10'	10'	10/16/2014	In-Situ	0.0062	0.0041	0.208	0.0425	0.0067	0.0492	0.267	320	1,480	101	1,900	15.9
SB-2 @ 25'	25'	10/16/2014	In-Situ	-	-	-	-	-	-	-	<19.0	<19.0	<19.0	<19.0	-
SB-2 @ 45'	45'	10/16/2014	In-Situ	<0.0011	<0.0021	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	38.1	333	35.3	406	6.72
SB-2 @ 65'	65'	10/16/2014	In-Situ	-	-	-	-	-	-	-	<18.2	<18.2	<18.2	<18.2	-
SB-2 @ 80'	80'	10/16/2014	In-Situ	<0.0010	<0.0021	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.5	99.0	<15.5	99.0	-
SB-2 @ 100'	100'	10/16/2014	In-Situ	<0.0011	<0.0021	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	-	-	-	-	32.0
SB-3 @ 5'	5'	10/17/2014	In-Situ	0.0017	0.0043	0.0292	0.0307	0.0301	0.0608	0.096	927	7,770	636	9,330	22.9
SB-3 @ 10'	10'	10/17/2014	In-Situ	-	-	-	-	-	-	-	89.5	462	51.7	603	-
SB-3 @ 20'	20'	10/17/2014	In-Situ	<0.0012	<0.0024	0.0115	0.0115	0.0067	0.0182	0.0297	135	832	60.1	1,030	-
SB-3 @ 30'	30'	10/17/2014	In-Situ	-	-	-	-	-	-	-	18.4	442	46.5	507	-
SB-3 @ 50'	50'	10/17/2014	In-Situ	<0.0012	<0.0023	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.2	41.8	<17.2	41.8	4.54
SB-3 @ 70'	70'	10/17/2014	In-Situ	-	-	-	-	-	-	-	<16.2	36.9	<16.2	36.9	-
SB-3 @ 85'	85'	10/17/2014	In-Situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.3	34.9	<16.3	34.9	-
SB-3 @ 100'	100'	10/17/2014	In-Situ	<0.0011	<0.0023	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	6.79
SB-4 @ 5'	5'	10/17/2014	In-Situ	-	-	-	-	-	-	-	2,210	20,100	1,440	23,800	-
SB-4 @ 10'	10'	10/17/2014	In-Situ	0.237	<0.232	10.4	21.3	4.37	25.7	36.3	2,630	11,200	1,450	15,300	26.5
SB-4 @ 20'	20'	10/17/2014	In-Situ	-	-	-	-	-	-	-	503	3,560	709	4,770	-
SB-4 @ 30'	30'	10/17/2014	In-Situ	<0.0011	<0.0023	0.0182	0.0312	0.0060	0.0372	0.0554	318	2,340	82.4	2,740	-
SB-4 @ 50'	50'	10/17/2014	In-Situ	-	-	-	-	-	-	-	<21.1	49.1	<21.1	49.1	-
SB-4 @ 70'	70'	10/17/2014	In-Situ	<0.0014	<0.0028	<0.0014	<0.0028	<0.0014	<0.0028	<0.0028	64.8	191	62.1	318	10.2
SB-4 @ 90'	90'	10/17/2014	In-Situ	-	-	-	-	-	-	-	<16.1	41.0	<16.1	41.0	-
SB-4 @ 105'	105'	10/17/2014	In-Situ	-	-	-	-	-	-	-	<16.2	29.2	<16.2	29.2	-
SB-4 @ 120'	120'	10/17/2014	In-Situ	-	-	-	-	-	-	-	<15.7	154	24.3	178	-
SB-4 @ 140'	140'	10/17/2014	In-Situ	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	21.6	103	24.0	149	-
NMOCD Recommended Remediation Action Level				10						50				5,000	1,000

- = Not analyzed.