



Lined Area

Caliche Berm

**Legend:**

-  Affected Area (+/- 7,000 sq ft)
-  Path of Migration
-  Sample Location
-  Source of spill

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102 ft



Atha SWD Soil Analytical Results (Sample depth 0' = 0-2" bgs & 1' = 1' bgs)

14-Jun-18

Sample ID	Sample Location #1-0'	Sample Location #2-0'	Sample Location #2-1'	Sample Location #3-0'	Sample Location #3-1'	Sample Location #4-0'	Sample Location #4-1'	Sample Location #5-0'	Sample Location #5-1'	Sample Location #6-0'	Sample Location #6-1'	Sample Location #7-0'	Sample Location #7-1'	Sample Location #8-0'	Residential/ Class 1 Limits (mg/kg)
TPH (C6-C12)(mg/kg)	ND < 10	ND < 11	ND < 11	ND < 9.9	ND < 10	ND < 10	ND < 9.9	ND < 10	ND < 9.7	ND < 9.6	N/A				
TPH (>C12-C28)(mg/kg)	ND < 12	21.3	ND < 12	381	ND < 12	ND < 12	ND < 13	33.0	ND < 12	ND < 12	ND < 12	ND < 12	ND < 11	ND < 11	N/A
TPH (>C28-C35)(mg/kg)	ND < 12	63.4	ND < 12	647	ND < 12	ND < 12	ND < 13	78.7	ND < 12	ND < 12	ND < 12	ND < 12	ND < 11	ND < 11	N/A
TPH (C6-35)(mg/kg)	ND < 10	84.7	ND < 10	1,030	ND < 10	ND < 11	ND < 11	111.7	ND < 10	ND < 10	ND < 9.9	ND < 10	ND < 9.7	ND < 9.6	1,000
Percent Solids (%)	90.2	92.5	92.0	91.0	90.9	86.0	87.9	93.1	94.2	91.5	94.0	91.1	96.1	95.9	N/A
Chloride (mg/kg)	410	18,200	4,480	11,600	2,880	9,570	2,260	18,800	4,180	5,760	5,200	7,730	2,580	118	600
Benzene (mg/kg)	ND < 0.0014	ND < 0.0013	ND < 0.0014	ND < 0.0014	ND < 0.0014	ND < 0.0015	ND < 0.0014	ND < 0.0013	ND < 0.0014	ND < 0.0014	ND < 0.0014	ND < 0.0013	ND < 0.0013	ND < 0.0012	0.026
Toluene (mg/kg)	ND < 0.0016	ND < 0.0014	ND < 0.0016	ND < 0.0016	ND < 0.0016	ND < 0.0017	ND < 0.0016	ND < 0.0014	ND < 0.0016	ND < 0.0016	ND < 0.0015	ND < 0.0015	ND < 0.0014	ND < 0.0014	8.2
Ethylbenzene (mg/kg)	ND < 0.0017	ND < 0.0016	ND < 0.0017	ND < 0.0017	ND < 0.0017	ND < 0.0018	ND < 0.0017	ND < 0.0016	ND < 0.0017	ND < 0.0017	ND < 0.0017	ND < 0.0016	ND < 0.0016	ND < 0.0015	7.6
Xylene (mg/kg)	ND < 0.0019	ND < 0.0017	ND < 0.0019	ND < 0.0019	ND < 0.0019	ND < 0.0020	ND < 0.0019	ND < 0.0017	ND < 0.0019	ND < 0.0019	ND < 0.0018	ND < 0.0018	ND < 0.0017	ND < 0.0016	120

Atha SWD Soil Analytical Results (Sample depth 0' = 0-2" bgs & 1' = 1' bgs)

14-Jun-18

Sample ID	Sample Location #9-0'	Sample Location #10-0'	Sample Location #10-1'	Sample Location #11-0'	Sample Location #12-0'	Sample Location #12-1'	Sample Location #13-0'	Sample Location #14-0'	Sample Location #14-1'	Sample Location #15-0'	Sample Location #16-0'	Sample Location #16-1'	Sample Location #17-0'	Residential/ Class 1 Limits (mg/kg)
TPH (C6-C12)(mg/kg)	ND < 9.6	ND < 10	ND < 10	ND < 9.9	ND < 9.9	ND < 11	ND < 9.8	ND < 10	ND < 10	ND < 9.9	ND < 11	ND < 10	ND < 9.6	N/A
TPH (>C12-C28)(mg/kg)	ND < 11	ND < 12	ND < 12	ND < 11	ND < 12	ND < 12	ND < 11	ND < 12	ND < 11	N/A				
TPH (>C28-C35)(mg/kg)	ND < 11	ND < 12	ND < 12	ND < 11	ND < 12	ND < 12	ND < 11	ND < 12	ND < 11	N/A				
TPH (C6-35)(mg/kg)	ND < 9.6	ND < 10	ND < 10	ND < 9.9	ND < 9.9	ND < 11	ND < 9.8	ND < 10	ND < 10	ND < 9.9	ND < 11	ND < 10	ND < 9.6	1,000
Percent Solids (%)	97.0	94.1	88.0	95.9	95.8	89.9	96.8	93.5	91.2	96.0	91.3	90.7	98.4	N/A
Chloride (mg/kg)	21.8	4,290	3,850	68.2	842	5,370	73.7	9,370	5,600	2,420	8,180	643	43.4	600
Benzene (mg/kg)	ND < 0.0013	ND < 0.0013	ND < 0.0015	ND < 0.0012	ND < 0.0013	ND < 0.0014	ND < 0.0013	ND < 0.0014	ND < 0.0013	ND < 0.0014	ND < 0.0014	ND < 0.0014	ND < 0.0013	0.026
Toluene (mg/kg)	ND < 0.0015	ND < 0.0015	ND < 0.0017	ND < 0.0014	ND < 0.0015	ND < 0.0015	ND < 0.0014	ND < 0.0015	ND < 0.0015	ND < 0.0016	ND < 0.0016	ND < 0.0016	ND < 0.0015	8.2
Ethylbenzene (mg/kg)	ND < 0.0016	ND < 0.0016	ND < 0.0018	ND < 0.0015	ND < 0.0016	ND < 0.0017	ND < 0.0015	ND < 0.0016	ND < 0.0016	ND < 0.0017	ND < 0.0017	ND < 0.0017	ND < 0.0016	7.6
Xylene (mg/kg)	ND < 0.0018	ND < 0.0018	ND < 0.0020	ND < 0.0017	ND < 0.0018	ND < 0.0018	ND < 0.0017	ND < 0.0018	ND < 0.0018	ND < 0.0019	ND < 0.0019	ND < 0.0019	ND < 0.0018	120

Atha SWD Soil Analytical Results (Sample depth 2' bgs & Sample Location #18-0' bgs)

18-Jul-18

Sample ID	Sample Location #2-2'	Sample Location #3-2'	Sample Location #4-2'	Sample Location #5-2'	Sample Location #6-2'	Sample Location #7-2'	Sample Location #10-2'	Sample Location #12-2'	Sample Location #14-2'	Sample Location #15-2'	Sample Location #16-2'	Sample Location #18-0'	Residential/ Class 1 Limits (mg/kg)
Percent Solids (%)	83.2	90.3	83.6	82.4	86.8	94.6	81.7	70.2	81.8	81.8	78	81.5	N/A
Chloride (mg/kg)	6,810	9,100	80.6	273	720	1,410	642	397	4,360	147	611	9	600

Atha SWD Soil Analytical Results (Sample depth 0' = 0-2" bgs & 1' = 1' bgs)

31-Jul-18

Sample ID	Sample Location #2-2.5'	Sample Location #3-2.5'	Sample Location #6-2.5'	Sample Location #7-2.5'	Sample Location #10-2.5'	Sample Location #14-2.5'	Sample Location #16-2.5'	Sample Location #19-0'	Sample Location #20-0'	Sample Location #21-0'	Residential/ Class 1 Limits (mg/kg)
Percent Solids (%)	89.5	89.3	86.0	88.7	Could not reach 2.5'	94.1	86.3	99.1	75.3	73.3	N/A
Chloride (mg/kg)	611	5,330	451	610	N/A	7,220	1,460	36	29	22	600

Atha SWD Soil Analytical Results (Sample depth 3', 4' & 5' bgs)

12-Sep-18

Sample ID	Sample Location #2-3'	Sample Location #2-4'	Sample Location #2-5'	Sample Location #3-3'	Sample Location #3-4'	Sample Location #3-5'	Sample Location #7-3'	Sample Location #7-4'	Sample Location #7-5'	Sample Location #10-3'	Sample Location #10-4'	Sample Location #10-5'	Sample Location #14-3'	Sample Location #14-4'	Residential/ Class 1 Limits (mg/kg)
Percent Solids (%)	84.6	82.5	80.8	82.3	85.7	85.6	96.9	93.7	85.2	87.5	86.8	89.2	80.3	85.5	N/A
Chloride (mg/kg)	1,930	642	292	668	3,500	3,430	2,090	1,360	173	992	887	184	630	76	600

Sample ID	Sample Location #14-5'	Sample Location #16-3'	Sample Location #16-4'	Sample Location #16-5'	Residential/ Class 1 Limits (mg/kg)
Percent Solids (%)	87.5	84.0	82.7	81.9	N/A
Chloride (mg/kg)	28	145	57	87	600