

EXPLORATION LOG SA84-A4

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 4

EXPLORATION DATE: 9-24-2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

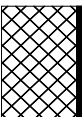
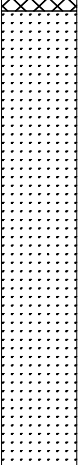
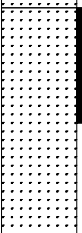
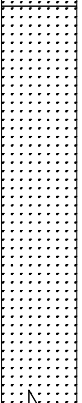
LOGGED BY: SEARS/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
2.5		FILL	Collect SA84-0.5B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 = 0.0 ppmV FILL, SW, SAND with gravel, brown (7.5YR 5/4), 90% fine to coarse sand, 10% fine to coarse gravel, trace reworked asphalt fragments, dense, dry, no plasticity, strong HCl reaction						
5		SW	SAND with gravel, reddish brown (7.5YR 5/4), 90% fine to coarse sub-angular to sub-rounded sand, 10% fine to medium sub-angular to sub-rounded gravel, dense, dry, no plasticity						
10		SW	Collect SA84-10B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 0.1 ppmV						
12.5		SW	SAND, reddish brown (5YR 5/4), 90% fine to coarse sand, 10% fine to medium gravel, trace caliche fragments, dense, damp, no plasticity, well cemented zones (calcite cement)						
15									
17.5									

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20									
22.5									
25		SW	Collect SA84-25B						
27.5		SP	SAND, reddish brown (5YR 4/4), 5% silt, 95% very fine to fine sand, medium dense to dense, damp, no to low plasticity, weakly cemented zones, weak HCl reaction						
30									
32.5									
35		SP	...color to yellowish red (5YR 5/8)						

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		SP	...medium plasticity						
		SP	Collect SA84-43B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV						
			END OF BORING AT 44.5 FEET						

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