

EXPLORATION LOG SA88

PROJECT: TRONOX PHASE B
 EXPLORATION LOCATION: TRONOX AREA 1
 EXPLORATION SIZE (dia.): 3" CORE BARREL
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
 EXPLORATION DATE: 7/2/2009
 EQUIPMENT: SDC550-24 SONIC CORE RIG
 LOGGED BY: THOMPSON/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA
 DATE MEASURED: NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		<p>Fill</p> <p>SW-SM</p>	<p>Reddish brown (5YR 4/4) well graded SAND with silt, trace gravel. 80-90% medium grained sand, 10-20% silt, trace subangular to subrounded gravel. Low plasticity, dry.</p> <p>8.5-9.5 feet thin, less than 2 inches thick, caliche lenses/nodules.</p> <p>Collect sample SA88-10B, very dense, dry. PID readings: 11.7 eV 0.6 ppmV, 10.6 eV 0.0 ppmV.</p> <p>13-14 feet, 2-5% subangular to subrounded gravel, less than 3 inches diameter, volcanic. Dry.</p> <p>16-19.5 feet, weak to moderate cementation.</p>						

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20		SM	Reddish brown/reddish yellow (5YR 6/4) silty SAND. 70-80% fine sand, 20-30% silt. Low plasticity, dry. Collect sample SA88-20B, very dense, dry. PID readings: 11.7 eV 2.8 ppmV, 10.6 eV 0.0 ppmV.						
22.5		ML	Muddy Creek Formation. Reddish brown (5YR 4/3) SILT with sand. 85-90% silt, 10-15% fine sand, trace clay. Low plasticity, slightly moist.						
25									
27.5									
30									
32.5			Collect sample SA88-32B. Very stiff, moist. PID readings: 11.7 eV 1.3 ppmV, 10.6 eV 0.0 ppmV.						
END OF BORING AT 33.5 FEET									

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