



# EXPLORATION LOG SA176-A1

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

**PROJECT NO.:** 20092518V1  
**EXPLORATION DATE:** 7-13-2009  
**EQUIPMENT:** SDC550-24 SONIC CORE RIG  
**LOGGED BY:** SEARS/DAVIS

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

**DATE MEASURED:** N/A  
**DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW-SM	SAND with silt, reddish brown (5YR 4/4), 10%-20% silt, 80%-90% fine to medium sand, trace gravel, low plasticity, weakly cemented						
		SW-SM	21' to 21.5' below ground surface (BGS) caliche nodules present						
		SW-SM	...24' to 25' BGS weakly to moderately cemented						
		ML	Collect SA176-25B, PID readings: 10.6 eV = 0.6 ppmV MUDDY CREEK FORMATION: SILT with sand, reddish brown (2.5YR 4/3), 85%-95% silt, 5%-15% fine sand, calcite and gypsum crystals present at contact with alluvium, very dense, dry						
		ML	...slightly moist, low to moderate plasticity						

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37.5		ML	Collect SA176-37B, PID readings: 10.6 eV = 0.4 ppmV ...very stiff, moist						
40			<b>END OF BORING AT 38.5 FEET</b>						
42.5									
45									
47.5									
50									
52.5									

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