

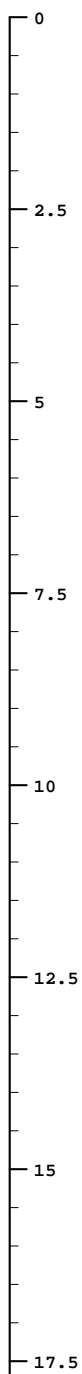
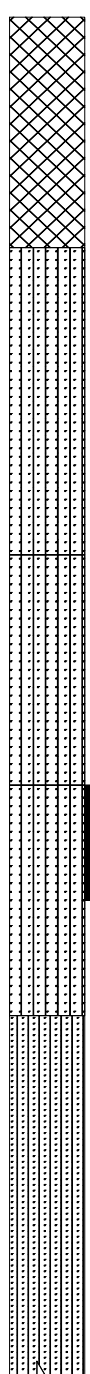
EXPLORATION LOG RSAO3-A1

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

PROJECT NO.: 20092518V1
EXPLORATION DATE: 7-14-2009
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
		<p>FILL</p> <p>SW-SM</p> <p>SW-SM</p> <p>SW-SM</p> <p>SM</p>	<p>FILL from excavation, road, and railroad grading</p> <p>SAND with silt, reddish brown (5YR 4/4), 5%-10% silt, 85%-95% fine to medium sand, trace gravel, dry, no to low plasticity</p> <p>...silt content to 10%-20%</p> <p>Collect RSAO3-10B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 1.2 ppmV</p> <p>Silty SAND, reddish brown (5YR 4/4), trace clay, 20%-30% silt, 70%-80% fine sand, low plasticity</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

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20		SM	...19' to 20' below ground surface (BGS) caliche nodules present						
22.5		SM	Collect RSAO3-20b, RSAO3009-20B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 1.2 ppmV ...very dense, dry						
25		ML	MUDDY CREEK FORMATION: SILT with sand, reddish brown (2.5YR 4/4), trace clay, 80%- 90% silt, 10%-20% fine sand, low plasticity						
27.5		ML	...moist						
30									
32.5		ML	Collect RSAO3-31B ...very stiff, moist						
			END OF BORING AT 32.5 FEET						
35									

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