

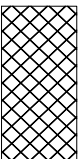
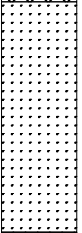
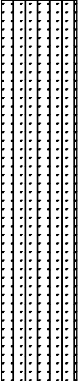

# EXPLORATION LOG RSAM3-A1

**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
0		FILL	FILL, sand with gravel						
2.5		SW	SAND, reddish brown (5YR 4/4), 5%-10% silt, 90%-95% fine to medium sand, trace gravel, dry, no plasticity						
5		SW-SM	SAND with silt, reddish brown (5YR 4/4), 10%-15% silt, 85%-90% fine to medium sand, trace gravel, dry, low plasticity						
10		SW-SM	Collect RSAM3-10B, PID readings: 10.6 eV = 0.9 ppmV						
12.5									
15									
17.5									

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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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		ML	MUDDY CREEK FORMATION: SILT with sand, reddish brown (2.5YR 4/4), 80%-90% silt, 10%-20% fine sand, moist, low to moderate plasticity						
		ML	Collect RSAM3-30B ...moist						
			END OF BORING AT 31.5 FEET						

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