

# EXPLORATION LOG RSAM8-A2

**PROJECT:** TRONOX PHASE B  
**EXPLORATION LOCATION:** TRONOX AREA 2  
**EXPLORATION SIZE (dia.):** 3" CORE BARREL  
**ELEVATION:** EXISTING GROUND SURFACE

**PROJECT NO.:** 20092518V1  
**EXPLORATION DATE:** 8-7-2009  
**EQUIPMENT:** SDC550-24 SONIC CORE RIG  
**LOGGED BY:** THOMPSON/GAREY

**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	SAND, dark reddish brown (5YR 2.5/2), trace silt, 95% fine to medium sub-angular to sub-rounded sand, 5% angular to sub-rounded fine gravel, loose to dense, dry, no to low plasticity, moderate to strong zones of cementation (calcite cement), moderate HCl reaction						
	27 30 26	SW	Collect RSAM8-10B, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 2.6 ppmV						
		SW	SAND, dark reddish brown (5YR 3/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium sub- angular to sub-rounded volcanic gravel, dense, dry, no plasticity, moderately to strongly cemented zones (calcite cement), moderate HCl reaction						

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20		SP	Collect RSAM8-20B, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 1.2 ppmV						
22.5		SW	SAND, light brown (7.5YR 6/3), trace silt, 100% very fine to fine sub-angular to sub-rounded sand, medium loose, dry, moderate HCl reaction						
25			SAND, dark reddish brown (5YR 3/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium sub- angular to sub-rounded volcanic gravel, dense, dry, no plasticity, moderately to strongly cemented zones (calcite cement), moderate HCl reaction						
27.5									
30									
32.5		SM	Collect RSAM8-31B, PID readings: 10.6 eV = 0.8 ppmV, 11.7 eV = 6.3 ppmV MUDDY CREEK FORMATION: Silty SAND, yellowish brown (10YR 5/6), 15% silt, 85% very fine to fine sand, trace caliche nodules, dense, damp, moderate plasticity, strong HCl reaction						
35			<b>END OF BORING AT 32.5 FEET</b>						

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