

# EXPLORATION LOG SA66-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:** 9-21-2009  
**EQUIPMENT:** SDC550-24 SONIC CORE RIG  
**LOGGED BY:** SEARS/BRINKERHOFF

**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
	3 5 14	SP-SM	Collect SA66-0.5B, PID readings: 10.6 eV = 1.2 ppmV, 11.7 eV = 0.9 ppmV Silty SAND, yellowish brown (10YR 5/4), 35% silt, 60% fine to medium sand, 5% sub-angular to sub-rounded gravel, loose, dry, strong HCl reaction, strong chemical odor						
		SP-SM	...weak to moderate cementation						
		SP-SM	...yellowish red (5YR 5/6) staining						
	34 35 37	SP-SM	Collect SA66-10B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 1.0 ppmV						
		ML SP-SM	SILT with sand, yellowish brown (7.5YR 6/3), 70% silt, 20% fine sand, 10% sub- angular to sub-rounded gravel, medium dense, dry, strong reaction to HCl Silty SAND, yellowish brown (7.5YR 6/3), 35% silt, 60% fine to medium sand, 5% fine to medium gravel, medium dense, dry, weak to moderate cementation, strong HCl reaction						

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20									
22.5									
25									
27.5		SC	Clayey SAND, reddish brown (5YR 4/4), 35% lean clay, 65% fine to medium sand, trace gravel, medium dense, moist, moderate plasticity, strong HCl reaction						
30		SC	Collect SA66-29B, PID readings: 10.6 eV = 0.8 ppmV, 11.7 eV = 0.5 ppmV						
32.5			<b>END OF BORING AT 30.5 FEET</b>						
35									

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