

# EXPLORATION LOG SA60-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:** 8-24-2009  
**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
		SP-SM	Silty SAND with gravel, yellowish brown (10YR 5/4), 35% silt, 50% sand (90% fine, 10% medium), 15% sub-angular to sub-rounded gravel, medium dense, dry, strong HCl reaction						
		SP-SM	...moderately cemented						
		SP-SM	Collect SA60-10B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV						

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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		SM	Sandy SILT, yellowish brown (10YR 5/4), 65% silt, 35% fine sand, trace gravel, medium dense, dry, strong HCl reaction							
		SP	SAND with silt and gravel, yellowish brown (10YR 5/4), 20% silt, 65% sand (85% fine, 15% medium), 15% fine to medium gravel, dense, dry, strong HCl reaction Collect SA60-20B, SA60009-20B, PID readings: 10.6 eV = 3.7 ppmV, 11.7 eV = 2.8 ppmV							
		SP								
			SP-SM	Silty SAND with gravel, brown (7.5YR 4/4), 20% silt, 65% sand (80% fine, 20% medium), 15% sub-angular to sub-rounded gravel, dense, moist, strong HCl reaction						
			SP-SM	...color to yellowish brown (10YR 5/4)						
		SP-SM	Collect SA60-33B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV ...moderately well cemented							
			<b>END OF BORING AT 34.5 FEET</b>							

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