

# EXPLORATION LOG SA109-A2

**PROJECT:** TRONOX PHASE B

**PROJECT NO.:** 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 2

**EXPLORATION DATE:** 9-10-2009

**EXPLORATION SIZE (dia.):** 3" CORE BARREL

**EQUIPMENT:** SDC550-24 SONIC CORE RIG

**ELEVATION:** EXISTING GROUND SURFACE

**LOGGED BY:** SEARS/BRINKERHOFF

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**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, yellowish brown (10YR 5/4), 40% silt, 60% fine to medium sand, trace fine gravel, medium dense, dry, strong HCl reaction						
		SP-SM	...6" thick moderately cemented zone						
		SP-SM	...3" diameter cobble, gravel content to 5%						
		SP-SM	Collect SA109-10B, SA109-10BMS, SA109-10BMSD, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV						

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		SP	SAND with silt, yellowish brown (10YR 5/4), 15% silt, 75% fine to medium sand, 10% fine to medium gravel, medium dense, moist, strong HCl reaction						
		SP	Collect SA109-25B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 0.0 ppmV ...weak to moderate cementation						
		SP	...color to dark reddish grey (2.5YR 3/ 1)						
		SC	Clayey SAND, strong brown (7.5YR 5/6), 30% lean clay, 70% fine sand, trace gravel, dense, moist, low to medium plasticity, weak to moderate cementation, no HCl reaction						
		SC	Collect SA109-34B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV						

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			<p><b>END OF BORING AT 35.5 FEET</b></p>						

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