

# EXPLORATION LOG SA49-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:** 7/30/2009  
**EQUIPMENT:** SDC550-24 SONIC CORE RIG  
**LOGGED BY:** SEARS/GAREY

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED  
**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** NA  
**DATE MEASURED:** NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW	Strong brown well graded SAND. 95% fine to coarse grained sand, 5% subrounded, subangular gravel, trace thin layers of caliche. Moderately loose, moderate K, non plastic, no odor, clasts of volcanic rock.						
		SW-SM	Well graded SAND with silt and gravel. 80% fine-coarse grained sand, 10% silt, 10% fine-medium grained gravel; subangular to subrounded, volcanic. Very dense, low K, weakly to strongly cemented with calcite cement, dry. Collect sample SA49-10B; PID readings: 10.6eV=3.6 ppmV, 11.7eV=0.0 ppmV.						
		SW	Dark brown (7.5YR 3/3) well graded SAND with gravel. 75% fine to coarse grained, subangular						

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			<p>to subrounded sand, 20% fine grained, subangular to subrounded gravel, volcanic clasts, 5% silt in layers. Low plasticity, moderate K, no odor, trace caliche.</p> <p>Collect sample SA49-20B; PID readings: 10.6eV=0.5 ppm, 11.7eV=0.0 ppmV.</p>						
		SM	<p>...silty SAND.</p> <p>Collect sample SA49-32B</p>						
			END OF BORING AT 33.5 FEET						

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