

EXPLORATION LOG SA123

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 7/27/2009

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: NA

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		Fill	<p>Yellowish brown (10YR 5/4) silty SAND with gravel (60% sand (75% fs, 20% ms, 5% cs), 35% silt, 15% gravel (80% fg, 20% mg), subangular to subrounded), dry, medium dense, strong reaction to HCl. Collect sample SA123-0.5B, PID readings: 10.6eV=0.0 ppmV, 11.7eV=2.2 ppmV.</p>						
		SP-SM	<p>Alluvium, reddish brown (5YR 4/4), silty SAND (65% sand (80% fs, 15% ms, 5% cs), 35% silt, trace gravel), dry, dense, strong reaction with HCl. Collect sample SA123-10B, PID readings: 10.6eV=0.0 ppmV, 11.7eV=0.0 ppmV.</p>						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		SP	Yellowish brown (10YR 5/4) poorly graded SAND with silt, (70% sand (90% fs, 5% ms, 5% cs), 20% silt, 10% gravel, (100% fg)), moist, dense, strong reaction with HCl.						
			...weak to moderate cementation with white (10YR 8/1) caliche nodules.						
		CALI	Caliche. Collect sample SA123-27B, PID readings: 10.6eV=0.2 ppmV, 11.7eV=0.0 ppmV.						
		SP-SM	Brown (7.5YR 4/4) silty SAND (65% sand (80% fs, 20% ms), 35% silt, trace gravel), moist, dense, strong reaction with HCl, trace organics.						
			END OF BORING AT 29.5 FEET						

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