

EXPLORATION LOG RSAI4

PROJECT: TRONOX PHASE B **PROJECT NO.:** 20092518V1
EXPLORATION LOCATION: TRONOX AREA 1 **EXPLORATION DATE:** 7/24/2009
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	Yellowish brown (10YR 5/4) silty SAND. 65% sand (80% fs, 20% ms, trace cs), 25% silt, 10% gravel (70% fg, 30% mg, subangular-subrounded), dry, medium dense, strong reaction with HCl. Collect sample RSAI4-0.5B. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV=0.0 ppmV.						
		SM	Yellowish brown (10YR 5/4), silty SAND. 65% sand (80% fs, 20% ms, trace cs), 25% silt, 10% gravel (70% fg, 30% mg, subangular), dry, strong reaction with HCl. Collect sample RSAI4-10B, RSAI4-10BMS, RSAI4-10BMSD. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV=0.0 ppmV.						
		ML	Yellowish brown (10YR 5/4) SILT with sand. 70% silt, 25% sand (100% fs), 5% gravel (100% fg). Dry, stiff, strong reaction with HCl.						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		SP-SM	<p>Yellowish brown (10YR 5/4) silty SAND. 65% sand (80% fs, 20% ms), 35% silt, trace gravel, moist, dense, strong reaction with HCl.</p> <p>Collect sample RSAI4-20B. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV=0.0 ppmV</p> <p>...trace clay, high plasticity.</p>						
		SC	<p>Yellowish brown (10YR 5/4), clayey SAND. 65% fine grained sand, 35% lean clay, trace gravel, moist, no reaction with HCl, laminated.</p> <p>Collect sample RSAI4-32B. PID readings: 10.6 eV=0.0 ppm, 11.7 eV=0.0 ppmV.</p>						
			END OF BORING AT 33.5 FEET						

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