

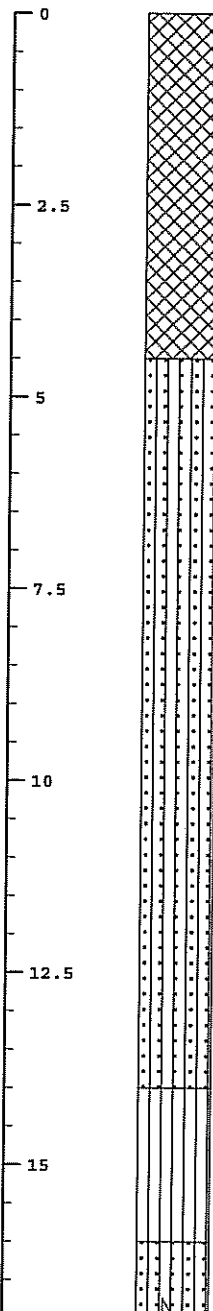
EXPLORATION LOG SA145

PROJECT: TRONOX PHASE B
 EXPLORATION LOCATION: TRONOX AREA 1
 EXPLORATION SIZE (dia.): 3" CORE BARREL
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
 EXPLORATION DATE: 7/23/2009
 EQUIPMENT: SDC550-24 SONIC CORE RIG
 LOGGED BY: SEARS/BRINKERHOFF

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

DATE MEASURED: NA
 DATE MEASURED: NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		Fill	Reddish brown (5YR 4/4) SILT with sand. 70% silt, 30% sand (90% fs, 10% ms), trace gravel. Dry, strong reaction with HCl, loose, black (5YR 2.5/1) coating at surface.						
		SP-SM	Yellowish red (5YR 4/6) silty SAND. 55% sand (70% fs, 20% ms, 10% cs), 45% silt, trace gravel, trace lean clay, moist, moderately cemented, strong reaction with HCl, low plasticity. Driller reports hard drilling. ...non plastic, weak to moderate cementation, very dense. Driller reports easier drilling. Collect sample SA145-10B, SA145-10BMS, SA145-10BMSD. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV=0.0 ppmV						
		ML	Reddish brown (5YR 4/4) SILT with sand. 70% silt, 25% sand (90% fs, 10% ms), 5% gravel (subangular-subrounded, 1005 fg), dry, strong reaction with HCl, stiff.						
		SP-SM	Yellowish brown (10YR 5/4) silty SAND with gravel. 65% sand (75% fs, 15% ms, 10% cs),						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
			20% silt, 15% gravel (subangular-subrounded, 80% fg, 20% mg), dry, dense, strong reaction with HCl, weak to moderate cementation.						
		SP	<p>Reddish brown (5YR 4/3) poorly graded SAND with gravel. 80% sand (80% fs, 20% ms, trace cs), 20% gravel (subangular-subrounded, 80% fg, 20% mg), moist, dense, strong reaction to HCl.</p> <p>Collect sample SA145-24B. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV=0.0 ppmV.</p>						
			END OF BORING AT 25.5 FEET						

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