


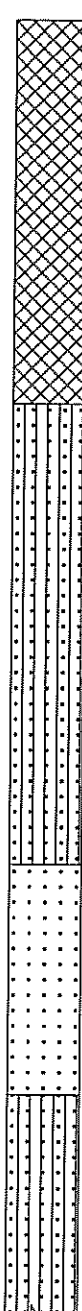
EXPLORATION LOG RSAH3

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

PROJECT NO.: 20092518V1
 EXPLORATION DATE: 7/24/2009
 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
		<p>Fill</p> <p>SP-SM</p> <p>SP</p> <p>SP-SM</p>	<p>Yellowish brown (10YR 5/4) silty SAND. 65% SAND (80% fs, 20% ms, tr cs), 25% silt, 10% gravel (70% fg, 30% mg, subangular to subrounded), dry, dense, strong reaction to HCl. Collect sample RSAH3-0.5B, RSAH3009-0.5B. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV=0.0 ppmV.</p> <p>Reddish brown (5YR 5/4) silty SAND. 65% sand (90% fs, 10% ms, trace cs), 35% silt, trace gravel, dry, medium dense, strong reaction with HCl. Collect sample RSAH3-10B. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV=0.0 ppmV.</p> <p>Reddish brown (5YR 4/4) poorly graded SAND with silt. 75% sand (80% fs, 20% cs), 20% silt, 5% gravel (90% fg, 10% mg) subangular-subrounded, dry, dense, strong reaction to HCl. Driller reports hard drilling at 12 feet.</p> <p>Yellowish brown (10YR 5/6) silty SAND. 65% sand (90% fs, 10% ms), 30% silt, 5% gravel (100% fg, subrounded), dry, dense, strong reaction with HCl. Driller reports softer drilling.</p>						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION	
17.5										
		CALI	...with white (10YR 8/1) caliche nodules at 18.5 feet.							
20			Collect sample RSAH3-20B, PID readings: 10.6 eV=0.6 ppmV, 11.7 eV=0.4 ppmV.							
		SP	Light yellowish brown poorly graded SAND with silt. 75% sand (95% fs, 5% ms, trace cs), 20% silt, 5% gravel (100% fg), moist, dense, strong reaction with HCl.							
22.5										
25										
27.5		SC	Muddy Creek Formation. Yellowish red (5YR 4/6) clayey SAND. 65% fine grained sand, 35% lean clay, trace gravel, moist, dense, no reaction with HCl.							
30	SP-SM	Yellowish brown (10YR 5/4) silty SAND. 60% sand (80% fs, 20% ms), 40% silt, trace gravel, dry, medium dense, strong reaction with HCl.								
32.5	SC	Yellowish red (5YR 4/6) clayey SAND. 60% sand (90% fs, 10% ms), 35% lean clay, 5% gravel (80% fg, 20% mg, subangular-subrounded), dry, dense, weak to moderate cementation, strong reaction with HCl. Collect sample RSAH3-32B, PID readings: 10.6 eV=2.4 ppmV, 11.7 eV=0.5 ppmV.								
			END OF BORING AT 33.5 FEET							

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