

EXPLORATION LOG RSAK3

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

PROJECT NO.: 20092518V1
 EXPLORATION DATE: 7/2/2009
 EQUIPMENT: SDC550-24 SONIC CORE RIG
 LOGGED BY: THOMPSON/DAVIS

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	LI	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		Fill	Graded area around berm for pond.						
		SW-SM	<p>Reddish brown (5YR 4/4) well graded SAND with silt, trace subangular to subrounded gravel, volcanic. 80-90% fine to coarse grained sand, 10-20% silt, trace gravel less than 2 inches in diameter. Low plasticity, very dense, dry. Collect sample RSAK3-0.5B. PID readings: 11.7 eV 58.1 ppmV, 10.6 eV 3.1 ppmV.</p> <p>8.5-9 feet, thin, less than 2 inches, caliche lenses/nodules.</p> <p>Collect sample RSAK3-10B, very dense, dry. PID readings: 11.7 eV 21.5 ppmV, 10.6 eV 0.7 ppmV.</p> <p>15-16 feet, trace subrounded gravel, less than 3 inches diameter, volcanic. Dry.</p>						

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			<p>17-18 feet, weak to moderate cementation, calcite cement, light pinkish gray (5YR 7/2).</p> <p>19-20 feet weak to moderate cementation, calcite cement, light pinkish gray (5YR 7/2). Collect sample RSAK3-20B, very dense, dry.</p>						
		ML	<p>Muddy Creek Formation. Reddish brown (2.5YR 5/4) SILT with sand. 80-90% silt, 10-20% fine sand, low plasticity, moist.</p> <p>Poor recovery 20-30 feet, soft material below cemented zone.</p> <p>Collect sample RSAK3-31B, RSAK3-31MSB, RSAK3-31BMS, RSAK3-31BMSD. Moist. PID readings: 11.7 eV 4.1 ppmV, 10.6 eV 2.9 ppmV.</p>						
			END OF BORING AT 32.5 FEET						

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