

EXPLORATION LOG RSAM4

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

PROJECT NO.: 20092518V1
 EXPLORATION DATE: 07082009
 EQUIPMENT: SDC550-24 SONIC CORE RIG
 LOGGED BY: SEARS/DAVIS

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

DATE MEASURED: NA
 DATE MEASURED: NA

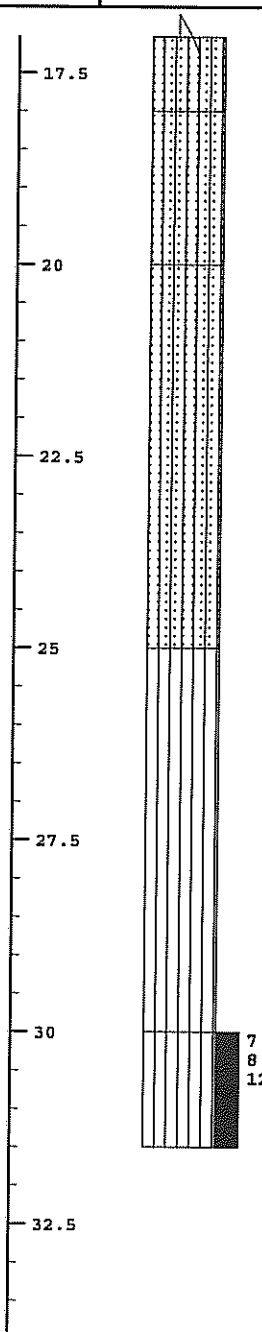
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		FILL	FILL: Reddish brown (5 YR 4/3) well graded SAND with silt, trace gravel (70% - 90% fine to medium sand; 10% - 30% silt), gravel is subrounded to subangular), dry and medium density. Approximately 6 inches thick, overlain by 4 inches of asphalt.						
		SW-SM	Reddish brown (5 YR 4/3) well graded SAND with silt, trace gravel (70% - 90% fine to medium sand; 10% - 30% silt, gravel is subrounded to subangular), dry and medium dense. Collect sample RSAM4-0.5B. PID readings: 11.7 eV = 2.9 ppmV; 10.6 eV = 0.3 ppmV.						
		SW-SM	Collect sample RSAM4-10B. Very dense. PID readings: 11.7 eV = 0.0 ppmV; 10.6 eV = 0.0 ppmV.						
		SW-SM	...weak to moderate calcite cementation at 13 - 14 feet below ground surface (BGS).						

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INITIAL DEPTH TO WATER: <u>NOT ENCOUNTERED</u>	DATE MEASURED: <u>NA</u>
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		SW-SM	...18 to 19 feet BGS. Gravel present, approximately 3 inches in diameter, subrounded to subangular, and of volcanic origin.						
		SW-SM	...no recovery 20 to 25 feet BGS.						
		ML	...MUDDY CREEK FORMATION: Reddish brown (2.5 YR 5/4) SILT with sand, and trace clay (80% - 90% silt; 10% - 20% fine sand), moist and very stiff.						
		ML	Collect sample RSAM4-30B. Moist and very stiff. PID readings: 11. eV = 0.0 ppmV; 10.6 eV = 0.2 ppmV.						
			END OF BORING AT 31.5 FEET						

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