

# EXPLORATION LOG RSAL4

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 1

EXPLORATION DATE: 7/7/2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE


LOGGED BY: SEARS/DAVIS

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
0		Fill							
0 to 1.5	13 10 9	SW-SM	Well graded SAND with silt, trace gravel; 70-90% fine-coarse grained sand, 10-20% silt, trace gravel. Collect sample RSAL4-0.5B, RSAL4009-0.5B. PID readings: 10.6 eV=0.2 ppmV, 11.7 eV=0.0 ppmV. Dry.						
1.5 to 3.5			3.5-4.5 feet; gravel 5-8%, subangular to subrounded, volcanic.						
3.5 to 7.5			Reddish brown (5YR 5/3).						
7.5 to 10.0			8-9 feet; caliche nodules/lenses less than 2 inches diameter.						
10.0 to 11.0	34 35 30		Collect sample RSAL4-10B, very dense, dry.						
11.0 to 12.5									
12.5 to 15.0									

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		SM	Reddish brown (2.5YR 5/4) gypsiferous silty SAND (Muddy Creek Formation?). 50- 70% fine grained sand, 30-50% silt, trace gypsum disseminated throughout as fine grained crystals. Moist.  Collect sample RSAL4-28B; medium dense, moist. PID readings: 10.6 eV=0.2 p p mV11.7 eV=0.0 ppmV						
			END OF BORING AT 29.5 FEET						

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