

EXPLORATION LOG SA202-A1

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

PROJECT NO.: 20092518V1
 EXPLORATION DATE: 6/25/2009
 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)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		Fill	Silty sand and gravel of road fill.						
		SM	Reddish brown, (5YR 4/3), well graded silty SAND, 85-90% fine to coarse sand, 10-15% silt, trace subangular to subrounded gravel, low plasticity, dry. 9 - 9.5 feet, caliche nodules/lenses, light gray to white. Collect sample SA202-10B. PID readings: 11.7 eV 12.2 ppmV, 10.6 eV 10.5 ppmV. Dry 13 - 14 feet thin caliche lenses less that 2 inches thick.						
		SW-SM	Reddish brown (5YR 4/3) well graded SAND with silt and gravel. 60-80% fine to coarse grained sand, 10-15% silt, 10-15% subrounded to angular gravel, volcanic. Dry.						

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		SM	<p>Reddish brown (5YR 4/3) silty SAND, 70-85% fine to coarse grained sand, 15-30% silt, trace gravel, low plasticity, dry.</p> <p>20.5-21 weakly cemented, trace caliche nodules less than 2 inches diameter.</p>						
		ML	<p>Muddy Creek Formation. Light reddish brown (5YR 6/4) sandy SILT, 70-80% silt, 20-30% fine sand, trace clay. Low plasticity, dry.</p> <p>Pale brown (10YR 6/3).</p> <p>Reddish brown (5YR 6/4). Collect sample SA202-28B. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 0.7 ppmV.</p>						
			END OF BORING AT 29.5 FEET						

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