

EXPLORATION LOG SA74

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

PROJECT NO.: 20092518V1
 EXPLORATION DATE: 7/15/2009
 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	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
	PAVE Fill	SW-SM	<p>Alluvium. Reddish brown (5YR 4/3) well graded SAND with silt, trace gravel. 85-90% fine-medium grained sand, 10-15% silt, trace gravel <2" diameter, subrounded, volcanic. Dense, dry, non-low plasticity. Collect samples SA74-0.5B, SA74009-0.5B, EB071509-SO. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV=5.4 ppmV.</p> <p>Collect sample SA74-10B, dense, dry</p>						

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		CL	Reddish brown (5YR 4/3) lean CLAY, high plasticity.						
		SM	Reddish brown (2.5YR 5/3) silty SAND. 60-80% fine grained sand, 20-40% silt, trace clay, dry, low plasticity. Muddy Creek formation?						
		ML	Muddy Creek Formation. Reddish brown (2.5YR 5/3) SILT with sand. 80-90% silt, 10-20% fine grained sand, low plasticity, moist, very stiff. Collect sample SA74-29B. PID readings: 10.6 eV=0.1 ppmV, 11.7 eV=2.4 ppmV. END OF BORING AT 30.5 FEET						

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