


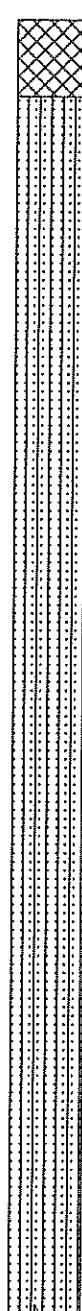
# EXPLORATION LOG RSAL3

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

PROJECT NO.: 20092518V1  
 EXPLORATION DATE: 7/1/2009  
 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
		<p>Fill</p> <p>SW-SM</p>	<p>Brown (10YR 4/3), well graded SAND with silt, 80-90% fine to coarse grained sand, 10-20% silt, trace subangular to subrounded gravel, less than 2 inches diameter, volcanic. Low plasticity, dry.</p> <p>Reddish brown (5YR 4/4), increase gravel content, 5-8% subangular to subrounded gravel, volcanic.</p> <p>Brown (10YR 4/3). Weak cementation 8-9.5 feet, lenses of cemented material less than 2 inches thick.</p> <p>Collect sample RSAL3-10B, very dense, dry. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 0.2 ppmV.</p> <p>13-14 feet, weak cementation, calcite cement, dry.</p> <p>16-17.5 feet, moderate to strong cementation, dry.</p>						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
			19-20 feet, moderate to strong cementation.						
		ML	Muddy Creek Formation. Reddish brown, (5YR 5/4) SILT with sand, 80-90% silt, 10-20% fine grained sand. Low plasticity, moist.						
			Collect sample RSAL3-30B, very stiff, moist. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 0.4 ppmV.						
			END OF BORING AT 31.5 FEET						

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