





# EXPLORATION LOG SA69

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

PROJECT NO.: 20092518V1  
 EXPLORATION DATE: 7/7/2009  
 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)	% SWELL	WELL CONSTRUCTION
0		Fill	4 inches of asphalt, approximately 1 foot of substrate.						
2.5		SW-SM	Reddish brown (5YR 4/3) well graded SAND with silt. 80-90% sand, 10-20% silt, trace gravel, dry. Collect sample SA69-0.5B, dry. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 0.4 ppmV.						
5									
7.5		SM	Reddish brown (5YR 4/3) silty SAND, 70-90% fine to medium grained sand, 10-30% silt, trace caliche nodules/lenses less than 2 inches thick.						
10			9-10 feet, 5-8% subangular to subrounded gravel, less than 2 inches in diameter. Collect sample SA69-10B, very dense, dry. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 0.2 ppmV.						
12.5									
15		SW	Well graded SAND with silt. 90-95% fine to medium grained sand, 5-10% silt.						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		SM	Reddish brown silty SAND, low plasticity.						
		SW	Dark reddish brown (5YR 4/3) well graded SAND, trace silt; fine to medium grained sand. non plastic, Dry.  21-22 feet, weak cementation, calcite cement.						
		ML	Muddy Creek Formation. Reddish brown (2.5YR 5/4) SILT with sand, trace clay, trace gypsum. 85-95 silt, 5-15% fine grained sand.  Moist at 27 feet.  Collect sample SA69-29B, hard, moist. PID readings: 11.7 eV 4.7 ppmV, 10.6 eV 0.4 ppmV.						
			END OF BORING AT 30.5 FEET						

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