

EXPLORATION LOG SA63-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: 7/30/2009
 EQUIPMENT: SDC550-24 SONIC CORE RIG
 LOGGED BY: SEARS/GAREY

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
		SW	<p>Dark brown (7.5YR 3/4) well graded SAND. 100% fine to coarse grained, sunangular to subrounded sand, non plastic, high K, medium dense, dry, no odor, strong reaction with HCl, max grain size 0.25 inches.</p> <p>...strong brown (7.5YR 5/8).</p> <p>...trace black basalt fragments, fine grained, subrounded with calcite coating, max grain size 0.5 inches.</p>						
		SW	<p>Strong brown (7.5YR 5/8) well graded sand with gravel. 90% fine to coarse grained sand, 10% gravel <0.5 inches, volcanic, non plastic, high K, weak to moderate cementation, no odor, strong reaction to HCl.</p> <p>Collect sample SA63-10B, SA63-10BMS, SA63-10BMSD; PID readings: 10.6eV=0.8 ppmV, 11.7eV=8.7 ppmV.</p>						

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20		SP-SM	Light brown (7.5YR 6/3) poorly graded SAND with silt, 80% fine grained, subangular to subrounded sand, 20% silt, moderate plasticity, low K, no odor, strong reaction with HCl.						
22.5			Collect sample SA63-23B; PID readings: 10.6eV=0.7 ppmV, 11.7eV=3.2 ppmV.						
25									
27.5									
30		SP-SM	Pink (7.5YR 7/4) poorly graded SAND with silt, 80% fine grained, subangular to subrounded sand, 20% silt, moderate plasticity, low K, no odor, strong reaction to HCl.						
32.5			Collect sample SA63-32B; PID readings: 10.6eV=0.7 ppmV, 11.7eV=0.0 ppmV.						
35			END OF BORING AT 33.3 FEET						

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