

EXPLORATION LOG SA73-A2

PROJECT: TRONOX PHASE B
 EXPLORATION LOCATION: TRONOX AREA 2
 EXPLORATION SIZE (dia.): 3" CORE BARREL
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
 EXPLORATION DATE: 7/29/2009
 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
	<p>PAVE</p> <p>SW</p>	<p>Asphalt</p> <p>Alluvium, strong brown (7.5YR 4/6) SAND, 100% fine-coarse grained sand, subangular to subrounded, no odor, strong reaction to HCl, non plastic. Collect sample SA73-0.5B. PID readings: 10.6eV=0.1 ppmV, 11.7ev=3.4 ppmV</p> <p>...weak cementation (calcite), strong brown (7.5YR 5/8).</p> <p>Collect sample SA73-10B, PID readings: 10.6eV=3.1 ppmV, 11.7eV=3.5 ppmV.</p> <p>...strong brown (7.5YR 5/8), dense to very dense, dry. 100% subangular to subrounded sand, max grain size <0.25 inches, high to low K, no odor, layers of strongly cemented sand (calcite cement).</p>							

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

EXPLORATION LOG SA73-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 7/29/2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: SEARS/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW-SM	Light brown (7.5YR 6/4) well graded SAND with silt, 90% sand, 10% silt, subangular to subrounded, low plasticity, low K, reacts with HCl, no odor, weakly cemented, volcanic fragments. 21-22 feet, trace gravel, volcanic.						
		SP-SM	Light brown (7.5YR 6/4), poorly graded SAND with silt, fine grained sand, moderate plasticity.						
		SW	Light reddish brown (5YR 6/4) well graded SAND, trace silt. medium loose, dry, 90% fine-medium grained sand, subangular to subrounded, 10% silt, low plasticity, moderate K, reacts with HCl, clasts are volcanic. ...light brown Collect sample SA73-30B; PID readings: 10.6eV=1.9 ppmV, 11.7eV=6.3 ppmV.						
		SP-SM	Yellowish brown (10YR 5/8) poorly graded SAND with silt. 85% fine grained sand, subangular to subrounded, 15% silt, medium dense, low- moderate plasticity, low K, moist, no odor. END OF BORING AT 31.5 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.