

EXPLORATION LOG SA64-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: 8-24-2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
LOGGED BY: SEARS/BRINKERHOFF

INITIAL DEPTH TO WATER: NOT ENCOUNTERED
FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A
DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
0		SP-SM	Silty SAND, yellowish brown (10YR 5/4), 45% silt, 55% sand (80% fine sand, 20% coarse sand), trace gravel, medium dense, dry, strong HCl reaction						
2.5		SP-SM	...gravel content increases						
5		SP-SM	...weak to moderate cementation						
7.5		SP-SM	Silty SAND with gravel, reddish brown (5YR 4/4), 35% silt, 50% sand (70% fine, 25% medium, 5% coarse), 15% sub-angular to sub-rounded gravel, medium dense, dry, strong HCl reaction						
10		SP	Collect SA64-10B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV SAND with gravel, yellowish brown (10YR 5/4), 85% sand (80% fine, 20% medium), 15% fine sub-angular to sub-rounded gravel, dense, moist, strong HCl reaction						
12.5									
15									
17.5		SP-SM	Silty SAND, reddish brown (5YR 4/4), 35% silt, 60% sand (85% fine, 15% medium), 5% gravel, dense, dry, weak to moderate cementation, strong HCl reaction						

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.

