

EXPLORATION LOG SA39-A3

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

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-9-2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
LOGGED BY: THOMPSON/GAREY

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		FILL	FILL: SAND with gravel						
2.5		FILL	FILL: SAND, SP, black (GLEY 1 2.5/N), 100% very fine to fine sand, loose to medium loose, dry, no plasticity,						
5		FILL	FILL: SAND, SW, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine to medium gravel, medium loose, dry, weakly cemented with calcite, no plasticity						
7.5		FILL	FILL: SAND with silt, SP, light reddish brown (5YR 6/4), 10% silt, 90% very fine to fine sand, medium loose dry, low plasticity, strong HCl reaction						
10	SW	SW	Collect SA39-10B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.3 ppmV SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine to medium sub-angular to rounded gravel, medium loose to dense, dry, no plasticity, frequent calichified zones, strong HCl reaction						
12.5									
15									

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	39 50/4	SW	Collect SA39-25B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.2 ppmV						
		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine to medium sub-angular to rounded volcanic gravel, dense to very dense, dry, no plasticity, strong HCl reaction						

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		SP	SAND, light reddish brown (5YR 6/4), 100% very fine to fine sand, dense, damp, weak cementation						
		SP	Collect SA39-41B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.3 ppmV ...trace silt, yellowish red (5YR 5/8)						
			END OF BORING AT 42.5 FEET						

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