

EXPLORATION LOG SA61-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 8-11-2009

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: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, trace fine sub-rounded volcanic gravel, loose, dry, no plasticity, zones of moderate to strong cementation (calcite cement), strong HCl reaction						
		SW	Collect SA61-10B, PID readings: 10.6 eV = 1.2 ppmV, 11.7 eV = 0.6 ppmV ...trace gravel up to 2" diameter ...13' to 17' below ground surface (BGS) no recovery						
		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, trace						

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			fine sub-rounded volcanic gravel, loose, dry, no plasticity, zones of moderate to strong cementation (calcite cement), strong HCl reaction						
20		SP	SAND, brown (7.5YR 4/4), 100% very fine to fine sub-angular to sub-rounded sand, dense, dry, no plasticity						
22.5		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, trace fine sub-rounded volcanic gravel, loose, dry, no plasticity, zones of moderate to strong cementation (calcite cement), strong HCl reaction, dark brown staining present (7.5YR 3/4)						
25									
27.5									
30			SW	...color to light brown (7.5YR 6/4), abundant gypsum crystals					
		SW	Collect SA61-30B, PID readings: 10.6 eV = 1.2 ppmV, 11.7 eV = 0.3 ppmV ...trace silt						
			END OF BORING AT 31.5 FEET						
32.5									
35									

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