

EXPLORATION LOG SA70-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 8/19/2009

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 with gravel, strong brown (7.5YR 4/6), 90% sub-angular to sub-rounded, fine to coarse sand, 10% sub-angular to sub-rounded, fine to medium volcanic gravel, dense, dry, no plasticity, moderate calcite cementation						
		SW	Collect SA70-10B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV						
		SP	SAND, dark brown (7.5YR 3/3), 5% silt, 95% very fine to fine sand, trace rounded fine gravel, dense, dry, strong HCl reaction, no cementation						

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20									
22.5		SP	...silt content decreases, approximately 100% fine to medium sand						
25		SW	Gravelly SAND, brown (7.5YR 4/3), 90% fine to coarse sand, 10% rounded, fine, volcanic gravel, no plasticity						
27.5		SP	SAND with silt, brown (7.5YR 5/4), 10% silt, 90% very fine to fine sand, dense, dry, low plasticity, strong HCl reaction						
30		SM	Silty SAND, yellowish brown (10YR 5/6), 15% silt, 85% very fine to fine sand, interbedded calcite approximately 1" thick, dense, damp, medium plasticity, strong HCl reaction						
30		SM	Collect SA70-30B, PID readings: 10.6 eV = 0.8 ppmV, 11.7 eV = 0.4 ppmV						
31.5	END OF BORING AT 31.5 FEET								
32.5									
35									

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