

EXPLORATION LOG RSAN6-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: 8/21/2009
 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
		SW	SAND with gravel, reddish brown (5YR 4/ 4), 95% sub-angular to sub-rounded, fine to coarse sand, 5% sub-angular to sub-rounded, fine to medium volcanic gravel, dense, dry, no plasticity, weakly cemented (calcite cement)						
		SW	Collect RSAN6-10B, RSAN6009-10B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV						
		SW	...gravel content increases to 11%						
		SM	Silty SAND, brown (7.5YR 5/3), 15% silt, 85% very fine to medium sand, very dense, dry, medium plasticity, non cemented						
		SW	SAND with gravel, reddish brown (5YR 4 4), 95% sub-angular to sub-rounded, fine to coarse sand, 5% sub-angular to sub-rounded, fine to medium volcanic gravel, dense, dry, no plasticity, weakly cemented (calcite cement)						
		SM	...6" layer of silty SAND previously described						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW	Collect RSAN6-20B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV SAND with gravel, reddish brown (5YR 4/4), 95% sub-angular to sub-rounded, fine to coarse sand, 5% sub-angular to sub-rounded, fine to medium volcanic gravel, dense, dry, no plasticity, weakly cemented (calcite cement)						
		SP	SAND, pinkish grey (7.5YR 7/2), trace silt, 95% very fine to fine sand, trace medium sand, very dense, damp, low plasticity, weak cementation (calcite), no odor						
		SP	Collect RSAN6-33B, PIS readings: 10.6 eV = 0.7 ppmV, 11.7 eV = 0.1 ppmV ...moderate to heavy calcification						
			END OF BORING AT 34.5 FEET						

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