

# EXPLORATION LOG RSAQ4-A4

**PROJECT:** TRONOX PHASE B

**PROJECT NO.:** 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 4

**EXPLORATION DATE:** 10-5-2009

**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
		FILL	Collect RSAQ4-0.5B, PID readings: 10.6 eV = 0.4 ppmV FILL: Gravelly SAND, SW, light grey (10R 7/2), 65% very fine to coarse sub- angular to sub-rounded sand, 35% fine to medium angular to sub-rounded sand, medium loose to medium dense, dry, no plasticity, strong HCl reaction						
		SW	Collect RSAQ4-10B, PID readings: 10.6 eV = 0.0 ppmV SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium sub-angular to sub-rounded gravel, medium loose to dense, damp, no plasticity, strong HCl reaction						
		SW	...17' to 18.5' below ground surface (BGS), weak calcite cementation						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SP	SAND, light reddish brown (5YR 6/4), trace silt, 98% very fine to fine sand, interbedded gypsum approximately 2" thick, dense, dry, low to medium plasticity, weak HCl reaction						
		SP	Collect RSAQ4-25B, PID readings: 10.6 eV = 0.0 ppmV						
		SP	SAND with silt, yellowish red (5YR 5/8), 5% silt, 95% very fine to fine sand, trace calcite concretions, damp, medium plasticity, weak HCl reaction						
		SP	Collect RSAQ4-32B, PID readings: 10.6 eV = 0.1 ppmV						
		END OF BORING AT 33.5 FEET							

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