

# EXPLORATION LOG SA43-A2

**PROJECT:** TRONOX PHASE B

**PROJECT NO.:** 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 2

**EXPLORATION DATE:** 9-14-2009

**EXPLORATION SIZE (dia.):** 6.25" 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), 90% fine to coarse sand, 10% fine to medium volcanic gravel, loose to medium dense, dry, no plasticity, strong HCl reaction						
		SW	Collect SA43-10B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 2.1 ppmV						
		SW	SAND, dark reddish brown (5YR 3/3), 85% fine to coarse sand, 15% fine to medium gravel, very dense, dry, no plasticity, variably cemented zones, strong HCl reaction						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
20									
22.5		SW	...heavily cemented zones of sand (calcite and gypsum cement)						
25		SW	Collect SA43-25B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 2.7 ppmV ...interbedded layers of heavily cemented sand (gypsum cement)						
27.5									
30									
32.5		SP	SAND with silt, brownish yellow (10YR 5/6), 5% silt, 95% very fine to fine sand, dry, low to moderate plasticity, weak HCl reaction						
35									

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