

# EXPLORATION LOG SA44-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

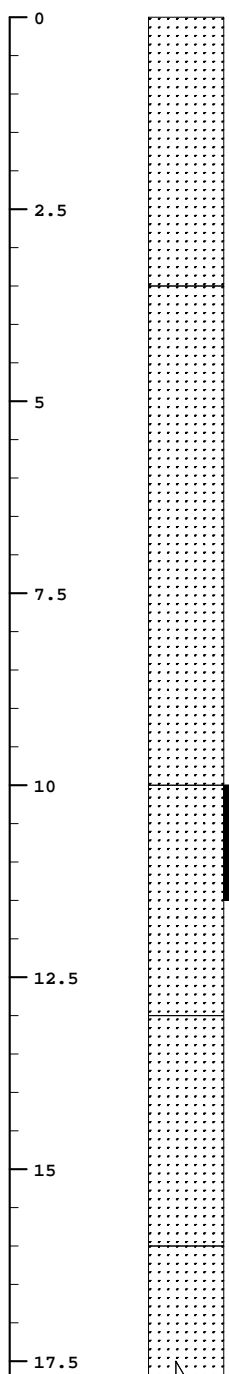
**LOGGED BY:** SEARS/GAREY

**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
0		SW	SAND with gravel, olive grey (5YR 4/2), 90% fine to coarse sand, 10% fine to coarse gravel, loose, dry, no plasticity, chemical staining, no odor						
2.5		SW	SAND with gravel, reddish brown (5YR 4/ 3), 90% fine to coarse sand, 10% fine to medium gravel, loose, dry, no plasticity, strong HCl reaction						
5		SW	Collect SA44-10B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 0.2 ppmV						
7.5		SW	...gravel content to 5%						
10		SW	Gravelly SAND, reddish brown (5YR 4/3), 85% fine to coarse sand, 15% fine to coarse sub-angular to sub-rounded gravel, trace caliche nodules						
12.5									
15									
17.5									

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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									
25		SW	Collect SA44-25B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV						
27.5									
30									
32.5		SP	Silty SAND, yellowish brown (10YR 5/6), 10% silt, 90% very fine to fine sand, dry, low plasticity, minor calichified zones, weak HCl reaction						
35									

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37.5									
40									
		SP	...soil is damp						
42.5		SW	Collect SA44-42B, PID readings: 10.6 eV = 1.2 ppmV, 11.7 eV = 2.8 ppmV SAND, reddish brown (5YR 4/3), 100% fine to coarse sand, loose to medium dense, damp, no plasticity						
			<b>END OF BORING AT 43.5 FEET</b>						
45									
47.5									
50									
52.5									

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