

# EXPLORATION LOG SA198-A2

**PROJECT:** TRONOX PHASE B

**PROJECT NO.:** 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 2

**EXPLORATION DATE:** 8-20-2009

**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, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium gravel, loose to dense, dry, weak to moderately cemented caliche zones, strong HCl reaction						
		SW	...gravel content to 10%						
	<div style="border: 1px solid black; padding: 2px; display: inline-block;">                     40 45 30                 </div>	SW	Collect SA198-10B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV						
		SW	...gravel content to 15%						

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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	...strong cementation (calcite cement)						
25		SM	Silty SAND, yellowish brown (10YR 5/6), 15% silt, 85% very fine to fine sand, loose, moist, low to medium plasticity, weak HCl reaction						
27.5	459	SM	Collect SA198-27B, PID readings: 10.6 eV = 2.1 ppmV, 11.7 eV = 0.3 ppmV						
			<b>END OF BORING AT 28.5 FEET</b>						
30									
32.5									
35									

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