

# EXPLORATION LOG SA113-A2

**PROJECT:** TRONOX PHASE B

**PROJECT NO.:** 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 2

**EXPLORATION DATE:** 8/25/2009

**EXPLORATION SIZE (dia.):** 6" 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
	<p>25 20 14</p> <p>18 25 28</p>	<p>SW</p> <p>SW</p> <p>SW</p>	<p>Collect SA113-0.5B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV SAND, strong brown (7.5YR 4/6), 90% fine to coarse, sub-angular to sub- rounded sand, 10% fine to medium, sub- angular to sub-rounded gravel, dense, dry, no plasticity, strong HCl reaction</p> <p>Collect SA113-10B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV</p> <p>...caliche nodules present, dense</p>						

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20									
22.5		SW	...caliche layers present approximately 5" thick						
25									
27.5									
30		SP	SAND, strong brown (7.5YR 5/8), less than 5% silt, 95% very fine to fine sand, loose, moist, medium plasticity, very weak HCl reaction						
30	8 11 14	SP	Collect SA113-30B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV						
32.5			<b>END OF BORING AT 31.5 FEET</b>						
35									

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