

# EXPLORATION LOG RSAJ3-A1

**PROJECT:** TRONOX PHASE B

**PROJECT NO.:** 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 1

**EXPLORATION DATE:** 7-31-2009

**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 4/3), 95% sub angular to sub-rounded fine to coarse sand, 5% volcanic fine gravel, medium dense, dry, reacts with HCl						
		SW	Collect RSAJ3-10B, PID readings: 10.6 eV = FAIL, 11.7 eV = 3.2 ppmV ...color to brown (7.5YR 5/4)						
		SW	...12'-14' heavy calcification present						
		SW	...15'-16' dark brown staining (7.5YR 3/3) present						
		SP-SM	Silty SAND, light brown (7.5YR 6/3), 25% silt, 75% very fine to fine sand, medium dense, dry,						

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			moderate plasticity,						
22.5		SP-SM	MUDDY CREEK FORMATION: Silty SAND, yellowish brown (10YR 5/8), 20% silt, 80% very fine to fine sub-angular to sub-rounded sand, moist to wet, moderate plasticity, very weak HCl reaction						
25									
27.5									
30		SP-SM	Collect RSAJ3-29B, PID readings: 10.6 eV = 5.1 ppmV, 11.7 eV = 4.5 ppmV						
32.5			<b>END OF BORING AT 30.5 FEET</b>						
35									

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