

# EXPLORATION LOG RSAQ3-A4

**PROJECT:** TRONOX PHASE B

**PROJECT NO.:** 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 4

**EXPLORATION DATE:** 9-30-2009

**EXPLORATION SIZE (dia.):** 3" CORE BARREL

**EQUIPMENT:** SDC550-24 SONIC CORE RIG

**ELEVATION:** EXISTING GROUND SURFACE

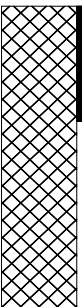
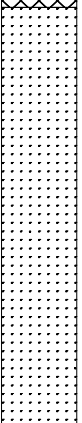
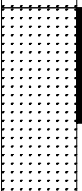
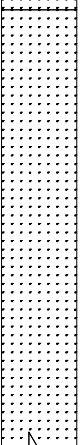
**LOGGED BY:** SEARS/GAREY

**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
2.5		FILL	Collect RSAQ3-0.5B, RSAQ3009-0.5B, PID readings: 10.6 eV = 1.1 ppmV, 11.7 eV = 0.2 ppmV FILL: SAND with gravel, reddish brown (2.5YR 5/4), 90% fine to coarse sand, 10% fine to medium gravel, trace fragments of caliche, concrete, and brick, medium loose, dry, no plasticity, strong HCl reaction, surface treated with dust suppressant						
5		SW	SAND with gravel, dark reddish brown (2.5YR 3/4), 90% fine to coarse sand, 10% fine to medium gravel, medium dense, dry, no plasticity, strong HCl reaction						
10		SW	Collect RSAQ3-10B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.4 ppmV						
12.5		SW	...weak to moderate caliche present, strong HCl reaction						

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**EQUIPMENT:** SDC550-24 SONIC CORE RIG  
**LOGGED BY:** SEARS/GAREY

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**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A  
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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
	39 39 50/4	SW	Collect RSAQ3-25B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.4 ppmV						
		SW	...small gypsum crystals present						
		SP	SAND, light reddish brown (5YR 6/3), trace silt, 100% very fine to fine sand, trace gypsum, low plasticity						
		SP	...silt to 5%						

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DATE MEASURED: N/A  
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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
37.5									
40		SP	SAND with silt, yellowish red (5YR 5/8), 5% silt, 95% very fine to fine sand, medium loose to very dense, damp, medium plasticity, zones of gypsum and calcite cementation, weak HCl reaction						
42.5		SP	Collect RSAQ3-41B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV						
45			<b>END OF BORING AT 42.5 FEET</b>						
47.5									
50									
52.5									

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