


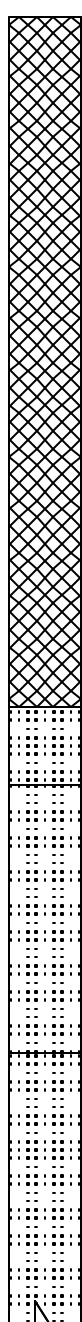
# EXPLORATION LOG RSAP6-A3

**PROJECT:** TRONOX PHASE B  
**EXPLORATION LOCATION:** TRONOX AREA 3  
**EXPLORATION SIZE (dia.):** 3" CORE BARREL  
**ELEVATION:** EXISTING GROUND SURFACE

**PROJECT NO.:** 20092518V1  
**EXPLORATION DATE:** 10-8-2009  
**EQUIPMENT:** SDC550-24 SONIC CORE RIG  
**LOGGED BY:** SEARS/GAREY

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED  
**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A  
**DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		<p>FILL</p> <p>SW</p> <p>SW</p> <p>SW</p>	<p>FILL: SAND, SP, black (10R 2/1), 100% fine to medium sand, loose to medium loose, dry, low plasticity, weak HCl reaction, dark tar like staining, weak chemical odor, PID readings: 10.6 eV = 0.0 ppmV</p> <p>SAND with gravel, reddish brown (5YR 4/ 4), 85%-90% fine to coarse sand, 10%-15% fine to medium sub-angular to sub-rounded volcanic gravel, dense, dry, no plasticity, strong HCl reaction, weak chemical odor Collect RSAP6-10B, PID readings: 10.6 eV = 0.1 ppmV</p> <p>SAND with gravel, reddish brown (5YR 4/ 4), 90% fine to coarse sand, 10% fine to medium sub-angular to sub-rounded volcanic gravel, medium dense, dry, no plasticity</p>						

34  
31  
21

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17.5									
20		SW	...calcite cementation						
22.5		SW	...gravel content to 5%						
25		SW	Collect RSAP6-25B, PID readings: 10.6 eV = 0.1 ppmV						
27.5									
30		SW	SAND, reddish brown (5YR 3/4), 95% fine to coarse sand, 5% fine to coarse volcanic gravel, trace gypsum crystals, dense, dry, no plasticity, moderate HCl reaction						
32.5									

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		SW	...hard calichified zone, gypsum and calcite cement						
		SW	Collect RSAP6-44B, PID readings: 10.6 eV = 0.1 ppmV SAND, reddish brown (5YR 5/4), 100% fine to coarse sub-angular to rounded sand, loose to dense, damp, no plasticity, zones of calcite and gypsum cementation, weak HCl reaction <b>END OF BORING AT 45.5 FEET</b>						

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