

EXPLORATION LOG RSAO7-A3

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 3
EXPLORATION SIZE (dia.): 6.25" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-12-2009
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
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>0</p> <p>2.5</p> <p>5</p> <p>7.5</p> <p>10</p> <p>12.5</p> <p>15</p> </div> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; position: relative;"> <div style="position: absolute; top: 0; left: 0; right: 0; height: 100%; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div> <div style="position: absolute; bottom: 0; left: 0; right: 0; height: 100%; background: radial-gradient(circle, black 1px, transparent 1px); background-size: 4px 4px;"></div> </div> </div>		FILL	FILL: Manganese tailings, SAND with gravel, SW, dark reddish grey (2.5YR 4/1), 90% fine to coarse sand, 10% fine to medium angular to sub-rounded gravel, loose to medium loose, dry, low plasticity, moderate HCl reaction						
		SW	Collect RSAO7-9B, PID readings: 10.6 eV = 3.3 ppmV, 11.7 eV = 0.0 ppmV SAND, reddish brown (5YR 5/4), 95% fine to coarse sand, 5% fine to medium gravel, medium loose, dry, no plasticity						
		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium volcanic gravel, dense, dry, no plasticity, strong HCl reaction						

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17.5									
20	32 35 43	SW	Collect RSAO7-19B, PID readings: 10.6 eV = 1.4 ppmV, 11.7 eV = 0.0 ppmV						
22.5		SW	...gravel content to 5%-10%						
25		SW	...26'-29' below ground surface (BGS) coarse volcanic gravel						
27.5		SW	Collect RSAO7-29B, PID readings: 10.6 eV = 1.2 ppmV, 11.7 eV = 0.0 ppmV						
30	24 50/5	SW	...color to dark reddish brown (5YR 3/4)						
32.5									

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		SW	...dark medium to coarse rounded sand cemented with gypsum						
		SP	SAND, strong brown (7.5YR 5/8), trace silt, 97% very fine to fine sand, medium loose, damp, low to medium plasticity, weak HCl reaction						
		SP	SAND, strong brown (7.5YR 5/8), trace silt, 97% very fine to fine sub-angular to sub-rounded sand, trace calcite concretions, trace gypsum crystals, loose to very dense, damp, medium plasticity, no HCl reaction						
		SP	Collect RSAO7-47B, PID readings: 10.6 eV = 1.4 ppmV, 11.7 eV = 0.0 ppmV						
			END OF BORING AT 48.5 FEET						

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