

# EXPLORATION LOG SA52-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:** 10-21-2009  
**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: 10px 10px;"></div> </div> <div style="flex: 0.5; text-align: center; font-size: small;"> <p>10</p> <p>9</p> <p>12</p> </div> </div>		FILL	FILL: Manganese tailings, very dark grey (5Y 3/1), 100% fine manganese sand, medium loose, dry to damp, faint chemical odor						
		FILL	...dark olive grey (5Y 3/2)						
		FILL	...dark reddish grey (5YR 4/2)						
		FILL	...wood and concrete debris						
		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine to medium sub-angular to rounded gravel, loose, damp, no plasticity, trace weak to moderate calcite cementation, strong HCl reaction						
		SW	Collect SA52-15B, PID readings: 10.6 eV =						

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			0.0 ppmV, 11.7 eV = 0.0 ppmV						
		SW	...dark reddish brown (5YR 3/4), black and red volcanic gravel to 10%						
		SW	Collect SA52-28B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV ...gravel to 5%						

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		SW	...trace gravel, medium loose, damp, no plasticity, strong HCl reaction						
		SP	SAND, reddish brown (5YR 4/4), 100% fine sand, trace medium and coarse sand, loose, damp, no plasticity,						
		SP	Collect SA52-43B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.3 ppmV ...well cemented, trace gypsum crystals						
			<b>END OF BORING AT 44.5 FEET</b>						

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