

EXPLORATION LOG SA33-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: 10-20-2009
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: 20px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div> <div style="position: absolute; top: 20px; left: 0; right: 0; height: 100px; background: radial-gradient(circle, black 1px, transparent 1px); background-size: 4px 4px;"></div> <div style="position: absolute; bottom: 0; left: 0; right: 0; height: 20px; background-color: black;"></div> </div> <div style="flex: 1; font-size: small; margin-left: 5px;"> <p>19</p> <p>35</p> <p>50</p> </div> </div>		FILL	FILL: SAND with gravel, SW, dark reddish brown (5YR 3/4), 85% fine to coarse sand, 15% fine rounded gravel, medium dense, dry, no plasticity, strong HCl reaction						
		SW	SAND with gravel, reddish brown (5YR 4/ 4), 90% fine to coarse sand, 10% fine to medium sub-angular to rounded gravel, trace volcanic cobbles, dense, dry, no plasticity, strong HCl reaction						
		SW	Collect SA33-10B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV						

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		SP	Collect SA33-20B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV						
		SP	...very dense white sand cemented with gypsum, no HCl reaction						
			SAND, light brown (7.5YR 6/4) 100% very fine to fine sand, dense, damp, no plasticity, gypsum and calcite cementation						
		SP	...trace silt, reddish yellow (7.5YR 6/6), low plasticity, weak HCl reaction						
		SP	...no silt						
		SP	Collect SA33-33B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV						

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			...trace silt, low plasticity END OF BORING AT 34.5 FEET						

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