

EXPLORATION LOG SA171-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: 10-19-2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
LOGGED BY: SEARS/FERRINGER

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
0		FILL	FILL: Manganese tailings						
2.5		SW	Collect SA171-5B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 1.1 ppmV SAND, reddish brown (5YR 4/3), 70%-75% fine to medium sand, 25%-30% coarse sand, medium dense, dry, no plasticity, strong HCl reaction						
7.5		SW	...trace fine sub-angular volcanic gravel						
15		SW	Collect SA171-15B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.4 ppmV SAND, reddish brown (5YR 4/4), 70% fine to medium sub-angular to sub-rounded sand, 30% coarse sand, trace fine gravel, trace						

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<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>17.5</p> <p>20</p> <p>22.5</p> <p>25</p> <p>27.5</p> <p>30</p> <p>32.5</p> </div> <div style="flex: 2; 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; top: 0; left: 0; right: 0; height: 100%; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px);"></div> </div> </div>			cobbles up to 4" diameter, loose to medium dense, dry, no plasticity, moderate to strong HCl reaction						
		SW	...6" thick calichified zone, caliche nodules up to 1" diameter						
		SW	...80%-90% fine to medium sand, 10%-20% coarse sand						
	<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 20px; background-color: black; margin-right: 5px;"></div> <div style="font-size: 8px;">18 20 30</div> </div>	SW	Collect SA171-30B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.5 ppmV ...trace coarse gravel up 3" diameter, trace cobbles up to 4" diameter						
		SW	...6" thick calichified zone						

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		SP	Collect SA171-41B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.6 ppmV SAND, brown (7.5YR 4/3), 10% fine sand, 40% medium sand, 50% coarse sub-angular sand, trace fine gravel, caliche zones with nodules up to 3" diameter, medium dense, damp to moist, no plasticity, zones of moderate gypsum cementation, no HCl reaction <p style="text-align: center;">END OF BORING AT 42.5 FEET</p>						

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