

EXPLORATION LOG SA203-A4

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 4

EXPLORATION DATE: 9-22-2009

EXPLORATION SIZE (dia.): 6.25" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: SEARS/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
0		CH	ASPHALT						
10 7 6		SW	Collect SA203-0.5B, PID readings: 10.6 eV = 4.4 ppmV, 11.7 eV = 0.1 ppmV SAND with gravel, reddish brown (5YR 5/ 4), 90% fine to coarse sub-angular to sub-rounded sand, 10% fine to medium sub-angular to sub-rounded gravel, loose, dry, no plasticity, moderate HCl reaction						
2.5									
5									
7.5									
10		SW	...gravel content to 15%						
6 7 10		SW	Collect SA203-10B, PID readings: 10.6 eV = 2.7 ppmV, 11.7 eV = 0.3 ppmV ...gravel up to 4" diameter						
12.5		SW	...concrete debris up to 10" diameter						
15		SW	...concrete debris up to 10" diameter						
17.5		SW	...wood debris, likely old utility pole						

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		SW	SAND, reddish brown (5YR 4/4), 90% fine to coarse sub-angular to sub-rounded sand, 10% fine to coarse gravel, loose, dry, no plasticity, variable weakly calichified zones, strong HCl reaction						
		SW	...coarse sand content increases and is more rounded						
	4 5 1	SP	Collect SA203-30B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.5 ppmV SAND, reddish yellow (7.5YR 6/8), 100% fine sand, loose, damp, no plasticity, weak HCl reaction						

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37.5									
40		SP	...trace silt, low plasticity						
42.5		SP	...silt content to 5%						
45									
47.5	9 12 14	SP	Collect SA203-46B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.9 ppmV SAND, reddish yellow (7.5YR 6/8), trace silt, 100% very fine to fine sand, trace caliche nodules less than 1" diameter, loose, damp, no to low plasticity, no HCl reaction <p style="text-align: center;">END OF BORING AT 47.5 FEET</p>						
50									
52.5									

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