

EXPLORATION LOG RSAP8-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: 10-23-2009
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
0	[Cross-hatched symbol]		FILL: coarse angular gravel for railroad grading						
5	[Dotted symbol]		Collect RSAP8-0.5B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV						
17	[Dotted symbol]		Gravelly SAND, dark grey (7.5YR 4/1), 80% sand, 20% fine to medium gravel						
20	[Dotted symbol]		SAND, reddish brown (5YR 4/4), 85% fine to coarse sand, 15% fine to medium sub-angular to rounded volcanic gravel, medium loose, dry, no plasticity, strong HCl reaction						
2.5									
5									
7.5									
10	[Dotted symbol]		...gravel content to 10%						
14	[Dotted symbol]		Collect RSAP8-10B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV						
19	[Dotted symbol]								
22	[Dotted symbol]								
12.5			...mostly fine sand, 5% gravel, strong HCl reaction						
15									

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		SW	...trace gravel						
		SW	Collect RSAP8-25B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.1 ppmV						
		SP	SAND, reddish brown (5YR 4/4), 100% very fine to fine sand, medium loose, damp						

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		SP	...yellowish red (5YR 6/8), trace silt						
		SP	...5% silt, scattered calcite nodules						
		SP	Collect RSAP8-40B						
		SP	...heavily cemented						
			END OF BORING AT 41.5 FEET						

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