

EXPLORATION LOG RSAS8-A3

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 3
EXPLORATION SIZE (dia.): 3" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-28-2009
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			PAVE ASPHALT approximately 4" thick						
2.5	29 50 40	SW	Collect RSAS8-0.5B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.2 ppmV SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium gravel, trace caliche fragments, dense, damp, no plasticity, strong HCl reaction ...dry						
5									
7.5									
10	25 21 25	SW	Collect RSAS8-10B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.1 ppmV ...gravel to 10%						
12.5		SW	...gravel is rounded						
15									
		SP	SAND, light brown (7.5YR 6/4), 100% very fine						

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17.5			to fine sand, dry, heavily cemented						
		SP	...moderate gypsum cementation						
20		SP	...light reddish brown (5YR 6/4)						
22.5		SP	SAND, strong brown (7.5YR 5/8), 100% very fine to fine sand, weak gypsum cementation, no HCl reaction						
25		SP	Collect RSAS8-25B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.2 ppmV						
27.5		SP	SAND, yellowish red (5YR 5/8), trace silt, 97% very fine to fine sand, medium dense, damp, medium plasticity, minor gypsum cementation						
30		SP	...reddish yellow (5YR 6/8), 5% silt						
32.5									

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		SP	Collect RSAS8-35B, RSAS8-35BMS, RSAS8-35BMSD, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.1 ppmV SAND with silt, reddish yellow (5YR 6/8), 5% silt, 95% very fine to fine sand, loose, damp, medium plasticity END OF BORING AT 36.5 FEET						

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