

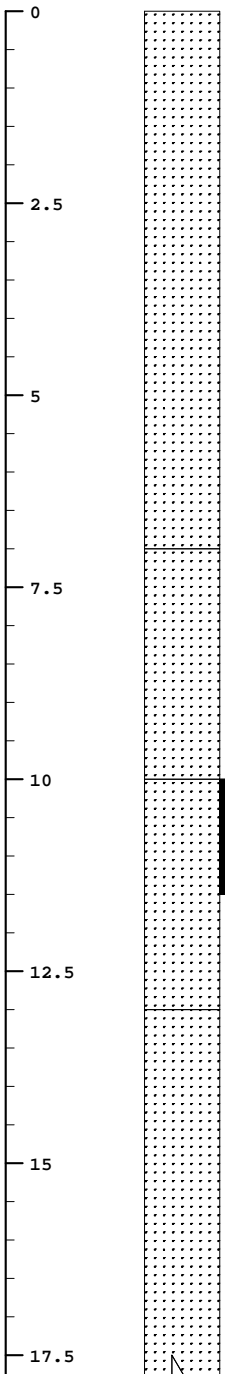
# EXPLORATION LOG SA172-A2

PROJECT: TRONOX PHASE B  
 EXPLORATION LOCATION: TRONOX AREA 2  
 EXPLORATION SIZE (dia.): 3" CORE BARREL  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1  
 EXPLORATION DATE: 9-15-2009  
 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		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to coarse gravel, medium loose, dry, no plasticity						
2.5									
5									
7.5		SW	...gravel content to 10%						
10		SW	Collect SA172-10B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 5.2 ppmV						
12.5									
15		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine gravel, very dense, dry, no plasticity, variable calichified and cemented zones, strong HCl reaction						
17.5									

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
20		SW	...very hard caliche layer from 19' to 20.5' below ground surface (BGS)						
22.5		SW	...gravel content to 10%, up to 3" diameter						
25		SW	Collect SA172-25B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 6.4 ppmV						
27.5									
30		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium gravel, small gypsum crystals present in cemented zones, very dense, damp, no plasticity						
32.5									
35									

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**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
37.5		SW	...gravel content to trace amounts						
40		SP	Collect SA172-40B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 3.6 ppmV SAND with silt, yellowish brown (10YR 5/4), 5% silt, 95% very fine to coarse sub-angular to sub-rounded sand, trace caliche nodules, medium dense, damp, low plasticity, variable cemented zones, moderate HCl reaction <b>END OF BORING AT 41.5 FEET</b>						
42.5									
45									
47.5									
50									
52.5									

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