

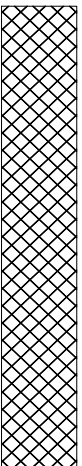
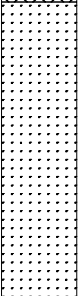
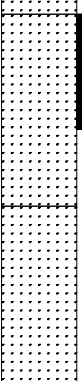
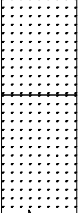
EXPLORATION LOG SA86-A2

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

PROJECT NO.: 20092518V1
EXPLORATION DATE: 8-12-2009
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 2.5 5		FILL	FILL: SAND, SW, yellowish red (5YR 5/8), 95% fine to coarse sub-angular to sub-rounded sand, 5% volcanic gravel and cobbles up to 5" diameter, loose to medium dense, dry, no plasticity, zones of moderate caliche, strong HCl reaction						
7.5 10	 24 49 50/4	SW	SAND, yellowish red (5YR 5/8), 95% fine to coarse sub-angular to rounded sand, 5% fine sub-rounded gravel, medium dense to very dense, dry, heavily calichified zones						
12.5 15		SW	SAND, yellowish red (5YR 5/8), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium sub-rounded gravel, dense, dry, no plasticity, zones of heavy calcite cementation, strong HCl reaction, trace organics (plant roots)						
17.5		SW	...black staining						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

EXPLORATION LOG SA86-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: 8-12-2009
 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
20									
22.5		SW	...frequent calichified zones						
25									
27.5		SP	SAND, light brown (7.5YR 6/4), 100% very fine to fine sand, very dense, dry, no plasticity, variable heavy calcite cementation, strong HCl reaction Collect SA86-28B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 9.6 ppmV (possible 11.7 eV PID error)						
29.5	SP								
30			END OF BORING AT 29.5 FEET						
32.5									
35									

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.