

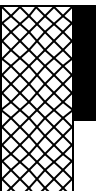
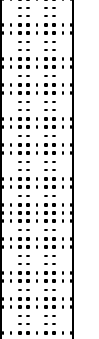
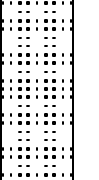
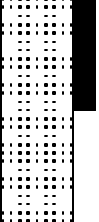
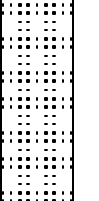
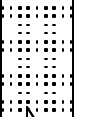
EXPLORATION LOG SA192-A4

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 4
EXPLORATION SIZE (dia.): 3" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-7-2009
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
2.5		FILL	Collect SA192-0.5B, PID readings: 10.6 eV = 0.3 ppmV FILL: SAND with gravel, SW, brown (10YR 4/3), 90% fine to coarse sand, 10% fine to coarse gravel, loose to medium dense, dry						
5		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium sub-angular to sub-rounded volcanic gravel, medium loose to dense, no plasticity						
7.5		SW	...moderate calcite cementation						
10		SW	Collect SA192-10B, SA192-10BMS, SA192-10BMSD, PID readings: 10.6 eV = 0.2 ppmV						
12.5		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine to medium gravel, dense, dry, no plasticity, calichified zones, strong HCl reaction						
15		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine to medium gravel, dense, dry, no plasticity, calichified zones, strong HCl reaction						
17.5		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine to medium gravel, dense, dry, no plasticity, calichified zones, strong HCl reaction						

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 SA192-A4

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 4
EXPLORATION SIZE (dia.): 3" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-7-2009
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
		SW	...approximately 10" thick layer of white sand with heavy gypsum cementation						
	16 16 15	SP	Collect SA192-25B, PID readings: 10.6 eV = 0.2 ppmV SAND, dark brown (10YR 3/3), very fine to fine sand, dense, damp, no plasticity, weak HCl reaction						
		SP	...6" thick layer of coarse sand with gravel						
		SP	SAND, yellowish brown (10YR 5/8), trace silt, 98% very fine to fine sand, trace calcite concretions, dense, damp, weak HCl reaction						

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 SA192-A4

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 4
EXPLORATION SIZE (dia.): 3" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-7-2009
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
		SP	...silt to 5%, medium plasticity						
		SP	Collect SA192-39B, PID readings: 10.6 eV = 0.0 ppmV SAND, yellowish brown (10YR 5/8), 5% silt, 95% very fine to fine sand, scattered caliche nodules, medium dense, low to medium plasticity, weak HCl reaction END OF BORING AT 40.5 FEET						

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.