

EXPLORATION LOG SA50-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9/8/2009

EXPLORATION SIZE (dia.): 6" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: SEARS/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

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
		SW	SAND, reddish brown (5YR 5/4), 95% fine to coarse, sub-angular to sub-rounded sand, 5% fine to coarse, sub-angular to sub-rounded gravel, loose to dense, dry, no plasticity, strong HCl reaction, minor cementation (calcite cement), no odor						
		SW	...gravel content increases to 10%, moderate calcite cementation						
	<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: black; margin-right: 5px;"></div> <div style="font-size: 8px; text-align: left;"> 12 19 50/5 </div> </div>	SW	Collect SA50-12B, SA50009-12B, PID readings: 10.6 eV = 0.8 ppmV, 11.7 eV = 6.4 ppmV						

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 SA50-A2

PROJECT: TRONOX PHASE B
 EXPLORATION LOCATION: TRONOX AREA 2
 EXPLORATION SIZE (dia.): 6" CORE BARREL
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
 EXPLORATION DATE: 9/8/2009
 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	SAND, reddish brown (5YR 5/4), 100% fine to medium sand, dense, dry, weak to moderate cementation, moderately calichified						
		SW	Collect SA50-25B, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 6.2 ppmV						
		SW	...dense, moderately cemented (calcite cement), trace gypsum crystals present						
		SW	...4" thick layer of massive gypsum, sand is heavily cemented with gypsum						

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 SA50-A2

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 2
EXPLORATION SIZE (dia.): 6" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 9/8/2009
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-SM	Collect SA50-36B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 7.5 ppmV SAND with silt, reddish yellow (7.5YR 6/8), trace silt, 100% very fine to fine sand, dense, dry, low plasticity, partially calichified, weak HCL reaction END OF BORING AT 37.5 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.