

# EXPLORATION LOG SA41-A2

**PROJECT:** TRONOX PHASE B

**PROJECT NO.:** 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 2

**EXPLORATION DATE:** 9-11-2009

**EXPLORATION SIZE (dia.):** 3" CORE BARREL

**EQUIPMENT:** SDC550-24 SONIC CORE RIG

**ELEVATION:** EXISTING GROUND SURFACE

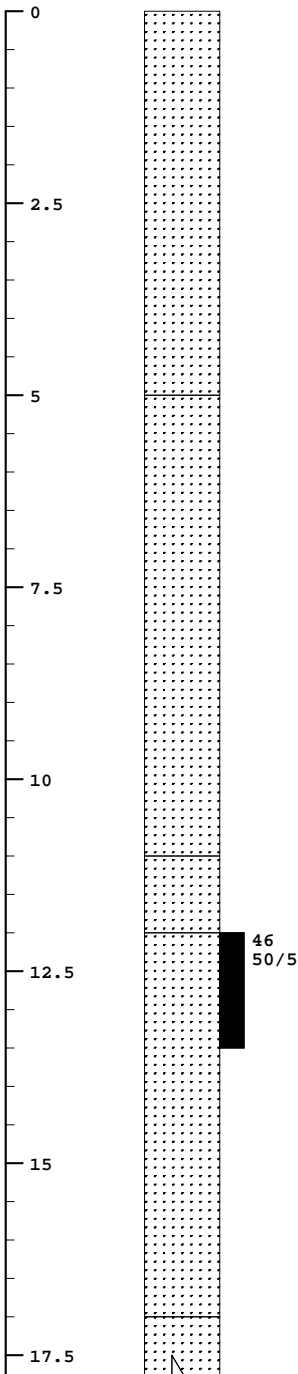
**LOGGED BY:** THOMPSON/GAREY

**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
0		SW	SAND, dark brown (10YR 3/2), 100% fine to coarse sand, trace fine gravel, dense, dry, weak HCl reaction, chemical staining present						
2.5		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine volcanic gravel, dense, dry, no plasticity, small cemented zones (calcite cement), strong HCl reaction						
5		SW	...gravel content to 10%						
7.5		SW	Collect SA41-12B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV SAND, reddish brown (5YR 4/4), 90% fine to coarse sand, 10% fine to coarse sub- angular to sub-rounded volcanic gravel, very dense, dry, no plasticity, strongly cemented zones						
10		SW	...black volcanic cobbles present						
12.5									
15									
17.5									

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 SA41-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: 9-11-2009  
 EQUIPMENT: SDC550-24 SONIC CORE RIG  
 LOGGED BY: THOMPSON/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		SW	Gravelly SAND, reddish brown (5YR 4/4), 85% fine to coarse sand, 15% fine to coarse gravel, dense, dry						
22.5		SW	...gravel content to 5%						
25		SW	...24.5' to 25.5' below ground surface (BGS)						
27.5		SP	gypsum rich zone Collect SA41-25B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV SAND, pale brown (10YR 7/3), 100% very fine to fine sand, very dense, dry, no plasticity, variable cementation (calcite cement), strong HCl reaction						
30									
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.

# EXPLORATION LOG SA41-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:** 9-11-2009  
**EQUIPMENT:** SDC550-24 SONIC CORE RIG  
**LOGGED BY:** THOMPSON/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	Collect SA41-38B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV SAND, reddish brown (5YR 4/4), 5% silt, 95% very fine to fine sand, loose, damp, low to moderate plasticity, no HCl reaction <b>END OF BORING AT 39.5 FEET</b>						

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.