

EXPLORATION LOG SA42-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9-14-2009

EXPLORATION SIZE (dia.): 3" 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, brown (7.5YR 4/3), 90% fine to coarse sand, 10% fine to medium sub-angular to sub-rounded volcanic gravel, dense, dry, no plasticity, trace cemented zones, strong HCl reaction						
		SW	...gravel content to 5%, color to reddish brown 5YR 4/4						
		SW	Collect SA42-10B, SA42009-10B, PID readings: 10.6 eV = 1.1 ppmV, 11.7 eV = 2.1 ppmV						
		SW	...17' to 18' below ground surface (BGS) calichified zone						

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 SA42-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9-14-2009

EXPLORATION SIZE (dia.): 3" 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	...20.5' to 21.5' BGS calichified zone with large gypsum crystals						
		SW	SAND, reddish brown (5YR 4/3), 100% fine to coarse sub-angular to rounded sand, dense, dry, no plasticity						
		SW	Collect SA42-25B, PID readings: 10.6 eV = 1.6 ppmV, 11.7 eV = 6.3 ppmV						
		SW	SAND, dark olive grey (5YR 3/2) 95% fine to coarse sand, 5% fine to medium sub-angular to sub-rounded gravel, dense, damp, no plasticity, moderately calichified, strong HCl reaction, strong diesel odor, PID readings: 10.6 eV = 39 ppmV, 11.7 eV = 35 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 SA42-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9-14-2009

EXPLORATION SIZE (dia.): 3" 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
	<p>26 12 17</p>	<p>SP</p> <p>SP</p>	<p>Collect SA42-38B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 4.8 ppmV</p> <p>SAND, dark olive grey (5YR 3/2), 5% silt, 95% very fine to fine sand, damp, low to moderate plasticity, diesel odor</p> <p>...color to reddish brown (5YR 4/3), minimal diesel odor</p> <p style="text-align: center;">END OF BORING AT 39.5 FEET</p>						

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.