

EXPLORATION LOG SA51-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: 9-17-2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
LOGGED BY: SEARS/FERRINGER

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), 75% fine to medium sand, 25% coarse sand, trace fine to medium sub-angular gravel, dense, dry no plasticity, strong HCl reaction						
		SW	...volcanic cobbles present						
		SW	Collect SA51-10B, SA51009-10B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV ...medium dense						
		SW	...angular volcanic cobbles present at least 4" diameter						

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 SA51-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9-17-2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: SEARS/FERRINGER

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	<p>...caliche nodules up to 2.5" diameter</p> <p>Collect SA51-25B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV SAND, brown (7.5YR 4/4), 65% fine to medium sand, 35% coarse sand, loose, damp, no plasticity, weak HCl reaction</p>						
		SW	<p>...coarse sand content to 25%, brown (5YR 5/4), weak cementation, caliche nodules approximately 1" diameter, strong HCl reaction</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.

EXPLORATION LOG SA51-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: 9-17-2009
 EQUIPMENT: SDC550-24 SONIC CORE RIG
 LOGGED BY: SEARS/FERRINGER

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	Collect SA51-36B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV SAND, dark reddish brown (5YR 3/2), 60% fine to medium sand, 40% coarse sand, trace volcanic gravel fragments, caliche nodules approximately 1" diameter, very dense, moist, no plasticity, moderate 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.