

EXPLORATION LOG SA149-A3

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 3
EXPLORATION SIZE (dia.): 6.25" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-21-2009
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
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>0</p><p>2.5</p><p>5</p><p>7.5</p><p>10</p><p>12.5</p><p>15</p> </div> </div>		FILL	FILL: Manganese tailings, very dark grey (5Y 3/1), 100% very fine manganese sand, loose to medium loose, dry, faint chemical odor						
		FILL	...damp						
		FILL	...wood and brick debris						

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.

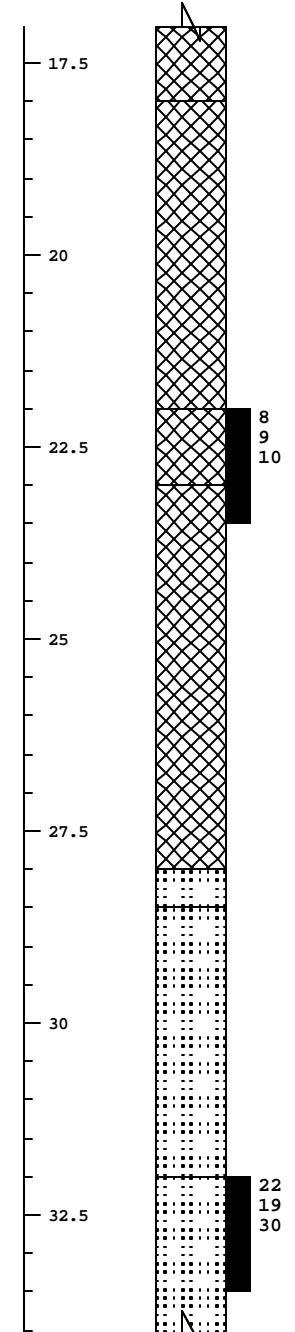
EXPLORATION LOG SA149-A3

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 3
EXPLORATION SIZE (dia.): 6.25" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-21-2009
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
17.5		FILL	...reddish brown (5YR 4/3)						
		FILL	...dark grey (5Y 3/1)						
22.5		FILL	Collect SA149-22B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV (sample taken in blended transition zone)						
		FILL	...reddish brown (5YR 4/3)						
25									
27.5									
		SW	...true native soil						
30		SW	SAND with gravel, reddish brown (5YR 4/ 4), 90% fine to coarse sand, 10% fine to coarse sub-angular to sub-rounded volcanic gravel, dense, damp, no plasticity, strong HCl reaction						
32.5		SW	Collect SA149-32B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 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 SA149-A3

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 3
EXPLORATION SIZE (dia.): 6.25" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-21-2009
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	SAND, reddish brown (5YR 4/4), 100% fine sand, medium loose, damp, no plasticity, weak HCl reaction						
		SP	...trace silt, low plasticity						
		SP	Collect SA149-45B, SA149009-45B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV						
		SP	...moist						
			END OF BORING AT 46.5 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.