EXPLORATION LOG RSAQ7-A3

PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 3 **EXPLORATION DATE:** 10-27-2009

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/ SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	₫	1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
□ 0	DAVE	ACDIALT engravimetals 4" thick						
21 20 19	FILL	ASPHALT approximately 4" thick Collect RSAQ7-0.5B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV 0.0 ppmV FILL: SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine to medium gravel, trace caliche fragments, medium loose, dry, no plasticity, strong HCI reaction						
-10 13 9 10 -12.5 -15	FILL	Collect RSAQ7-10B, PID readings: 10.6 eV = 0.1 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.

GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.

EXPLORATION LOG RSAQ7-A3

PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 3 **EXPLORATION DATE:** 10-27-2009

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

			DATE MEAGURED.	1 4/ /					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	ឨ	1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- 17.5 -									
- 20 -									
- - - 22.5 -		PAVE	CONCRETE and rebar from abandoned tunne	I					
- - 25 -									
- - 27.5 -									
- - - 30 -									
- - - 32.5 - -		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine volcanic gravel, medium dense, damp, no plasticity, strong HCI reaction						

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.

GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.

EXPLORATION LOG RSAQ7-A3

PROJECT: TRONOX PHASE B **PROJECT NO.:** 20092518V1 **EXPLORATION LOCATION:** TRONOX AREA 3 **EXPLORATION DATE**: 10-27-2009 **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 WELL CONSTRUCTION MOISTURE CONTENT (%) DRY DENSITY (pcf) Pocket Penetrometer (tsf) ELEVATION/ SOIL & SAMPLE USCS **DESCRIPTION DEPTH SYMBOLS** SW ...6" thick layer of heavily cemented sand (gypsum cement) SAND, light reddish brown (5YR 6/4), 100% SP very fine to fine sand, heavy calcium 37.5 carbonate cementation 25 38 50 SP Collect RSAQ7-38B, RSAQ7-38BMS, RSAQ7-38BMSD **END OF BORING AT 39.5 FEET** 40 42.5 47.5 50

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.

GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.