

EXPLORATION LOG SA62-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: 8-7-2009
 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
0		SW	SAND, brown (5YR 5/3), 90% fine to medium sub-angular to sub-rounded sand, 10% fine to medium angular to sub-rounded gravel, caliche fragments present, loose to medium dense, dry, no plasticity, strong HCl reaction						
2.5									
5									
7.5									
10		SW	Collect SA62-10B, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 3.3 ppmV						
12.5									
15		SW	SAND, brown (7.5YR 5/4), 95% fine to coarse sand, 5% fine sub-angular to sub-rounded volcanic gravel, calichified zones, dense, dry, strong HCl reaction						
17.5		SP	SAND, brown (10YR 4/5), 100% very fine to fine sand, very dense, dry, strong HCl reaction						
		SW	SAND, brown (7.5YR 5/4), 95% fine to coarse sand, 5% fine sub-angular to sub-rounded						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
			volcanic gravel, calichified zones, dense, dry, strong HCl reaction						
	SP		SAND, brown (10YR 4/3), 100% very fine to fine sand, dense, dry, no plasticity, minor cemented zones, strong HCl reaction						
	SW		SAND, brown (7.5YR 5/4), 95% fine to coarse sand, 5% fine sub-angular to sub- rounded volcanic gravel, calichified zones, dense, dry, strong HCl reaction						
	SW		...gypsum crystals present, crystals coating gravel and sand in layers						
	SP		SAND, brown (10YR 4/3), 100% very fine to fine sand, dense, dry, no plasticity, minor cemented zones, strong HCl reaction						
	SP		Collect SA62-24B, PID readings: 10.6 eV = 2.5 ppmV, 11.7 eV = 4.6 ppmV END OF BORING AT 25.5 FEET						

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