

Swanton Black

	Units in percent	Units in ppm	Element	B	Percent	Pounds per Ton
Silicon Dioxide	38.6		Silcon		32.81	656.2
Aluminum Oxide	11.56		Aluminum		6.12	122.3
Iron Oxide	3.75		Iron		2.64	52.8
Manganese Oxide	0.05		Manganese		0.02	0.4
Magnesium Oxide	2.22		Magnesium		1.33	26.6
Calcium Oxide	20.67		Calcium		14.76	295.2
Sodium Oxide	0.64		Sodium		0.47	9.4
Potassium Oxide	2.57		Potassium		2.13	42.6
Titanium Dioxide	0.514		Titanium		0.31	6.2
Phosphorous Pentoxide	0.14		Phosphorous		0.06	1.2
Sulfur	0.83		Sulfur			16.6
	Unit PPB	PPM				Pounds per Ton or Undetectable
Antimony		2				0.004
Arsenic		7				0.014
Barium		386				0.772
Beryllium		2				0.004
Bismuth		2				0.004
Boron		106				0.212
Bromine		1				0.002
Cadmium		0.5				0.001
Cerium		63				0.126
Cesium		5.6				0.0112
Chromium		83				0.166
Cobalt		14				0.028
Copper		21				0.042
Europium		1.4				0.0028
Gold	<5					0
Hafnium		2				0.004
Iridium	<5					0

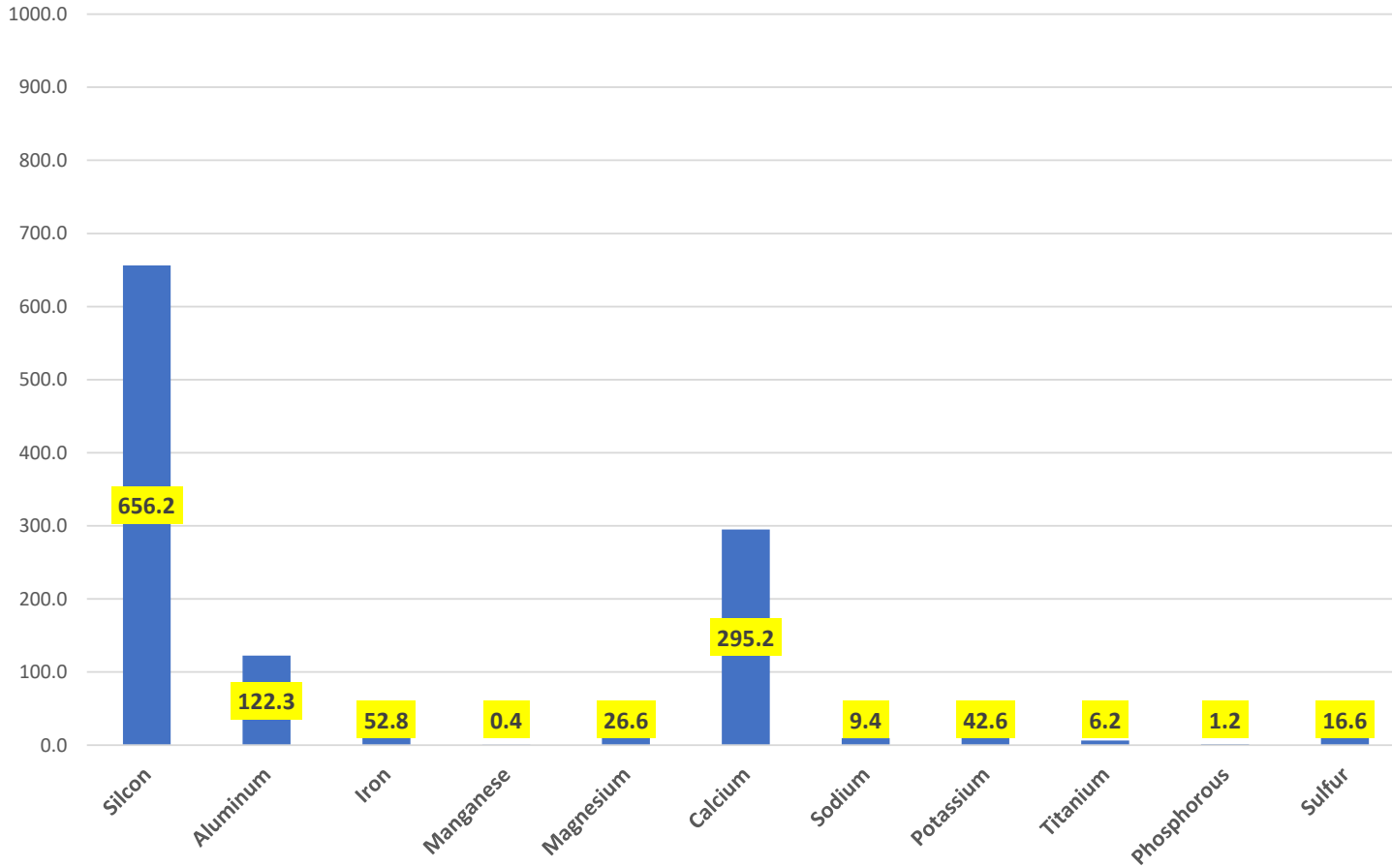
425.0

Lanthanum		33				0.066
Lead		10				0.02
Lutetium		0.05				0.0001
Mercury		1				0.002
Molybdenum		2				0.004
Neodymium		31				0.062
Nickel		31				0.062
Rubidium		100				0.2
Samarium		3.6				0.0072
Scandium		10				0.02
Selenium		3				0.006
Silver		0.5				0.001
Strontium		1114				2.228
Tantalum		1				0.002
Terbium		0.5				0.001
Thorium		9.3				0.0186
Tungsten		3				0.006
Uranium		2.8				0.0056
Vanadium		80				0.16
Ytterbium		1.6				0.0032
Yttrium		15				0.03
Zinc		61				0.122
Zirconium		100				0.2
Carbon				5.63		112.6
Total Sulfur				0.83		16.6
Sulfate				0.82		16.4
Kjeldahl Nitrogen				0.2		4

4.6197

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Swanton Black Major Components in Pounds per Ton



Swanton Black Trace Metals Pounds per Ton

