

Pb					
ID Mark	S-1	S-2	S-3	Avg	Stdv
SIA	62	56.5	67	61.8	5.3
FA	44.6	38.1	51.5	44.7	6.7
NMA	34.9	36.4	34.1	35.1	1.2
SRA	30.4	28	33.4	30.6	2.7
	42.975	39.75	46.5	43.1	4.0

Fe	S-1	S-2	S-3	Stdv	Avg
SIA	12450	9150	8250	2211.3	9950
FA	5120	4900	4500	314.3	4840
NMA	6700	5550	5150	804.7	5800
SRA	5300	4850	3200	1105.7	4450
				1109.0	6260

ID Mark	CF		EF		I <sub>geo</sub>	
	Iron	Lead	Iron	Lead	Iron	Lead
SIA	0.32	3.65	1	11.32	-2.2	1.28
FA	0.16	2.63	1	16.75	-3.26	0.8
NMA	0.19	2.1	1	10.94	-3	0.45
SRA	0.14	1.79	1	12.41	-3.38	0.25
Average:	0.2	2.5	1.0	12.9	-3.0	0.7
Site Status	Low Contamination	Moderate Contamination	Not Polluted	Strongly Polluted	Uncontaminated	Moderately Contaminated

Bioavailable Iron							
ID Mark	S-1	S-2	S-3	Avg+SD	Avg	SD	
SIA	132	122	72		108.7	32.1	
FA	45	28	31		34.7	9.1	
NMA	106	86	51		81.0	27.8	
SRA	25	18	27		23.3	4.7	
Percentage Bioavailable Iron							61.9
ID Mark	S-1	S-2	S-3	Avg+SD	Avg	SD	
SIA	3.1	2.35	2.76	2.74	2.73	0.4	
FA	0.52	0.73	0.6	0.62	0.62	0.1	
NMA	1.87	1.79	1.83	1.83	1.83	0.0	
SRA	0.54	0.61	0.45	0.53	0.53	0.1	
							1.4275

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$$CF = \frac{C_m}{C_n}$$

2

$$EF = \frac{\left(\frac{C_m}{C_{Fe}}\right)_{dust}}{\left(\frac{C_m}{C_{Fe}}\right)_{background}}$$

3

$$I_{geo} = \log_2\left(\frac{C_m}{1.5 \times C_b}\right)$$