

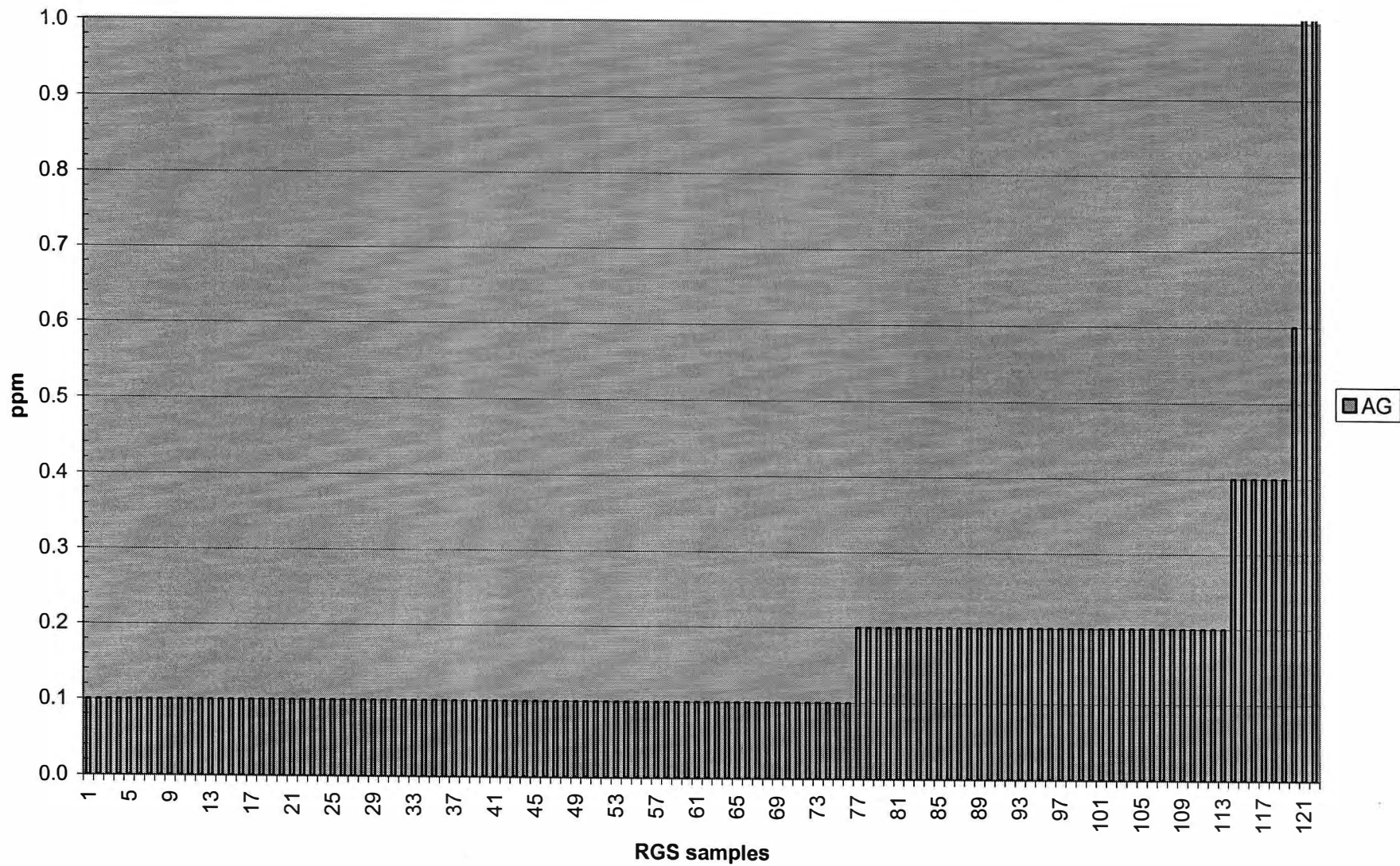
Snafu Area RGS STATS

Stats	Ag (ppm)	As (ppm)	Au (ppb)	Ba (ppm)	Cd (ppm)	Co (ppm)	Cu (ppm)	F (ppm)	Fe (%)	Hg (ppb)	LOI (%)	Mn (ppm)
Mean	0.1770492	4.089344	26.102459	1125.582	0.3126229	7.9836066	25.5	264.7541	1.7835242	78.885246	9.4590164	513.52459
Standard Error	0.0206515	0.3822718	13.489443	96.552257	0.0265043	0.4314527	1.3568759	7.6035177	0.068525	9.8865341	0.7317696	55.132051
Median	0.1	2.8	2	1250	0.2	7	22	260	1.68	58	7.3	340
Mode	0.1	3.3	2	960	0.11	7	15	260	1.8	36	4.4	220
Standard Deviation	0.2281028	4.2223298	148.99577	1066.4545	0.2927491	4.7655506	14.987185	83.983599	0.7568829	109.20034	8.0826593	608.95341
Sample Variance	0.0520309	17.828069	22199.739	1137325.3	0.0857021	22.710473	224.6157	7053.2448	0.5728717	11924.714	65.329381	370824.25
Kurtosis	45.66143	20.639117	76.567332	99.782005	3.2717344	4.6927451	4.5656174	-0.2283052	7.9365287	80.634939	14.034764	26.426695
Skewness	6.4047711	3.9246518	8.5020404	-9.5082446	1.8314179	1.9080309	1.9173713	0.124579	2.0735449	8.2860157	2.9237718	4.5078753
Range	1.9	32.7	1459.5	12059	1.39	28	81	420	5.24	1146	60.8	4935
Minimum	0.1	0.5	0.5	-9999	0.11	2	8	40	0.36	14	0.6	65
Maximum	2	33.2	1460	2060	1.5	30	89	460	5.6	1160	61.4	5000
Sum	21.6	498.89997	3184.5	137321	38.13999	974	3111	32300	217.58995	9624	1154	62650
Count	122	122	122	122	122	122	122	122	122	122	122	122
Largest(1)	2	33.2	1460	2060	1.5	30	89	460	5.6	1160	61.4	5000
Smallest(1)	0.1	0.5	0.5	-9999	0.11	2	8	40	0.36	14	0.6	65
Confidence Level(95.0%)	0.040885	0.7568084	26.705932	191.15081	0.0524722	0.8541751	2.6862959	15.053181	0.1356633	19.573018	1.4487321	109.14852

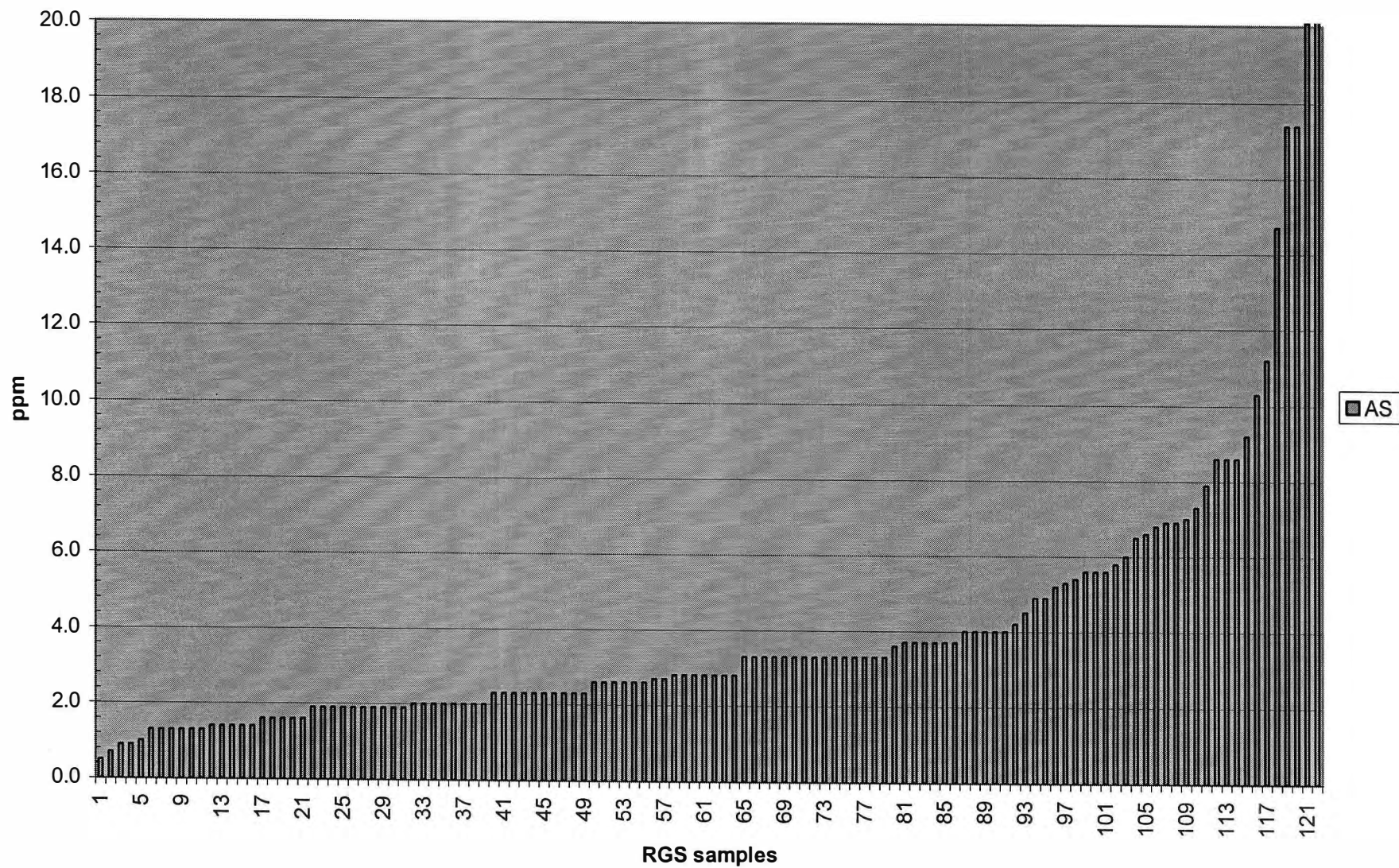
Stats	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Sn (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (ppm)	PH	F_w (ppb)	U_w (ppb)
Mean	2.2704918	35.04918	2.2786885	0.4868843	1.7448361	2.8196721	37.114754	1.2295082	52.95082	-648.4959	-597.5408	-655.2386
Standard Error	0.1280564	3.0096456	0.1675724	0.0257642	0.1198949	0.350577	1.1994668	0.0778965	2.3234534	225.18264	226.43195	225.02027
Median	2	23	2	0.4	2	2.15	35	1	48	7.7	50	0.344995
Mode	2	20	1	0.4	2	1.9	30	1	42	7.8	32	0.01999
Standard Deviation	1.4144291	33.242622	1.8508979	0.2845753	1.324282	3.8722501	13.248544	0.8603947	25.663381	2487.2236	2501.0227	2485.4301
Sample Variance	2.0006097	1105.0719	3.4258231	0.0809831	1.7537227	14.994321	175.52391	0.7402791	658.60913	6186281.1	6255114.3	6177362.7
Kurtosis	7.8552506	14.466523	11.983388	5.0779624	3.8376569	75.758727	2.868498	22.685629	13.016644	10.806804	10.801456	10.806803
Skewness	2.1798853	3.2139768	2.985152	1.974537	1.628292	8.224539	1.4623099	4.6810846	3.0628264	-3.553856	-3.552648	-3.553855
Range	9	241	12	1.7	7.49	39.8	75	5	160	10007.2	10259	10003.25
Minimum	1	9	1	0.1	0.51	0.5	15	1	20	-9999	-9999	-9999
Maximum	10	250	13	1.8	8	40.3	90	6	180	8.2	260	4.25
Sum	277	4276	278	59.39988	212.87	344	4528	150	6460	-79116.5	-72899.98	-79939.11
Count	122	122	122	122	122	122	122	122	122	122	122	122
Largest(1)	10	250	13	1.8	8	40.3	90	6	180	8.2	260	4.25
Smallest(1)	1	9	1	0.1	0.51	0.5	15	1	20	-9999	-9999	-9999
Confidence Level(95.0%)	0.2535216	5.958392	0.3317541	0.0510071	0.2373637	0.6940603	2.3746628	0.1542167	4.5998924	445.80879	448.28213	445.48732

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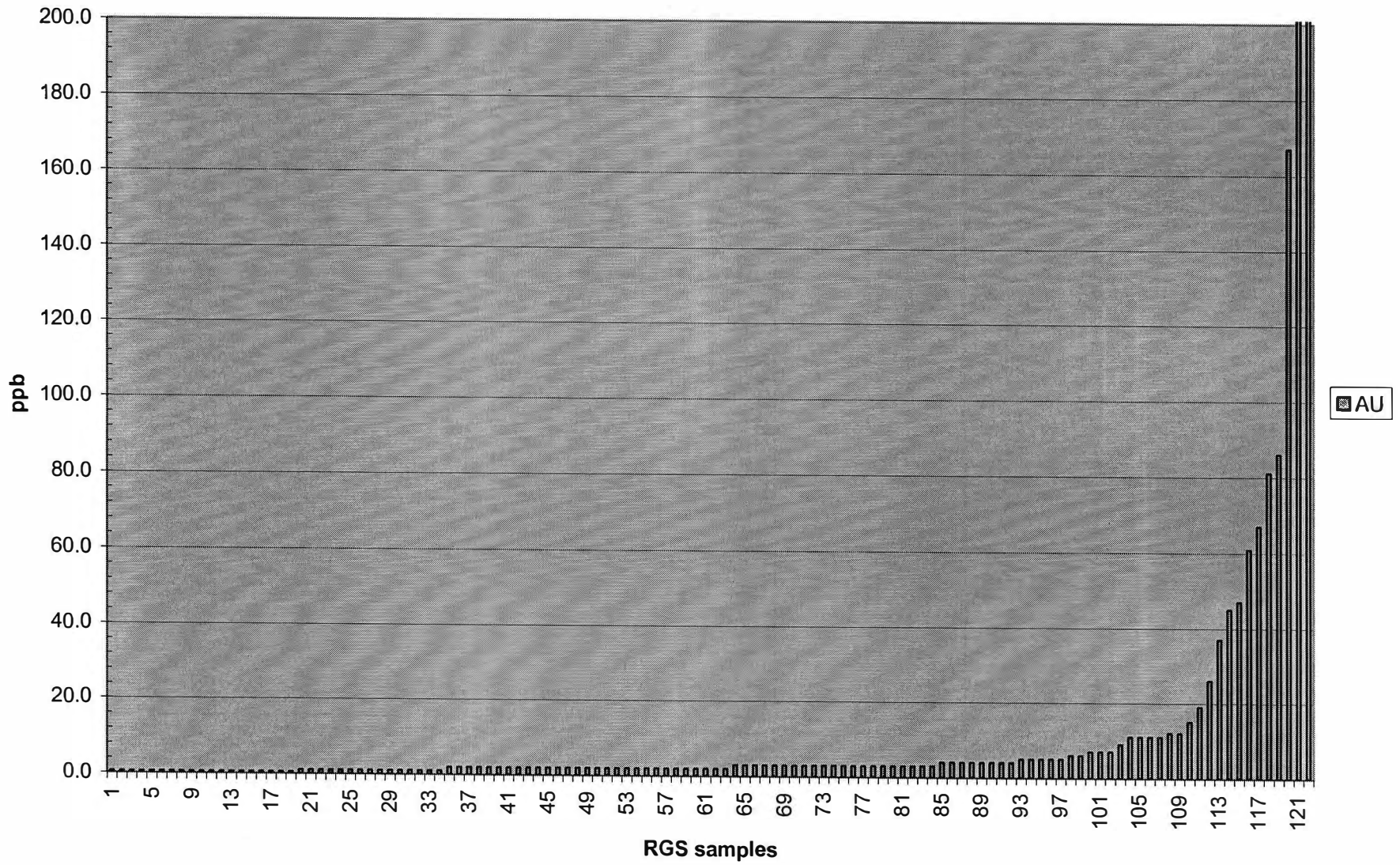
Silver (Snafu area)



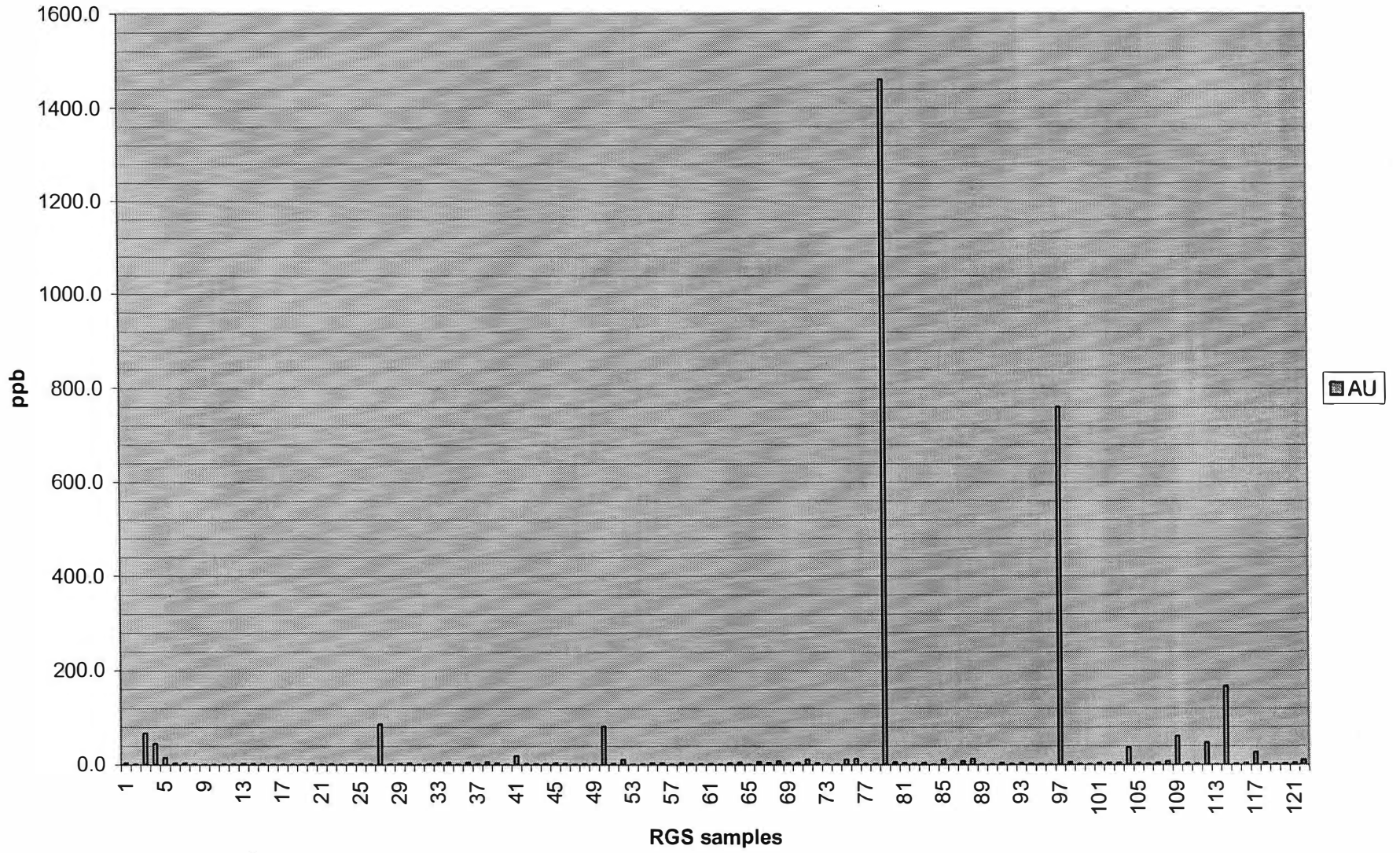
Arsenic (Snafu area)



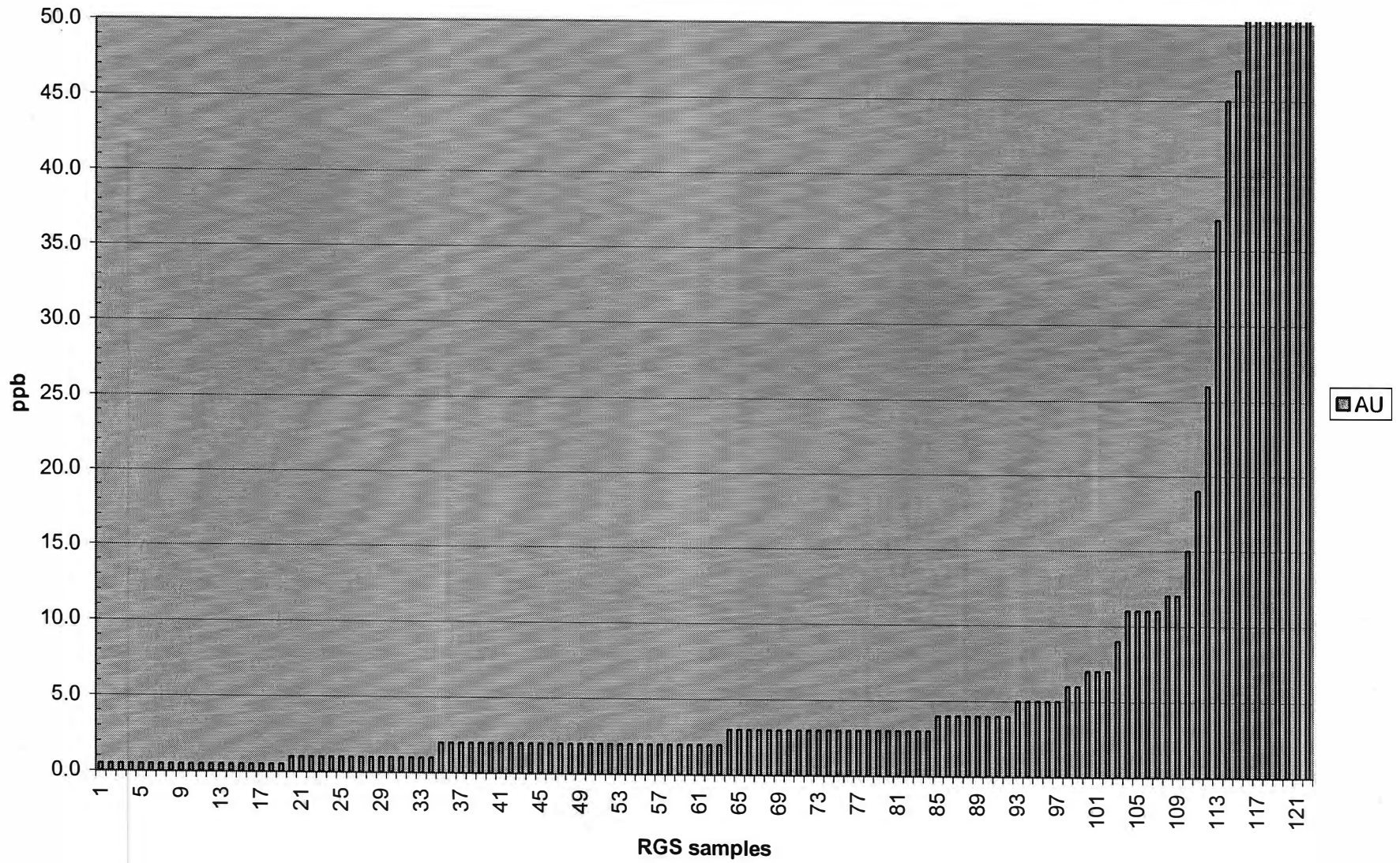
Gold (Snafu area)



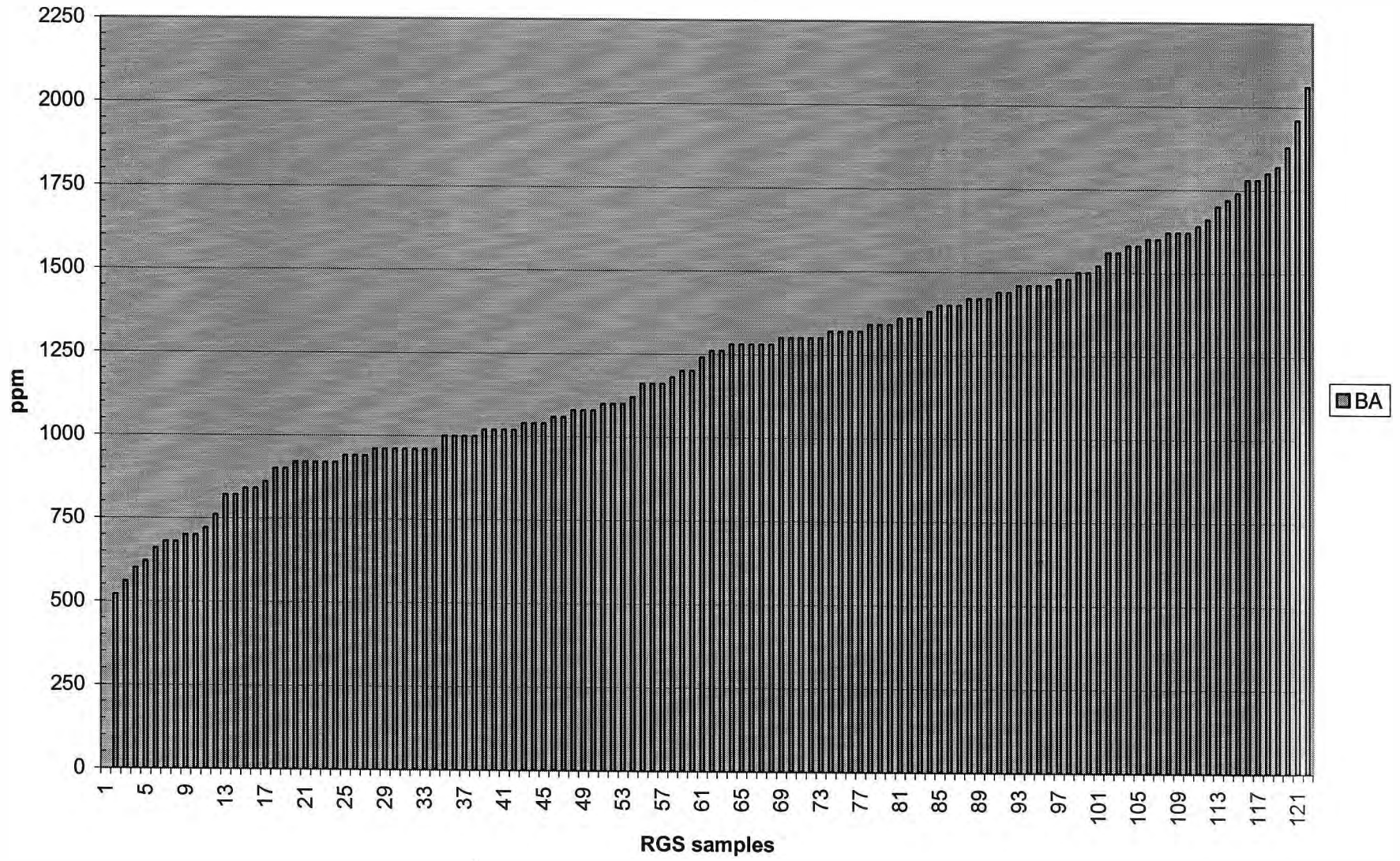
Gold (Snafu Area)



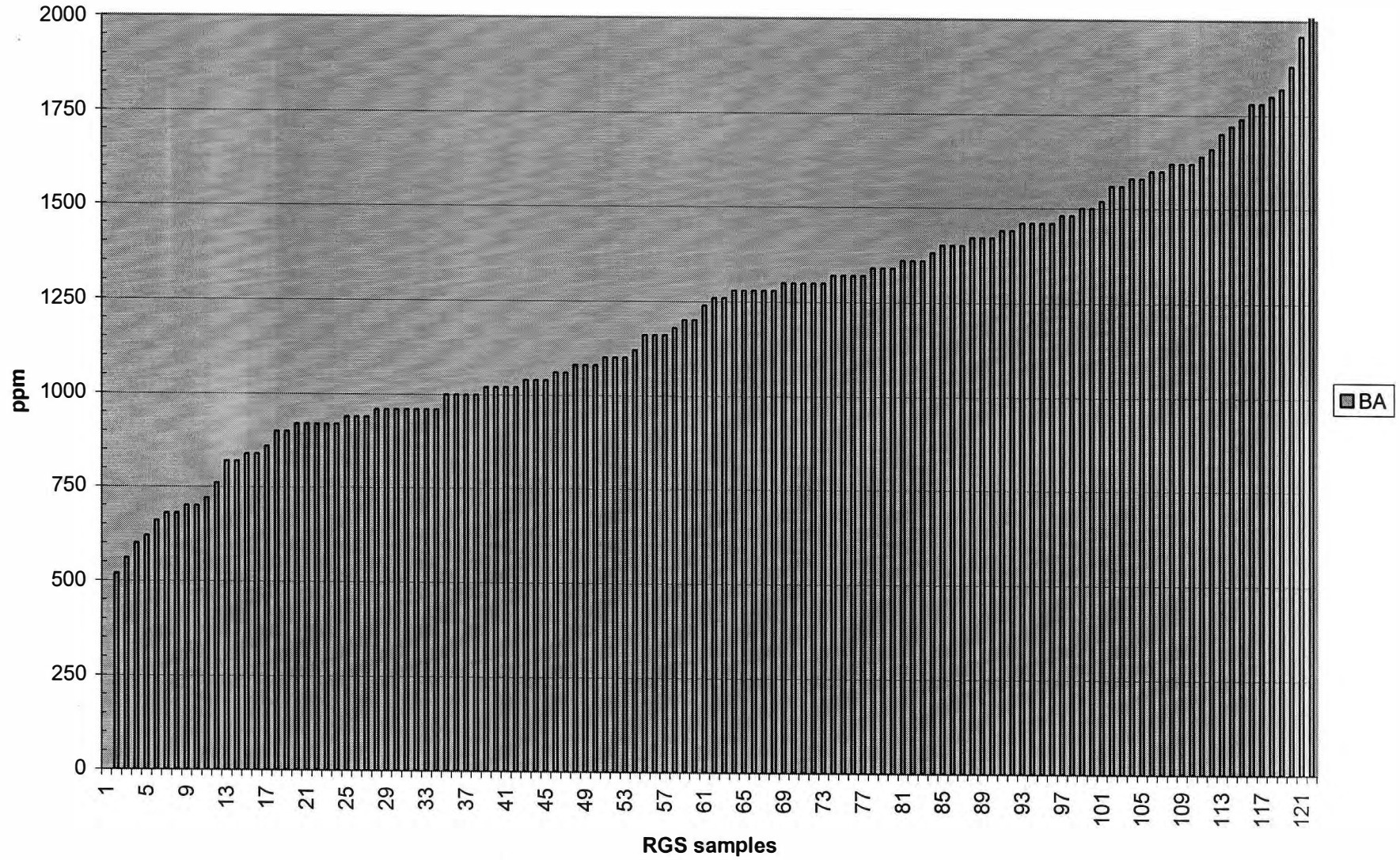
Gold (Snafu area)



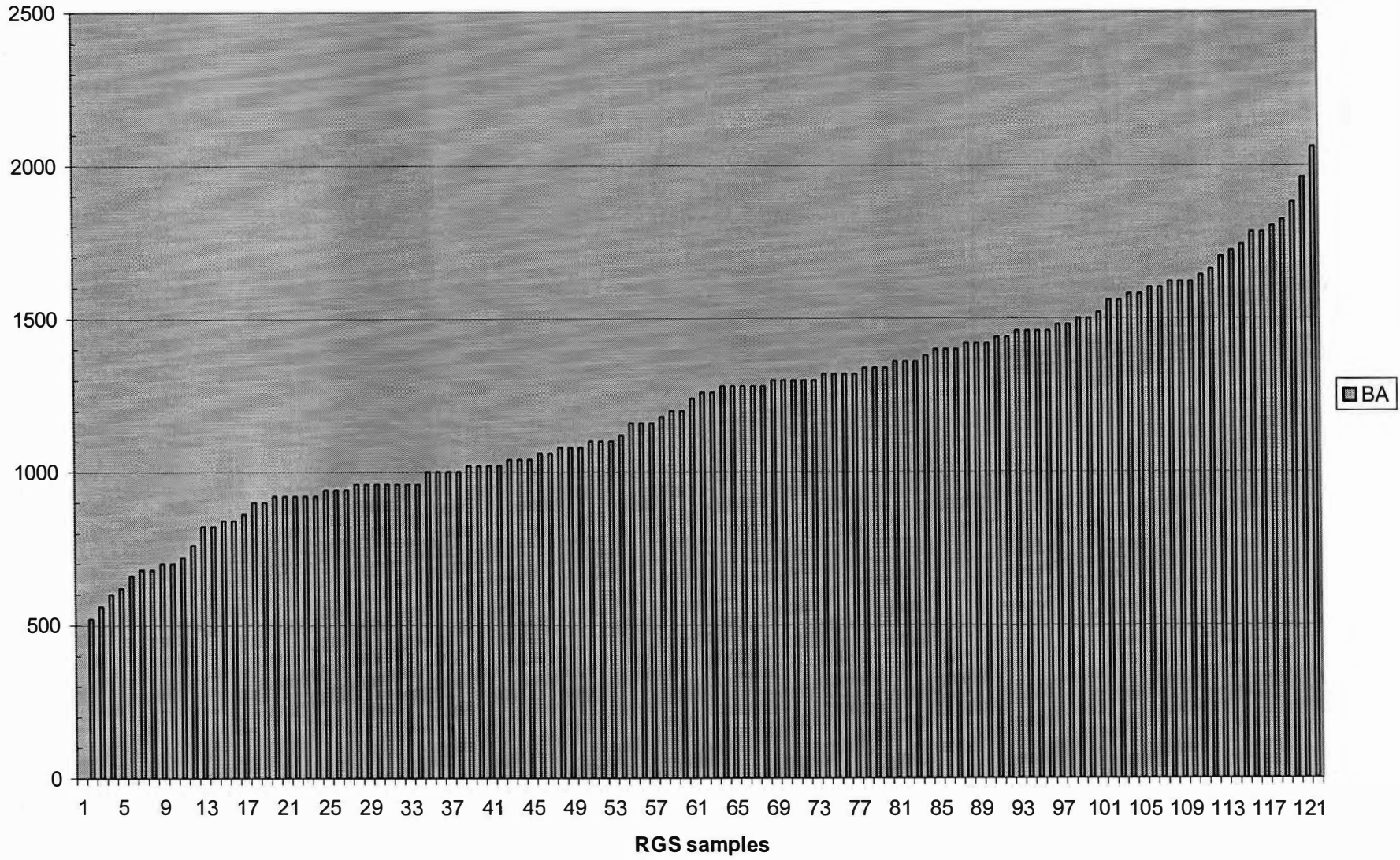
Barium (Snafu Area)



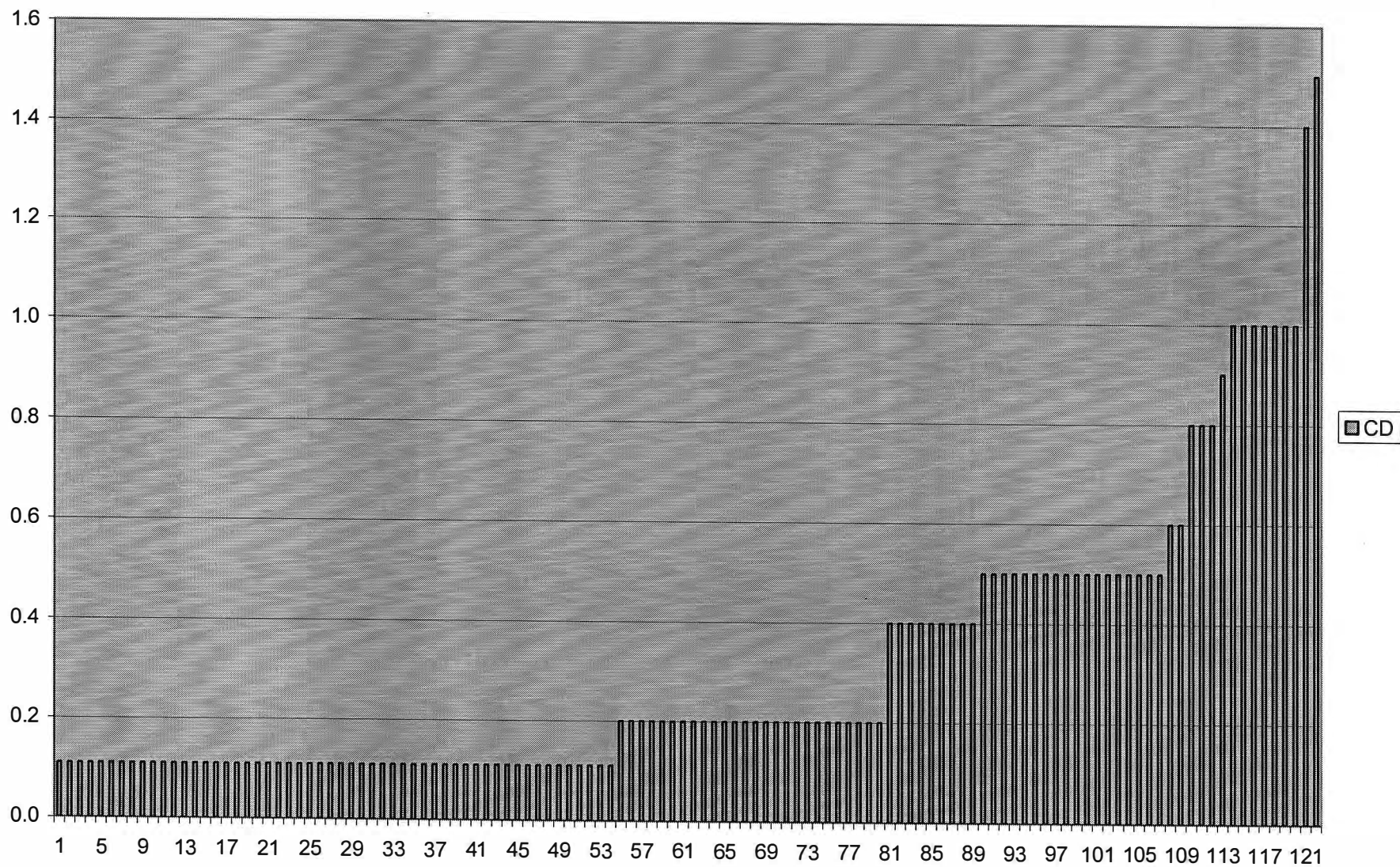
Barium (Snafu Area)



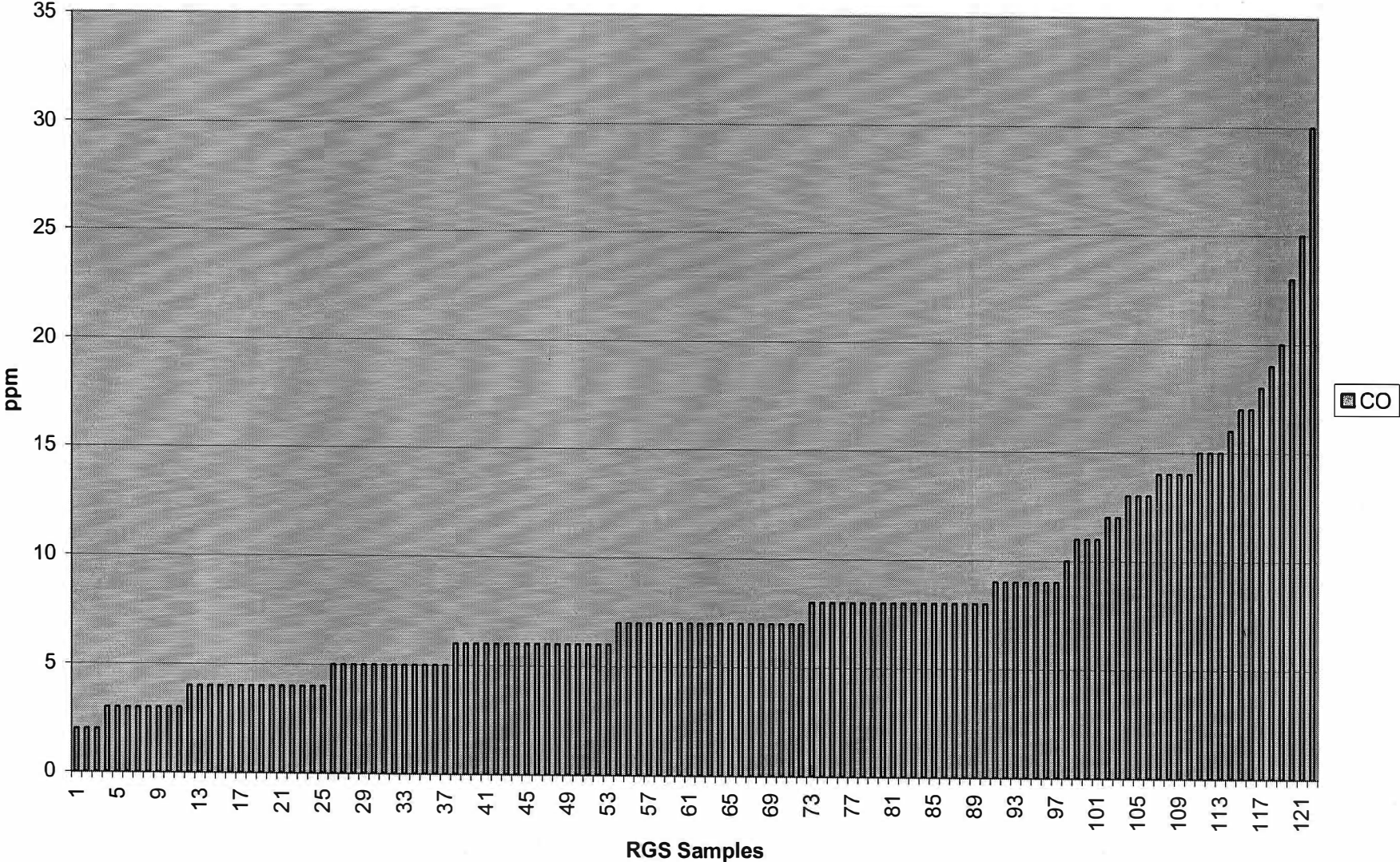
Barium (Snafu Area)



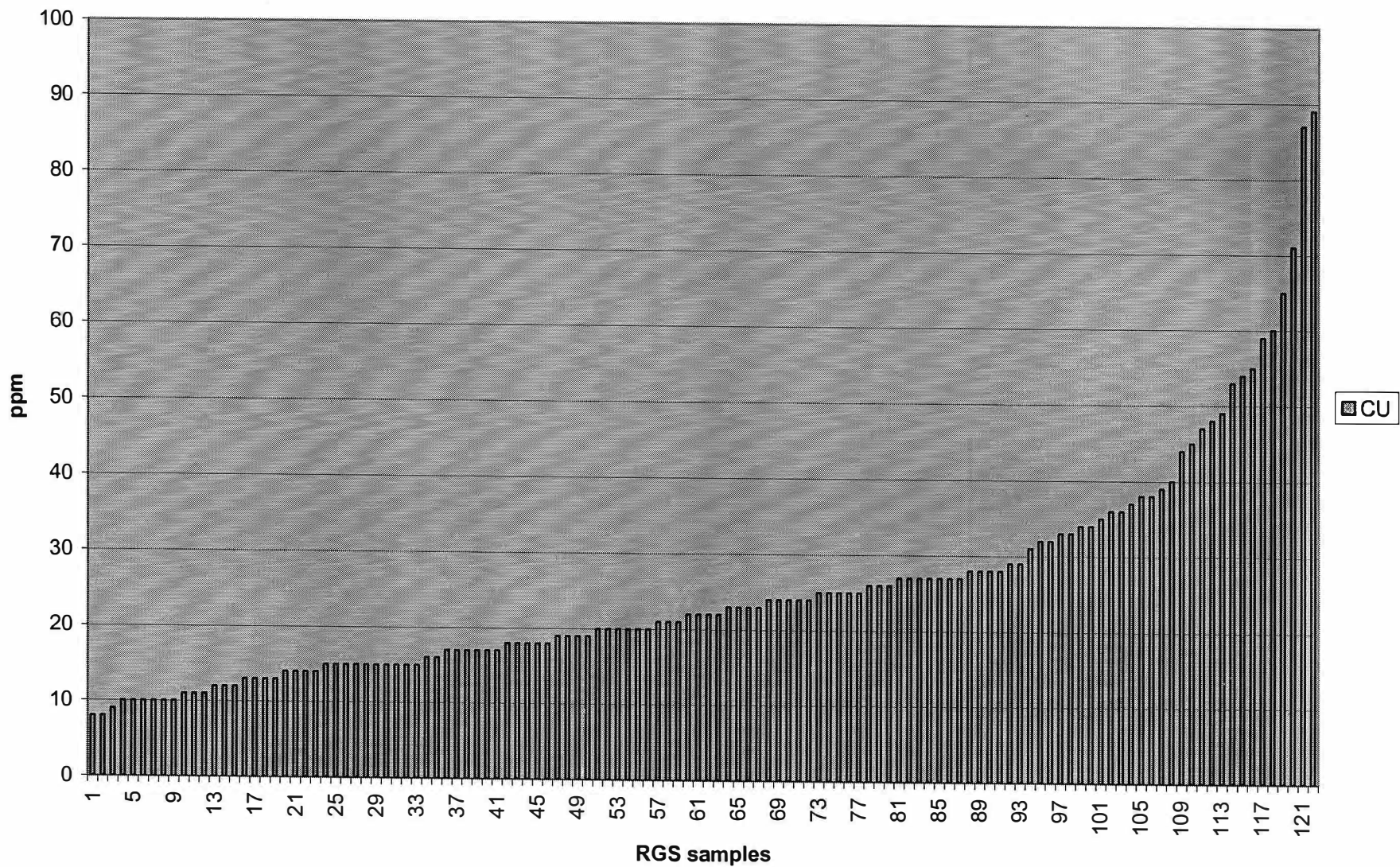
Cadmium (Snafu area)



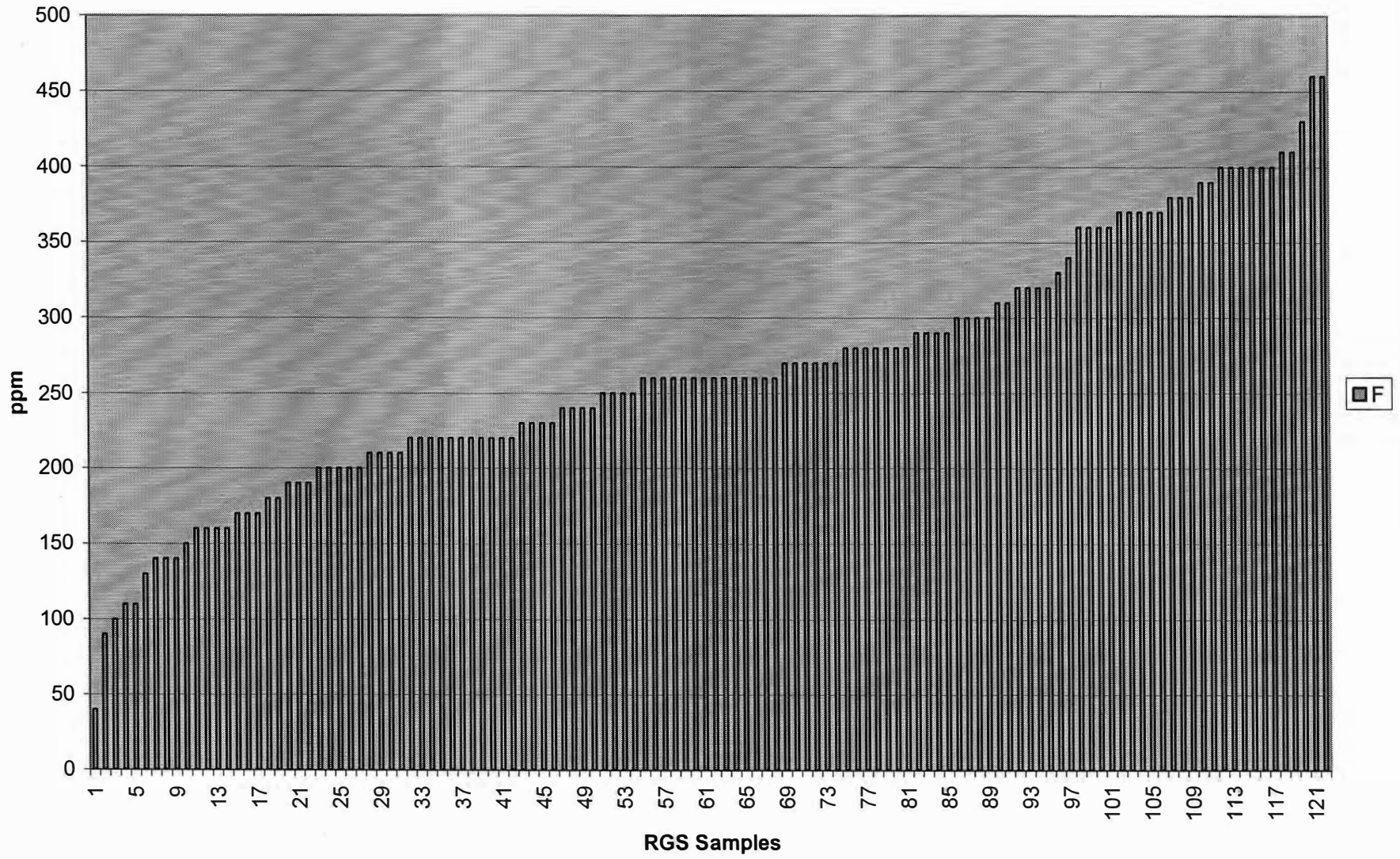
Cobalt (Snafu area)



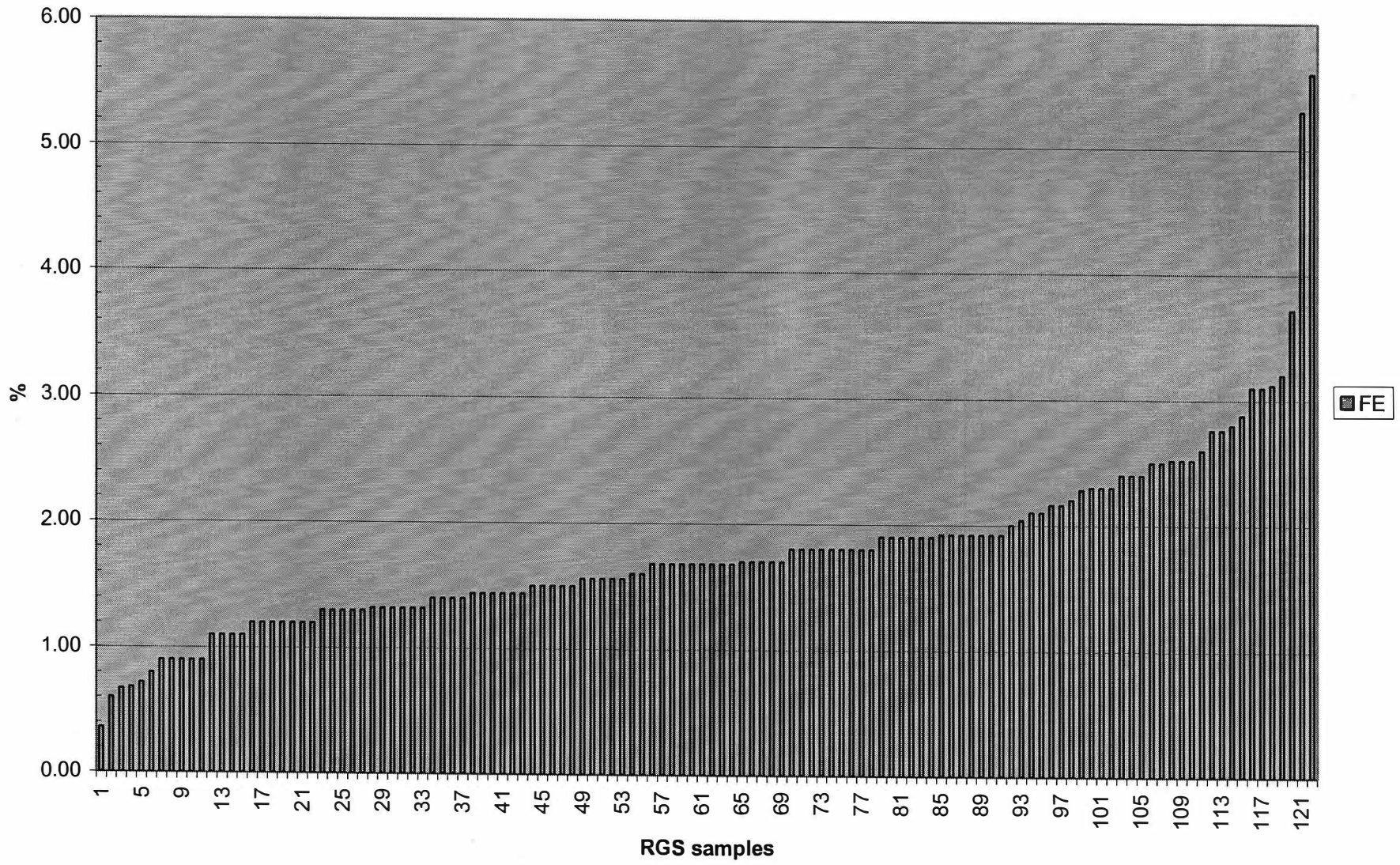
Copper (Snafu area)



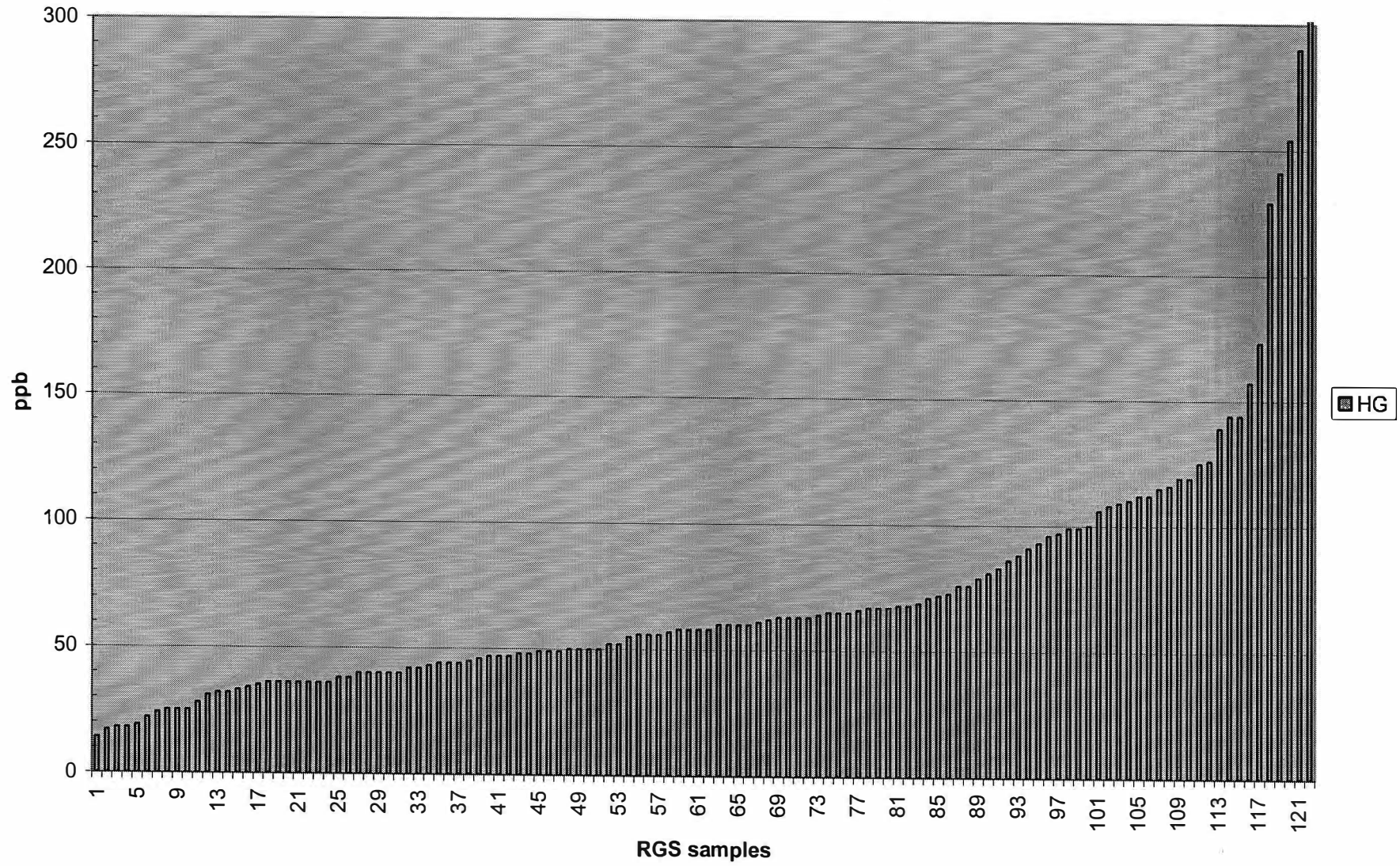
Fluorine (Snafu area)



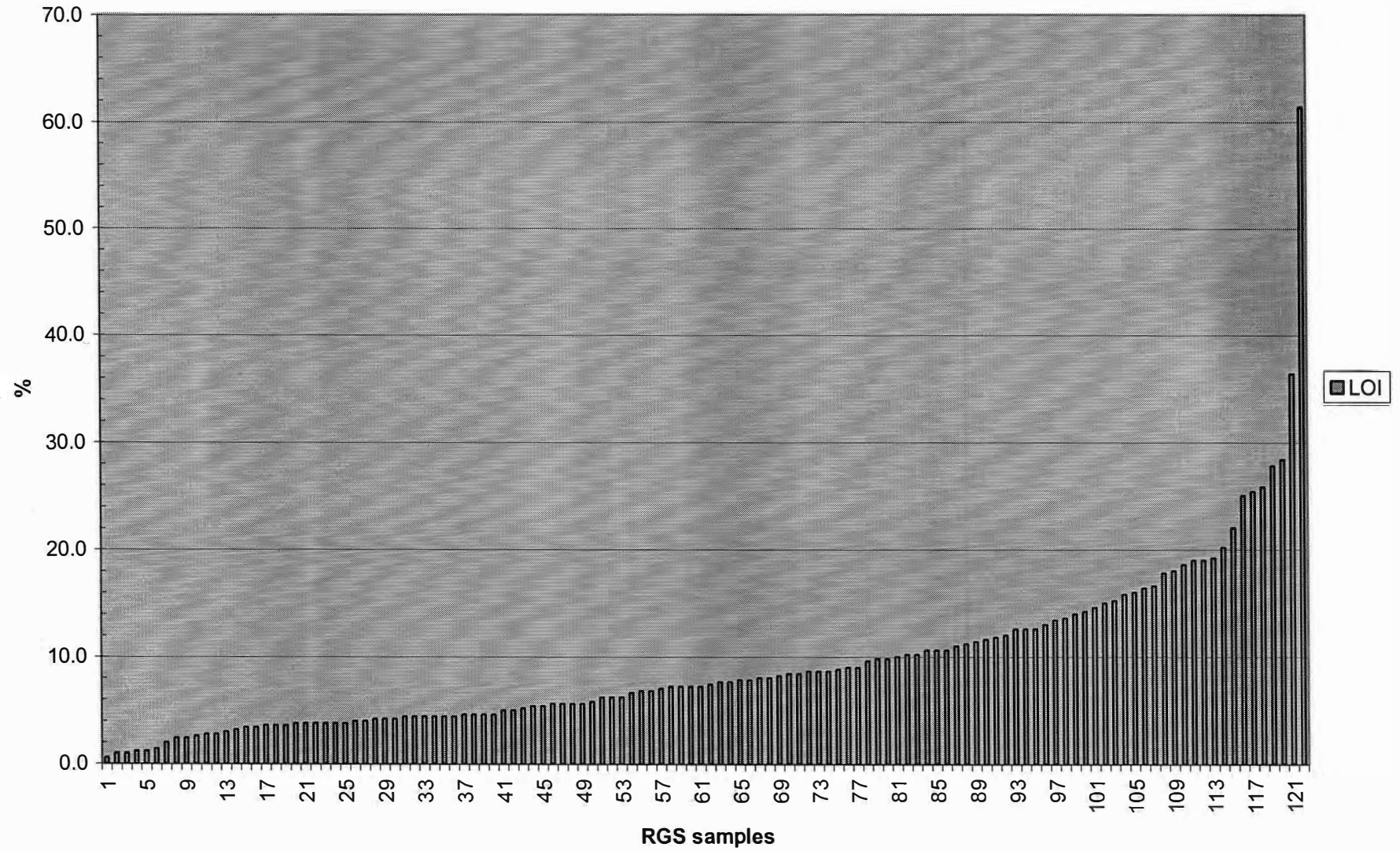
Iron (Snafu area)



Mercury (Snafu Area)



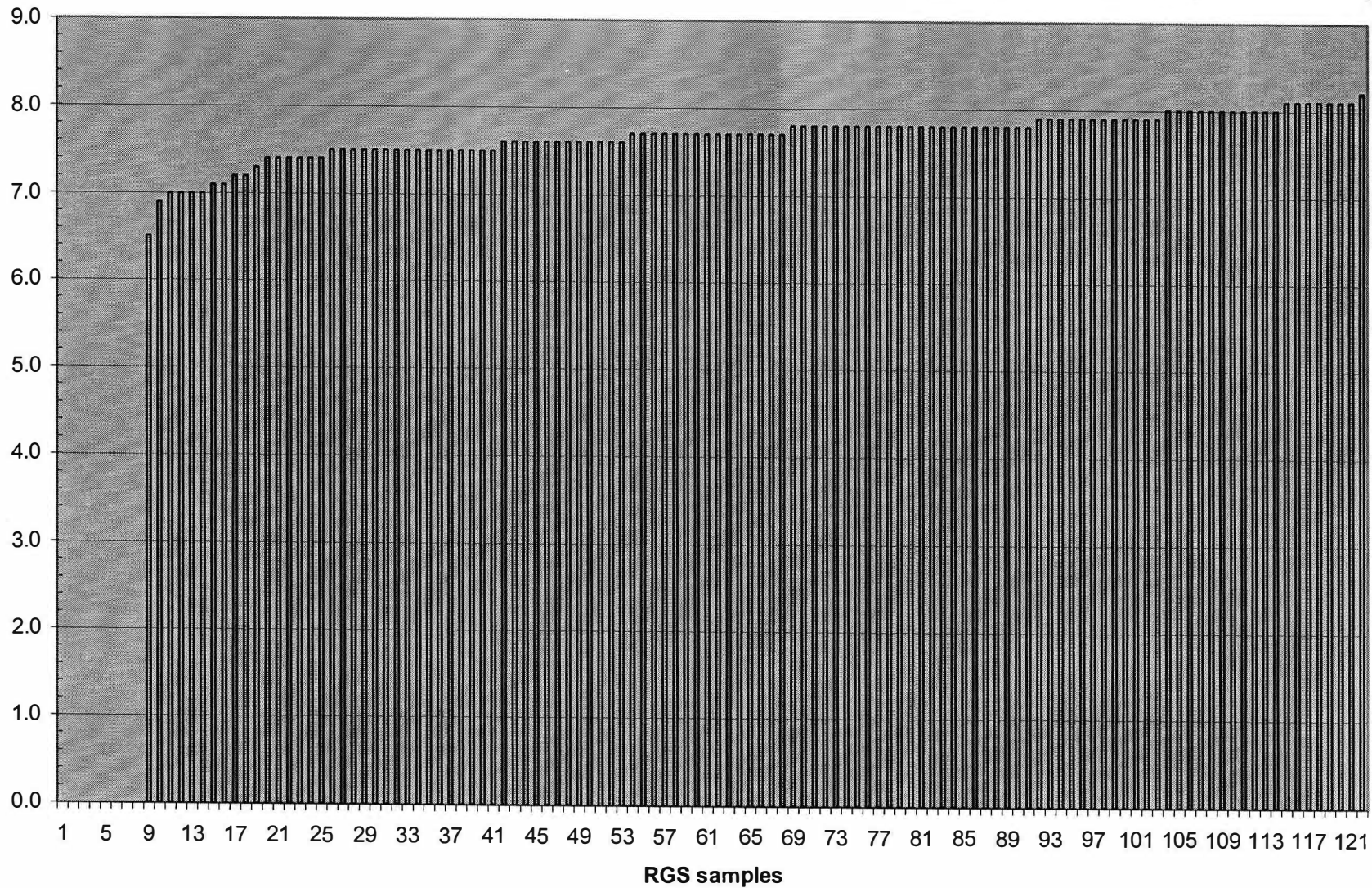
Loss-on-ignition (Snafu Area)



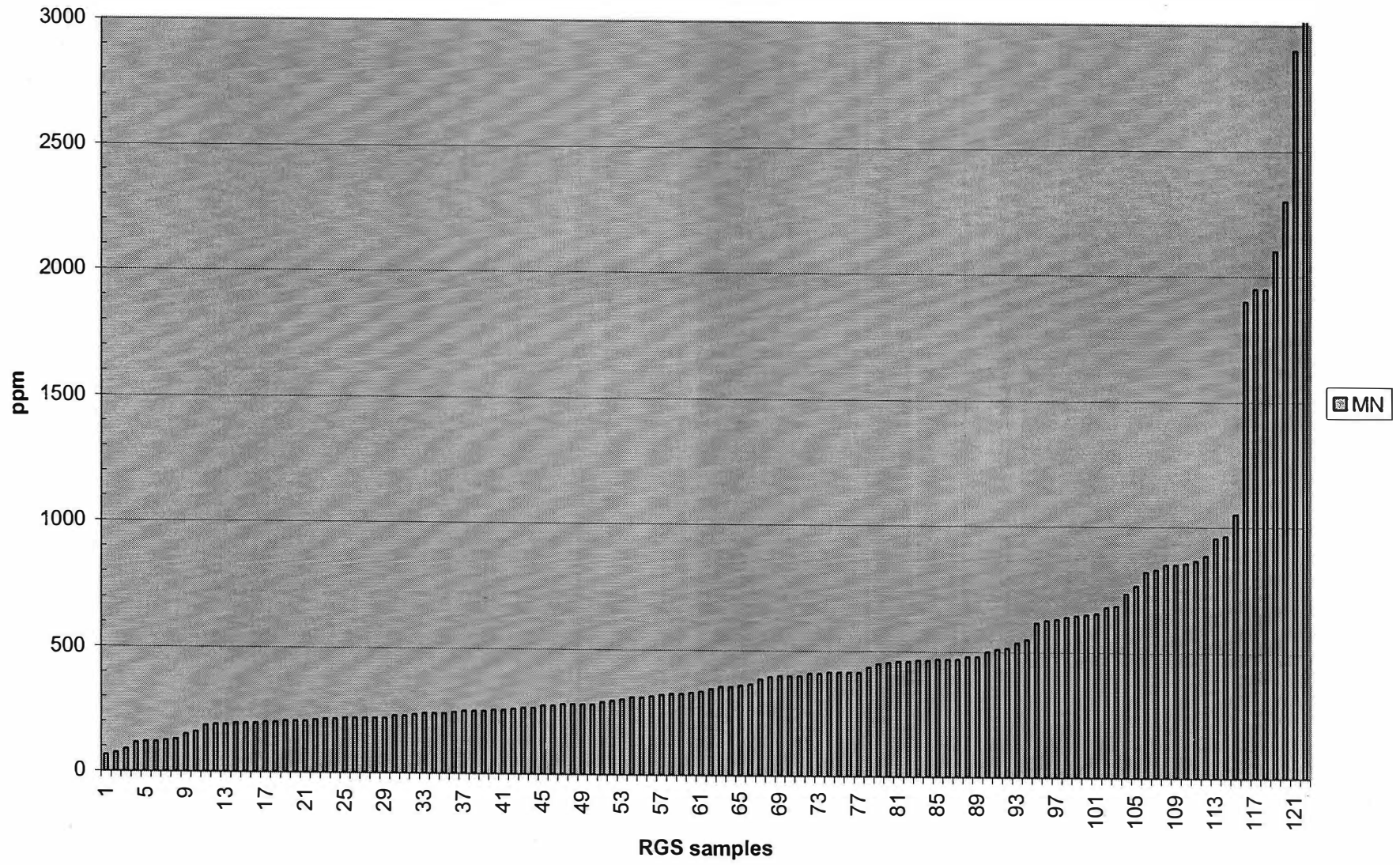
- numbers in Snafu area can be considered good & close to source

- In Inst area that is why most values neutral
- if acidic, then mobile elements more mobile (if no 100 line @ Town depot)

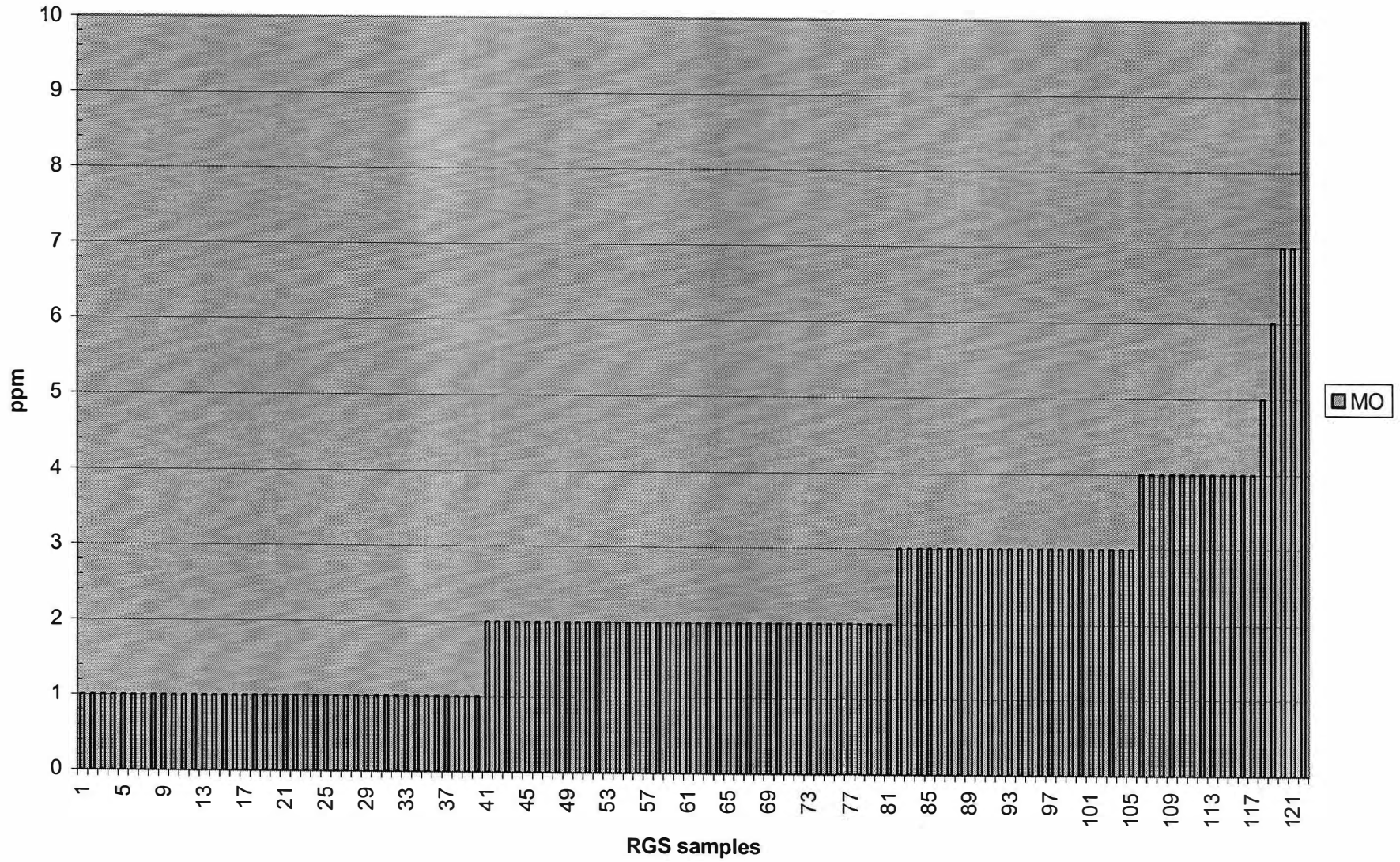
pH (Snafu area)



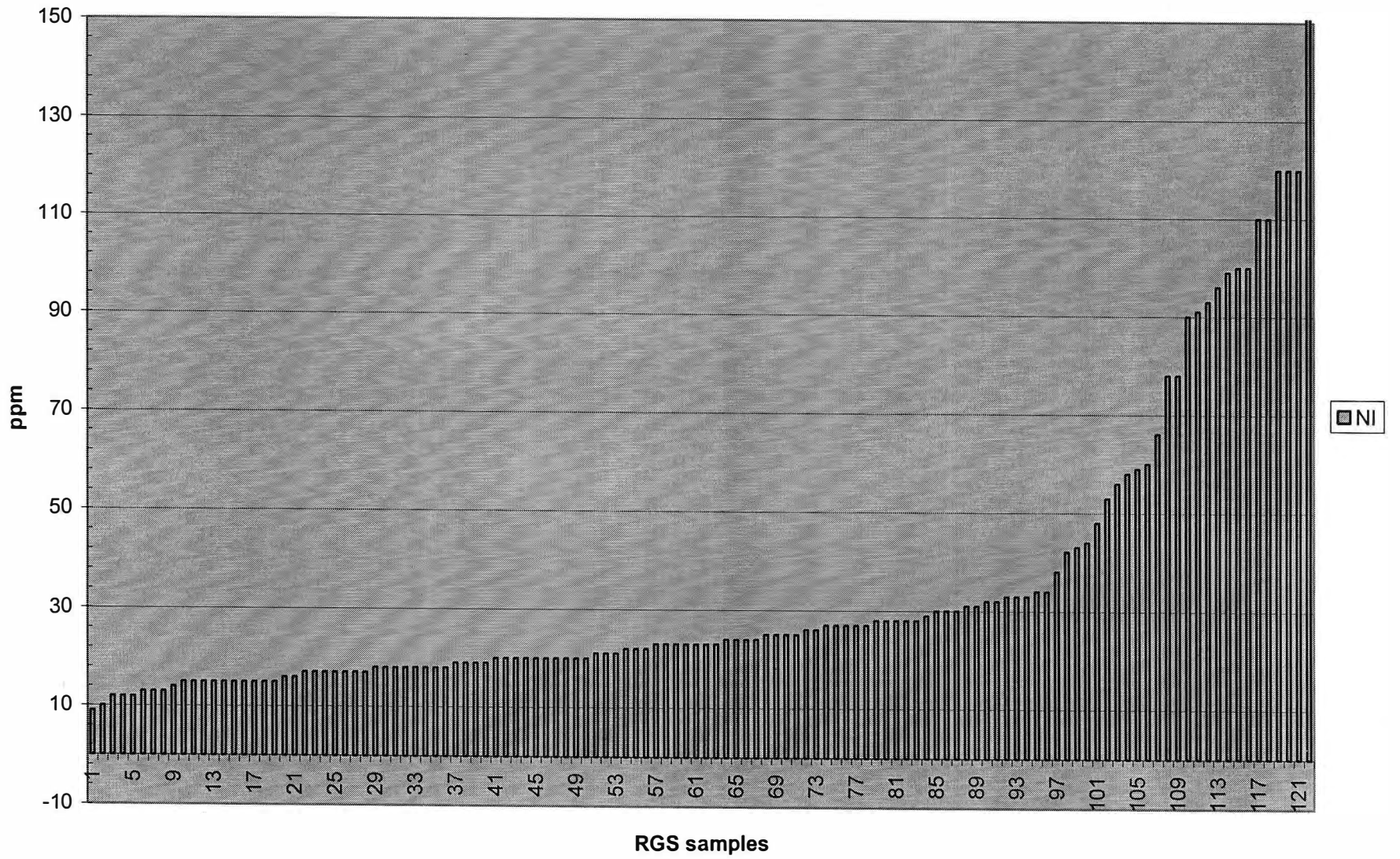
Manganese (Snafu Area)



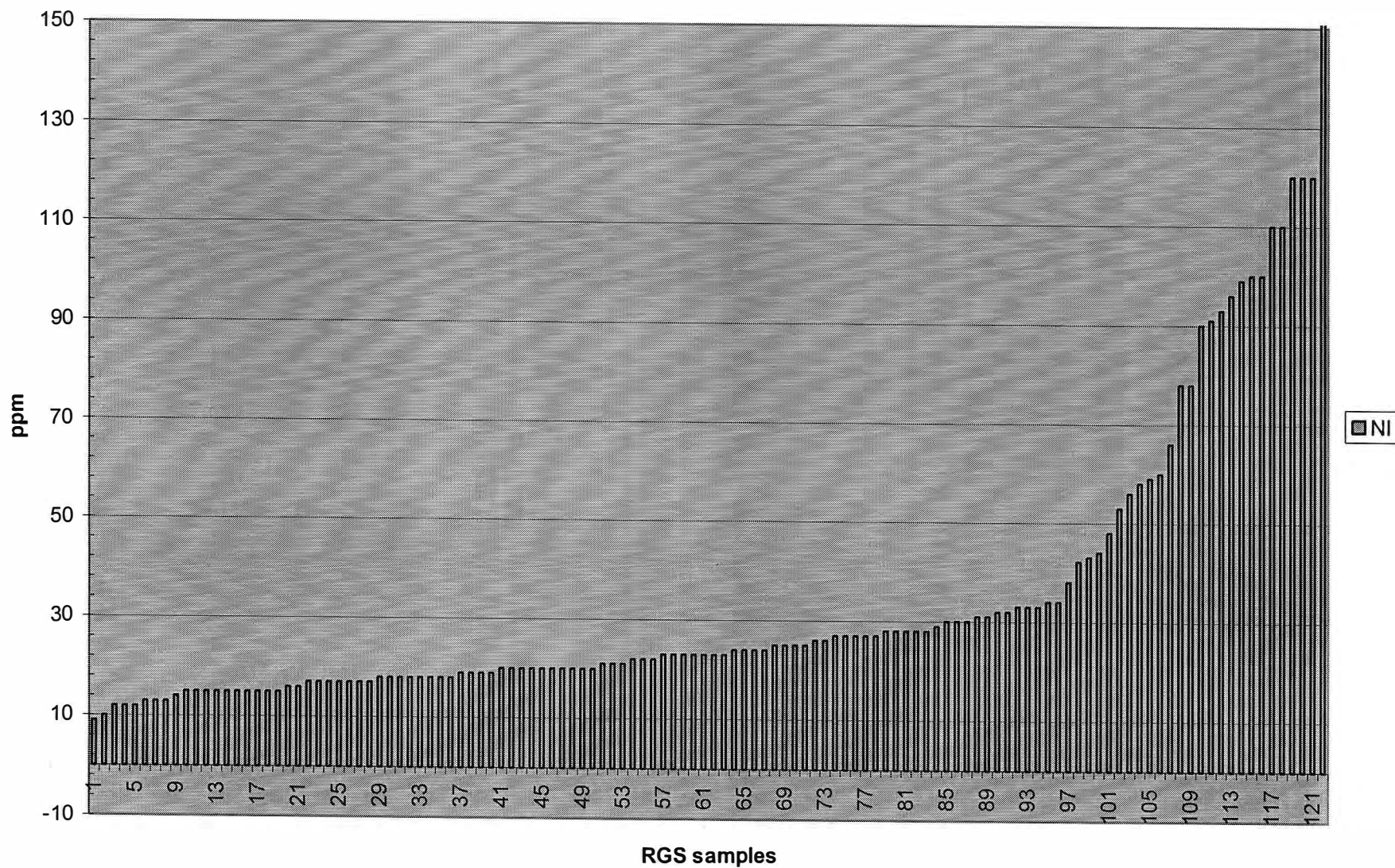
Molybdenum (Snafu area)



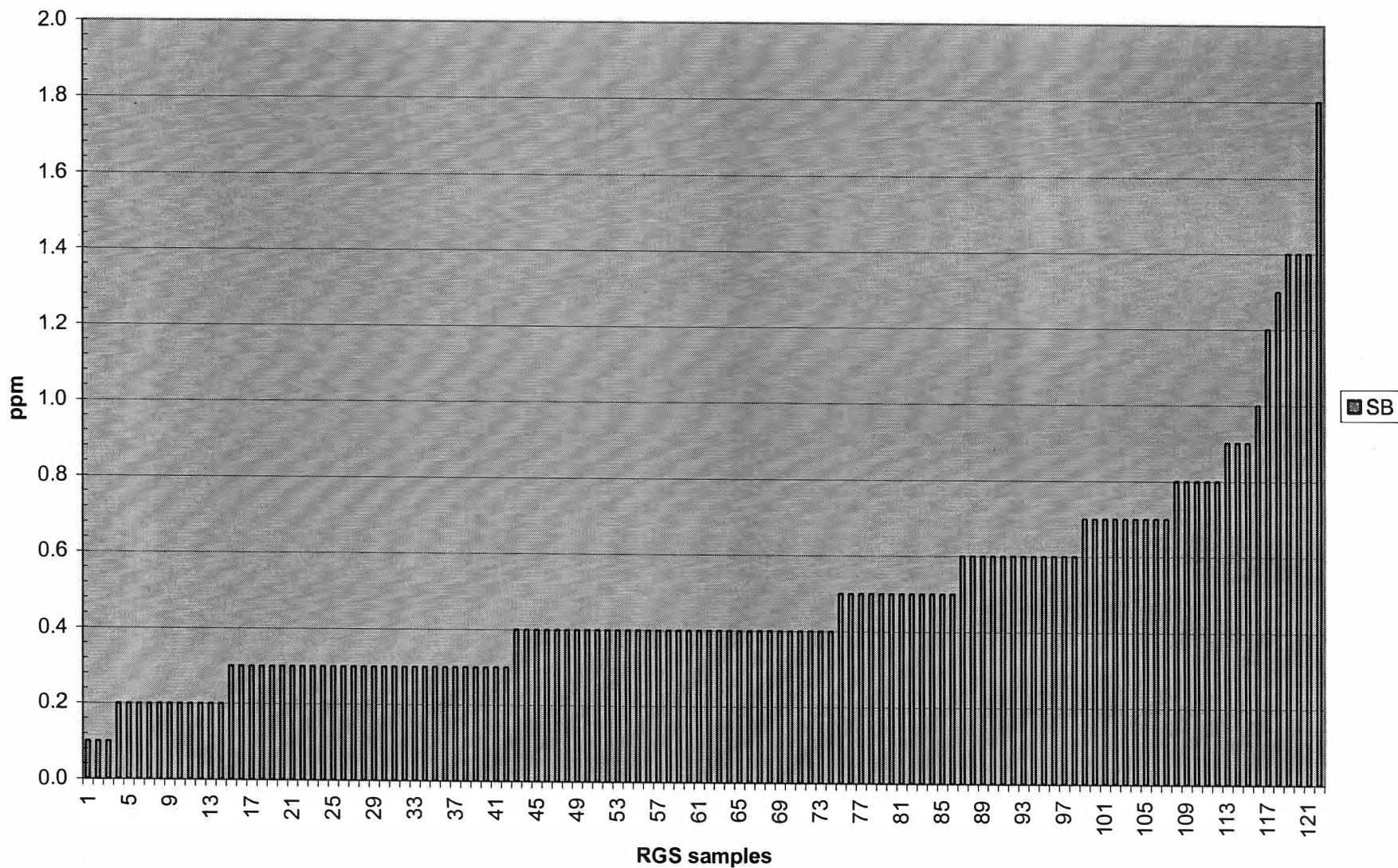
Nickel (Snafu Area)



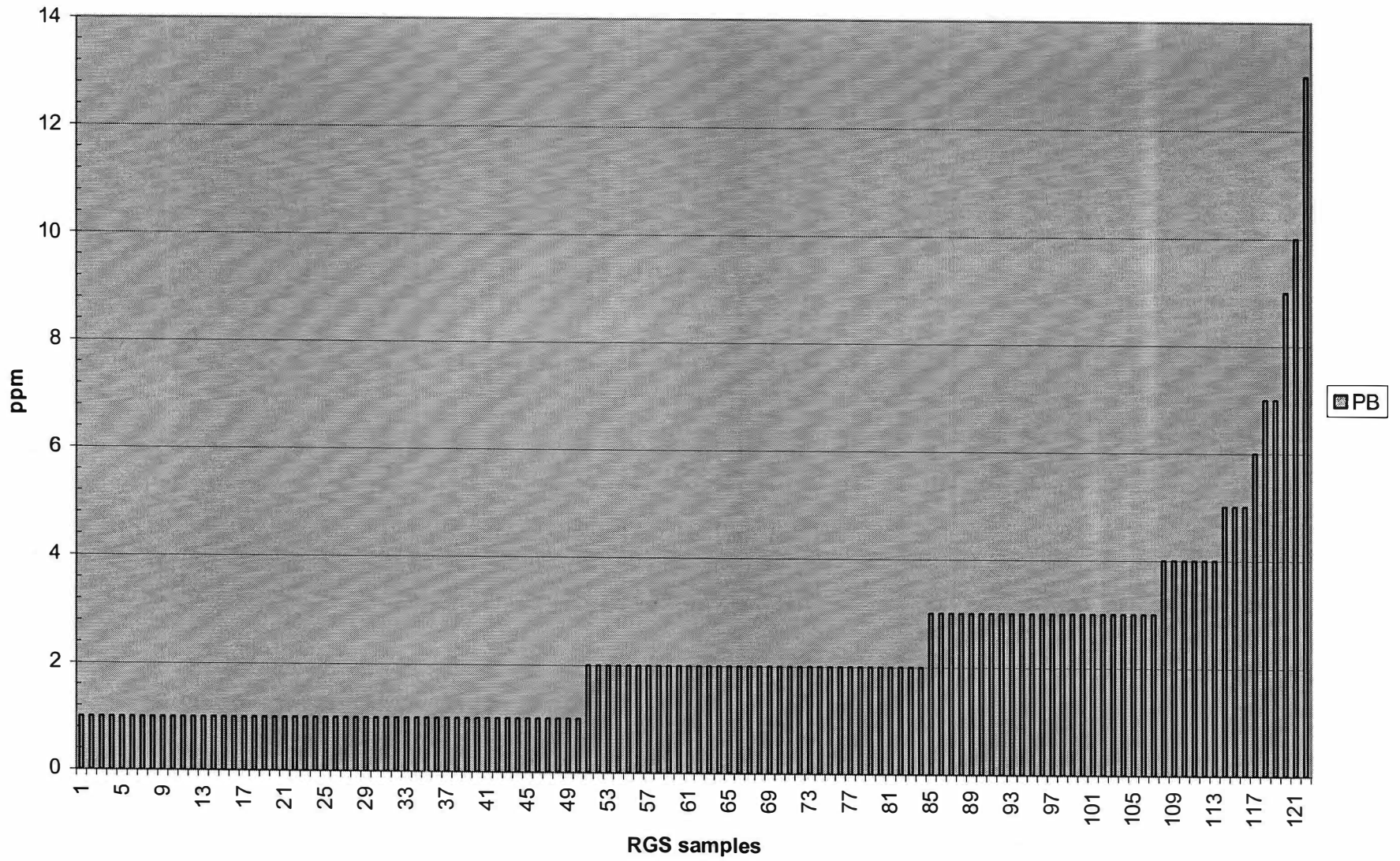
Nickel (Snafu Area)



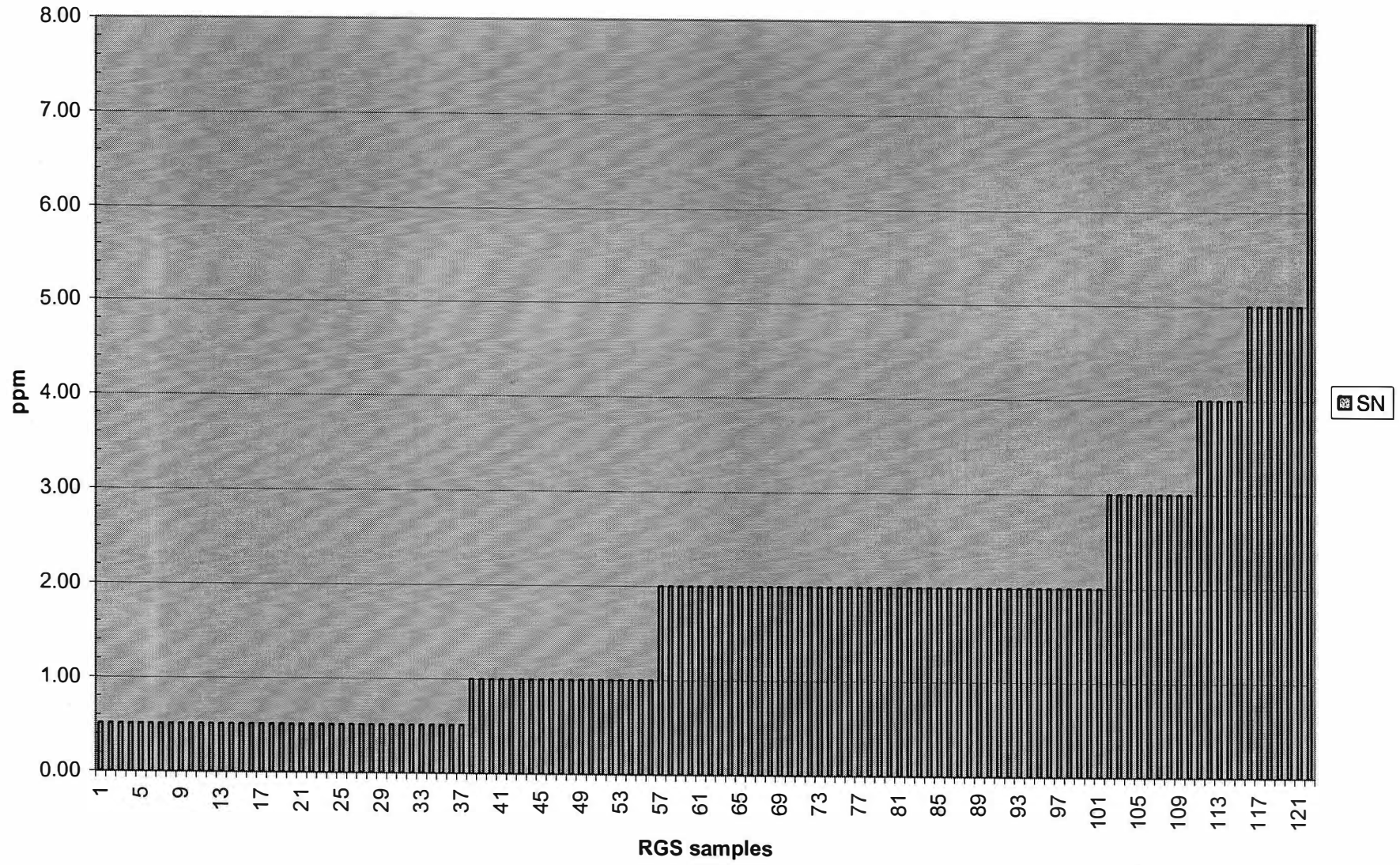
Antimony (Snafu area)



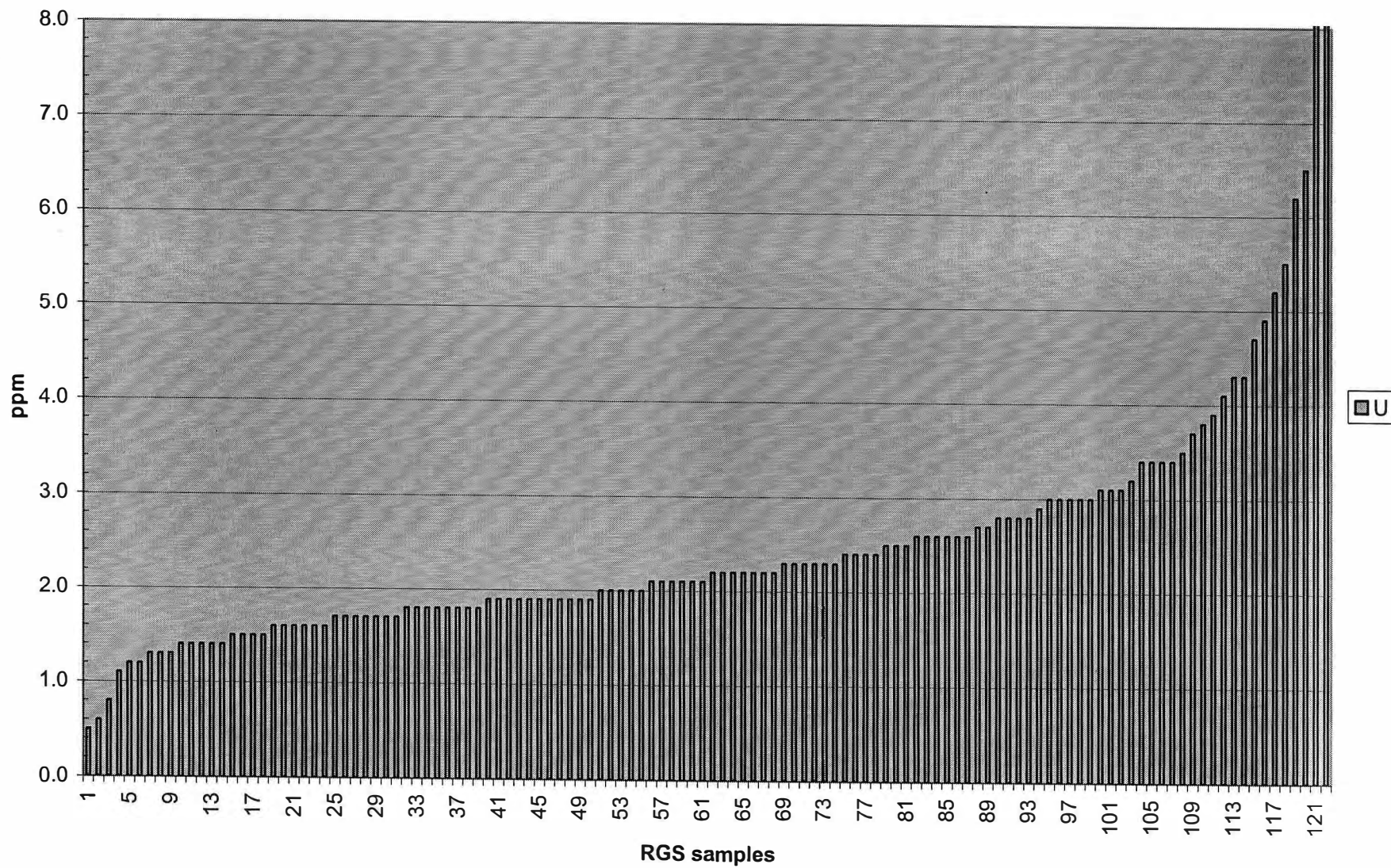
Lead (Snafu area)



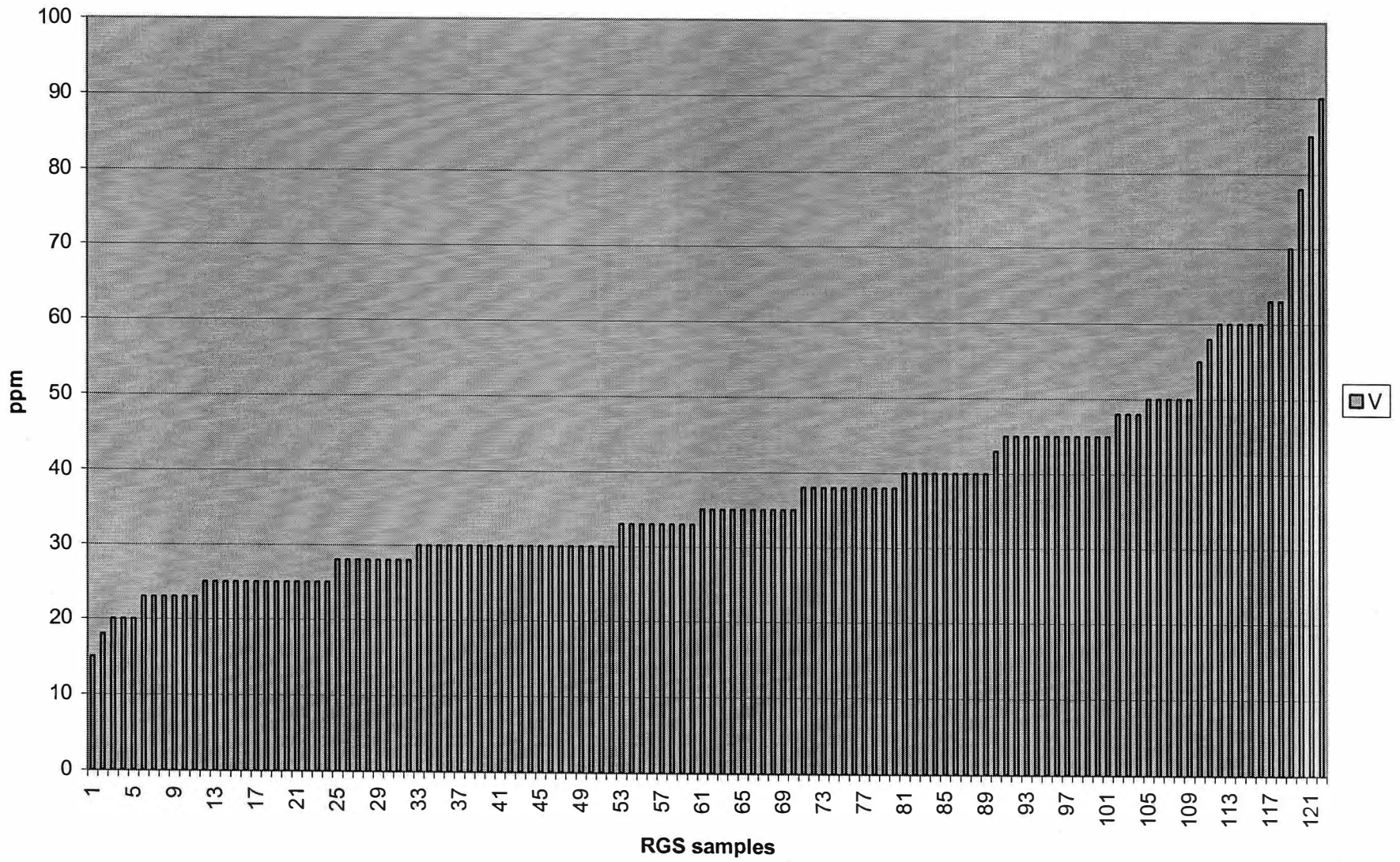
Tin (Snafu Area)



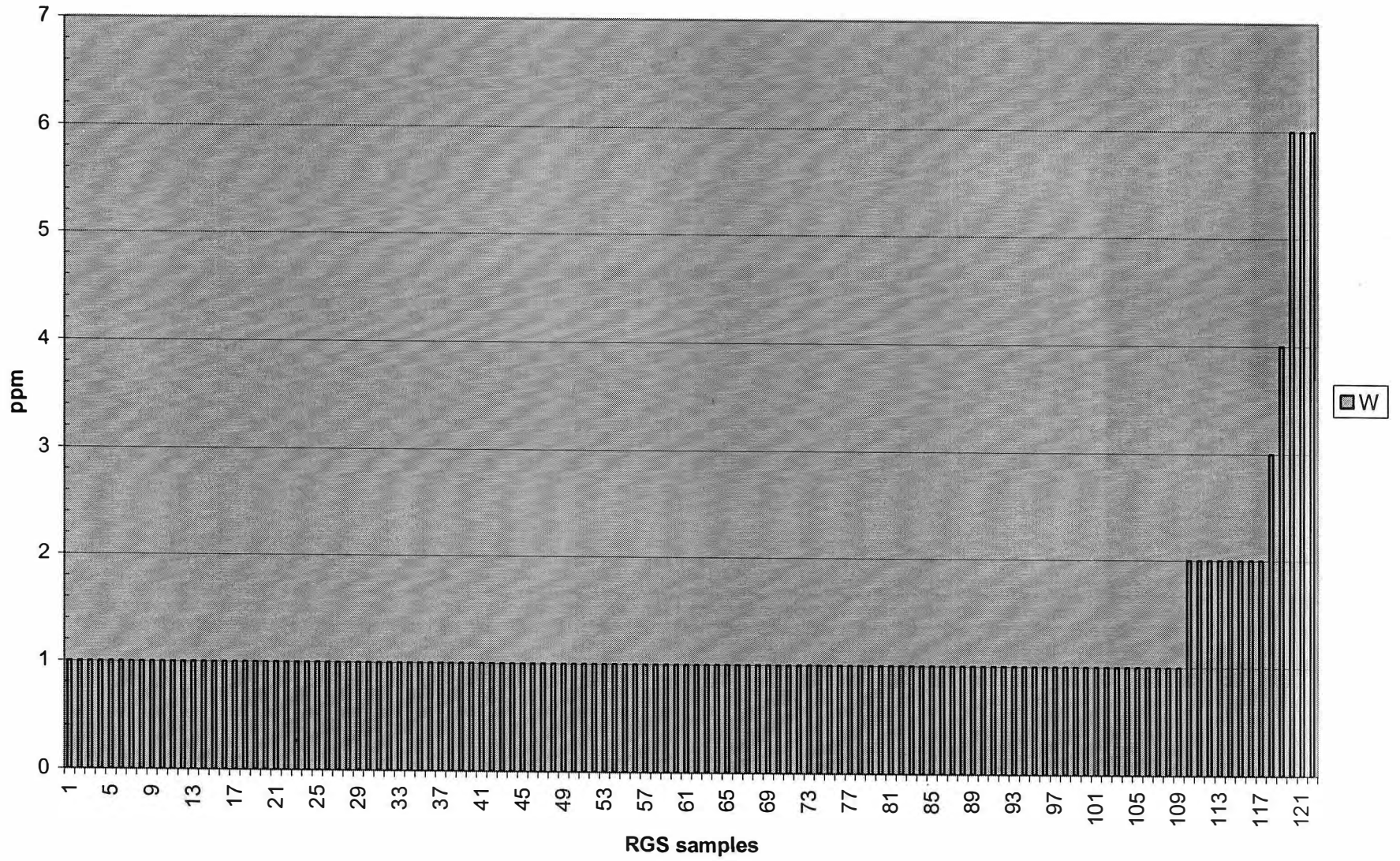
Uranium (Snafu area)



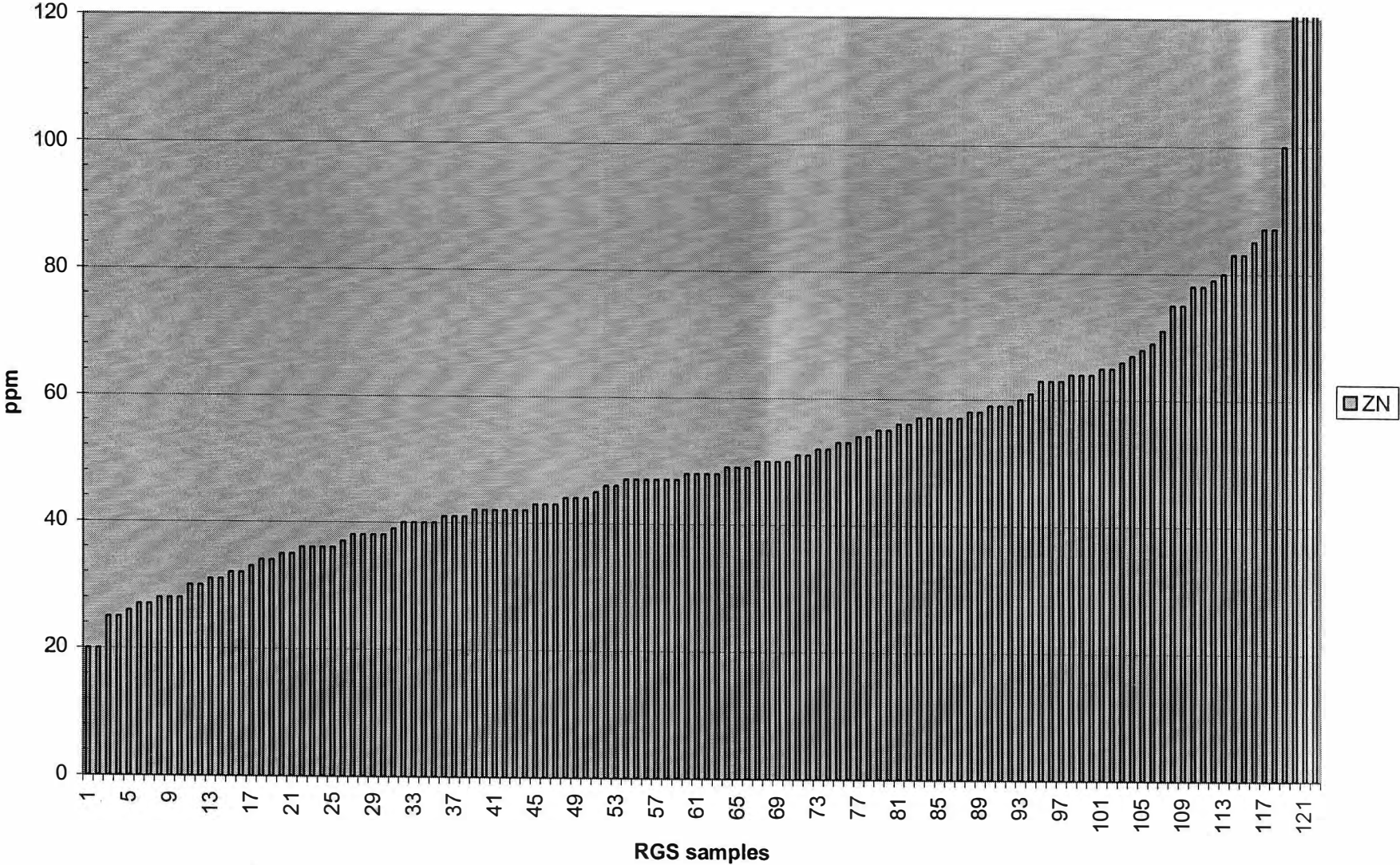
Vanadium (Snafu area)



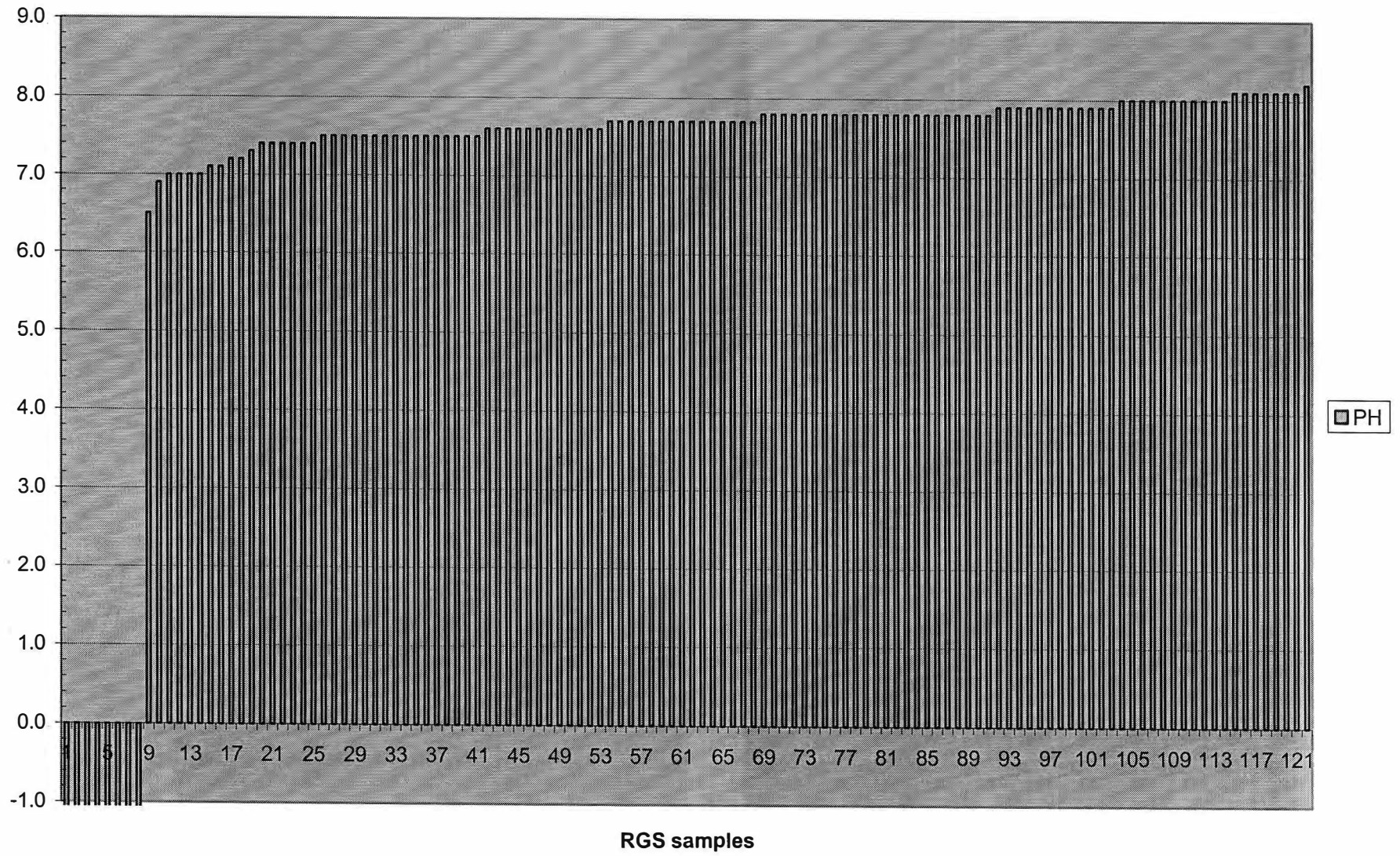
Tungsten (Snafu area)



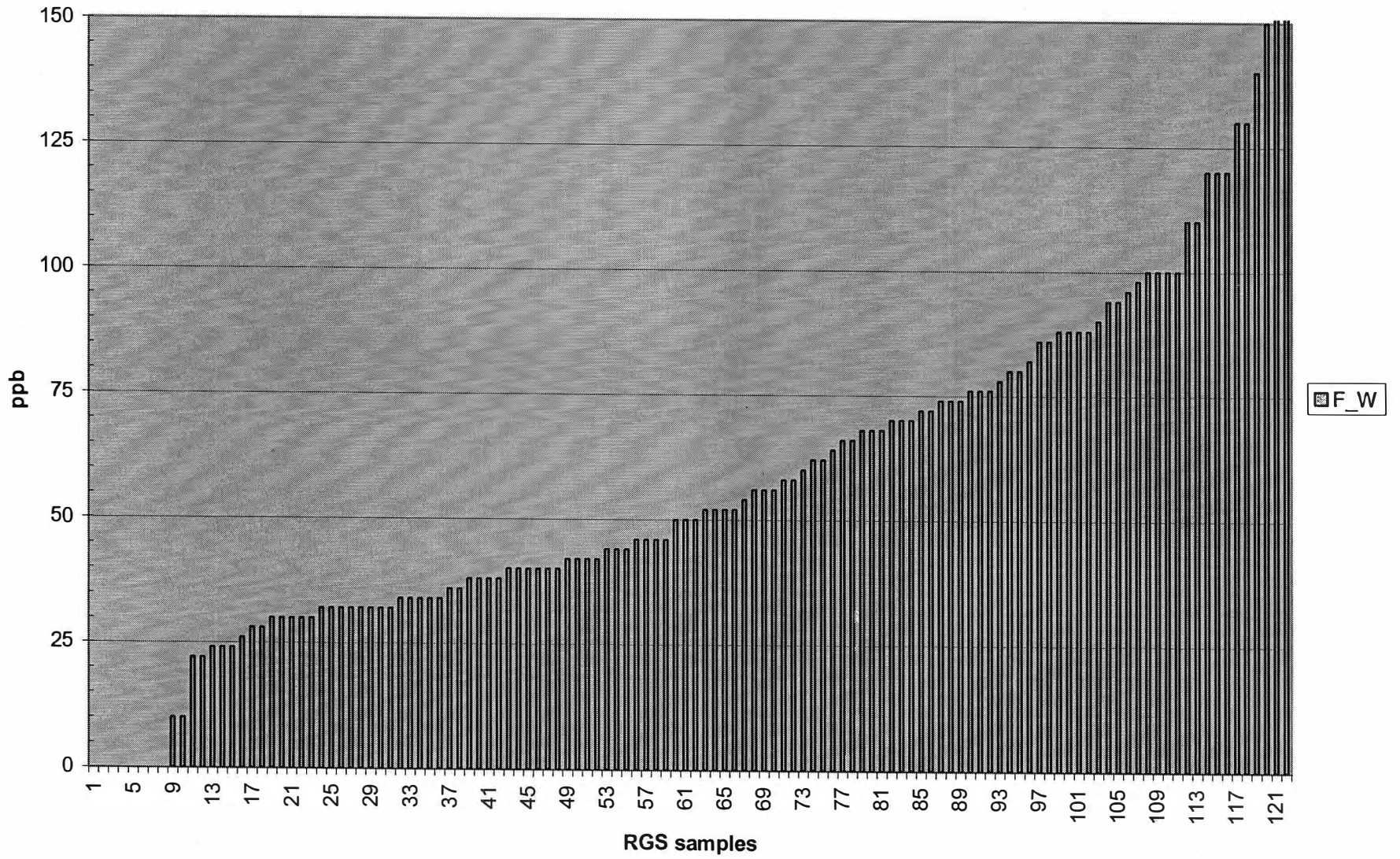
Zinc (Snafu area)



pH (Snafu area)



Fluorine-in-water (Snafu area)



Uranium-in-water (Snafu area)

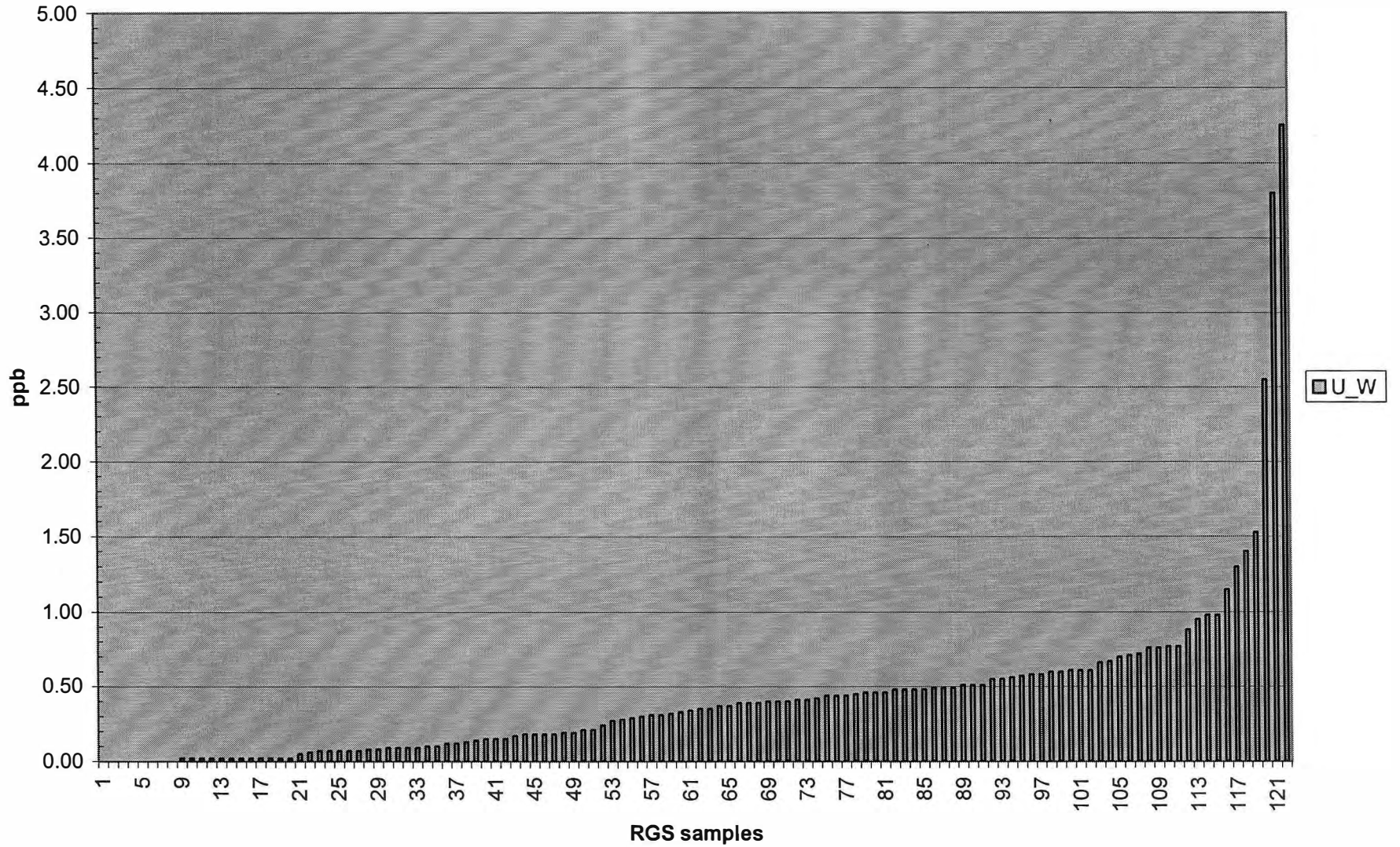


TABLE 1. Summary of Analytical Data and Methods

ELEMENT		DETECTION LEVEL		METHOD
SEDIMENTS:				
Ag	Silver	0.2	ppm	AAS
As	Arsenic	0.5	ppm	INAA
Au	Gold	2	ppb	INAA
AuWt	Sample Weight	0.01	g	-
Ba	Barium	50	ppm	INAA
Br	Bromine	0.5	ppm	INAA
Cd	Cadmium	0.2	ppm	AAS
Ce	Cerium	5	ppm	INAA
Co	Cobalt	2	ppm	AAS
Co	Cobalt	5	ppm	INAA
Cr	Chromium	20	ppm	INAA
Cs	Cesium	0.5	ppm	INAA
Cu	Copper	2	ppm	AAS
Eu	Europium	1	ppm	INAA
F	Fluorine	40	ppm	ISE
Fe	Iron	0.02	pct	AAS
Fe	Iron	0.2	pct	INAA
Hf	Hafnium	1	ppm	INAA
Hg	Mercury	5	ppb	CV-AAS
La	Lanthanum	2	ppm	INAA
LOI	Loss-on-ignition	1.0	pct	GRAV
Lu	Lutetium	0.2	ppm	INAA
Mn	Manganese	5	ppm	AAS
Mo	Molybdenum	2	ppm	AAS
Na	Sodium	0.02	pct	INAA
Ni	Nickel	2	ppm	AAS
Pb	Lead	2	ppm	AAS
Rb	Rubidium	5	ppm	INAA
Sb	Antimony	0.1	ppm	INAA
Sc	Scandium	0.2	ppm	INAA
Sm	Samarium	0.1	ppm	INAA
Sn	Tin	1	ppm	FUS
Ta	Tantalum	0.5	ppm	INAA
Tb	Terbium	0.5	ppm	INAA
Th	Thorium	0.2	ppm	INAA
U	Uranium	0.2	ppm	INAA
V	Vanadium	5	ppm	AAS
W	Tungsten	1	ppm	INAA
Yb	Ytterbium	2	ppm	INAA
Zn	Zinc	2	ppm	AAS
WATERS:				
F-W	Fluoride	20	ppb	ISE
pH	Hydrogen ion activity	-	-	GCM
U-W	Uranium	0.05	ppb	LIF

AAS - atomic absorption spectrometry
 CV-AAS - cold vapour (flameless) atomic absorption spectrometry
 GCM - glass Calomel electrode and pH meter
 GRAV - gravimetry
 INAA - Instrumental Neutron Activation Analysis
 ISE - ion selective electrode
 LIF - laser-induced fluorescence
 FUS - NH₄I fusion