

prvek	Ar	prvek	Ar	prvek	Ar
Ag	107.8682	Cu	63.546	S	32.0675
As	74.9216	Fe	55.845	Sb	121.76
Bi	208.9804	Hg	200.59	Se	78.96
Cd	112.411	Mn	54.93805	Zn	65.38
Co	58.9332	Pb	207.2	Ni	58.6934

weight %

DataSet/Pc	Comment	Ag	S	Pb	Hg	Cd	Cu	Fe
13 / 1 .	HB bl 22	0.03	33.57	0.08	0.00	0.05	0.00	6.77
14 / 1 .	HB bl 22	0.00	33.29	0.00	0.06	0.02	0.00	6.61

hodnoty nad detekčním limitem

DataSet/Pc	Comment	M	32.0675	55.845	65.38	54.93805	total
13 / 1 .	HB bl 22		33.57	6.77	60.02	0.19	100.54
14 / 1 .	HB bl 22		33.29	6.61	60.19	0.20	100.30

n prvku

DataSet/Pc	Comment	S	Fe	Zn	Mn	suma prvku
13 / 1 .	HB bl 22	1.047	0.121	0.918	0.003	2.089
14 / 1 .	HB bl 22	1.038	0.118	0.921	0.004	2.081

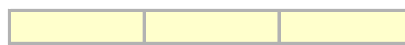
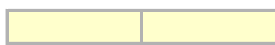
empirický vzorec normalizací na Σ prvku = 2

DataSet/Pc	Comment	S	Fe	Zn	Mn	R2+
13 / 1 .	HB bl 22	1.002	0.116	0.879	0.003	0.998
14 / 1 .	HB bl 22	0.998	0.114	0.885	0.003	1.002

empirický vzorec normalizací na S = 1

DataSet/Pc	Comment	S	Fe	Zn	Mn	R2+
13 / 1 .	HB bl 22	1.000	0.116	0.877	0.003	0.996
14 / 1 .	HB bl 22	1.000	0.114	0.887	0.004	1.004

Zn	Ni	Co	Mn	As	Se	Sb	Total
60.02	0.01	0.00	0.19	0.12	0.00	0.00	100.82
60.19	0.00	0.00	0.20	0.00	0.00	0.04	100.43



	2	1
1	koeficient normalizace	koeficient normalizace
	0.957203	0.955214
	0.96113	0.963162

detection limit ppm

Ag	S	Pb	Hg	Cd	Cu	Fe	Zn	Ni	
2412	551	1686	1112	1281	-1	360	472	340	
1	585	0	1449	1273	474	358	478	-1	

Co	Mn	As	Se	Sb	
	363	256	2291	0	0
	0	252	0	0	1552

prvek	Ar	prvek	Ar	prvek	Ar
Ag	107.8682	Cu	63.546	S	32.0675
As	74.9216	Fe	55.845	Sb	121.76
Bi	208.9804	Hg	200.59	Se	78.96
Cd	112.411	Mn	54.93805	Zn	65.38
Co	58.9332	Pb	207.2	Ni	58.6934

		Weight%							
DataSet/Pc	Comment	Ag	S	Pb	Hg	Cd	Cu	Fe	
11 / 1 .	HB bl 22		0	21.5	0.06	0	0.027	0	35.531
15 / 1 .	HB bl 22	0.01		21.39	0.00	0.00	0.00	0.00	35.73

hodnoty nad DL

			32.07						55.85
DataSet/Pc	Comment	Ag	S	Pb	Hg	Cd	Cu	Fe	
11 / 1 .	HB bl 22		0	21.5	0	0	0	0	35.531
15 / 1 .	HB bl 22		0	21.393	0	0	0	0	35.725

n prvku

DataSet/Pc	Comment	S	Fe	Ni	Mn	As	Sb	
11 / 1 .	HB bl 22	0.670461	0.636243	0.00259		0	0.570463	0
15 / 1 .	HB bl 22	0.667124	0.639717		0	0.000491	0.568367	0.001766

empirické vzorce

DataSet/Pc	Comment	S	Fe	Ni	Mn	As	Sb	
11 / 1 .	HB bl 22	1.070023	1.015413	0.004133		0	0.910431	0
15 / 1 .	HB bl 22	1.065997	1.022203		0	0.000785	0.908194	0.002822

Zn	Ni	Co	Mn	As	Se	Sb	Total	Det.Lim pp Ag
0.007	0.152	0.024	0.008	42.74	0	0.088	100.137	-1
0.00	0.01	0.00	0.03	42.58	0.00	0.22	99.95	2223

Zn	Ni	Co	Mn	As	Se	Sb	total
	58.69		54.94	74.92		121.76	
0	0.152	0	0	42.74	0	0	99.923
0	0	0	0.027	42.583	0	0.215	99.943

	3
suma	koef.
1.879757	1.59595
1.877466	1.5979

m
S

	Pb	Hg	Cd	Cu	Fe	Zn	Ni	Co	
	548	1743	0	1296	0	558	363	404	435
	527	0	0	-2	-1	560	0	398	0

Mn	As	Se	Sb
279	2813	0	1598
266	2863	0	1576

		tetraedrit A12D4X13		A=Cu, Fe, Zn, Hg,...			B=As,Sb		
Weight%		Ag	S	Pb	Hg	Bi	Cd	Cl	
DataSet/Pc	Comment								
1 / 1 .	D2	0.044	21.643		0	19.591	0.012	0.015	0.008
2 / 1 .	D2	0	22.282		0	18.481	0.039	0	0.006
11 / 1 .	D12	0.216	25.095		0	0.091	0	0	0.007
12 / 1 .	D12	0.27	25.312	0.025	0.065		0	0.039	0.006
16 / 1 .	D5	0.201	24.369		0	8.592	0.304	0	0.015
17 / 1 .	D5	0.232	24.366		0	8.483	0.425	0	0
18 / 1 .	D5	0.213	24.336		0	9.285	0.35	0	0.006
19 / 1 .	D5	0.17	24.301		0	8.982	0.362	0	0.006
26 / 1 .	D7	0.178	25.667		0	2.321	0.171	0	0.007
27 / 1 .	D7	0.23	25.743		0	2.242	0.185	0	0
28 / 1 .	D7	0.279	25.803		0	2.339	0.11	0	0
29 / 1 .	D7	0.194	25.679		0	2.411	0.153	0	0
30 / 1 .	D7	0.237	25.788		0	2.27	0.087	0	0.007
31 / 1 .	D13	0.123	24.813		0	5.963	1.159	0	0.005
32 / 1 .	D13	0.103	25.035		0	5.529	0.94	0.002	0.014
79 / 1 .	D22	0.441	23.147		0	11.984	0	0	0
80 / 1 .	D22	0.375	22.938		0	12.892	0.062	0	0.013
90 / 1 .	D24	0.267	22.995		0	15.086	0	0	0
91 / 1 .	D24	0.235	22.79		0	15.488	0	0	0

nad DL

		107.8682	32.0675	207.2	200.59	208.9804	112.411	35.45	
Weight%		Ag	S	Pb	Hg	Bi	Cd	Cl	
DataSet/Pc	Comment								
1 / 1 .	D2	0	21.643		0	19.591	0	0	0
2 / 1 .	D2	0	22.282		0	18.481	0	0	0
11 / 1 .	D12	0.216	25.095		0	0	0	0	0
12 / 1 .	D12	0.27	25.312	0.025	0		0	0.039	0
16 / 1 .	D5	0.201	24.369		0	8.592	0.304	0	0
17 / 1 .	D5	0.232	24.366		0	8.483	0.425	0	0
18 / 1 .	D5	0.213	24.336		0	9.285	0.35	0	0
19 / 1 .	D5	0.17	24.301		0	8.982	0.362	0	0
26 / 1 .	D7	0.178	25.667		0	2.321	0.171	0	0
27 / 1 .	D7	0.23	25.743		0	2.242	0.185	0	0
28 / 1 .	D7	0.279	25.803		0	2.339	0	0	0
29 / 1 .	D7	0.194	25.679		0	2.411	0.153	0	0
30 / 1 .	D7	0.237	25.788		0	2.27	0	0	0
31 / 1 .	D13	0	24.813		0	5.963	1.159	0	0
32 / 1 .	D13	0	25.035		0	5.529	0.94	0.002	0.014
79 / 1 .	D22	0.441	23.147		0	11.984	0	0	0
80 / 1 .	D22	0.375	22.938		0	12.892	0.062	0	0
90 / 1 .	D24	0.267	22.995		0	15.086	0	0	0
91 / 1 .	D24	0.235	22.79		0	15.488	0	0	0

n prvku

		Ag	S	Pb	Hg	Bi	Cd	Cl	
DataSet/Pc	Comment								
1 / 1 .	D2	0	0.67492		0	0.097667	0	0	0
2 / 1 .	D2	0	0.694847		0	0.092133	0	0	0
11 / 1 .	D12	0.002002	0.782568		0	0	0	0	0
12 / 1 .	D12	0.002503	0.789335	0.000121	0		0	0.000347	0
16 / 1 .	D5	0.001863	0.759928		0	0.042834	0.001455	0	0
17 / 1 .	D5	0.002151	0.759835		0	0.04229	0.002034	0	0
18 / 1 .	D5	0.001975	0.758899		0	0.046288	0.001675	0	0
19 / 1 .	D5	0.001576	0.757808		0	0.044778	0.001732	0	0

26 / 1 .	D7	0.00165	0.800405	0	0.011571	0.000818	0	0
27 / 1 .	D7	0.002132	0.802775	0	0.011177	0.000885	0	0
28 / 1 .	D7	0.002586	0.804646	0	0.011661	0	0	0
29 / 1 .	D7	0.001798	0.80078	0	0.01202	0.000732	0	0
30 / 1 .	D7	0.002197	0.804179	0	0.011317	0	0	0
31 / 1 .	D13	0	0.773774	0	0.029727	0.005546	0	0
32 / 1 .	D13	0	0.780697	0	0.027564	0.004498	1.78E-05	0.000395
79 / 1 .	D22	0.004088	0.721821	0	0.059744	0	0	0
80 / 1 .	D22	0.003476	0.715304	0	0.06427	0.000297	0	0
90 / 1 .	D24	0.002475	0.717081	0	0.075208	0	0	0
91 / 1 .	D24	0.002179	0.710688	0	0.077212	0	0	0

vzorce

DataSet/Pc	Comment	Ag	S	Pb	Hg	Bi	Cd	Cl
1 / 1 .	D2	0.000	13.000	0.000	1.881	0.000	0.000	0.000
2 / 1 .	D2	0.000	12.851	0.000	1.704	0.000	0.000	0.000
11 / 1 .	D12	0.033	12.945	0.000	0.000	0.000	0.000	0.000
12 / 1 .	D12	0.041	12.882	0.002	0.000	0.000	0.006	0.000
16 / 1 .	D5	0.032	13.143	0.000	0.741	0.025	0.000	0.000
17 / 1 .	D5	0.037	13.117	0.000	0.730	0.035	0.000	0.000
18 / 1 .	D5	0.034	13.136	0.000	0.801	0.029	0.000	0.000
19 / 1 .	D5	0.027	13.136	0.000	0.776	0.030	0.000	0.000
26 / 1 .	D7	0.027	12.938	0.000	0.187	0.013	0.000	0.000
27 / 1 .	D7	0.034	12.968	0.000	0.181	0.014	0.000	0.000
28 / 1 .	D7	0.042	12.961	0.000	0.188	0.000	0.000	0.000
29 / 1 .	D7	0.029	12.968	0.000	0.195	0.012	0.000	0.000
30 / 1 .	D7	0.036	13.039	0.000	0.183	0.000	0.000	0.000
31 / 1 .	D13	0.000	12.976	0.000	0.499	0.093	0.000	0.000
32 / 1 .	D13	0.000	12.922	0.000	0.456	0.074	0.000	0.007
79 / 1 .	D22	0.072	12.796	0.000	1.059	0.000	0.000	0.000
80 / 1 .	D22	0.062	12.797	0.000	1.150	0.005	0.000	0.000
90 / 1 .	D24	0.044	12.823	0.000	1.345	0.000	0.000	0.000
91 / 1 .	D24	0.040	12.886	0.000	1.400	0.000	0.000	0.000

X=S, Se

Cu	Fe	Zn	Ni	Co	Mn	As	Se	Sb
33.036	0.045	0.3	0	0.012	0	0.443	0	24.576
34.282	0.267	0.817	0.001	0.031	0	4.672	0	18.668
38.119	0.546	7.483	0	0	0.008	0.78	0	28.092
38.56	0.756	7.297	0	0	0.001	2.855	0	25.252
37.664	3.091	0.18	0.001	0	0	3.401	0	22.254
37.587	3.089	0.172	0	0	0	3.76	0	22.004
37.573	2.876	0.157	0	0.009	0	3.977	0.014	21.452
37.472	2.899	0.279	0	0	0	3.398	0.013	22.367
40.776	4.657	0.204	0.006	0.001	0.003	6.144	0.014	20.159
40.693	4.586	0.214	0	0.012	0	6.017	0	20.721
40.856	4.648	0.173	0	0.011	0	6.432	0.036	20.018
40.693	4.554	0.15	0.012	0.001	0	6.052	0	20.514
40.629	4.518	0.158	0	0.019	0	5.965	0.008	20.823
38.349	3.423	1.177	0.004	0.008	0	5.036	0.003	20.555
38.852	3.706	1.123	0.005	0.001	0.001	6.645	0	18.368
35.633	1.514	1.373	0	0.027	0	2.815	0.004	23.411
35.295	1.338	1.277	0.003	0.017	0	2.609	0.022	23.436
35.339	0.635	1.642	0.002	0.01	0.002	6.364	0.022	16.986
34.649	0.483	1.554	0.003	0.017	0	5.936	0	17.788

Cu	Fe	Zn	Ni	Co	Mn	As	Se	Sb
63.546	55.845	65.38	58.6934	58.9332	54.93805	74.9216	78.96	121.76
33.036	0.045	0.3	0	0	0	0.443	0	24.576
34.282	0.267	0.817	0.001	0.031	0	4.672	0	18.668
38.119	0.546	7.483	0	0	0	0.78	0	28.092
38.56	0.756	7.297	0	0	0	2.855	0	25.252
37.664	3.091	0.18	0	0	0	3.401	0	22.254
37.587	3.089	0.172	0	0	0	3.76	0	22.004
37.573	2.876	0.157	0	0	0	3.977	0	21.452
37.472	2.899	0.279	0	0	0	3.398	0.013	22.367
40.776	4.657	0.204	0	0	0	6.144	0	20.159
40.693	4.586	0.214	0	0	0	6.017	0	20.721
40.856	4.648	0.173	0	0	0	6.432	0	20.018
40.693	4.554	0.15	0	0	0	6.052	0	20.514
40.629	4.518	0.158	0	0	0	5.965	0	20.823
38.349	3.423	1.177	0	0	0	5.036	0	20.555
38.852	3.706	1.123	0.005	0.001	0.001	6.645	0	18.368
35.633	1.514	1.373	0	0	0	2.815	0	23.411
35.295	1.338	1.277	0.003	0	0	2.609	0.022	23.436
35.339	0.635	1.642	0	0	0	6.364	0	16.986
34.649	0.483	1.554	0.003	0	0	5.936	0	17.788

Cu	Fe	Zn	Ni	Co	Mn	As	Se	Sb
0.519875	0.000806	0.004589	0	0	0	0.005913	0	0.20184
0.539483	0.004781	0.012496	1.7E-05	0.000526	0	0.062359	0	0.153318
0.599865	0.009777	0.114454	0	0	0	0.010411	0	0.230716
0.606805	0.013537	0.111609	0	0	0	0.038107	0	0.207392
0.592704	0.05535	0.002753	0	0	0	0.045394	0	0.182769
0.591493	0.055314	0.002631	0	0	0	0.050186	0	0.180716
0.591272	0.0515	0.002401	0	0	0	0.053082	0	0.176183
0.589683	0.051912	0.004267	0	0	0	0.045354	0.000165	0.183697

0.641677	0.083392	0.00312	0	0	0	0.082006	0	0.165563
0.640371	0.08212	0.003273	0	0	0	0.080311	0	0.170179
0.642936	0.08323	0.002646	0	0	0	0.08585	0	0.164405
0.640371	0.081547	0.002294	0	0	0	0.080778	0	0.168479
0.639364	0.080902	0.002417	0	0	0	0.079617	0	0.171017
0.603484	0.061295	0.018002	0	0	0	0.067217	0	0.168816
0.6114	0.066362	0.017177	8.52E-05	1.7E-05	1.82E-05	0.088693	0	0.150854
0.560743	0.027111	0.021	0	0	0	0.037573	0	0.192272
0.555424	0.023959	0.019532	5.11E-05	0	0	0.034823	0.000279	0.192477
0.556117	0.011371	0.025115	0	0	0	0.084942	0	0.139504
0.545259	0.008649	0.023769	5.11E-05	0	0	0.079229	0	0.146091

Cu	Fe	Zn	Ni	Co	Mn	As	Se	Sb
10.013	0.016	0.088	0.000	0.000	0.000	0.114	0.000	3.888
9.978	0.088	0.231	0.000	0.010	0.000	1.153	0.000	2.836
9.923	0.162	1.893	0.000	0.000	0.000	0.172	0.000	3.817
9.903	0.221	1.821	0.000	0.000	0.000	0.622	0.000	3.385
10.251	0.957	0.048	0.000	0.000	0.000	0.785	0.000	3.161
10.211	0.955	0.045	0.000	0.000	0.000	0.866	0.000	3.120
10.234	0.891	0.042	0.000	0.000	0.000	0.919	0.000	3.050
10.222	0.900	0.074	0.000	0.000	0.000	0.786	0.003	3.184
10.373	1.348	0.050	0.000	0.000	0.000	1.326	0.000	2.676
10.345	1.327	0.053	0.000	0.000	0.000	1.297	0.000	2.749
10.356	1.341	0.043	0.000	0.000	0.000	1.383	0.000	2.648
10.370	1.321	0.037	0.000	0.000	0.000	1.308	0.000	2.728
10.366	1.312	0.039	0.000	0.000	0.000	1.291	0.000	2.773
10.120	1.028	0.302	0.000	0.000	0.000	1.127	0.000	2.831
10.120	1.098	0.284	0.001	0.000	0.000	1.468	0.000	2.497
9.941	0.481	0.372	0.000	0.000	0.000	0.666	0.000	3.409
9.937	0.429	0.349	0.001	0.000	0.000	0.623	0.005	3.444
9.945	0.203	0.449	0.000	0.000	0.000	1.519	0.000	2.495
9.886	0.157	0.431	0.001	0.000	0.000	1.437	0.000	2.649

Total	Det.Lim ppm Comment	Ag	S	Pb	Hg	Bi	Cd
99.724	D2	1726	336	0	1142	1684	1003
99.546	D1	1587	353	-7	1137	1563	1006
100.437	D12	1382	345	0	980	0	-1
100.437	D12	1505	341	0	1033	0	-28
100.074	D5	1582	327	0	1104	1636	0
100.12	D5	1533	362	-1	1058	1550	0
100.249	D5	1582	346	-1	1077	1619	0
100.247	D6	1559	351	0	1057	1569	0
100.31	D7	1489	357	0	1001	1527	-1
100.644	D7	1475	345	0	991	1515	-1
100.705	D7	1430	334	0	995	1519	-1
100.414	D7	1474	347	0	985	1506	0
100.509	D7	1463	343	0	992	1610	0
100.616	D13	1560	346	0	1101	1598	0
100.323	D21	1569	335	0	1007	1484	-1
100.35	D22	1486	335	1230	1117	-1	0
100.276	D24	1797	363	0	1163	0	0
99.349	D24	1794	353	0	1156	-32	0
98.941	D24	1640	348	0	1121	-2	-1

Total	Ag	Cu	S
99.634	As	Fe	Sb
99.501	Bi	Hg	Se
100.331	Cd	Mn	Zn
100.366	Co	Pb	Ni
100.056			
100.118			
100.219			
100.243			
100.277			
100.631			
100.548			
100.4			
100.388			
100.475			
100.221			
100.318			
100.247			
99.314			
98.926			

16

suma ABCD	koef.
0.830689	19.26112
0.865113	18.49469
0.967225	16.54217
0.98042	16.31954
0.925122	17.29501
0.926814	17.26344
0.924376	17.30897
0.923	17.33479

0.989797	16.16493
0.990448	16.1543
0.993314	16.10769
0.988019	16.19402
0.98683	16.21354
0.954087	16.76996
0.966685	16.55141
0.902531	17.72793
0.89431	17.89088
0.894732	17.88245
0.882438	18.13158

Ag	A Cu		B Cu	
	0.000	6.013	<i>6.013</i>	4
	0.000	5.978	<i>5.978</i>	4
	0.033	5.923	<i>5.956</i>	4
	0.041	5.903	<i>5.944</i>	4
	0.032	6.251	<i>6.283</i>	4
	0.037	6.211	<i>6.248</i>	4
	0.034	6.234	<i>6.268</i>	4
	0.027	6.222	<i>6.249</i>	4
	0.027	6.373	<i>6.399</i>	4
	0.034	6.345	<i>6.379</i>	4
	0.042	6.356	<i>6.398</i>	4
	0.029	6.370	<i>6.399</i>	4
	0.036	6.366	<i>6.402</i>	4
	0.000	6.120	<i>6.120</i>	4
	0.000	6.120	<i>6.120</i>	4
	0.072	5.941	<i>6.013</i>	4
	0.062	5.937	<i>5.999</i>	4
	0.044	5.945	<i>5.989</i>	4
	0.040	5.886	<i>5.926</i>	4

Cl	Cu	Fe	Zn	Ni	Co	Mn	As	Se	
190	416	278	316	0	295	0	1814	-1	
191	403	272	307	-2	286	-1696	1831	804	
174	407	263	312	-1	0	193	1968	0	
179	408	256	308	-1	-1	192	1937	0	
178	408	276	302	300	-3	-7	1846	0	
0	413	275	305	0	-4	-2	1868	-1	
184	405	281	311	-4	280	-2	1884	832	
188	404	268	303	0	-2	207	1864	-3	
178	400	270	302	289	274	194	2017	850	
-1	399	279	299	-2	269	-1	1951	-1	
-1	400	275	300	0	264	0	1958	858	
-1	406	281	304	295	283	0	1928	0	
180	402	275	300	-2	271	0	1940	858	
187	408	277	307	297	279	-1	1949	860	
0	411	286	307	0	0	-2	1954	-1	
0	408	276	313	-1	279	0	1865	846	
193	408	271	310	-2	285	0	1743	-1	
-1	407	266	310	306	280	216	1860	845	
195	405	269	305	0	280	-1	1855	0	

Fe	Zn	C Hg	Ni+Co+Mn	As	D Sb	S	Y _H	
0.016	0.088	1.881	0.000	1.985	0.114	3.888	4.002	13.000
0.088	0.231	1.704	0.010	2.034	1.153	2.836	3.989	12.851
0.162	1.893	0.000	0.000	2.055	0.172	3.817	3.989	12.945
0.221	1.821	0.000	0.008	2.050	0.622	3.385	4.006	12.882
0.957	0.048	0.741	0.000	1.746	0.785	3.161	3.946	13.143
0.955	0.045	0.730	0.000	1.730	0.866	3.120	3.986	13.117
0.891	0.042	0.801	0.000	1.734	0.919	3.050	3.968	13.136
0.900	0.074	0.776	0.000	1.750	0.786	3.184	3.971	13.136
1.348	0.050	0.187	0.000	1.585	1.326	2.676	4.002	12.938
1.327	0.053	0.181	0.000	1.560	1.297	2.749	4.046	12.968
1.341	0.043	0.188	0.000	1.571	1.383	2.648	4.031	12.961
1.321	0.037	0.195	0.000	1.552	1.308	2.728	4.036	12.968
1.312	0.039	0.183	0.000	1.534	1.291	2.773	4.064	13.039
1.028	0.302	0.499	0.000	1.828	1.127	2.831	3.958	12.976
1.098	0.284	0.456	0.002	1.841	1.468	2.497	3.965	12.922
0.481	0.372	1.059	0.000	1.912	0.666	3.409	4.075	12.796
0.429	0.349	1.150	0.001	1.929	0.623	3.444	4.067	12.797
0.203	0.449	1.345	0.000	1.997	1.519	2.495	4.014	12.823
0.157	0.431	1.400	0.001	1.989	1.437	2.649	4.085	12.886

Sb	Date
1324	#####
1270	#####
1212	#####
1193	#####
1232	#####
1256	#####
1242	#####
1216	#####
1233	#####
1201	#####
1234	#####
1270	#####
1217	#####
1266	#####
1250	#####
1302	#####
1340	#####
1296	#####
1292	#####

