NEUTRON ACTIVATION ANALYSES OF THE POTTERY FROM TROY
IN THE BERLIN SCHLIEMANN COLLECTION

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APPENDIX

to this paper published in Archäologischer Anzeiger:

Data Lists:
Concentration data of single samples and average values of the groups formed

REFERENCE: (concerning the new calibration of the Berkeley pottery standard for Cr and Yb)

J. F. Strange, D. E. Groh, Th. R. Longstaff, with D. Adan-Bayewitz, F. Asaro, I. Perlman and H. V. Michel, Excavations at Sepphoris: The location and identification of Shikhin, Part II, Israel Exploration Journal 45 (1995) 171–187

Table 1: Concentration data of the 20 (+ 5 associated) members of group **A-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
(Troja 1-	0.940	214.	343.	11.3	63.3	34.5	245.)
(Troja 1w-	0.940	210.	203.	11.5	60.6	34.0	231.)
Troja 7	0.968	34.2	531.	13.3	63.1	24.5	182.
Troja 9	1.015	128.	608.	14.6	64.4	27.1	234.
(Troja 65-	0.970	105.	656.	10.1	61.5	26.7	281.)
(Troja 66-	1.000	109.	706.	9.02	62.2	29.5	429.)
Troja 69	1.002	38.1	497.	8.69	60.4	26.5	338.
Troja 70	0.963	67.4	562.	9.68	61.4	29.4	210.
Troja 71	0.974	90.5	448.	8.15	63.0	27.8	230.
Troja 74	0.946	52.4	496.	7.75	62.8	25.3	191.
Troja 75	0.925	48.1	619.	8.25	63.4	34.5	232.
Troja 76	0.996	67.3	512.	11.0	61.5	26.8	216.
Troja 77	1.012	79.0	776.	10.5	61.7	25.7	217.
Troja 78	0.965	29.0	380.	10.6	61.1	29.6	205.
Troja 79	1.035	46.9	392.	11.4	60.4	29.9	236.
Troja 80	1.020	42.6	612.	9.43	61.5	28.3	207.
Troja 81	1.027	12.2	847.	8.88	63.1	26.3	231.
Troja 82	0.956	83.6	511.	8.40	63.2	27.3	203.
Troja 83	1.180	167.	1226.	14.9	62.6	26.3	207.
(Troja 93-	0.910	58.6	644.	4.30	61.3	29.0	208.)
Troja 99	0.969	338.	789.	9.82	61.4	28.8	224.
Troja 105	0.962	74.4	454.	8.32	63.1	28.2	200.
Troja 106	1.107	145.	560.	10.4	60.6	31.2	258.
Troja 107	0.999	39.8	459.	10.8	60.7	30.1	206.
Troja 134	0.955	65.4	685.	8.79	61.5	29.0	240.
ave. meas. error		0.22	63.	0.23	0.47	0.15	1.2
in %		0.3	11.	2.3	0.8	0.5	0.5
ave. value M		82.	596.	10.	62.	28.	223.
spread		72.	191.	2.1	1.2	2.3	33.
in %		87.	32.	20.	1.9	8.2	15.

Table 1ff.: Concentration data of the 20 (+ 5 associated) members of group **A-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
(Troja 1-	0.940	16.3	1.09	4.51	19.8	3.18	2.67)
(Troja 1w-	0.940	16.3	1.05	4.56	24.0	3.30	2.74)
Troja 7	0.968	9.50	1.15	4.67	19.6	3.68	2.50
Troja 9	1.015	8.45	1.08	5.17	17.1	3.80	2.56
(Troja 65-	0.970	10.7	1.06	5.20	16.5	3.04	2.70)
(Troja 66-	1.000	8.50	1.03	5.18	24.1	3.50	2.27)
Troja 69	1.002	8.43	1.06	5.30	20.7	3.74	2.84
Troja 70	0.963	9.17	1.13	5.16	21.7	3.42	2.87
Troja 71	0.974	9.87	1.09	5.26	23.7	3.41	2.78
Troja 74	0.946	8.05	1.14	5.03	14.9	3.89	2.62
Troja 75	0.925	8.77	1.18	5.02	26.6	3.52	2.58
Troja 76	0.996	9.36	1.18	5.03	18.7	3.62	2.59
Troja 77	1.012	8.74	1.15	4.93	19.7	3.74	2.97
Troja 78	0.965	9.50	1.15	5.06	19.0	3.43	2.52
Troja 79	1.035	9.96	1.12	5.08	24.2	3.24	2.51
Troja 80	1.020	8.41	1.12	5.09	26.9	3.64	2.49
Troja 81	1.027	9.24	1.10	5.04	21.9	3.97	1.93
Troja 82	0.956	8.60	1.14	5.21	17.5	3.56	2.57
Troja 83	1.180	7.98	1.22	5.01	8.66	3.57	2.49
(Troja 93-	0.910	13.0	1.18	5.14	15.0	4.02	2.38)
Troja 99	0.969	8.40	1.17	5.02	19.0	3.41	2.90
Troja 105	0.962	8.65	1.15	5.03	20.4	3.53	2.67
Troja 106	1.107	7.96	1.18	4.74	20.4	4.26	2.58
Troja 107	0.999	9.58	1.17	5.01	21.5	3.14	2.58
Troja 134	0.955	8.78	1.15	5.10	17.2	3.45	2.57
ave. meas. error		0.099	0.026	0.019	2.5	0.068	0.034
in %		1.1	2.3	0.4	13.	1.9	1.3
ave. value M		8.9	1.1	5.0	20.	3.6	2.6
spread		0.62	0.038	0.15	3.7	0.26	0.22
in %		6.9	3.3	2.9	19.	7.1	8.3

Table 1ff.: Concentration data of the 20 (+ 5 associated) members of group **A-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
(Troja 1-	0.940	28.7	0.40	0.39	25.2	299.	155.)
(Troja 1w-	0.940	29.6	0.40	0.40	23.8	297.	151.)
Troja 7	0.968	48.6	0.39	0.77	27.0	165.	147.
Troja 9	1.015	28.1	0.39	0.65	25.5	209.	160.
(Troja 65-	0.970	31.4	0.41	0.56	23.5	247.	152.)
(Troja 66-	1.000	30.1	0.46	0.72	19.0	276.	151.)
Troja 69	1.002	30.0	0.40	0.54	23.3	205.	152.
Troja 70	0.963	30.8	0.42	0.43	30.7	222.	168.
Troja 71	0.974	30.7	0.43	0.51	17.5	236.	160.
Troja 74	0.946	30.9	0.43	0.65	30.6	194.	152.
Troja 75	0.925	30.7	0.39	0.62	28.8	243.	147.
Troja 76	0.996	31.1	0.46	0.49	24.4	228.	150.
Troja 77	1.012	30.3	0.45	0.66	23.6	202.	146.
Troja 78	0.965	31.6	0.43	0.41	22.6	215.	157.
Troja 79	1.035	31.1	0.43	0.46	18.6	286.	157.
Troja 80	1.020	30.1	0.45	0.51	22.1	232.	149.
Troja 81	1.027	30.8	0.40	1.00	22.0	223.	139.
Troja 82	0.956	31.2	0.45	0.51	24.9	199.	152.
Troja 83	1.180	31.0	0.44	0.59	27.2	206.	136.
(Troja 93-	0.910	28.4	0.40	0.88	27.6	196.	131.)
Troja 99	0.969	31.3	0.41	0.53	30.8	295.	158.
Troja 105	0.962	31.4	0.43	0.53	22.8	195.	156.
Troja 106	1.107	29.8	0.42	0.76	24.8	228.	139.
Troja 107	0.999	31.7	0.42	0.42	23.6	232.	155.
Troja 134	0.955	31.4	0.42	0.56	24.7	213.	159.
ave. meas. error		0.084	0.016	0.005	2.8	11.	2.6
in %		0.3	3.8	0.8	11.	5.1	1.7
ave. value M		32.	0.42	0.58	25.	221.	152.
spread		4.1	0.018	0.14	3.0	30.	8.2
in %		13.	4.3	25.	12.	14.	5.4

Table 1ff.: Concentration data of the 20 (+ 5 associated) members of group **A-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
(Troja 1-	0.940	2.38	19.7	4.73	0.81	0.61	9.90)
(Troja 1w-	0.940	2.31	19.8	4.44	0.84	0.74	10.0)
Troja 7	0.968	1.21	19.3	5.03	0.79	0.65	10.5
Troja 9	1.015	2.06	20.9	4.78	0.86	0.63	10.9
(Troja 65-	0.970	7.25	20.9	4.78	0.75	0.62	10.8)
(Troja 66-	1.000	1.49	22.2	3.97	0.76	0.55	10.5)
Troja 69	1.002	1.03	21.0	4.62	0.76	0.63	10.9
Troja 70	0.963	3.98	21.6	4.54	0.75	0.71	10.8
Troja 71	0.974	1.45	21.6	4.33	0.78	0.69	10.9
Troja 74	0.946	1.54	20.2	4.89	0.78	0.69	10.8
Troja 75	0.925	1.04	20.5	3.82	0.77	0.66	11.0
Troja 76	0.996	1.08	21.1	4.16	0.76	0.70	10.8
Troja 77	1.012	1.02	20.1	4.48	0.77	0.68	10.7
Troja 78	0.965	0.85	21.3	4.27	0.76	0.69	10.8
Troja 79	1.035	1.16	21.2	4.11	0.74	0.74	10.8
Troja 80	1.020	1.29	19.8	4.59	0.79	0.74	10.9
Troja 81	1.027	1.18	20.2	4.27	0.83	0.67	11.1
Troja 82	0.956	3.81	20.8	4.70	0.78	0.62	11.1
Troja 83	1.180	5.24	19.7	4.67	0.72	0.74	10.7
(Troja 93-	0.910	5.76	20.9	5.13	0.71	0.64	11.1)
Troja 99	0.969	1.96	20.6	5.06	0.75	0.66	10.8
Troja 105	0.962	3.62	20.9	4.25	0.78	0.73	10.9
Troja 106	1.107	4.26	19.9	4.22	0.77	0.72	10.4
Troja 107	0.999	0.79	21.2	3.86	0.79	0.83	10.7
Troja 134	0.955	1.04	21.3	4.97	0.74	0.63	10.6
ave. meas. error		0.087	0.027	0.035	0.026	0.043	0.064
in %		4.4	0.1	0.8	3.4	6.3	0.6
ave. value M		2.0	21.	4.5	0.78	0.68	11.
spread		1.4	0.66	0.37	0.033	0.048	0.19
in %		69.	3.2	8.2	4.3	7.0	1.7

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Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
(Troja 1-	0.940	0.43	2.16	1.51	2.44	–	170.)
(Troja 1w-	0.940	0.44	2.23	2.18	2.34	95.3	157.)
Troja 7	0.968	0.55	2.45	1.72	2.76	–	132.
Troja 9	1.015	0.47	2.57	1.77	2.57	–	192.
(Troja 65-	0.970	0.50	2.42	1.75	2.55	123.	137.)
(Troja 66-	1.000	0.45	1.99	1.47	2.51	116.	207.)
Troja 69	1.002	0.49	2.26	1.99	2.62	104.	211.
Troja 70	0.963	0.43	2.68	1.71	2.43	128.	156.
Troja 71	0.974	0.47	2.24	2.02	2.49	118.	120.
Troja 74	0.946	0.45	2.31	2.19	2.75	124.	157.
Troja 75	0.925	0.49	2.32	1.99	2.57	122.	153.
Troja 76	0.996	0.47	2.14	1.95	2.63	115.	172.
Troja 77	1.012	0.46	2.59	2.13	2.68	118.	164.
Troja 78	0.965	0.45	2.22	2.29	2.74	120.	144.
Troja 79	1.035	0.54	1.81	1.92	2.62	112.	153.
Troja 80	1.020	0.52	2.23	2.02	2.58	134.	140.
Troja 81	1.027	0.53	2.00	2.08	2.52	301.	181.
Troja 82	0.956	0.50	2.34	2.06	2.53	110.	191.
Troja 83	1.180	0.55	2.49	2.10	2.70	126.	132.
(Troja 93-	0.910	0.43	2.10	1.86	2.52	122.	189.)
Troja 99	0.969	0.39	2.55	2.03	2.48	119.	150.
Troja 105	0.962	0.42	2.08	2.22	2.74	119.	197.
Troja 106	1.107	0.43	1.93	2.06	2.63	103.	257.
Troja 107	0.999	0.42	1.97	2.22	2.83	116.	122.
Troja 134	0.955	0.54	2.23	2.38	2.65	95.5	154.
ave. meas. error		0.022	0.13	0.14	0.052	2.6	27.
in %		4.5	5.6	6.9	2.0	2.0	17.
ave. value M		0.48	2.3	2.0	2.6	127.	165.
spread		0.047	0.24	0.17	0.11	44.	33.
in %		10.0	10.	8.5	4.1	35.	20.

Table 1ff.: Concentration data of the 28 (+ 5 associated) members of group **B-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
(Troja 10-	1.050	61.1	712.	5.98	67.7	22.3	222.)
(Troja 10w-	1.030	59.4	534.	7.15	65.6	22.8	203.)
Troja 12	1.028	79.5	803.	8.25	76.1	22.1	–
Troja 12w	1.067	82.0	712.	8.36	74.1	21.5	154.
Troja 18	0.942	17.4	765.	3.63	74.6	19.8	–
(Troja 22-	0.890	54.3	1573.	1.58	73.7	20.8	165.)
(Troja 22w-	0.890	52.9	1263.	7.98	72.3	20.9	167.)
Troja 23	1.118	21.2	653.	8.07	65.2	19.9	156.
Troja 25	0.974	16.7	728.	4.54	81.2	24.7	178.
Troja 41	0.868	35.7	581.	2.74	66.9	25.9	137.
Troja 46	0.907	20.5	720.	3.24	71.9	23.7	176.
Troja 47	0.916	35.6	833.	4.58	76.3	24.9	164.
Troja 47w	0.924	35.0	762.	3.59	75.9	24.5	162.
Troja 49	1.015	32.0	506.	4.70	68.3	20.9	160.
(Troja 50-	0.950	30.8	552.	2.65	57.1	25.0	200.)
Troja 53	0.978	112.	603.	5.72	68.5	20.5	157.
Troja 56	0.956	35.2	780.	4.29	74.4	25.8	205.
Troja 57	0.951	31.2	916.	2.96	78.9	23.0	197.
Troja 62	1.207	15.7	822.	4.57	68.3	18.3	215.
Troja 68	1.098	57.5	800.	3.82	70.9	20.4	157.
Troja 73	1.107	69.8	701.	6.80	67.8	21.0	179.
Troja 85	1.007	364.	959.	5.13	68.7	21.6	194.
Troja 94	0.981	201.	584.	6.24	69.5	22.9	193.
Troja 97	1.270	21.3	1259.	9.32	69.4	19.2	189.
Troja 98	1.029	128.	764.	4.79	70.2	22.0	179.
Troja 100	1.067	96.0	865.	6.46	70.5	20.5	171.
Troja 101	0.952	229.	594.	3.78	68.8	23.6	185.
Troja 109	1.072	64.1	740.	2.09	78.9	20.2	155.
Troja 110	0.936	19.7	1003.	3.95	75.1	24.9	163.
Troja 122	0.861	25.4	648.	1.76	78.8	23.1	185.
Troja 122w	0.870	25.3	616.	1.89	78.2	23.0	184.
Troja 128	0.997	75.3	536.	7.62	71.4	22.2	211.
Troja 129	1.004	197.	595.	5.97	64.3	21.4	178.
ave. meas. error		0.22	58.	0.39	0.61	0.13	1.0
in %		0.3	7.8	7.9	0.8	0.6	0.6
ave. value M		77.	740.	4.9	72.	22.	176.
spread		82.	154.	2.0	4.5	2.0	19.
in %		107.	21.	42.	6.3	9.2	11.

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Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
(Troja 10-	1.050	8.64	1.15	4.72	14.2	3.95	2.86)
(Troja 10w-	1.030	8.63	1.16	4.78	29.9	4.08	3.16)
Troja 12	1.028	8.93	1.29	4.44	18.7	4.74	2.57
Troja 12w	1.067	9.16	1.34	4.20	19.7	4.95	2.93
Troja 18	0.942	10.4	1.37	3.99	16.2	4.58	2.32
(Troja 22-	0.890	17.1	1.15	3.84	17.7	4.64	2.61)
(Troja 22w-	0.890	16.9	1.19	3.85	20.3	5.16	2.57)
Troja 23	1.118	10.7	1.17	4.37	19.0	4.64	3.66
Troja 25	0.974	9.49	1.32	4.20	12.9	5.54	2.08
Troja 41	0.868	11.2	1.30	4.77	17.0	3.87	3.05
Troja 46	0.907	9.01	1.40	4.30	15.9	5.68	1.98
Troja 47	0.916	10.1	1.42	4.26	18.4	4.93	2.20
Troja 47w	0.924	10.1	1.38	4.21	14.7	5.00	2.23
Troja 49	1.015	9.97	1.24	4.38	19.9	4.64	2.95
(Troja 50-	0.950	8.64	1.11	4.52	18.7	4.65	2.20)
Troja 53	0.978	10.8	1.18	4.29	18.6	5.28	2.94
Troja 56	0.956	9.34	1.36	4.34	14.2	5.49	2.16
Troja 57	0.951	9.56	1.35	4.34	15.1	5.63	2.45
Troja 62	1.207	8.42	1.25	3.81	16.1	6.49	3.37
Troja 68	1.098	10.4	1.22	4.49	17.9	4.64	3.41
Troja 73	1.107	8.77	1.26	4.50	20.4	4.77	2.85
Troja 85	1.007	8.19	1.24	4.04	15.4	6.45	2.87
Troja 94	0.981	7.65	1.30	4.37	20.0	5.47	2.47
Troja 97	1.270	8.39	1.23	4.25	13.2	4.99	3.61
Troja 98	1.029	9.24	1.24	4.45	16.9	5.37	2.97
Troja 100	1.067	8.91	1.26	4.51	16.9	5.10	2.95
Troja 101	0.952	8.54	1.29	4.47	18.3	5.36	2.42
Troja 109	1.072	9.47	1.45	3.91	13.4	4.42	3.08
Troja 110	0.936	10.7	1.35	4.35	14.5	4.34	2.54
Troja 122	0.861	10.6	1.35	4.25	12.9	5.57	2.15
Troja 122w	0.870	10.7	1.36	4.29	34.4	5.86	2.23
Troja 128	0.997	8.29	1.21	4.46	20.6	5.50	2.72
Troja 129	1.004	9.41	1.33	4.26	22.3	4.32	2.79
ave. meas. error		0.094	0.026	0.017	2.1	0.069	0.040
in %		1.0	2.0	0.4	12.	1.3	1.5
ave. value M		9.5	1.3	4.3	17.	5.1	2.7
spread		0.94	0.074	0.20	2.8	0.62	0.47
in %		9.9	5.6	4.6	16.	12.	17.

Table 1ff.: Concentration data of the 28 (+ 5 associated) members of group **B-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
(Troja 10-	1.050	30.3	0.38	0.75	26.4	172.	155.)
(Troja 10w-	1.030	32.3	0.39	0.75	27.2	158.	155.)
Troja 12	1.028	33.8	0.38	1.11	28.6	141.	136.
Troja 12w	1.067	36.3	0.41	1.17	28.5	136.	136.
Troja 18	0.942	34.1	0.38	1.18	28.3	109.	133.
(Troja 22-	0.890	32.9	0.38	1.04	28.2	158.	134.)
(Troja 22w-	0.890	33.1	0.41	0.99	20.6	153.	126.)
Troja 23	1.118	31.2	0.46	0.87	26.0	134.	156.
Troja 25	0.974	38.4	0.39	1.20	30.4	156.	108.
Troja 41	0.868	33.4	0.60	0.46	28.2	153.	127.
Troja 46	0.907	35.5	0.41	0.97	30.2	149.	104.
Troja 47	0.916	37.5	0.43	1.51	31.8	145.	111.
Troja 47w	0.924	37.4	0.39	1.61	31.3	139.	111.
Troja 49	1.015	33.9	0.43	0.94	25.3	129.	140.
(Troja 50-	0.950	28.1	1.22	0.67	24.9	201.	115.)
Troja 53	0.978	32.3	0.73	0.80	28.1	126.	137.
Troja 56	0.956	35.5	0.61	1.22	30.5	169.	109.
Troja 57	0.951	36.7	0.40	1.48	25.9	145.	120.
Troja 62	1.207	31.0	0.45	1.52	24.7	131.	124.
Troja 68	1.098	33.5	0.41	0.86	20.4	130.	158.
Troja 73	1.107	33.2	0.36	0.96	29.7	141.	138.
Troja 85	1.007	33.0	0.40	1.01	23.9	124.	134.
Troja 94	0.981	32.5	0.45	1.20	32.3	146.	121.
Troja 97	1.270	32.8	0.39	0.97	22.2	124.	151.
Troja 98	1.029	33.7	0.38	0.98	26.8	150.	143.
Troja 100	1.067	34.7	0.38	0.89	25.5	145.	145.
Troja 101	0.952	32.7	0.44	1.20	34.9	141.	121.
Troja 109	1.072	38.4	0.36	1.14	36.6	123.	130.
Troja 110	0.936	36.5	0.38	0.91	29.8	151.	121.
Troja 122	0.861	37.6	0.40	0.90	30.9	136.	114.
Troja 122w	0.870	37.9	0.40	0.94	22.6	138.	115.
Troja 128	0.997	32.9	0.38	0.86	27.2	227.	124.
Troja 129	1.004	31.0	0.44	1.07	26.1	136.	135.
ave. meas. error		0.087	0.019	0.007	2.6	9.8	2.4
in %		0.3	4.3	0.6	9.3	7.0	1.9
ave. value M		35.	0.43	1.1	28.	139.	129.
spread		2.3	0.082	0.25	3.0	15.	15.
in %		6.7	19.	23.	11.	11.	11.

Table 1ff.: Concentration data of the 28 (+ 5 associated) members of group **B-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
(Troja 10-	1.050	1.47	19.4	4.76	0.79	0.65	13.6)
(Troja 10w-	1.030	1.46	19.7	4.56	0.74	0.67	14.1)
Troja 12	1.028	2.50	16.2	5.38	0.84	0.69	16.6
Troja 12w	1.067	2.39	16.6	5.13	0.85	0.68	17.1
Troja 18	0.942	1.66	15.9	5.36	0.96	0.74	17.6
(Troja 22-	0.890	2.77	13.9	5.45	0.94	0.74	14.7)
(Troja 22w-	0.890	2.61	14.0	4.89	0.92	0.81	15.0)
Troja 23	1.118	1.45	18.8	4.94	0.76	0.68	14.6
Troja 25	0.974	2.22	15.9	5.65	0.98	0.74	18.4
Troja 41	0.868	2.13	17.7	5.51	0.77	0.75	15.6
Troja 46	0.907	2.07	15.9	5.61	0.94	0.77	22.1
Troja 47	0.916	3.53	15.7	5.85	0.94	0.79	17.2
Troja 47w	0.924	3.45	15.6	5.48	0.93	0.72	17.3
Troja 49	1.015	1.85	17.2	5.23	0.88	0.73	17.2
(Troja 50-	0.950	2.24	17.1	4.36	0.86	0.70	13.4)
Troja 53	0.978	2.66	17.6	5.22	0.85	0.68	16.0
Troja 56	0.956	2.17	16.2	5.70	0.95	0.75	16.6
Troja 57	0.951	2.43	16.0	5.75	0.90	0.70	18.1
Troja 62	1.207	1.25	16.2	4.93	0.93	0.75	13.4
Troja 68	1.098	2.63	18.2	4.14	0.95	0.69	16.7
Troja 73	1.107	11.8	17.5	4.92	0.76	0.73	15.4
Troja 85	1.007	2.60	16.5	4.74	0.84	0.71	15.0
Troja 94	0.981	1.59	17.1	5.30	0.81	0.84	13.7
Troja 97	1.270	1.16	17.5	4.67	0.93	0.67	15.2
Troja 98	1.029	2.17	17.3	5.06	0.83	0.72	15.6
Troja 100	1.067	2.06	17.6	5.10	0.75	0.76	15.3
Troja 101	0.952	2.55	18.1	5.42	0.85	0.75	13.9
Troja 109	1.072	1.66	15.7	5.62	0.94	0.76	18.5
Troja 110	0.936	1.95	16.5	5.54	0.88	0.79	18.4
Troja 122	0.861	3.10	16.3	5.13	0.95	0.78	18.0
Troja 122w	0.870	2.94	16.5	4.86	0.90	0.67	18.2
Troja 128	0.997	1.79	17.4	5.17	0.82	0.66	14.6
Troja 129	1.004	3.86	17.1	5.13	0.81	0.80	14.8
ave. meas. error		0.100	0.024	0.036	0.026	0.040	0.073
in %		3.8	0.1	0.7	3.0	5.4	0.4
ave. value M		2.6	17.	5.2	0.88	0.73	16.
spread		1.9	0.87	0.38	0.070	0.043	1.9
in %		72.	5.2	7.3	8.0	5.9	11.

Table 1ff.: Concentration data of the 28 (+ 5 associated) members of group **B-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
(Troja 10-	1.050	0.41	3.29	2.68	2.54	–	225.)
(Troja 10w-	1.030	0.31	2.84	2.80	2.39	99.1	217.)
Troja 12	1.028	0.44	3.76	2.94	2.50	–	211.
Troja 12w	1.067	0.34	3.90	2.88	2.51	91.1	251.
Troja 18	0.942	0.44	3.74	3.85	2.64	–	193.
(Troja 22-	0.890	0.40	2.46	2.34	2.79	–	212.)
(Troja 22w-	0.890	0.42	2.22	2.33	2.61	97.9	214.)
Troja 23	1.118	0.35	3.41	2.02	2.77	–	226.
Troja 25	0.974	0.46	3.40	2.75	2.83	–	181.
Troja 41	0.868	0.33	3.29	2.74	2.54	94.5	185.
Troja 46	0.907	0.37	3.83	2.72	2.71	93.5	284.
Troja 47	0.916	0.37	3.39	2.89	2.70	113.	245.
Troja 47w	0.924	0.65	3.06	3.47	2.74	120.	247.
Troja 49	1.015	0.41	3.46	2.28	2.49	95.6	247.
(Troja 50-	0.950	0.40	2.49	2.49	2.42	106.	230.)
Troja 53	0.978	0.35	3.35	1.97	2.38	101.	227.
Troja 56	0.956	0.36	3.02	2.69	2.62	101.	233.
Troja 57	0.951	0.36	3.37	2.88	2.65	99.9	261.
Troja 62	1.207	0.44	3.10	2.80	2.81	96.4	227.
Troja 68	1.098	0.44	3.30	2.70	2.59	103.	211.
Troja 73	1.107	0.46	3.52	2.44	2.46	122.	194.
Troja 85	1.007	0.38	4.08	2.12	2.73	93.9	285.
Troja 94	0.981	0.42	2.87	2.37	2.96	115.	296.
Troja 97	1.270	0.42	3.46	2.65	2.62	118.	252.
Troja 98	1.029	0.38	3.26	2.58	2.34	102.	255.
Troja 100	1.067	0.37	3.39	2.48	2.62	96.0	232.
Troja 101	0.952	0.43	3.15	2.50	2.86	113.	232.
Troja 109	1.072	0.39	3.18	2.71	2.59	186.	214.
Troja 110	0.936	0.38	3.14	3.05	2.78	126.	193.
Troja 122	0.861	0.43	3.16	3.18	2.76	94.0	251.
Troja 122w	0.870	0.41	2.97	3.67	2.69	98.1	270.
Troja 128	0.997	0.50	3.20	2.42	2.52	113.	232.
Troja 129	1.004	0.50	3.18	2.22	3.12	97.6	198.
ave. meas. error		0.027	0.13	0.16	0.061	2.2	25.
in %		6.7	3.8	5.8	2.3	2.0	11.
ave. value M		0.40	3.4	2.7	2.7	108.	234.
spread		0.049	0.28	0.44	0.17	20.	31.
in %		12.	8.4	16.	6.5	18.	13.

Table 1ff.: Concentration data of the 9 members of group **C-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troja 2	1.001	167.	701.	13.8	56.9	16.5	149.
Troja 6	0.936	329.	709.	13.4	55.9	14.9	152.
Troja 13	0.841	154.	441.	11.0	21.6	16.6	202.
Troja 86	1.052	34.9	802.	12.1	58.0	17.2	164.
Troja 88	1.007	26.4	1081.	10.1	56.6	17.3	173.
Troja 89	1.018	21.2	919.	11.2	57.3	17.2	176.
Troja 92	1.098	21.6	1320.	13.4	53.8	16.0	173.
Troja 95	0.962	90.9	1057.	12.3	59.4	14.5	152.
Troja 121	1.092	32.7	879.	11.2	54.4	15.6	212.
ave. meas. error		0.31	58.	0.20	0.41	0.11	1.1
in %		0.3	6.6	1.7	0.8	0.7	0.6
ave. value M		98.	871.	12.	53.	16.	172.
spread		104.	257.	1.3	12.	1.0	22.
in %		106.	29.	11.	22.	6.4	13.

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troja 2	1.001	5.11	1.06	3.18	13.6	4.46	2.48
Troja 6	0.936	5.44	1.11	3.06	14.6	4.45	2.34
Troja 13	0.841	5.20	1.11	3.16	12.8	4.30	2.34
Troja 86	1.052	4.86	1.07	3.14	13.3	4.38	2.26
Troja 88	1.007	5.13	1.05	3.18	11.7	4.50	2.29
Troja 89	1.018	4.95	1.07	3.18	12.8	4.62	2.25
Troja 92	1.098	5.38	1.03	3.44	10.3	4.24	2.30
Troja 95	0.962	5.48	1.07	3.19	11.8	4.57	2.32
Troja 121	1.092	4.81	1.09	3.09	11.0	5.07	2.25
ave. meas. error		0.074	0.023	0.014	1.9	0.062	0.030
in %		1.4	2.2	0.4	16.	1.4	1.3
ave. value M		5.2	1.1	3.2	12.	4.5	2.3
spread		0.25	0.024	0.11	1.9	0.24	0.068
in %		4.8	2.3	3.4	16.	5.3	2.9

Table 1ff.: Concentration data of the 9 members of group **C-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troja 2	1.001	26.6	0.34	0.67	23.3	99.2	96.1
Troja 6	0.936	26.0	0.35	0.60	23.7	97.1	104.
Troja 13	0.841	27.3	0.37	0.60	24.1	98.0	99.3
Troja 86	1.052	27.5	0.35	0.79	17.9	124.	95.8
Troja 88	1.007	26.9	0.33	0.79	21.2	113.	98.5
Troja 89	1.018	27.0	0.32	0.80	26.5	108.	96.9
Troja 92	1.098	25.8	0.34	0.88	20.3	103.	101.
Troja 95	0.962	28.2	0.35	0.72	27.9	106.	99.4
Troja 121	1.092	25.4	0.37	0.79	22.0	120.	87.2
ave. meas. error		0.078	0.013	0.005	1.2	6.7	1.9
in %		0.3	3.8	0.7	5.2	6.3	2.0
ave. value M		27.	0.34	0.74	24.	106.	98.
spread		0.90	0.017	0.096	1.2	9.5	4.7
in %		3.4	4.9	13.	5.2	8.9	4.8

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troja 2	1.001	1.52	13.7	4.61	0.78	0.63	12.3
Troja 6	0.936	2.93	13.5	4.49	0.75	0.63	12.3
Troja 13	0.841	1.33	13.4	4.52	0.74	0.63	12.2
Troja 86	1.052	1.01	13.5	4.10	0.69	0.64	11.7
Troja 88	1.007	1.07	13.5	4.25	0.73	0.64	12.3
Troja 89	1.018	0.92	13.5	4.30	0.73	0.66	12.0
Troja 92	1.098	1.20	14.1	4.12	0.67	0.56	11.3
Troja 95	0.962	1.15	13.2	4.43	0.74	0.63	12.1
Troja 121	1.092	0.78	13.1	3.52	0.69	0.64	11.0
ave. meas. error		0.063	0.021	0.026	0.020	0.031	0.060
in %		4.8	0.2	0.6	2.8	4.9	0.5
ave. value M		1.3	14.	4.3	0.73	0.63	12.
spread		0.64	0.29	0.33	0.034	0.031	0.49
in %		48.	2.1	7.7	4.7	4.9	4.1

Table 1ff.: Concentration data of the 9 members of group **C-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troja 2	1.001	0.48	2.65	2.10	2.44	–	203.
Troja 6	0.936	0.48	2.92	2.54	2.26	–	209.
Troja 13	0.841	1.08	2.59	2.18	2.38	–	193.
Troja 86	1.052	0.36	2.33	2.31	2.39	95.6	186.
Troja 88	1.007	0.35	2.45	2.02	2.37	95.6	213.
Troja 89	1.018	0.34	2.39	2.28	2.40	80.9	213.
Troja 92	1.098	0.33	4.02	1.92	2.35	118.	183.
Troja 95	0.962	0.35	2.52	2.38	2.36	84.2	205.
Troja 121	1.092	0.29	2.15	2.14	2.47	76.8	271.
ave. meas. error		0.015	0.096	0.13	0.051	1.9	23.
in %		3.3	3.6	6.0	2.1	2.1	11.
ave. value M		0.45	2.7	2.2	2.4	92.	208.
spread		0.24	0.55	0.19	0.051	15.	25.
in %		54.	20.	8.6	2.1	16.	12.

Table 1ff.: Concentration data of the 30 (+ 2 associated) members of group **D-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troja 3	0.952	7.63	354.	6.31	64.4	21.2	217.
Troja 21	0.945	3.56	387.	4.79	64.7	25.6	223.
Troja 27	0.980	5.97	306.	4.92	62.9	22.6	233.
Troja 28	0.984	10.2	577.	6.94	64.8	19.9	197.
Troja 29	0.989	15.9	916.	3.37	59.3	25.0	232.
Troja 33	0.977	10.9	507.	3.85	66.4	21.9	232.
Troja 36	1.043	13.6	1019.	4.01	64.1	21.7	234.
Troja 38	0.956	2.91	356.	4.01	66.0	26.4	237.
Troja 38w	0.935	3.23	337.	4.02	62.3	26.0	229.
Troja 39	1.021	42.6	1139.	4.99	66.4	23.8	211.
Troja 40	1.191	9.90	1112.	9.28	66.4	22.4	250.
Troja 42	0.919	36.2	351.	5.19	61.5	26.7	216.
Troja 43	0.946	15.6	763.	4.66	62.6	23.5	233.
Troja 44	1.133	22.6	682.	5.41	63.4	24.4	278.
Troja 45=44w	1.095	29.4	771.	5.53	62.6	24.7	333.
Troja 52	1.028	102.	730.	4.24	63.1	20.6	221.
Troja 55	1.061	32.8	1229.	4.50	62.8	21.1	261.
Troja 58	0.946	8.17	484.	6.22	64.7	23.9	219.
Troja 60	1.004	33.3	525.	5.11	65.4	21.2	205.
Troja 61	0.911	7.66	475.	2.75	61.7	25.4	234.
(Troja 84-	0.953	124.	848.	7.22	64.5	25.1	240.)
Troja 103	1.089	65.5	1004.	4.35	62.2	21.8	289.
Troja 114	0.991	9.63	509.	4.40	64.0	22.6	234.
Troja 114w	0.976	8.44	466.	4.10	63.5	22.0	233.
Troja 117	1.062	4.21	462.	4.38	59.9	20.5	288.
(Troja 118-	1.080	21.9	715.	6.91	61.6	24.8	246.)
Troja 125	0.943	3.91	405.	5.53	64.8	23.5	219.
Troja 125w	0.935	3.92	348.	5.18	63.8	22.8	217.
Troja 130	1.056	90.1	838.	5.11	62.3	22.0	265.
Troja 131	1.017	8.90	470.	6.17	63.6	23.1	213.
Troja 132	0.958	6.35	500.	3.67	64.1	25.4	212.
Troja 133	0.947	6.91	380.	4.64	63.3	22.7	223.
ave. meas. error		0.12	48.	0.42	0.76	0.14	1.3
in %		0.6	7.9	8.4	1.2	0.6	0.6
ave. value M		21.	613.	4.9	63.	23.	236.
spread		25.	273.	1.2	1.6	1.9	29.
in %		121.	45.	24.	2.5	8.1	12.

Table 1ff.: Concentration data of the 30 (+ 2 associated) members of group **D-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troja 3	0.952	9.71	1.16	5.33	21.0	3.56	2.99
Troja 21	0.945	7.35	1.11	4.97	19.2	4.38	2.55
Troja 27	0.980	6.14	1.18	4.96	18.0	4.82	2.70
Troja 28	0.984	7.30	1.14	4.79	15.1	4.21	2.89
Troja 29	0.989	7.75	1.01	5.63	18.4	4.16	2.75
Troja 33	0.977	6.98	1.13	4.95	15.3	4.58	2.65
Troja 36	1.043	6.55	1.06	4.36	16.8	4.98	2.82
Troja 38	0.956	7.23	1.11	5.13	15.3	4.40	2.77
Troja 38w	0.935	7.08	1.10	5.10	34.6	4.18	2.75
Troja 39	1.021	7.14	1.19	4.70	16.4	4.36	2.65
Troja 40	1.191	5.77	1.20	5.06	12.2	4.58	2.44
Troja 42	0.919	6.41	1.20	4.99	20.8	4.18	2.49
Troja 43	0.946	6.83	1.20	5.10	23.2	4.27	2.48
Troja 44	1.133	5.67	1.00	4.67	17.9	4.63	2.85
Troja 45	1.095	5.61	1.04	4.74	19.6	4.89	2.71
Troja 52	1.028	5.92	1.14	4.59	18.2	4.85	2.73
Troja 55	1.061	5.47	1.13	4.54	18.0	5.32	2.39
Troja 58	0.946	6.49	1.21	5.42	20.9	4.17	2.43
Troja 60	1.004	7.19	1.17	4.69	20.1	4.39	2.65
Troja 61	0.911	7.89	1.20	5.28	22.6	4.18	2.43
(Troja 84-	0.953	6.34	1.16	4.60	16.5	3.79	2.86)
Troja 103	1.089	5.67	1.09	4.75	13.6	5.16	2.56
Troja 114	0.991	6.59	1.19	4.89	15.8	4.55	2.81
Troja 114w	0.976	6.45	1.15	4.88	24.6	4.38	3.04
Troja 117	1.062	5.65	1.17	4.26	14.9	5.27	2.35
(Troja 118-	1.080	4.24	1.12	4.44	11.5	4.18	2.67)
Troja 125	0.943	6.68	1.27	5.30	17.2	4.06	2.47
Troja 125w	0.935	6.68	1.23	5.28	29.9	4.12	2.50
Troja 130	1.056	6.16	1.17	4.50	16.2	4.91	2.59
Troja 131	1.017	6.73	1.24	4.86	21.9	4.22	2.52
Troja 132	0.958	7.10	1.20	4.76	24.3	4.11	2.70
Troja 133	0.947	6.91	1.17	4.94	16.9	4.27	2.48
ave. meas. error		0.091	0.025	0.020	2.1	0.072	0.036
in %		1.4	2.2	0.4	11.	1.6	1.4
ave. value M		6.7	1.2	4.9	19.	4.5	2.6
spread		0.87	0.065	0.32	3.7	0.40	0.18
in %		13.	5.6	6.5	20.	9.0	6.7

Table 1ff.: Concentration data of the 30 (+ 2 associated) members of group **D-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troja 3	0.952	28.3	0.43	0.57	27.1	198.	153.
Troja 21	0.945	29.6	0.42	0.97	24.6	201.	149.
Troja 27	0.980	28.8	0.44	1.13	24.6	176.	134.
Troja 28	0.984	29.6	0.44	0.71	25.6	176.	129.
Troja 29	0.989	27.8	0.45	1.26	24.5	237.	142.
Troja 33	0.977	29.8	0.45	1.23	26.1	157.	143.
Troja 36	1.043	29.3	0.44	1.25	25.6	160.	144.
Troja 38	0.956	29.5	0.48	0.97	26.4	187.	151.
Troja 38w	0.935	28.9	0.44	0.93	25.5	199.	143.
Troja 39	1.021	30.1	0.44	1.13	27.5	172.	145.
Troja 40	1.191	29.9	0.49	1.10	28.2	160.	128.
Troja 42	0.919	30.9	1.52	0.93	27.9	195.	132.
Troja 43	0.946	29.8	0.51	0.97	27.9	196.	143.
Troja 44	1.133	28.0	0.54	1.52	24.4	220.	135.
Troja 45	1.095	27.8	0.45	1.47	24.1	224.	126.
Troja 52	1.028	27.9	0.48	1.14	28.5	165.	132.
Troja 55	1.061	28.1	0.43	1.33	26.6	159.	132.
Troja 58	0.946	30.1	0.52	0.97	25.5	187.	140.
Troja 60	1.004	30.0	0.43	1.29	27.0	158.	144.
Troja 61	0.911	29.2	0.47	0.92	27.5	226.	124.
(Troja 84-	0.953	30.4	0.41	1.09	28.5	262.	128.)
Troja 103	1.089	28.8	0.41	1.44	20.1	164.	135.
Troja 114	0.991	29.8	0.43	0.92	23.0	193.	133.
Troja 114w	0.976	30.0	0.40	0.95	27.2	190.	135.
Troja 117	1.062	28.3	0.42	1.33	24.3	178.	111.
(Troja 118-	1.080	29.6	0.43	1.65	21.9	202.	106.)
Troja 125	0.943	30.3	0.45	0.99	27.6	188.	137.
Troja 125w	0.935	30.3	0.43	1.00	25.9	179.	140.
Troja 130	1.056	29.9	0.40	1.04	24.5	138.	117.
Troja 131	1.017	30.3	0.43	1.20	30.1	268.	136.
Troja 132	0.958	30.2	0.42	0.99	28.4	163.	147.
Troja 133	0.947	30.3	0.42	1.10	30.1	166.	137.
ave. meas. error		0.079	0.022	0.006	1.7	12.	2.7
in %		0.3	4.6	0.6	6.3	6.6	2.0
ave. value M		29.	0.48	1.1	26.	186.	137.
spread		0.90	0.20	0.21	1.7	25.	9.6
in %		3.1	41.	20.	6.3	14.	7.0

Table 1ff.: Concentration data of the 30 (+ 2 associated) members of group **D-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troja 3	0.952	0.70	21.1	4.92	0.79	0.65	12.3
Troja 21	0.945	0.85	20.1	4.94	0.83	0.62	10.9
Troja 27	0.980	0.55	19.2	4.97	0.86	0.67	10.5
Troja 28	0.984	0.82	19.6	4.99	0.81	0.68	12.6
Troja 29	0.989	0.86	21.8	4.66	0.81	0.60	11.6
Troja 33	0.977	0.53	20.4	5.06	0.83	0.65	11.3
Troja 36	1.043	0.72	19.5	4.84	0.87	0.60	11.2
Troja 38	0.956	0.64	21.4	4.99	0.77	0.64	11.2
Troja 38w	0.935	0.72	21.0	4.88	0.80	0.72	11.2
Troja 39	1.021	0.61	20.3	5.15	0.81	0.67	11.3
Troja 40	1.191	0.59	20.0	5.18	0.80	0.71	11.0
Troja 42	0.919	0.54	20.1	5.54	0.80	0.72	10.8
Troja 43	0.946	0.77	20.4	5.43	0.85	0.69	11.1
Troja 44	1.133	0.79	18.2	4.82	0.87	0.69	11.7
Troja 45	1.095	0.91	18.3	4.82	0.90	0.69	11.4
Troja 52	1.028	0.57	19.6	5.39	0.86	0.71	10.9
Troja 55	1.061	0.69	18.5	5.21	0.85	0.74	10.8
Troja 58	0.946	0.55	21.1	5.41	0.84	0.77	11.1
Troja 60	1.004	0.90	20.3	5.38	0.83	0.76	11.4
Troja 61	0.911	0.73	21.7	4.91	0.76	0.82	11.3
(Troja 84-	0.953	5.37	19.0	5.21	0.76	0.79	11.0)
Troja 103	1.089	0.62	18.8	4.24	0.90	0.60	10.8
Troja 114	0.991	0.56	19.7	5.20	0.83	0.81	10.9
Troja 114w	0.976	0.56	19.5	4.33	0.88	0.75	10.8
Troja 117	1.062	0.45	17.0	4.74	0.84	0.72	11.2
(Troja 118-	1.080	0.83	17.5	5.03	0.83	0.83	11.6)
Troja 125	0.943	0.49	20.9	5.40	0.80	0.79	11.1
Troja 125w	0.935	0.59	20.8	5.07	0.80	0.77	11.1
Troja 130	1.056	0.96	18.2	4.88	0.83	0.68	11.3
Troja 131	1.017	0.75	20.3	5.33	0.79	0.71	11.2
Troja 132	0.958	0.66	21.0	5.35	0.79	0.67	11.1
Troja 133	0.947	0.65	20.4	5.40	0.81	0.72	11.1
ave. meas. error		0.066	0.027	0.032	0.026	0.039	0.069
in %		9.8	0.1	0.6	3.1	5.7	0.6
ave. value M		0.67	20.	5.0	0.83	0.69	11.
spread		0.13	1.2	0.32	0.034	0.059	0.42
in %		20.	5.8	6.3	4.1	8.6	3.8

Table 1ff.: Concentration data of the 30 (+ 2 associated) members of group **D-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troja 3	0.952	0.45	2.11	2.23	2.71	–	151.
Troja 21	0.945	0.44	2.46	1.44	2.85	–	223.
Troja 27	0.980	0.45	2.15	1.57	3.01	–	239.
Troja 28	0.984	0.49	2.56	2.20	2.83	–	187.
Troja 29	0.989	0.44	2.39	2.62	2.88	–	200.
Troja 33	0.977	0.43	2.52	2.29	2.78	–	172.
Troja 36	1.043	0.45	2.23	1.87	2.80	–	162.
Troja 38	0.956	0.44	2.36	1.68	2.73	–	174.
Troja 38w	0.935	0.73	2.22	2.64	2.57	109.	224.
Troja 39	1.021	0.41	2.46	1.99	2.96	–	162.
Troja 40	1.191	0.46	2.23	2.03	2.93	–	146.
Troja 42	0.919	0.39	2.33	1.56	2.60	108.	221.
Troja 43	0.946	0.41	2.30	1.90	2.60	109.	162.
Troja 44	1.133	0.41	1.89	1.97	2.66	83.9	199.
Troja 45	1.095	0.41	1.86	1.94	2.74	86.1	241.
Troja 52	1.028	0.40	2.95	1.70	2.70	100.	234.
Troja 55	1.061	0.38	2.32	1.90	2.77	94.6	236.
Troja 58	0.946	0.40	2.09	1.58	2.87	117.	161.
Troja 60	1.004	0.40	2.72	2.19	2.57	96.9	181.
Troja 61	0.911	0.45	2.29	1.92	2.85	102.	184.
(Troja 84-	0.953	0.30	2.37	2.35	2.64	115.	157.)
Troja 103	1.089	0.43	1.84	2.22	2.76	95.7	248.
Troja 114	0.991	0.43	2.31	1.87	2.74	93.3	225.
Troja 114w	0.976	0.62	1.63	2.97	2.68	94.1	191.
Troja 117	1.062	0.42	2.73	2.31	2.73	106.	261.
(Troja 118-	1.080	0.36	2.03	1.98	2.83	158.	234.)
Troja 125	0.943	0.43	2.48	2.03	2.88	106.	166.
Troja 125w	0.935	0.55	2.05	3.39	2.83	101.	194.
Troja 130	1.056	0.42	2.47	2.35	2.66	101.	228.
Troja 131	1.017	0.39	2.35	2.45	2.87	99.4	195.
Troja 132	0.958	0.46	1.82	2.62	2.78	110.	209.
Troja 133	0.947	0.53	2.20	2.91	2.83	106.	185.
ave. meas. error		0.027	0.11	0.15	0.065	2.2	27.
in %		6.4	4.8	7.2	2.3	2.1	13.
ave. value M		0.43	2.3	2.1	2.8	101.	201.
spread		0.031	0.28	0.44	0.11	8.2	31.
in %		7.3	12.	21.	3.9	8.1	15.

Table 1ff.: Concentration data of the 4 members of group **E-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troja 34	0.959	24.1	1197.	2.57	139.	16.9	88.6
Troja 51	0.952	11.5	1326.	3.65	139.	20.3	118.
Troja 113	1.049	23.2	1538.	2.29	128.	18.0	48.8
Troja 115	1.040	20.8	1154.	2.20	135.	16.8	96.7
ave. meas. error		0.12	71.	0.32	1.2	0.12	0.86
in %		0.6	5.5	12.	0.9	0.7	1.0
ave. value M		20.	1293.	2.6	135.	18.	88.
spread		5.8	164.	0.67	5.0	1.6	29.
in %		29.	13.	25.	3.7	9.0	33.

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troja 34	0.959	16.0	2.05	3.68	13.9	7.07	3.19
Troja 51	0.952	19.0	2.01	4.09	17.0	8.13	3.15
Troja 113	1.049	14.9	1.99	4.38	17.5	7.69	3.22
Troja 115	1.040	15.4	1.92	3.95	16.3	6.63	3.56
ave. meas. error		0.13	0.034	0.017	1.7	0.084	0.033
in %		0.8	1.7	0.4	11.	1.1	1.0
ave. value M		16.	2.0	4.0	16.	7.4	3.3
spread		1.8	0.053	0.29	1.7	0.66	0.19
in %		11.	2.7	7.2	11.	9.0	5.8

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troja 34	0.959	69.5	0.38	1.26	56.2	49.2	182.
Troja 51	0.952	65.5	0.40	1.52	49.9	78.1	171.
Troja 113	1.049	65.9	0.39	1.73	54.8	45.3	155.
Troja 115	1.040	65.8	0.37	1.18	54.0	73.3	169.
ave. meas. error		0.12	0.018	0.007	2.7	8.2	2.9
in %		0.2	4.8	0.5	5.0	13.	1.7
ave. value M		67.	0.38	1.4	55.	61.	169.
spread		1.9	0.018	0.25	2.7	16.	11.
in %		2.8	4.8	18.	5.0	27.	6.4

Table 1ff.: Concentration data of the 4 members of group **E-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troja 34	0.959	3.38	13.6	8.87	1.22	1.05	39.4
Troja 51	0.952	2.52	14.4	9.20	1.19	0.93	36.3
Troja 113	1.049	2.63	18.5	7.97	1.14	0.80	31.5
Troja 115	1.040	2.41	14.6	8.35	1.19	0.98	38.7
ave. meas. error		0.10	0.024	0.042	0.030	0.045	0.12
in %		3.7	0.2	0.5	2.5	4.8	0.3
ave. value M		2.7	15.	8.6	1.2	0.94	36.
spread		0.44	2.2	0.54	0.031	0.10	3.6
in %		16.	14.	6.3	2.6	11.	9.8

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troja 34	0.959	0.39	6.71	4.58	2.73	–	241.
Troja 51	0.952	0.34	6.18	2.92	2.80	94.2	369.
Troja 113	1.049	0.43	5.11	3.79	2.65	81.8	376.
Troja 115	1.040	0.39	6.05	4.51	2.59	129.	270.
ave. meas. error		0.023	0.14	0.17	0.073	2.3	27.
in %		6.0	2.3	4.3	2.7	2.3	8.7
ave. value M		0.39	6.0	3.9	2.7	102.	314.
spread		0.035	0.66	0.78	0.094	25.	68.
in %		9.1	11.	20.	3.5	24.	22.

Table 1ff.: Concentration data of the 4 (+ 1 associated) members of group **F-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troi20	0.997	9.73	635.	12.3	63.6	29.1	377.
Troia 20w	1.006	9.84	607.	9.08	59.6	28.9	320.
(Troja 24-	1.220	42.5	1340.	7.01	59.9	35.1	323.)
Troja 102	0.972	29.0	307.	4.25	61.7	38.2	505.
Troja 104	1.024	186.	336.	3.43	60.0	38.5	596.
ave. meas. error		0.18	54.	0.94	0.45	0.17	2.0
in %		0.3	11.	13.	0.7	0.5	0.5
ave. value M		59.	472.	7.2	61.	34.	449.
spread		85.	174.	4.3	1.8	5.4	124.
in %		146.	37.	59.	3.0	16.	28.

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troi20	0.997	7.22	1.11	5.34	13.5	4.03	2.02
Troia 20w	1.006	7.09	1.14	5.29	26.5	3.83	2.19
(Troja 24-	1.220	6.84	1.04	5.29	15.4	3.87	2.18)
Troja 102	0.972	7.23	1.17	4.68	12.8	4.10	2.16
Troja 104	1.024	7.93	1.15	4.82	13.7	3.73	2.23
ave. meas. error		0.091	0.025	0.019	2.9	0.064	0.036
in %		1.2	2.2	0.4	18.	1.6	1.6
ave. value M		7.4	1.1	5.0	16.	3.9	2.2
spread		0.38	0.025	0.33	6.3	0.17	0.086
in %		5.2	2.2	6.6	39.	4.4	4.0

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troi20	0.997	26.0	0.46	0.72	25.4	302.	127.
Troia 20w	1.006	28.2	0.40	0.72	22.3	294.	123.
(Troja 24-	1.220	26.4	0.33	0.51	23.9	356.	125.)
Troja 102	0.972	28.3	0.42	0.58	23.9	461.	96.2
Troja 104	1.024	27.3	0.34	0.58	23.3	451.	102.
ave. meas. error		0.087	0.015	0.005	1.5	9.6	2.3
in %		0.3	3.8	0.8	5.9	2.6	2.0
ave. value M		27.	0.41	0.65	25.	377.	112.
spread		1.1	0.048	0.079	1.5	92.	15.
in %		3.9	12.	12.	5.9	24.	14.

Table 1ff.: Concentration data of the 4 (+ 1 associated) members of group **F-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troi20	0.997	1.57	20.1	4.71	0.92	0.63	9.96
Troia 20w	1.006	1.41	19.9	4.65	0.87	0.69	9.97
(Troja 24-	1.220	1.66	18.3	4.47	0.78	0.58	11.5)
Troja 102	0.972	1.74	18.2	4.31	0.77	0.72	12.2
Troja 104	1.024	1.72	18.6	4.00	0.76	0.72	12.6
ave. meas. error		0.074	0.025	0.044	0.025	0.039	0.062
in %		4.6	0.1	1.0	3.0	5.7	0.6
ave. value M		1.6	19.	4.4	0.83	0.68	11.
spread		0.15	0.97	0.33	0.079	0.048	1.4
in %		9.5	5.0	7.5	9.5	7.1	13.

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troi20	0.997	0.45	2.59	2.04	2.71	–	184.
Troia 20w	1.006	0.71	2.18	2.19	2.64	201.	219.
(Troja 24-	1.220	0.42	4.60	1.91	2.26	–	239.)
Troja 102	0.972	0.39	2.28	2.44	2.85	94.6	208.
Troja 104	1.024	0.41	2.35	2.49	2.31	111.	214.
ave. meas. error		0.024	0.12	0.15	0.060	2.4	25.
in %		5.7	4.8	6.4	2.3	1.8	12.
ave. value M		0.42	2.4	2.4	2.6	135.	210.
spread		0.038	0.17	0.19	0.23	57.	25.
in %		9.0	7.2	8.2	8.7	42.	12.

Table 1ff.: Concentration data of the 3 members of group **G-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troja 32	0.977	21.4	674.	4.35	73.1	35.0	387.
Troja 35	0.955	5.01	343.	2.03	72.5	32.8	391.
Troja 64	1.055	119.	666.	6.82	65.4	32.6	380.
ave. meas. error		0.15	44.	0.46	1.3	0.18	1.9
in %		0.3	7.8	10.	1.8	0.5	0.5
ave. value M		48.	557.	4.4	70.	33.	386.
spread		62.	191.	2.4	4.4	1.4	5.3
in %		127.	34.	54.	6.3	4.1	1.4

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troja 32	0.977	7.99	1.28	5.43	16.2	4.32	3.29
Troja 35	0.955	5.59	1.35	5.26	14.6	4.93	2.25
Troja 64	1.055	6.58	1.17	5.12	16.1	4.68	2.36
ave. meas. error		0.097	0.027	0.022	1.5	0.078	0.021
in %		1.4	2.1	0.4	9.7	1.7	0.8
ave. value M		6.7	1.3	5.3	16.	4.6	2.6
spread		1.2	0.087	0.15	1.5	0.30	0.57
in %		18.	6.9	2.9	9.7	6.6	22.

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troja 32	0.977	34.1	0.46	1.00	30.7	409.	144.
Troja 35	0.955	33.0	0.53	0.96	28.9	380.	132.
Troja 64	1.055	30.2	0.43	1.04	24.9	349.	121.
ave. meas. error		0.077	0.022	0.004	1.6	9.0	2.9
in %		0.2	4.8	0.4	5.5	2.4	2.2
ave. value M		32.	0.47	1.0	29.	380.	132.
spread		2.0	0.052	0.036	2.2	30.	12.
in %		6.1	11.	3.6	7.4	7.8	8.8

Table 1ff.: Concentration data of the 3 members of group **G-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troja 32	0.977	1.56	20.8	5.79	0.90	0.71	12.4
Troja 35	0.955	0.68	20.3	5.79	0.92	0.79	11.2
Troja 64	1.055	1.43	18.3	5.08	0.98	0.68	11.0
ave. meas. error		0.071	0.028	0.023	0.024	0.034	0.074
in %		5.8	0.1	0.4	2.6	4.6	0.6
ave. value M		1.2	20.	5.6	0.93	0.73	12.
spread		0.48	1.3	0.41	0.038	0.055	0.74
in %		39.	6.6	7.4	4.1	7.5	6.4

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troja 32	0.977	0.37	2.23	5.50	2.92	–	159.
Troja 35	0.955	0.49	2.46	2.18	3.51	–	182.
Troja 64	1.055	0.46	2.76	1.83	2.60	94.0	204.
ave. meas. error		0.027	0.072	0.13	0.073	2.1	30.
in %		6.1	2.9	4.2	2.4	2.2	16.
ave. value M		0.44	2.5	3.2	3.0	94.	187.
spread		0.059	0.26	2.0	0.47	2.1	30.
in %		13.	10.	64.	16.	2.2	16.

Table 1ff.: Concentration data of the 3 members of group **H-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troja 11	1.014	231.	671.	6.47	82.8	23.0	169.
Troja 31	1.002	44.5	973.	3.35	81.3	22.3	149.
Troja 124	0.983	9.46	677.	2.84	78.9	22.8	148.
ave. meas. error		0.32	41.	0.36	0.94	0.14	1.2
in %		0.3	5.3	8.5	1.2	0.6	0.8
ave. value M		95.	775.	4.2	81.	23.	155.
spread		119.	174.	2.0	2.1	0.33	12.
in %		125.	22.	47.	2.6	1.5	7.9

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troja 11	1.014	9.19	1.38	5.11	27.9	4.20	3.38
Troja 31	1.002	9.60	1.31	5.34	21.8	4.57	3.50
Troja 124	0.983	10.1	1.41	5.51	22.5	4.25	3.57
ave. meas. error		0.11	0.029	0.022	2.4	0.077	0.041
in %		1.1	2.1	0.4	10.	1.8	1.2
ave. value M		9.6	1.4	5.3	23.	4.3	3.5
spread		0.46	0.053	0.20	2.8	0.20	0.095
in %		4.8	3.9	3.8	12.	4.6	2.7

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troja 11	1.014	36.5	0.45	1.17	33.1	143.	165.
Troja 31	1.002	37.1	0.54	0.94	32.2	118.	168.
Troja 124	0.983	37.7	0.47	0.91	26.9	128.	176.
ave. meas. error		0.098	0.021	0.007	1.6	7.8	3.2
in %		0.3	4.3	0.7	4.9	6.0	1.9
ave. value M		37.	0.49	1.0	32.	130.	170.
spread		0.57	0.047	0.14	2.3	13.	5.5
in %		1.5	9.6	14.	7.1	10.	3.2

Table 1ff.: Concentration data of the 3 members of group **H-Troy**: Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troja 11	1.014	2.96	21.4	6.39	1.01	0.84	13.6
Troja 31	1.002	2.52	22.1	6.16	1.08	0.77	14.0
Troja 124	0.983	2.61	23.1	5.74	1.03	0.83	14.5
ave. meas. error		0.096	0.030	0.027	0.023	0.035	0.078
in %		3.6	0.1	0.5	2.3	4.4	0.6
ave. value M		2.7	22.	6.1	1.0	0.81	14.
spread		0.23	0.89	0.33	0.038	0.043	0.50
in %		8.5	4.0	5.4	3.6	5.4	3.5

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troja 11	1.014	0.50	2.30	2.95	3.01	–	162.
Troja 31	1.002	0.42	2.46	3.20	3.16	–	193.
Troja 124	0.983	0.46	2.32	3.21	3.13	123.	218.
ave. meas. error		0.021	0.059	0.17	0.067	2.3	31.
in %		4.4	2.5	5.4	2.2	1.9	16.
ave. value M		0.47	2.4	3.2	3.1	123.	197.
spread		0.036	0.094	0.17	0.067	2.3	31.
in %		7.8	4.0	5.4	2.2	1.9	16.

Table 1ff.: Concentration data of the pair Troy 4 and 8
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troja 4	0.976	177.	443.	10.7	69.1	27.1	826.
Troja 8	1.024	392.	881.	11.8	66.0	26.4	658.
ave. meas. error		0.65	14.	0.28	0.60	0.17	4.3
in %		0.2	2.2	2.5	0.9	0.6	0.6
ave. value M		285.	662.	11.	68.	27.	742.
spread		152.	309.	0.82	2.2	0.50	119.
in %		54.	47.	7.3	3.2	1.9	16.

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troja 4	0.976	8.53	1.14	5.52	23.5	3.92	2.76
Troja 8	1.024	7.97	1.08	5.55	15.0	3.94	2.55
ave. meas. error		0.11	0.029	0.024	2.8	0.077	0.041
in %		1.3	2.6	0.4	15.	2.0	1.5
ave. value M		8.2	1.1	5.5	19.	3.9	2.7
spread		0.40	0.043	0.024	5.9	0.077	0.15
in %		4.8	3.9	0.43	31.	2.0	5.5

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troja 4	0.976	30.1	0.37	0.63	28.4	200.	166.
Troja 8	1.024	28.1	0.41	0.58	26.7	233.	162.
ave. meas. error		0.10	0.019	0.005	0.87	6.9	3.3
in %		0.4	4.9	0.9	3.1	3.2	2.0
ave. value M		29.	0.39	0.60	28.	216.	164.
spread		1.5	0.023	0.035	1.2	24.	3.3
in %		5.1	6.0	5.9	4.2	11.	2.0

Table 1ff.: Concentration data of the pair Troy 4 and 8
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troja 4	0.976	1.15	21.1	5.07	0.85	0.65	11.5
Troja 8	1.024	3.64	21.3	4.92	0.81	0.65	11.2
ave. meas. error		0.095	0.031	0.010	0.017	0.029	0.075
in %		3.9	0.1	0.2	2.0	4.5	0.7
ave. value M		2.4	21.	5.0	0.83	0.65	11.
spread		1.8	0.18	0.11	0.030	0.029	0.22
in %		73.	0.83	2.2	3.7	4.5	1.9

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troja 4	0.976	0.49	2.35	2.77	2.60	–	203.
Troja 8	1.024	0.51	2.48	2.40	2.53	–	211.
ave. meas. error		0.013	0.028	0.18	0.077	0.000	34.
in %		2.6	1.2	7.0	3.0	0.00	17.
ave. value M		0.50	2.4	2.6	2.6	0.000	207.
spread		0.013	0.095	0.26	0.077	0.000	34.
in %		2.6	3.9	9.9	3.0	0.000	17.

Table 1ff.: Concentration data of the pair Troy 48 and 63
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troja 48	1.016	18.8	717.	1.98	97.2	31.3	267.
Troja 63	0.982	30.3	581.	2.11	97.4	37.9	320.
ave. meas. error		0.096	45.	0.44	0.63	0.17	1.6
in %		0.4	7.0	22.	0.6	0.5	0.5
ave. value M		25.	648.	2.0	97.	35.	294.
spread		8.1	96.	0.44	0.63	4.7	37.
in %		33.	15.	22.	0.64	13.	13.

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troja 48	1.016	40.3	1.57	5.51	20.5	5.93	3.17
Troja 63	0.982	41.1	1.62	6.34	28.3	5.51	3.49
ave. meas. error		0.22	0.030	0.023	1.8	0.083	0.028
in %		0.6	1.9	0.4	7.4	1.5	0.8
ave. value M		41.	1.6	5.9	24.	5.7	3.3
spread		0.58	0.037	0.58	5.5	0.30	0.23
in %		1.4	2.3	9.9	23.	5.2	6.9

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troja 48	1.016	47.5	0.39	0.77	39.4	285.	199.
Troja 63	0.982	46.4	0.74	0.54	35.5	362.	218.
ave. meas. error		0.11	0.030	0.005	3.0	11.	3.5
in %		0.2	5.4	0.7	8.1	3.4	1.7
ave. value M		47.	0.56	0.66	37.	323.	208.
spread		0.76	0.24	0.16	3.0	54.	13.
in %		1.6	43.	25.	8.1	17.	6.4

Table 1ff.: Concentration data of the pair Troy 48 and 63
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troja 48	1.016	4.55	20.0	6.77	1.07	0.70	22.2
Troja 63	0.982	4.00	23.0	6.53	1.12	0.85	22.2
ave. meas. error		0.15	0.029	0.028	0.030	0.051	0.095
in %		3.6	0.1	0.4	2.8	6.5	0.4
ave. value M		4.3	22.	6.6	1.1	0.77	22.
spread		0.39	2.1	0.17	0.040	0.11	0.095
in %		9.2	9.9	2.5	3.6	14.	0.43

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troja 48	1.016	0.43	4.31	3.49	2.91	109.	238.
Troja 63	0.982	0.43	4.10	3.57	2.99	113.	224.
ave. meas. error		0.029	0.091	0.13	0.061	2.4	30.
in %		6.8	2.2	3.6	2.1	2.2	13.
ave. value M		0.43	4.2	3.5	2.9	111.	231.
spread		0.029	0.15	0.13	0.061	2.8	30.
in %		6.8	3.5	3.6	2.1	2.5	13.

Table 1ff.: Concentration data of the pair Troy 59 and 116
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troja 59	0.996	13.2	430.	4.33	70.6	31.2	405.
Troja 116	1.003	15.7	291.	5.45	66.2	32.8	422.
ave. meas. error		0.16	31.	0.39	0.73	0.22	2.2
in %		1.1	8.7	8.0	1.1	0.7	0.5
ave. value M		14.	356.	4.9	68.	32.	414.
spread		1.8	99.	0.80	3.1	1.1	12.
in %		12.	28.	16.	4.6	3.5	2.9

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troja 59	0.996	12.6	1.62	4.17	19.0	3.70	1.96
Troja 116	1.003	12.1	1.58	4.06	21.4	3.82	2.14
ave. meas. error		0.14	0.035	0.021	2.2	0.086	0.045
in %		1.1	2.2	0.5	12.	2.3	2.2
ave. value M		12.	1.6	4.1	19.	3.7	2.0
spread		0.29	0.035	0.080	2.2	0.086	0.13
in %		2.3	2.2	1.9	12.	2.3	6.3

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troja 59	0.996	36.7	0.42	1.41	37.3	313.	90.6
Troja 116	1.003	35.0	0.42	1.64	24.3	335.	91.5
ave. meas. error		0.12	0.026	0.010	5.0	13.	2.6
in %		0.3	6.3	0.6	15.	4.0	2.9
ave. value M		36.	0.42	1.5	33.	319.	91.
spread		1.2	0.026	0.16	8.8	14.	2.6
in %		3.3	6.3	10.	27.	4.3	2.9

Table 1ff.: Concentration data of the pair Troy 59 and 116
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troja 59	0.996	0.71	19.3	6.64	0.91	0.92	9.13
Troja 116	1.003	0.76	18.7	4.93	1.16	1.10	8.45
ave. meas. error		0.087	0.035	0.053	0.044	0.065	0.085
in %		12.	0.2	0.9	4.3	6.5	1.0
ave. value M		0.73	19.	5.8	1.0	1.00	8.8
spread		0.087	0.40	1.2	0.18	0.12	0.48
in %		12.	2.1	21.	18.	12.	5.5

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troja 59	0.996	0.35	1.83	1.81	2.69	88.5	154.
Troja 116	1.003	0.33	1.26	1.71	2.88	83.8	252.
ave. meas. error		0.030	0.18	0.17	0.084	2.7	37.
in %		8.6	11.	9.5	3.0	3.1	19.
ave. value M		0.35	1.6	1.8	2.8	88.	195.
spread		0.030	0.40	0.17	0.13	2.7	69.
in %		8.6	25.	9.5	4.8	3.1	35.

Table 1ff.: Concentration data of the pair Troy 90 and 111
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troja 90	0.985	17.1	812.	4.89	75.3	29.9	271.
Troja 111	1.014	20.5	962.	4.97	76.1	35.1	247.
ave. meas. error		0.11	73.	0.18	0.46	0.16	1.2
in %		0.6	8.3	3.7	0.6	0.5	0.5
ave. value M		19.	888.	4.9	76.	33.	259.
spread		2.4	106.	0.18	0.56	3.7	17.
in %		13.	12.	3.7	0.74	11.	6.6

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troja 90	0.985	10.3	1.43	4.88	12.4	5.00	2.45
Troja 111	1.014	9.60	1.40	5.18	13.7	4.47	2.40
ave. meas. error		0.097	0.028	0.018	2.2	0.066	0.028
in %		1.0	2.0	0.4	17.	1.4	1.1
ave. value M		9.9	1.4	5.0	13.	4.7	2.4
spread		0.47	0.028	0.21	2.2	0.37	0.039
in %		4.7	2.0	4.2	17.	7.8	1.6

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troja 90	0.985	36.0	0.41	1.57	31.0	278.	125.
Troja 111	1.014	35.3	0.40	0.72	27.6	271.	124.
ave. meas. error		0.081	0.014	0.006	3.9	10.	2.2
in %		0.2	3.4	0.5	13.	3.7	1.8
ave. value M		36.	0.40	1.1	29.	275.	125.
spread		0.52	0.014	0.60	3.9	10.	2.2
in %		1.4	3.4	53.	13.	3.7	1.8

Table 1ff.: Concentration data of the pair Troy 90 and 111
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise, average errors, also in percent of C, average values M and spreads, also in percent of M, after best relative fit (dilution factor calculated without elements As, Ba, Ca and Na). Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troja 90	0.985	2.03	18.1	5.88	0.92	0.74	17.0
Troja 111	1.014	1.70	19.2	5.63	0.92	0.86	15.5
ave. meas. error		0.076	0.024	0.038	0.028	0.046	0.068
in %		4.1	0.1	0.7	3.0	5.9	0.4
ave. value M		1.9	19.	5.8	0.92	0.79	16.
spread		0.24	0.81	0.18	0.028	0.085	1.1
in %		13.	4.3	3.1	3.0	11.	6.5

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troja 90	0.985	0.39	2.80	2.69	2.76	97.0	199.
Troja 111	1.014	0.43	2.20	2.86	2.62	199.	192.
ave. meas. error		0.017	0.13	0.14	0.054	2.7	25.
in %		4.1	5.2	5.1	2.0	1.8	13.
ave. value M		0.41	2.5	2.8	2.7	148.	196.
spread		0.027	0.43	0.14	0.097	72.	25.
in %		6.4	17.	5.1	3.6	49.	13.

Table 1ff.: Concentration data of the 18 chemical single samples
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise and average errors, also in percent of C (Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	As	Ba	Ca%	Ce	Co	Cr
Troja 5	1.000	213.	565.	6.46	68.7	29.6	5193.
Troja 14	1.000	126.	792.	5.43	67.2	24.4	2763.
Troja 15	1.000	38.7	449.	8.01	67.6	46.9	854.
Troja 16	1.000	18.9	868.	5.84	68.4	24.4	520.
Troja 17	1.000	27.2	341.	9.55	80.0	13.1	1537.
Troja 54	1.000	111.	1466.	3.16	84.3	9.93	202.
Troja 67	1.000	42.6	446.	3.25	72.3	23.7	212.
Troja 87	1.000	11.1	507.	10.4	45.8	17.3	353.
Troja 91	1.000	27.8	618.	5.28	43.4	27.6	401.
Troja 96	1.000	6.07	392.	5.45	56.1	49.6	524.
Troja 108	1.000	26.9	410.	1.44	53.1	54.5	793.
Troja 112	1.000	44.8	1525.	0.48	127.	11.2	66.7
Troja 119	1.000	29.1	937.	5.52	49.3	23.7	254.
Troja 120	1.000	100.	607.	6.71	83.7	36.6	398.
Troja 123	1.000	9.49	662.	11.5	56.8	21.0	229.
Troja 126	1.000	238.	1132.	1.72	109.	24.2	152.
Troja 127	1.000	6.44	450.	9.46	53.9	35.3	437.
Troja 135	1.000	416.	933.	3.36	61.0	28.8	226.
ave. meas. error		0.26	55.	0.28	0.66	0.16	7.6
in %		0.4	7.6	4.8	1.0	0.6	0.9

Table 1ff.: Concentration data of the 18 chemical single samples
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise and average errors, also in percent of C (Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Cs	Eu	Fe%	Ga	Hf	K %
Troja 5	1.000	9.79	1.89	6.70	17.2	4.37	2.75
Troja 14	1.000	7.99	1.25	5.29	11.9	6.68	2.29
Troja 15	1.000	17.8	1.14	5.88	17.9	4.40	2.26
Troja 16	1.000	9.67	1.05	4.05	26.2	5.09	2.85
Troja 17	1.000	5.10	1.31	3.35	19.8	7.24	1.43
Troja 54	1.000	4.84	1.29	3.01	12.3	6.41	2.37
Troja 67	1.000	7.26	1.29	4.89	21.0	4.43	3.01
Troja 87	1.000	5.90	0.97	4.02	11.7	4.06	2.07
Troja 91	1.000	9.21	0.96	4.10	9.00	3.29	1.78
Troja 96	1.000	6.47	0.96	6.32	19.7	2.87	2.63
Troja 108	1.000	4.77	1.11	5.52	13.2	3.96	1.85
Troja 112	1.000	12.3	1.89	3.66	14.8	7.94	3.91
Troja 119	1.000	4.63	0.92	4.30	17.8	4.68	2.69
Troja 120	1.000	15.2	1.51	6.90	13.8	5.74	2.92
Troja 123	1.000	6.61	1.14	3.61	14.4	4.15	1.72
Troja 126	1.000	10.4	1.85	6.42	26.6	6.06	3.39
Troja 127	1.000	4.84	1.03	5.78	20.3	4.17	1.88
Troja 135	1.000	12.3	1.02	5.42	30.6	4.24	2.77
ave. meas. error		0.100	0.028	0.020	2.8	0.073	0.038
in %		1.2	2.3	0.4	17.	1.5	1.5

Table 1ff.: Concentration data of the 18 chemical single samples
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise and average errors, also in percent of C (Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	La	Lu	Na%	Nd	Ni	Rb
Troja 5	1.000	36.3	0.25	0.91	28.7	306.	143.
Troja 14	1.000	27.8	0.43	1.40	26.4	174.	116.
Troja 15	1.000	27.1	0.46	0.63	27.0	464.	140.
Troja 16	1.000	30.7	0.44	1.16	27.2	261.	177.
Troja 17	1.000	57.9	0.43	0.48	36.9	91.0	93.0
Troja 54	1.000	42.0	0.31	1.67	31.5	48.9	96.5
Troja 67	1.000	34.6	0.48	1.25	27.1	184.	162.
Troja 87	1.000	22.9	0.35	1.10	21.0	272.	79.1
Troja 91	1.000	21.1	0.33	1.17	21.8	302.	72.3
Troja 96	1.000	25.7	0.42	0.55	28.2	705.	146.
Troja 108	1.000	25.0	0.37	0.87	17.8	927.	76.3
Troja 112	1.000	63.6	0.31	0.59	44.5	40.0	190.
Troja 119	1.000	23.2	0.39	1.41	23.5	217.	115.
Troja 120	1.000	40.7	0.53	0.34	35.9	390.	168.
Troja 123	1.000	27.3	0.37	0.92	18.9	192.	94.6
Troja 126	1.000	51.0	0.55	0.61	46.2	108.	164.
Troja 127	1.000	24.1	0.45	1.59	23.5	359.	108.
Troja 135	1.000	26.6	0.39	1.02	29.7	192.	144.
ave. meas. error		0.094	0.018	0.007	2.8	14.	2.6
in %		0.3	4.4	0.7	10.	4.9	2.1

Table 1ff.: Concentration data of the 18 chemical single samples
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise and average errors, also in percent of C (Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Sb	Sc	Sm	Ta	Tb	Th
Troja 5	1.000	2.88	18.0	5.07	0.86	0.57	16.6
Troja 14	1.000	3.05	16.1	5.16	0.88	0.70	13.0
Troja 15	1.000	1.24	24.4	5.22	0.82	0.63	10.3
Troja 16	1.000	2.36	17.8	5.12	0.96	0.72	14.2
Troja 17	1.000	1.07	14.3	6.24	1.41	0.69	12.4
Troja 54	1.000	1.00	12.6	5.59	0.69	0.57	16.2
Troja 67	1.000	1.24	20.4	4.26	1.12	0.89	15.3
Troja 87	1.000	0.73	16.3	3.64	0.66	0.56	8.27
Troja 91	1.000	2.54	17.6	3.81	0.59	0.57	7.20
Troja 96	1.000	0.58	22.4	3.96	0.70	0.64	9.45
Troja 108	1.000	2.32	19.8	3.84	0.83	0.70	7.80
Troja 112	1.000	1.61	16.3	7.86	1.07	0.98	46.2
Troja 119	1.000	0.60	16.5	3.90	0.80	0.71	9.31
Troja 120	1.000	3.60	26.3	6.50	1.20	0.85	15.2
Troja 123	1.000	1.05	14.3	3.99	0.71	0.69	11.5
Troja 126	1.000	3.66	21.8	8.85	1.21	1.25	18.0
Troja 127	1.000	0.78	24.1	4.66	0.80	0.66	10.4
Troja 135	1.000	1.69	20.9	4.60	0.77	0.57	10.7
ave. meas. error		0.081	0.026	0.033	0.025	0.040	0.073
in %		4.7	0.1	0.6	2.8	5.7	0.5

Table 1ff.: Concentration data of the 18 chemical single samples
Element concentrations C in $\mu g/g$ (ppm), if not indicated otherwise and average errors, also in percent of C (Cr and Yb values are corrected, compare Tables 2 and 3 (ref. 1).

Sample	dil.factor	Ti%	U	W	Yb	Zn	Zr
Troja 5	1.000	0.41	3.28	8.24	2.71	–	174.
Troja 14	1.000	0.46	3.85	4.78	3.00	–	280.
Troja 15	1.000	0.51	2.23	2.97	2.83	–	159.
Troja 16	1.000	0.39	2.28	2.57	2.84	–	213.
Troja 17	1.000	0.57	2.76	3.48	3.10	–	313.
Troja 54	1.000	0.28	3.62	1.55	2.16	84.8	286.
Troja 67	1.000	0.47	1.81	2.99	3.09	108.	228.
Troja 87	1.000	0.34	2.15	1.27	2.36	101.	162.
Troja 91	1.000	0.32	1.43	1.40	2.11	80.9	125.
Troja 96	1.000	0.37	2.05	1.66	2.24	124.	138.
Troja 108	1.000	0.37	1.43	2.66	2.31	116.	237.
Troja 112	1.000	0.42	11.2	4.70	2.22	123.	349.
Troja 119	1.000	0.36	1.64	1.78	2.54	155.	212.
Troja 120	1.000	0.48	2.76	4.71	3.17	120.	276.
Troja 123	1.000	0.36	1.97	1.96	2.45	73.0	206.
Troja 126	1.000	0.36	8.67	2.29	3.84	146.	263.
Troja 127	1.000	0.57	2.31	2.21	2.77	81.3	192.
Troja 135	1.000	0.43	1.66	2.23	2.38	104.	157.
ave. meas. error		0.024	0.13	0.17	0.065	2.2	28.
in %		5.9	4.0	6.1	2.4	2.1	13.