

<i>A. batava</i>	Phase	Cr/Ca	Mn/Ca	Ni/Ca	Cu/Ca	Zn/Ca	Ag/Ca	Cd/Ca	Sn/Ca	Hg/Ca	Pb/Ca
Metal System		$\mu\text{mol mol}^{-1}$	$\text{mmol mol}^{-1}$	$\mu\text{mol mol}^{-1}$	$\mu\text{mol mol}^{-1}$	$\mu\text{mol mol}^{-1}$	$\mu\text{mol mol}^{-1}$	$\mu\text{mol mol}^{-1}$	$\mu\text{mol mol}^{-1}$	$\text{nmol mol}^{-1}$	$\mu\text{mol mol}^{-1}$
AB0R1F3	0	13.3	0.1	0.6	4.2	55.6	0.019	5.7	0.10	1.38	1.2
AB0R1F4	0	16.6	0.1	1.0	7.3	72.3	0.054	5.7	0.15	0.46	1.4
AB0R1F5	0	16.8	0.1	1.1	5.7	92.9		6.6	0.22	0.74	
AB0R1F5.2	0	16.0	0.0	1.1	7.0	60.1	0.028	6.7	0.09	0.74	1.1
AB0R1F6	0	19.1	0.1	1.5	14.5	98.3	0.040		0.36	0.76	1.6
AB0R2F1	0	17.0				28.5	0.184	6.4		1.90	1.1
AB1R1F0	1	10.1	0.0	0.9	1.2	2.1		2.2	0.22		0.1
AB1R1F1	1	11.3	0.0	0.5	0.8	4.2		2.3	0.20	0.18	0.2
AB1R1F2	1	12.9	0.0	1.1	9.9	40.5	0.072	2.7	0.66		1.3
AB1R1F3	1	14.0	0.0	3.1		88.0	0.295	2.3			
AB1R1F4	1	15.7	0.0	1.9	5.5	27.4	0.111	3.8	0.61	1.39	1.1
AB1R2F1	1	12.6	0.1	3.5	2.9	15.0		3.1	1.25		0.3
AB1R2F2	1		0.1	2.0	2.2	25.7			0.31		0.6
AB1R3F0	1	13.4	0.1	1.8	2.1	18.0	0.011	2.4	0.19		0.4
AB1R3F1	1	12.2	0.1	1.5	1.1	22.3		2.4	0.27		0.3
AB1R3F2	1	16.2	0.0	2.8	1.7	18.7		3.6	0.39		0.3
AB1R4F1	1	14.8	0.1	2.6	3.5	33.5		2.8	1.12		0.7
AB1R4F2	1	20.7	0.1	3.2	3.6	29.2		4.1	1.75		0.5
AB1R5F1	1	20.5	0.1	2.9	2.5	20.5		3.5	0.86		0.4
AB1R6F0	1	15.7	0.1	1.0	1.4	15.3		3.9	0.41		0.4
AB1R6F1	1	20.5	0.0	1.8	1.4	28.0			0.32		0.4
AB1R6F12	1	7.9	0.0	0.3	1.5	9.6	0.035	2.1	0.19		0.2
AB1R6F2	1	24.4	0.0	1.4	1.9	28.6		5.4	0.68		0.3
AB2R10F0	2	7.8	0.0	2.2		9.3	0.037	1.9	0.22	1.28	0.4
AB2R10F1	2	11.9	0.0	3.6		12.6		3.5	0.27	2.84	0.6
AB2R10F2	2	9.2	0.0	3.2	41.9	8.1		2.3	0.35	0.32	0.5
AB2R10F3	2	10.2	0.0	3.1	37.2	11.3		2.5	0.27		0.5
AB2R1F0	2	9.7	0.0	0.6	1.0	1.8		2.3	0.22		0.1
AB2R1F1	2	9.9	0.0	0.9	1.6	5.5		2.5	0.33		0.2
AB2R1F2	2	9.4	0.0	1.1	4.8	10.2	0.124	2.8	0.36		0.3
AB2R1F3	2	10.6	0.0	1.3	5.4	14.6	0.136	3.3	0.35		0.4
AB2R1F4	2	10.0	0.0	1.6	3.4	15.3	0.040	3.5	0.38		0.3
AB2R2F0	2	8.4	0.0	1.5	1.9	3.5		2.1	0.48		0.2
AB2R2F1	2	8.5	0.0	1.8	2.1	5.3	0.029	1.9	0.39		0.2
AB2R2F2	2	9.2	0.0	2.2	2.6	11.9	0.177	2.4	0.61		0.3
AB2R2F3	2	9.6	0.0	3.0	6.0	16.9	0.371	3.7	0.90		0.4
AB2R2F4	2	9.9	0.0	2.5	3.1	12.3	0.119	3.8	0.55		0.3
AB2R2F5	2	10.4	0.0	2.1	2.9	12.7	0.051	4.6	0.46		0.2
AB2R2F6	2	12.0	0.0	1.9	2.6	13.5	0.036		0.78		0.3
AB2R3F1	2	9.9	0.0	0.8	1.1	10.7		2.9	0.53	9.13	0.9
AB2R3F2	2	9.8	0.0	0.8	4.1	15.8	0.068	2.8	0.34	9.65	0.8
AB2R3F3	2	9.6	0.0	1.0	5.1	26.4	0.136	2.8	0.73	5.83	1.4
AB2R4F10	2	9.8		2.8	9.1						
AB2R4F11	2	10.4	0.0	1.4	3.3	20.3	0.638	5.8	0.56		1.3
AB2R4F12	2	8.0	0.0	1.1	1.4	8.4	0.253	5.8	0.28		0.4
AB2R4F2	2	6.7	0.0	0.6	1.1	6.0		2.7	0.47		0.8
AB2R4F3	2	7.0	0.0	0.7	2.8	18.4	0.088	2.6	0.48		0.7
AB2R4F4	2	7.1	0.0	1.4	3.1	23.8	0.088	2.9	0.51		0.9
AB2R4F5	2	8.3	0.0	2.7	20.5		0.657	3.9			
AB2R4F6	2	6.1	0.0		8.2	34.7	0.273	5.3	1.91		
AB2R4F7	2	7.2	0.0		6.7	26.1	0.099	3.9			1.2
AB2R4F8	2	9.0	0.0	3.4	5.1	23.5	0.301	2.9	1.74		1.2



AB2R4F9	2	12.2	0.0	2.8	8.3	33.2	0.439	2.6			1.0
AB2R5F1	2	10.5	0.0	2.0	5.5	13.4		2.6	1.03	5.04	0.9
AB2R5F2	2	10.1	0.0	1.3	1.7	5.1	0.139	2.4	0.29	17.58	0.3
AB2R5F3	2	10.8	0.0	1.9	2.9	11.3	0.084	2.9	0.56		0.4
AB2R6F0	2	8.8	0.0	0.7	1.1	3.2		2.2	0.28	1.01	0.2
AB2R6F1	2	9.8	0.0	0.9	1.3	6.6		2.5	0.27	0.50	0.2
AB2R6F2	2	9.6	0.0	0.7	3.3	17.1	0.033	2.9	0.33		0.3
AB2R6F3	2	12.0	0.0	1.2	2.2	22.7	0.024	3.6	0.49		0.4
AB2R6F4	2	13.1	0.0	1.3	1.8	22.4	0.095	4.3	0.56		0.4
AB2R6F5	2	14.0	0.0	1.8	2.2	28.4		4.9	0.47		0.5
AB2R6F6	2	12.6	0.0	1.6	2.3	25.0		4.2	0.54		0.4
AB2R7F0	2	13.7	0.0	2.4	2.6	4.5	0.125	3.5	0.14	7.29	0.4
AB2R7F1	2	9.6	0.0	0.7	1.5	4.5		2.2	0.17	2.04	0.2
AB2R7F2	2	10.5	0.0	0.7	0.9	4.3		2.7	0.11	3.39	0.1
AB2R7F3	2	11.0	0.0	1.6	1.7	10.2		3.1	0.21	4.04	0.3
AB2R7F4	2		0.0	2.1	2.9	16.1	0.047	5.2	0.47	3.91	0.5
AB2R8F1	2	10.4	0.0	1.5	28.4	10.3		2.5	0.27	2.24	0.6
AB2R8F2	2	9.7	0.0	1.4	37.5	16.5		2.6	0.33	2.23	0.8
AB2R8F3	2	11.9	0.0	1.3		21.6		2.8	0.28	3.28	0.9
AB2R9F0	2	11.7	0.0	2.6		11.6		2.3	0.18		0.4
AB2R9F1	2	9.8	0.0	2.3	34.6	6.4		2.2	0.19		0.3
AB2R9F2	2	10.2		2.9	36.7	9.6		2.4	0.28		0.8
AB2R9F3	2			2.4		14.7			0.31		0.9
AB3R1F0	3	13.7	1.0	3.2	3.3	25.1	0.471	7.7	0.14	2.13	13.3
AB3R1F0	3	12.1	0.1	3.4	5.8	68.2	0.380	6.5	0.25	11.25	39.1
AB3R1F1	3	14.6	0.1	3.7	4.5	25.3	0.554	7.0	0.13	1.94	13.1
AB3R1F1	3	12.7	0.1	2.1	6.0	81.8	0.684	6.5	0.10	14.10	28.0
AB3R1F2	3	12.5	0.1	5.0	8.1	41.8	1.763	7.0	0.13	2.81	15.2
AB3R1F2	3	9.9	0.1	0.9	5.8	41.3	0.478	4.0	0.30	9.16	11.4
AB3R1F3	3	11.7	0.4	5.5	7.9	37.2	1.457	6.0	0.25	1.73	14.3
AB3R1F3	3	8.4	0.0	1.6	1.9	17.5	0.131	3.3	0.09	9.04	3.5
AB3R1F4	3	17.2	0.5	3.7	6.0	44.1	1.281	9.6	0.11	2.08	19.8
AB3R1F5	3		1.3		18.3	86.2	2.872		0.69	2.40	21.8
AB3R2F0	3	12.1	0.2	4.9	3.2	15.7	1.554	6.3	0.01	2.29	8.9
AB3R2F0	3	12.0	0.1	2.0	3.3	57.4	0.741	6.6	0.06	0.77	86.4
AB3R2F1	3	10.4	0.2	2.7	5.5	23.4	5.139	5.5	0.13	5.42	9.3
AB3R2F1	3	10.2	0.0	2.6	4.4	38.2	1.313	4.8	0.15	3.32	13.7
AB3R2F2	3	12.8	0.2	3.3	4.7	26.2		8.7	0.16	5.01	14.4
AB3R2F2	3	10.8	0.0	2.2	3.2	36.2	0.795	4.1	0.08	5.66	11.2
AB3R2F3	3	12.9	0.3	4.6	6.3	46.0		7.5	0.30	5.79	22.4
AB3R2F4	3	15.1	0.2	4.8	13.2	70.8		10.7	0.84	9.39	24.9
AB3R3F1	3	8.1	0.7	1.4	5.1	14.3	0.458	4.7	0.05	4.25	9.0
AB3R3F10	3	10.4	0.0	3.8	3.2	40.5	0.485	4.0	0.10	2.80	10.9
AB3R3F2	3	11.3	0.8	2.5	5.2	23.3	0.593	6.4	0.05	1.43	10.9
AB3R3F3	3	9.8	1.3	2.7	7.6	36.8	1.635	6.1	0.08	0.67	13.8
AB3R3F4	3	12.8		3.1	5.7	38.9	2.039	7.1	0.18	0.72	13.0
AB3R3F4	3	12.7	0.0	3.0	5.3	60.8	1.494	6.0	0.20	5.22	14.6
AB3R3F5	3	12.9		3.8	7.3	52.1	2.181	6.5	0.26	1.86	16.4
AB3R3F5	3	15.8	0.0	4.8	5.5	65.3	1.209	6.0	0.65	6.14	26.9
AB3R3F6	3	15.1	0.1		9.7	83.2	1.562	7.5	0.40	4.36	26.3
AB3R3F7	3	13.6	0.1	3.5	3.1	32.6	0.311	7.0	0.03	2.78	17.2
AB3R3F8	3	12.9	0.0	4.8	3.8	34.9	0.368	5.3	0.13	2.02	11.5
AB3R3F9	3	11.6	0.0	3.7	3.3	35.9	0.534	4.4	0.42	2.30	9.7
AB3R4F1	3	12.9	0.1	1.4	4.5	87.1	0.410	7.2	0.36	4.94	91.6
AB3R4F2	3	18.1	0.2	2.6	10.5		1.450		0.66	4.52	
AB3R4F3	3	14.4	0.1	1.8	7.1	67.1	2.318	7.7	0.69		27.2



AB3R4F4	3		0.1	5.2	29.0		6.641	11.8			48.2
AB3R4F5	3	16.2	0.0	2.5	4.3	76.5	1.039	7.8	0.18	9.15	32.4
AB3R4F6	3	9.8	0.0	1.9	2.8	35.1	0.653	3.9	0.13	16.15	11.3
AB3R4F7	3	9.0	0.0	2.6	2.1	36.8	0.435	3.6	0.12	30.82	17.1
AB3R5F1	3	8.7	0.0	1.0	3.9	12.4	0.620	3.0	0.06	3.22	4.0
AB3R5F2	3	9.1	0.1	2.0	2.9	15.0	0.560	3.7	0.06	5.97	5.4
AB3R6F0	3	12.5	0.1	1.5	2.0	39.1	0.315	5.4	0.38	4.21	62.8
AB3R6F1	3	17.7	0.1	2.6	4.9	86.8	1.145	10.2		1.85	96.8
AB3R6F2	3	11.6	0.1	1.3	4.0	83.2	0.479	8.3	0.18	7.95	57.3
AB3R6F3	3	14.5	0.1	2.5	6.8	96.1	0.823	11.3	0.25	4.05	45.7
AB3R6F4	3	12.5	0.1	3.5	6.0	122.0	0.890	8.3	0.55	14.42	58.1
AB3R6F5	3	18.7	0.1	4.6	10.9	140.1	2.174		0.36	16.37	32.4
AB3R6F6	3	15.3	0.0	4.7	5.7	91.3	1.271	8.1	0.25	10.72	38.0
AB3R7F0	3	11.1	0.0	1.7	7.7	36.3	0.128	5.4	0.10	21.60	34.3
AB3R7F1	3	14.6	0.0	3.1	8.7	43.3		7.5	0.12	22.85	21.6
AB3R7F2	3	15.3	0.0	3.1	10.0	63.6		9.1	0.19	20.00	30.9
AB3R7F3	3	13.8	0.0	3.2	14.1	36.0		7.0	0.07	8.24	18.8
AB3R8F1	3	8.7	0.1	1.7	16.5	74.7	0.075	4.9	0.12	22.28	64.8
AB3R8F2	3	10.5	0.1	2.2	15.7	52.6	0.088	3.8	0.69	18.61	37.3
AB3R8F3	3	10.1	0.1	2.8	11.0	48.8	0.068	4.0	0.10	15.96	30.2
AB3R9F0	3	8.1	0.1	2.4	24.1	49.8	0.111	5.7	0.09		
AB3R9F1	3	13.1	0.1	2.0	33.5	89.2	0.065	8.7	0.10	16.47	112.2
AB3R9F2	3	10.3	0.1	2.3	53.6	91.9	1.202	8.8	0.30		78.9
AB3R9F3	3	18.2	0.1					9.2			67.2

#### Control System

AB0L2F0	0	9.7	0.1	1.0	13.1	17.3	0.076	2.3		1.01	0.7
AB0L2F1	0	11.4	0.0	1.0	11.1	33.9	0.228	2.3		0.98	0.9
AB0L2F2	0	13.6	0.0	2.2		29.8		3.8		1.41	1.0
AB0L3F1	0	15.6	0.1	0.4	3.9	34.5	0.056	4.4		2.75	0.9
AB0L3F2	0		0.1	2.0	8.8	21.7	0.067	6.2	0.27		0.8
AB0L4F2	0	11.5	0.0	0.8	5.6	14.4	0.033	4.8		0.27	0.5
Ab0L5F1	0	10.3	0.0	2.4	6.5	6.5		5.8			0.2
AB0L5F2	0	10.8	0.0	1.6	5.6	7.4		6.8			0.2
AB0L6F3	0	9.8	0.0	1.1	3.5	49.5	0.078	5.8			1.0
AB1L1F3	1	10.4		1.2	3.0		0.085	2.5	1.47	2.31	0.6
AB1L1F5	1	10.0	0.1	0.9	2.9	30.1	0.057	3.2		0.10	0.3
AB1L2F1	1	7.6	0.1	1.0	5.8	17.6	0.059	1.6		0.50	
AB1L2F2	1	7.9	0.0	0.7	2.8	15.0	0.040	1.7	0.68	1.25	0.4
AB1L3F1	1	9.8	0.0	1.3	3.3	19.4	0.123	1.7	1.53	0.93	0.4
AB1L3F2	1	8.7	0.0	1.1	2.5	18.4	0.085	1.7	0.60	1.25	0.4
AB1L3F3	1	6.9	0.0	1.4	2.5	19.4	0.046	1.7	0.40	1.72	0.5
Ab1L4F1	1	10.1	0.0	1.5	4.6	11.4	0.126	1.7	0.67	0.59	0.2
AB1L4F2	1	10.7	0.0	2.3	4.0	14.9	0.026	1.7	0.57	0.39	0.3
AB1L5F0	1	13.8	0.1	2.0	7.4	12.7		4.2	0.11		0.3
AB1L5F1	1	14.7	0.0	5.5	8.4	13.2		3.0	0.97	1.01	0.2
AB1L5F2	1	11.5	0.0	5.1	9.3	15.0		2.1	0.98	0.46	0.2
AB1L5F3	1	13.6	0.0	4.7	8.2	15.4		2.7	0.32	1.68	0.2
AB1L5F4	1	11.3	0.0	4.6	8.6	24.4		2.0	0.61	0.09	0.3
AB1L6F1	1	12.0	0.0	3.3	7.0	12.8	0.009	3.1	0.61	0.64	0.2
AB1L6F2	1	13.8	0.0	2.5	5.6	12.5		3.7	0.52		0.1
AB1L6F3	1		0.0	3.0	8.6	17.9			0.33	3.84	0.2
AB1L6F42	1	15.4	0.0	3.2	7.1	22.7		5.4	0.35	1.91	0.2
AB1L6F5	1	9.2	0.0	2.7	7.7	28.7		1.7	0.50	0.59	0.2
AB1L6F6	1	11.2	0.0	3.6	9.2			2.7	0.47	1.80	0.3
AB2L1F0	2	8.6		0.6	0.8	9.7		2.5			0.2
AB2L1F1	2	8.7	0.0	0.6	1.5	6.3	0.043	2.2	0.04		0.2



AB2L1F2	2	8.7	0.0	0.5	3.9	13.1	0.049	2.5	0.04	0.78	0.3
AB2L1F4	2		0.1	0.9	3.1			3.2		3.75	0.5
AB2L2F0	2	10.7	0.0	0.7	1.2	3.7		2.6		1.06	
AB2L2F1	2	9.7	0.0	0.5	7.6	10.9		2.5	0.03		0.4
AB2L2F2	2	9.8	0.0	0.8	3.4	9.6	0.040	2.9	0.02		0.4
AB2L2F3	2	9.6	0.0	0.6	2.2	12.7		3.1	0.03		0.5
AB2L3F1	2	9.3	0.0	1.5		14.8		2.5	0.02		0.4
AB2L3F2	2	11.0	0.0	1.6	14.0	27.0		2.9	0.11	1.48	0.5
AB2L3F3	2	11.1	0.0		16.6	23.2		3.0	0.04	2.07	0.4
AB2L4F0	2	8.2	0.0	1.2	1.2	3.5		2.4	0.06		
AB2L4F1	2	8.0	0.0	0.4	1.1	9.0		2.2	0.05		0.2
AB2L4F2	2	7.4	0.0	0.6	5.7	14.8	0.044	2.6	0.07		0.4
AB2L4F3	2	8.7	0.0	0.4	7.1	16.2	0.053	3.3	0.04		0.4
AB2L5F0	2	7.9	0.1	1.9	7.2	12.9		2.4	0.28		0.5
AB2L5F1	2	7.7	0.1	0.9	7.3	20.1	0.054	2.2	0.20		0.6
AB2L5F2	2	7.2	0.0	1.1	2.9	9.0		2.3	0.19		0.3
AB2L5F3	2	8.8	0.0	1.5	2.6	15.5	0.082	3.2	0.16		0.4
AB3L1F3	3	9.8	0.1	2.1	4.0	28.0	0.080	2.4	0.36	5.99	0.7
AB3L1F4	3	9.0	0.1	2.8	4.6	30.8	0.082	2.8	0.15	4.10	0.7
AB3L1F5	3		0.1							3.88	
AB3L1F6	3	9.1	0.0	3.6	3.5	33.1	0.019	2.7	0.16		0.5
AB3L2F0	3	8.0	0.0	1.4	1.8	4.5	0.017	1.7	0.09		0.1
AB3L2F1	3	7.7	0.0	0.6	5.5	14.1	0.119	1.7	0.07		0.4
AB3L2F2	3	7.5	0.0	1.7	4.5	23.2	0.131	1.6	0.07		0.6
AB3L3F0	3	11.5	0.0	1.8	3.6	5.0		1.7	0.11		0.1
AB3L3F1	3	11.1	0.0	2.5	1.7	3.2		1.6	0.07		0.1
AB3L3F2	3	11.0	0.0	1.9	2.3	6.6	0.039	1.6	0.06	0.63	0.2
AB3L3F3	3	10.6	0.0	1.5	2.1	12.1	0.057	1.8	0.08	0.32	0.4
AB3L3F4	3	11.0	0.0	2.0	2.5	14.9	0.058	1.9	0.08	2.45	0.5
AB3L3F5	3	11.1	0.0	1.9	3.2	15.1	0.054	2.8	0.09	5.20	0.2
AB3L4F1	3	7.6	0.0	1.7	17.0	9.2		1.6	0.12	5.08	0.4
AB3L4F2	3	7.7	0.0	1.3	14.3	6.0		1.6	0.06	4.70	0.2
AB3L4F3	3	8.9	0.0	2.1	22.6	9.6		2.1	0.11	5.90	0.2
AB3L5F1	3	7.2	0.1	2.7	6.3	22.3	0.023	1.7	0.13	6.14	0.5
AB3L5F2	3	7.5	0.1	2.1	8.2	24.1	0.042	1.7	0.07	6.30	0.5
AB3L5F3	3	8.0	0.0	1.2	9.3	7.1		1.9	0.09	7.17	0.2
<b>Number of rejected points</b>		9	8	8	11	9	76	11	23	80	11