	m		mg Kg^{-1}																	molar ratios		detritic minerals		authigenic minerals			
																									Mg-carbonates		
basin	sampling depth	biomass contents	Y	Zr	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	∑[REE]	Y/Ho	Zr/Hf	quartz	calcite	low-Mg calcite	high-Mg calcite	dolomite	halides
Tyro	1	1.9	7.75	29.94	10.20	21.54	2.56	10.26	2.20	0.51	2.21	0.30	1.59	0.29	0.78	0.10	0.60	0.08	1.04	60.97	48.69	55.98	11.8	12.5	22.5	4.1	10.9	38.2
Tyro	2	2.4	6.81	32.76	8.96	20.13	2.28	9.12	1.97	0.45	1.96	0.27	1.41	0.26	0.69	0.08	0.51	0.07	0.89	54.97	48.81	71.91	42.5	13.5		5.6	8.8	29.6
Tyro	3	2.1	7.84	38.13	10.34	22.02	2.59	10.44	2.25	0.51	2.24	0.30	1.62	0.30	0.79	0.10	0.59	0.08	0.94	62.03	48.64	79.31	29.6	11.4	13.1	3.8	9.5	32.6
Tyro	4	nd	7.64	37.85	10.37	21.84	2.61	10.37	2.25	0.56	2.26	0.34	1.63	0.33	0.81	0.14	0.63	0.12	0.96	61.90	42.48	76.74	8.8	9.8	12.5	7.5	8.5	52.9
Tyro	5	1.5	7.91	39.31	15.04	29.90	3.43	12.85	2.27	0.52	2.37	0.31	1.64	0.30	0.80	0.10	0.61	0.08	0.89	78.14	48.60	85.90	19.9	4.3	9.9	6.5	9.1	50.3
Tyro	10	nd	8.22	39.62	10.50	22.20	2.71	10.64	2.41	0.63	2.40	0.41	1.78	0.40	0.91	0.20	0.73	0.19	0.99	64.32	37.66	78.00	17.9	7.4	12.4	6.4	10.6	45.3
Tyro	11	1.1	8.52	49.36	11.18	23.65	2.97	11.25	2.63	0.78	2.62	0.56	1.95	0.55	1.08	0.33	0.87	0.33	1.40	69.27	28.79	68.58	8.9	5.6	15.1	7.8	8.2	54.4
Tyro	12	3.0	8.24	40.59	11.20	23.74	2.78	11.12	2.38	0.55	2.37	0.32	1.70	0.31	0.83	0.10	0.63	0.08	0.88	66.35	49.14	90.24	30.4	7.9	14.9	5.1	8.1	33.6
Tyro	18	4.6	9.07	56.07	12.52	26.40	3.08	12.32	2.64	0.60	2.61	0.35	1.89	0.34	0.91	0.11	0.70	0.09	1.04	73.63	48.90	105.30	21.9	9.3		8.3	5.2	55.3
Tyro	19	5.6	7.96	51.46	10.36	22.17	2.60	10.51	2.25	0.52	2.26	0.30	1.64	0.30	0.80	0.09	0.61	0.08	0.92	62.48	49.31	108.96	46.6	5.3		6.2	7.3	34.6
Tyro	20	5.0	8.03	52.47	11.25	23.82	2.76	10.99	2.34	0.53	2.33	0.31	1.65	0.30	0.81	0.10	0.61	0.08	0.93	65.92	48.82	110.59	37.5	6.7	20.5	2.9	10.3	22.1
Tyro	25	nd	10.46	54.41	12.88	27.28	3.14	12.68	2.71	0.61	2.76	0.38	2.03	0.38	1.03	0.13	0.81	0.11	1.16	77.39	50.52	91.43	44.7	2.9		4.4	9.1	38.9
Tyro	26	nd	10.83	56.22	13.67	28.71	3.32	13.30	2.84	0.64	2.85	0.39	2.10	0.40	1.08	0.13	0.84	0.11	1.19	81.21	50.33	92.20	47.5	3.5		5.8	7.9	35.3
Tyro	36	nd	10.95	57.79	13.60	28.83	3.35	13.36	2.87	0.65	2.89	0.40	2.14	0.40	1.08	0.13	0.85	0.11	1.24	81.61	50.39	90.86	43.9	5.7		4.8	9.0	36.6
Tyro	37	nd	10.76	56.56	12.78	27.41	3.18	12.78	2.76	0.64	2.82	0.39	2.10	0.39	1.07	0.13	0.83	0.11	1.21	78.15	51.05	91.31	36.8	8.9		9.1	5.0	40.2
Tyro	38	nd	10.34	54.18	12.54	26.56	3.10	12.39	2.68	0.61	2.72	0.37	2.01	0.38	1.03	0.12	0.80	0.11	1.14	75.77	50.93	93.05	40.3	7.9		9.3	4.1	38.4
Tyro	39	nd	9.86	51.21	12.16	25.54	2.99	11.95	2.57	0.58	2.61	0.35	1.94	0.36	0.98	0.12	0.77	0.10	1.08	72.91	50.44	92.53	39.5	9.4		9.0	4.5	37.6
Tyro	40	nd	9.92	52.63	11.66	24.85	2.92	11.79	2.55	0.59	2.59	0.36	1.93	0.36	0.98	0.12	0.77	0.11	1.09	71.50	50.61	94.05	49.7	3.4		10.8	2.0	34.1
MEDEA	1	nd	8.56	37.90	12.10	26.82	2.97	11.85	2.50	0.57	2.50	0.33	1.76	0.32	0.86	0.10	0.64	0.08	0.81	71.96	48.89	90.72	39.4	2.0	20.0	10.2	3.7	24.7
MEDEA	2	nd	8.26	41.26	11.78	26.07	2.91	11.57	2.42	0.56	2.43	0.33	1.70	0.31	0.82	0.10	0.61	0.08	0.84	69.94	48.79	96.24	50.5	3.6		5.9	7.8	32.2
MEDEA	3	nd	8.69	50.21	13.24	28.34	3.22	12.70	2.65	0.60	2.62	0.34	1.81	0.33	0.88	0.10	0.65	0.09	0.92	76.26	48.61	106.77	48.1	4.6		6.8	6.6	33.9
MEDEA	4	3.6	9.42	59.51	13.76	28.66	3.34	13.07	2.75	0.63	2.71	0.37	1.92	0.35	0.94	0.12	0.70	0.10	1.01	78.81	49.16	115.01	26.5	7.9	13.6	4.9	8.0	39.1
MEDEA	5	3.6	10.56	56.93	12.89	27.50	3.13	12.45	2.66	0.60	2.71	0.37	2.00	0.37	1.03	0.12	0.81	0.11	1.11	77.33	52.15	100.43	46.6	2.6		8.2	5.0	37.6
MEDEA	6	nd	10.70	55.50	13.16	28.00	3.21	12.84	2.74	0.61	2.77	0.38	2.02	0.38	1.04	0.13	0.82	0.11	1.07	78.92	51.62	101.09	22.0	8.6	27.2	4.7	8.4	29.1
MEDEA	7	nd	10.74	54.28	13.27	27.96	3.24	13.02	2.77	0.61	2.81	0.38	2.06	0.39	1.06	0.13	0.83	0.11	1.06	79.37	51.11	99.66	49.0	6.7		6.5	6.6	31.2
MEDEA	28	nd	10.28	45.35	13.12	26.86	3.22	12.83	2.67	0.58	2.68	0.36	1.95	0.37	1.01	0.13	0.80	0.11	0.86	76.95	51.87	103.18	44.8	8.4		5.9	7.2	33.7
MEDEA	29	nd	9.92	42.96	12.45	25.82	3.04	12.18	2.54	0.55	2.56	0.34	1.88	0.36	0.97	0.12	0.77	0.11	0.81	73.61	51.41	103.12	44.5	7.5		6.5	6.7	34.8
MEDEA	30	4.2	8.83	36.63	10.74	22.29	2.65	10.54	2.22	0.47	2.25	0.30	1.65	0.31	0.86	0.11	0.69	0.09	0.71	64.00	52.30	100.09	42.3	7.8		7.3	5.8	36.8
MEDEA	31	4.4	9.77	38.98	11.43	23.92	2.82	11.34	2.41	0.53	2.46	0.33	1.83	0.35	0.95	0.12	0.75	0.10	0.73	69.11	51.93	103.70	42.5	9.5		7.2	6.0	34.8
MEDEA	37	7.3	8.14	24.07	7.88	15.77	1.93	7.80	1.69	0.39	1.80	0.25	1.42	0.28	0.77	0.10	0.62	0.08	0.47	48.90	54.49	99.99	50.1	3.8	10.5	7.0	5.5	23.1
MEDEA	38	5.5	10.00	47.46	11.86	24.88	2.89	11.57	2.50	0.55	2.54	0.34	1.87	0.35	0.96	0.12	0.76	0.10	0.93	71.29	52.38	99.45	41.1	4.0		12.0	0.8	42.1
MEDEA	39	3.5	10.86	57.93	13.66	29.02	3.32	13.25	2.81	0.62	2.84	0.38	2.08	0.39	1.07	0.13	0.83	0.11	1.10	81.37	51.79	102.50	37.0	5.9		5.0	7.7	44.4
MEDEA	40	5.0	10.64	54.17	13.27	28.32	3.22	12.89	2.75	0.60	2.78	0.38	2.02	0.38	1.03	0.13	0.81	0.11	1.05	79.31	52.02	100.17	19.3	7.7	19.1	3.4	9.1	41.4
MEDEA	41	4.8	10.26	47.26	12.57	26.14	3.02	12.01	2.52	0.57	2.59	0.35	1.89	0.36	0.99	0.12	0.77	0.11	0.90	74.26	52.77	102.12	33.3	6.8		6.0	7.1	46.8
MEDEA	42	5.0	9.30	36.39	10.95	22.30	2.62	10.32	2.18	0.49	2.25	0.31	1.66	0.33	0.90	0.12	0.72	0.11	0.72	64.56	52.34	98.85	42.8	6.8		7.9	5.3	37.2
Kryos	1	4.6	3.39	7.02	5.42	13.14	1.30	5.02	1.02	0.23	1.47	0.15	0.81	0.15	0.41	0.05	0.33	0.04	0.33	32.91	41.93	41.05						
Kryos	5	2.7	2.56	6.12	4.69	11.01	1.13	4.35	0.86	0.19	1.24	0.11	0.62	0.11	0.31	0.04	0.24	0.03	0.28	27.49	42.67	42.83						
Kryos	25	2.3	3.95	8.77	5.84	14.54	1.38	5.46	1.10	0.24	1.63	0.15	0.85	0.16	0.45	0.06	0.36	0.04	0.38	36.20	45.91	45.43						
Kryos	47	2.3	3.09	7.96	5.68	13.84	1.38	5.49	1.14	0.25	1.58	0.15	0.77	0.14	0.37	0.04	0.29	0.03	0.37	34.23	41.61	42.27						
Thetis	1	0.3	4.59	7.71	6.78	15.88	1.69	6.73	1.41	0.30	1.99	0.18	0.98	0.18	0.48	0.06	0.35	0.04	0.32	41.64	48.44	47.18						
Thetis	5	0.3	4.25	6.79	5.95	14.19	1.51	6.06	1.28	0.28	1.81	0.17	0.91	0.16	0.44	0.05	0.33	0.04	0.28	37.43	48.18	46.45						
Thetis	26	1.8	5.37	10.60	8.01	17.45	1.85	7.40	1.55	0.34	2.22	0.21	1.11	0.20	0.56	0.07	0.42	0.05	0.39	46.81	48.92	53.52						
Thetis	51	nd	7.40	13.83	10.31	22.50	2.29	9.25	1.98	0.43	2.90	0.27	1.48	0.27	0.76	0.09	0.59	0.07	0.52	60.60	50.26	51.53						