

Online Resource 1 (article Jacquat et al.)

Zn contents of the acid-digested limestone from Lausen, Schleifenberg, Vergisson, Davayé, Lucy-le-Bois and Pichoux sections (Tables OR1-EA6), and a comparison between acid extractable Zn and Cd content in the limestone selected for spectroscopic analysis (Fig. OR1).

Table OR1. Acid-extractable Zn contents of the Lausen section.

Sample Name	Depth (cm)	Zn ^a (mg/kg)
La2	48	16
La3	65	16
La4	112	20
La6	167	bdl
La7	192	bdl
La8	217	11
La9	237	bdl
La10	292	bdl
La11	306	bdl
La13	371	bdl
La14b	506	30
La16	591	12
La18	641	178
La19	671	16
La20	701	18
La21	746	bdl
La24BL4	788.375	24
La24E-L4	788.375	29
La24BP4	788.75	690
La24E-P3	789	181
La24C-b	790	98
La24BL3	790.125	55
La24E-L3	790.125	29
La24BP3	790.25	1144
La24	791	485
La24E-P2	791	3576
La24BP2	791.75	2289
La24BL2	791.875	424
La24E-L2	791.875	92
La24C-h	792	100
La24E-P1	793	101
La24BP1	793.25	88
La24BL1	793.625	182
La24E-L1	793.625	48
La25	808.5	10
La26	828.5	bdl
La28	853	11
La29	938	bdl
La30	1023	bdl

^abdl: values below detection limit of 10 mg/kg.

Table OR2. Acid-extractable Zn contents of the Schleifenberg section.

Sample Name	Depth (cm)	Zn ^a (mg/kg)
S156	0	381
S155	35	12
S154	100	87
S153	120	89
S152	170	28
S151	245	324
S150	305	48
S149	360	28
S148	465	bdl
S147	505	25
S146	595	bdl
S145	650	bdl
S144	700	10
S143	740	bdl
S142	805	bdl
S141	825	bdl
S140	900	bdl
S139	950	bdl
S138	995	bdl
S137	1090	23
S136	1140	14
S135	1225	23
S134	1270	15
S133	1330	bdl
S132	1345	15
S131	1400	36
S130	1460	10
S128	1555	10
S127	1620	15
S126	1710	14
S124	1765	15
S123	1830	18
S122	1880	bdl
S120	2010	bdl
S119	2065	14
S118	2135	16
S116	2225	15
S115	2310	12
S113	2460	bdl
S112	2520	29
S111	2580	24
S109	2645	33
S107	2745	15

^abdl: values below detection limit of 10 mg/kg.

Table OR2. continued.

Sample Name	Depth (cm)	Zn ^a (mg/kg)
S106	2820	15
S105	2880	25
S104	2970	16
S103	3065	11
S101	3175	bdl
S100	3220	17
S99	3285	16
S98	3360	13
S94	3610	20
S85	4170	13
S84	4260	18
S83	4310	18
S81	4440	24
S80	4490	18
S76	4710	bdl
S74	4800	bdl
S70	5040	bdl
S68	5130	bdl
S67	5185	31
S65	5345	19
S64	5450	37
S63	5500	16
S61	5640	13
S58	5830	bdl
S55	5940	bdl
S52	6160	bdl
S51	6225	bdl
S50	6300	bdl
S47	6495	bdl
S46	6525	bdl
S45	6635	bdl
S44	6665	bdl
S43	6755	bdl
S42	6845	bdl
S41-1	6925	bdl
S40	6980	bdl
S39	7050	bdl
S38	7195	bdl
S37	7280	bdl
S36	7300	bdl
S35	7360	bdl
S34	7460	bdl
S34CR	7465	bdl
S33	7505	bdl

Table OR2. continued.

Sample Name	Depth (cm)	Zn ^a (mg/kg)
S32	7650	95
S31	7685	18
S30	7770	14
S29	7830	45
S28	7930	bdl
S27	7990	bdl
S26	8070	bdl
S25	8120	bdl
S24	8200	bdl
S23	8270	40
S22	8290	bdl
S21	8355	bdl
S20	8430	24
S19	8495	bdl
S18	8555	21
S16	8685	26
S12	8940	bdl
S9	9115	10
S5	9280	13
S1	9495	21

^abdl: values below detection limit of 10 mg/kg.

Table OR3. Acid-extractable Zn contents of the Vergisson section.

Sample Name	Depth (cm)	Zn ^a (mg/kg)
Ve36	100	16
Ve35h	225	15
Ve34	360	bdl
Ve33	420	11
Ve32	440	17
Ve31	480	bdl
Ve30	530	bdl
Ve29	635	28
Ve28	650	31
Ve27b	695	37
Ve26	800	29
Ve25	860	12
Ve23b	985	26
Ve22	1050	53
Ve20	1265	14
Ve19	1415	bdl
Ve17	1857	13
Ve16	1895	49
Ve15	1950	71
Ve14	1985	10
Ve13b	2035	19
Ve11	2150	20
Ve10	2205	bdl
Ve8	2415	28
Ve7	2495	bdl
Ve6	2515	bdl
Ve5	2640	bdl
Ve4	2740	bdl
Ve3-2h	2790	bdl
Ve2	3025	bdl
Ve1	3095	bdl
Ve0	3125	bdl

^abdl: values below detection limit of 10 mg/kg.

Table OR4. Acid-extractable Zn contents of the Davayé section.

Sample Name	Depth (cm)	Zn ^a (mg/kg)
Da5'	0	bdl
Da4'	85	25
Da3'	150	26
Da2'h	275	38
Da1'	345	59
Da10	395	51
Da9	425	19
Da8b	475	15
Da8	545	16
Da7	550	24
Da6	565	13
Da5	575	bdl
Da4a	605	105
Da3	620	52
Da2	635	26
Da1b	650	bdl
Da1	715	19

^abdl: values below detection limit of 10 mg/kg.

Table OR5. Acid-extractable Zn contents of the Lucy-le-Bois section.

Sample Name	Depth (cm)	Zn ^a (mg/kg)
LU1	0	178
LU2	30	240
LU3	80	bdl
LU4	125	bdl
LU5	220	bdl
LU6	285	bdl
LU7	330	bdl
LU8	390	bdl
LU9	435	bdl
LU10	525	bdl
LU11	625	bdl
LU12	645	54
LU13	700	bdl
LU14	755	bdl
LU15	780	bdl
LU16	800	bdl
LU17	840	bdl

^abdl: values below detection limit of 10 mg/kg.

Table OR6. Acid-extractable Zn content of the Pichoux section.

Sample Name	Depth (cm)	Zn ^a (mg/kg)
Pi2	19.53	bdl
Pi7	74.87	bdl
Pi11	123.70	19
Pi15	175.78	bdl
Pi17	251.30	bdl
Pi20	277.34	bdl
Pi23	328.78	38
Pi26	382.81	14
Pi28	430.99	bdl
Pi34	477.86	bdl
Pi37	520.83	bdl
Pi40	628.26	bdl
Pi61	693.36	bdl
Pi65	729.17	bdl
Pi68	761.72	19
Pi71	855.47	bdl
Pi72	963.54	bdl
Pi74	1002.60	bdl
Pi76	1080.73	bdl
Pi78	1126.30	12
Pi79	1158.85	bdl
Pi82	1247.40	bdl
Pi85a	1287.76	bdl
Pi86	1352.86	bdl
Pi88	1416.02	bdl
Pi89a	1455.08	bdl
Pi90	1536.46	bdl
Pi91	1559.90	bdl
Pi92	1643.88	10
Pi94	1689.45	bdl
Pi95	1820.31	bdl
Pi97	1884.77	bdl
Pi99	1927.08	bdl
Pi100	1967.45	bdl
Pi101	2097.66	bdl
Pi103	2162.76	bdl
Pi104	2216.15	bdl
Pi107	2285.16	bdl
Pi108b	2311.20	bdl
Pi110	2394.53	bdl
Pi113	2581.38	18
Pi114	2799.48	bdl
Pi116	2826.82	bdl

^abdl: values below detection limit of 10 mg/kg.

Table OR6. continued.

Sample Name	Depth (cm)	Zn ^a (mg/kg)
Pi118	2852.86	bdl
Pi120	3095.05	bdl
Pi128	3591.54	bdl
Pi133	3829.17	bdl
Pi134	3870.83	bdl
Pi135	3911.20	bdl
Pi136	4132.55	bdl
Pi137	4191.15	bdl
Pi138	4385.81	bdl
Pi139	4467.19	13
Pi140	4563.54	12
Pi141	4611.72	bdl
Pi143	4685.29	10
Pi144	4726.30	16
Pi145	4795.96	bdl
Pi146	4975.00	bdl
Pi149	5019.27	bdl
Pi151	5079.17	bdl
Pi153	5147.53	bdl
Pi157	5267.97	bdl
Pi158	5349.35	bdl
Pi159	5466.54	bdl
Pi161	5588.28	bdl
Pi163	5663.80	bdl
Pi164	5769.27	bdl
Pi167	6037.50	bdl
Pi168	6073.96	bdl
Pi171	6424.87	bdl
Pi173	6755.60	bdl
Pi174	6855.21	bdl
Pi176	7418.36	bdl
Pi177	7493.23	bdl
Pi178	7521.22	12
Pi179	7728.26	bdl
Pi180	7756.90	bdl
Pi184	7909.90	bdl
Pi185	7973.05	bdl

^abdl: values below detection limit of 10 mg/kg.

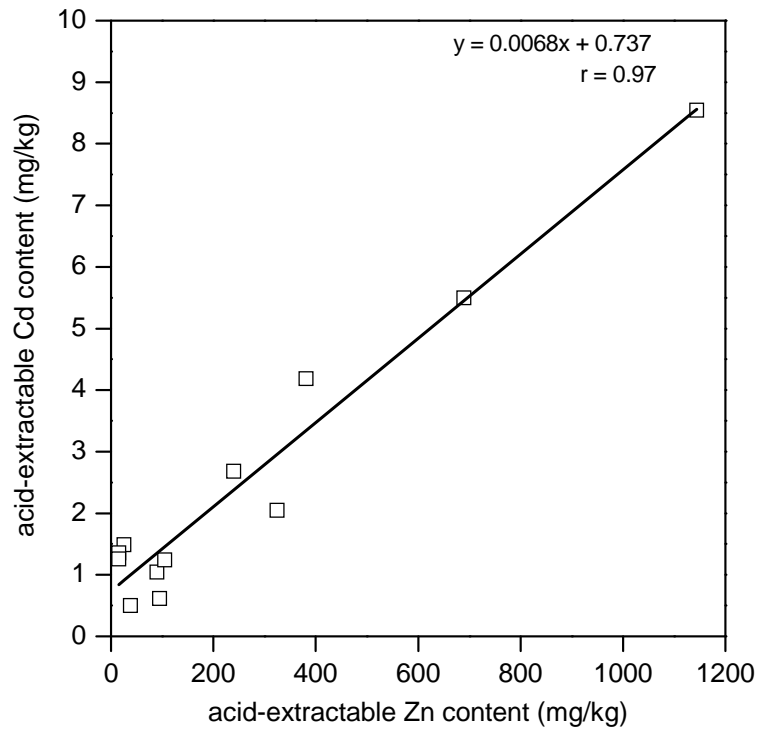


Figure OR1. Comparison between acid-extractable Zn and Cd content in the limestone selected for spectroscopic analysis (Table 1).