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Table 1a Average major and trace elemental concentrations found in samples from different negative features and background soils. Silchester Insula IX.

Values in mg/kg dry weight

	V	Cr	Co	Ni	Cu	Zn	Rb	Sr	Y	Zr	Pb	Na	Mg	Al	Si	P	K	Ca	Ti	Mn	Fe
Well/Cess	26.38	52.82	7.21	11.00	32.86	74.79	59.33	96.11	13.29	<u>295.7</u>	46.06	684	1998	40109	388374	4327	9234	11883	2764	949	17372
Well	19.90	49.70	4.93	7.43	21.70	48.00	52.43	82.83	12.37	<u>299.3</u>	24.07	653	1474	35023	393360	3056	8276	15866	2688	483	<u>13642</u>
Cess	32.69	55.69	9.20	14.14	42.29	98.31	65.71	108.34	14.17	<u>290.8</u>	65.29	710	2481	44837	383782	5449	10130	8660	2830	1342	20770
Pits	32.61	57.76	9.71	12.74	46.46	99.47	65.33	128.60	13.89	<u>339.4</u>	40.65	961	2168	38526	386016	6378	10329	10089	3131	1384	20378
Post Hole	21.99	48.85	6.90	9.06	34.32	64.94	58.62	90.68	11.63	<u>324.4</u>	35.15	883	1526	34607	394201	4056	8722	7118	2941	728	16414
Ditch/Gully	21.46	44.86	7.21	9.46	33.06	74.13	56.17	88.84	11.56	<u>267.5</u>	38.59	704	1420	33066	400954	4694	7884	6504	2494	972	17015

Figures in bold represent those above average background concentration with those underlined being below average background concentration.

Background samples

Bagshot Beds	65.00	70.00	4.50	8.50	7.00	23.75	64.50	42.75	17.00	461.8	25.75	1243	2337	38895	402285	371	14983	644	3537	173	15570
Silchester Gravels	37.00	47.00	5.00	6.00	18.00	39.00	45.00	31.00	15.00	417.0	43.00	1187	241	17669	433810	1135	7056	429	3297	462	8598
London Clay	77.67	86.00	14.67	21.00	11.00	41.67	71.00	56.67	25.33	502.3	19.33	1632	4282	45653	367963	655	15523	2288	4077	231	39773
MEAN background	59.89	67.67	8.06	11.83	12.00	34.81	60.17	43.47	19.11	460.4	29.36	1354	2287	34072	401353	720	12521	1120	3637	289	21314

Table 1b Average organic matter content (loss on ignition at 500 degrees C)

Well/Cess	2.73
Well	2.4
Cess	2.97
Pits	2.94
Post Holes	3.58
Ditch/Gully	2.64