

**Table S4. Results of ICP-MS analysis.**

Sample	ID	Li	Na	Mg	Si	P	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Rb	Sr	Y	Zr	Nb	Ba	La	Ce	Pb
Clay sample	P7	27.18	11935.12	32995.32	37363.89	191.67	31485.52	274957.70	3.47	1870.60	95.22	44.70	371.57	27469.79	11.03	8.10	7.60	17.83	20.52	154.74	7.48	65.97	5.03	78.64	6.84	15.52	14317.41
Clay sample	P2	21.07	6866.23	5782.67	65390.21	134.63	47466.81	24061.42	2.77	2699.12	100.98	76.04	143.45	33766.58	8.05	18.50	10.92	22.82	17.70	112.55	3.05	85.63	7.32	236.99	2.46	7.18	11464.16
Clay sample	P1	47.41	9681.60	9054.13	75206.72	166.79	58676.38	15240.82	5.73	3547.08	140.01	148.77	166.92	39732.31	8.42	11.84	29.52	36.23	26.99	127.91	3.74	112.50	10.20	161.65	3.56	6.59	16570.34
Clay sample	P3	39.91	12612.17	5982.82	78503.44	253.41	41431.26	13222.61	5.05	3650.53	180.87	62.28	187.98	49856.55	11.75	8.85	14.83	32.26	21.35	64.84	4.85	130.10	11.20	140.22	4.29	9.06	16334.92
Clay sample	P4	48.08	6306.09	8452.97	77392.03	223.60	41431.26	9544.35	3.62	2378.81	94.30	76.04	137.89	34353.50	6.70	0.00	11.14	27.05	15.79	51.78	2.81	86.68	7.54	134.31	3.47	7.79	12030.96
Clay sample	P5	44.95	8828.52	10247.96	79005.72	261.75	41431.26	10423.73	4.47	2694.59	76.83	84.62	147.59	32081.76	6.90	0.00	10.97	28.40	20.90	55.51	4.07	100.86	8.51	156.05	4.60	8.74	13343.64
Clay sample	P6	36.70	10089.74	10475.17	84118.05	409.29	41431.26	12046.40	4.27	1973.79	65.06	85.19	111.81	22332.20	4.93	0.00	15.70	22.15	25.65	67.09	5.53	77.14	6.80	180.11	6.23	13.69	19549.45
Ubaid Ware	U10	34.96	7000.29	21603.60	64296.68	265.48	30602.96	290326.76	14.78	2831.01	113.75	143.04	498.67	39325.55	19.45	92.44	17.07	22.48	32.25	464.01	11.09	69.58	8.01	1273.45	10.54	23.52	14396.93
Ubaid Ware	U1C	30.46	7568.66	17523.45	62697.02	518.17	27717.48	256384.47	10.11	2650.15	98.04	180.66	473.67	36039.70	20.15	94.83	22.27	23.63	21.24	545.19	6.62	57.58	7.63	742.75	5.51	12.93	14749.77
Ubaid Ware	U2	25.11	8116.34	19628.04	58983.39	295.73	23103.76	309094.09	13.91	2787.78	107.70	156.42	521.49	37331.42	21.94	83.57	17.05	22.88	13.71	472.46	10.52	77.22	8.31	1191.97	10.31	23.13	13457.17
Ubaid Ware	U5	35.68	8487.14	22046.19	46504.22	397.96	5656.13	375160.73	16.62	2768.24	124.37	132.16	524.58	43108.38	23.65	86.96	17.76	29.30	4.89	298.26	12.12	95.77	7.90	179.71	10.53	23.48	16752.19
Ubaid Ware	U6	29.47	6214.54	17380.02	56025.26	251.66	27465.53	262485.98	12.03	2407.09	100.36	115.04	441.94	33912.50	17.32	78.31	14.81	25.65	28.95	362.98	9.17	61.64	7.23	362.13	9.04	19.46	14170.36
Ubaid Ware	U7	32.40	6623.58	22147.22	56945.22	222.54	8682.86	322607.86	12.82	2785.69	115.45	129.91	510.70	38416.03	22.20	98.49	21.34	28.05	7.89	267.69	9.70	77.89	7.98	413.72	11.27	24.06	16480.29
Ubaid Ware	U9	26.64	7667.41	17060.35	56527.33	438.15	22661.80	273758.80	14.06	2544.18	107.39	158.49	464.99	31766.47	19.10	74.93	16.68	22.50	10.97	452.62	9.23	68.71	7.69	498.85	8.29	18.71	17055.28
Ubaid Ware	U16	28.34	8133.29	19342.42	60505.46	229.09	21708.28	251797.64	12.77	2698.40	104.62	166.96	471.50	35389.72	19.46	86.21	15.33	24.44	13.60	296.22	8.22	61.74	8.27	398.22	7.97	18.14	13499.36
Ubaid Ware	U17	23.97	7180.95	19662.69	45040.26	188.53	19304.52	287055.43	12.70	2109.75	73.85	167.39	383.34	28081.01	17.82	68.13	12.04	16.82	14.46	453.98	8.05	50.78	5.75	737.72	8.35	17.98	9167.21
Ubaid Ware	U27	25.53	6379.41	16631.86	58544.43	241.36	27982.51	212993.08	8.43	3015.28	107.03	165.62	438.79	38574.81	19.83	91.15	22.19	25.57	25.05	240.88	4.91	68.96	9.15	432.67	7.05	16.36	18532.87
Ubaid Ware	U33	11.85	8286.53	14949.52	35447.35	195.38	14885.46	260671.49	4.82	2301.24	89.34	161.62	389.18	28644.66	19.54	67.03	13.28	17.80	7.57	256.60	3.46	70.06	6.82	321.98	5.92	13.50	11631.84
Ubaid Ware	U39	19.34	5844.15	11593.99	41115.59	199.61	22030.98	203332.96	8.06	2146.37	87.83	119.31	375.20	24666.11	15.17	59.23	11.49	18.64	14.25	290.39	4.33	49.52	6.76	467.57	4.42	10.30	16694.54
Ubaid Ware	U41	13.95	9164.98	18746.56	49477.00	987.54	14320.43	248046.62	12.85	2414.04	88.17	123.10	447.79	32609.49	20.03	76.90	8.94	21.17	5.63	439.98	7.84	72.22	6.08	236.62	7.23	15.83	10969.09
Ubaid Ware	U42	30.35	8001.52	20539.22	59888.64	422.90	11252.49	257766.83	16.63	2812.53	102.34	147.46	460.65	34836.98	19.21	83.53	17.88	25.47	5.73	243.17	8.72	62.59	8.59	283.15	7.40	19.02	14918.83
Ubaid Ware	U46	20.02	5769.44	21009.99	51130.40	186.48	17243.17	202527.76	14.13	3115.88	109.08	186.80	500.24	39327.54	19.69	97.75	14.56	20.50	13.50	183.07	7.46	76.14	8.52	246.93	9.06	20.34	12396.04
Ubaid Ware	U4	27.43	7545.69	13491.03	53480.14	320.10	12341.85	92091.30	16.02	6119.02	173.13	128.38	65533.06	14.86	13.12	32.08	72.59	44.30	297.28	6.58	138.71	8.38	803.82	6.18	15.25	23565.60	
Ubaid Ware	U10	19.07	3968.57	22240.37	32911.00	215.84	33098.27	268507.13	8.32	1946.31	70.98	135.99	415.31	25744.86	12.48	49.82	20.45	26.80	12.12	470.18	3.68	41.89	2.95	1383.31	10.59	26.05	16128.74
Ubaid Ware	U13	71.45	11636.84	58242.18	179605.42	621.02	11252.14	117292.30	40.95	9483.63	394.15	648.63	261.83	16370.65	7.96	31.13	9.76	12.84	7.95	239.47	3.20	35.25	4.17	264.57	3.47	8.05	4264.38
Ubaid Ware	U15	20.66	3972.05	20336.98	30873.51	126.51	18363.57	245852.09	14.00	1821.93	77.75	112.37	413.43	27093.47	11.72	66.89	18.87	29.39	8.53	188.88	4.13	48.49	2.57	599.55	11.84	27.27	16634.07
Ubaid Ware	U18	30.04	5965.01	28781.74	73234.63	194.09	31811.93	206322.49	17.64	3076.28	135.24	183.43	373.84	22798.11	19.88	98.43	15.94	22.35	21.22	401.45	9.13	102.17	5.51	469.05	10.15	23.90	12674.14
Coarse Red Ware	L1	21.07	5416.42	10963.77	35368.76	307.96	18800.79	288401.72	14.22	1809.23	79.19	251.29	292.47	19203.39	16.17	40.18	10.52	17.09	11.40	511.50	5.47	39.48	5.70	573.75	5.34	11.96	18239.56
Coarse Red Ware	L3	15.66	12880.90	6146.02	54252.13	306.39	42567.47	71215.53	7.50	3159.16	103.61	72.48	181.65	33271.95	10.09	6.59	12.87	19.08	17.52	216.03	4.36	65.00	8.90	306.01	4.05	11.58	12408.99
Coarse Red Ware	L4	29.75	6806.88	5453.58	56135.59	190.96	41230.91	80915.51	12.63	2735.42	116.30	91.07	141.19	30222.38	8.95	12.54	10.62	25.62	27.09	331.92	3.83	83.16	8.23	600.06	2.78	8.14	19222.46
Coarse Red Ware	L5	20.30	6999.02	3355.98	40285.01	98.57	28806.57	36400.97	10.19	1660.04	69.11	70.48	86.65	15375.45	5.02	6.68	13.03	17.26	21.99	108.45	1.82	42.50	5.13	319.97	1.57	3.40	14728.97
Coarse Red Ware	L9	16.61	4996.31	8436.94	39931.26	170.57	21944.20	129260.90	9.74	2047.24	87.58	90.98	245.77	24254.97	11.20	18.93	9.53	17.67	9.76	371.12	3.32	61.92	5.98	1672.37	2.91	8.45	14044.37
Coarse Red Ware	L10	16.52	6146.54	7100.02	25982.91	251.87	20232.94	116134.25	13.95	1471.79	62.67	152.77	182.28	15360.89	8.58	17.92	9.21	15.55	14.70	520.87	2.96	42.74	4.20	1317.56	2.44	6.41	16347.69
Coarse Red Ware	L11	23.28	4022.31	12891.16	32581.18	229.42	17895.23	169956.62	14.03	1520.44	48.62	114.75	236.36	17795.27	11.20	39.64	9.96	14.86	17.51	378.30	7.66	39.04	4.55	410.34	7.06	15.30	7233.22
Coarse Red Ware	L12	21.79	3553.63	11044.71	40354.77	170.16	22913.52	90535.93	12.65	2115.25	71.14	66.35	231.33	26797.34	9.03	22.99	11.35	22.15	13.73	175.95	4.48	67.10	6.26	879.25	5.30	13.14	11064.17
Coarse Red Ware	L16	18.57	5989.85	2670.54	38004.47	92.82	27842.30	23982.03	9.88	1793.39	59.01	41.67	81.47	17982.18	4.31	6.28	4.87	14.20	16.51	107.35	1.34	47.35	5.39	163.87	0.83	2.44	9405.83
Coarse Red Ware	L19	21.28	4719.49	3533.29	46320.75	99.88	30687.87																				