

Appendix C

Geochemical Data

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Sherds and clay test tiles were sawed into three pieces using a water-cooled, diamond-coated slow speed saw blade. One piece from each sample was shipped to MURR.

Once at MURR, fragments of about 1 cm² were removed from each sample and abraded using a silicon carbide burr in order to remove adhering soil and exterior surfaces, thereby reducing the risk of measuring contamination. The samples were washed in deionized water and allowed to dry in the laboratory. Once dry, the individual sherds were ground to powder in an agate mortar to homogenize the samples. Archival samples were retained from each sherd (when possible) for future research. Clay, rock, and sand samples were fired in a laboratory furnace to 700°C for one hour. Each sample was then ground into powder using an agate mortar.

Two analytical samples were prepared from each specimen. Portions of approximately 150 mg of powder were weighed into clean, high-density polyethylene vials used for short irradiations at MURR. At the same time, 200 mg of each sample were weighed into clean, high-purity quartz vials used for long irradiations. Individual sample weights were recorded to the nearest 0.01 mg using an analytical balance. Both vials were sealed prior to irradiation. Along with the unknown samples, reference standards made from SRM-1633a (coal fly ash) and SRM-688 (basalt rock) were similarly prepared, as were quality control samples (i.e., standards treated as unknowns) made from SRM-278 (obsidian rock) and Ohio Red Clay (a standard developed for in-house applications).

Neutron activation analysis of ceramics at MURR, which consists of two irradiations and a total of three gamma counts, constitutes a superset of the procedures used at most other NAA laboratories (Glascock 1992; Neff 1992, 2000). As discussed in detail by Glascock (1992), a short irradiation is carried out through the pneumatic tube irradiation system. Samples in the polyvials are sequentially irradiated, two at a time, for five seconds at a neutron flux of 8×10^{13} n/cm²/s. The 720-second count yields gamma spectra containing peaks for nine short-lived elements: aluminum (Al), barium (Ba), calcium (Ca), dysprosium (Dy), potassium (K), manganese (Mn), sodium (Na), titanium (Ti), and vanadium (V). The samples encapsulated in quartz vials are subjected to a 24-hour irradiation at a neutron flux of 5×10^{13} n/cm²/s. This long irradiation is analogous to the single irradiation utilized at most other laboratories. After the long irradiation, samples decay for seven days and then are counted for 1,800 seconds (the “middle count”) on a high-resolution germanium detector coupled to an automatic sample changer. The middle count yields data for seven medium half-life elements, namely arsenic (As), lanthanum (La), lutetium (Lu), neodymium (Nd), samarium (Sm), uranium (U), and ytterbium (Yb). After an additional three- or four-week decay, a final count of 8,500 seconds is carried out on each sample. The latter measurement yields data for 17 long half-life elements: cerium (Ce), cobalt

(Co), chromium (Cr), cesium (Cs), europium (Eu), iron (Fe), hafnium (Hf), nickel (Ni), rubidium (Rb), antimony (Sb), scandium (Sc), strontium (Sr), tantalum (Ta), terbium (Tb), thorium (Th), zinc (Zn), and zirconium (Zr).

The analyses at MURR produced elemental concentration values for 32 or 33 elements in most of the analyzed samples. Tables C.1–C.3 present the data in parts per million of the element, with missing values (i.e., not detected) indicated by the presence of zeroes (i.e., 0.000).

Table C.1. Element Concentrations as Measured by Neutron Activation Analysis (As-Fe).

Sample Number ^a	As (ppm)	La (ppm)	Lu (ppm)	Nd (ppm)	Sm (ppm)	U (ppm)	Yb (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Eu (ppm)	Fe (ppm)
FBR002	23.594	71.736	0.420	67.269	13.992	6.952	2.281	140.222	4.561	215.075	4.446	2.700	82236.800
FBR003	6.249	22.819	0.294	10.854	2.270	2.079	1.827	41.785	1.632	37.250	1.069	0.304	16592.800
FBR004	0.851	52.504	0.511	39.277	8.016	4.006	3.450	104.917	10.886	38.725	1.767	1.120	23043.100
FBR005	1.362	31.565	0.301	19.891	4.423	2.698	1.967	62.906	2.552	40.955	2.592	0.778	8148.100
FBR006	4.525	96.267	0.400	48.206	8.163	3.713	2.663	166.942	7.794	122.760	2.651	1.514	22807.100
FBR007	11.396	74.926	0.533	68.076	14.162	5.988	3.504	158.713	4.832	82.224	1.386	2.948	25343.900
FBR008	1.002	44.772	0.613	33.581	7.390	6.680	3.769	87.764	5.337	81.490	1.315	1.179	15062.800
FBR009	0.000	54.662	0.506	33.114	7.068	5.597	3.047	87.843	3.818	91.100	1.665	1.354	16063.600
FBR010	0.912	50.542	0.659	37.432	7.900	5.879	4.088	100.759	1.776	43.165	1.375	0.595	6375.200
FBR011	1.291	20.858	0.276	17.074	3.588	2.205	1.842	42.672	10.720	41.899	3.206	0.695	14794.900
FBR012	3.913	24.053	0.355	21.455	4.541	3.064	2.342	50.314	8.376	51.760	3.214	0.916	32838.800
FBR013	2.830	17.722	0.334	12.790	2.704	2.648	2.059	32.395	7.107	52.294	3.511	0.530	29444.700
FBR014	6.213	27.111	0.509	25.832	5.552	3.087	3.360	66.924	22.703	58.120	3.881	1.331	45434.700
FBR016	4.409	38.184	0.461	31.768	6.782	2.623	3.135	84.459	20.256	64.476	3.286	1.378	39500.800
FBR017	1.216	35.030	0.735	26.108	5.997	2.204	5.831	65.064	27.713	42.627	0.941	1.530	53318.300
FBR019	3.622	44.676	0.494	33.825	6.839	4.478	3.325	76.891	14.694	98.689	6.009	1.496	38797.300
FBR020	3.515	52.366	0.497	44.621	8.938	3.124	3.580	99.657	19.533	94.105	6.198	1.967	45473.000
FBR021	2.711	54.719	0.487	41.386	8.321	4.739	3.297	102.590	17.211	94.805	7.084	1.795	25718.700
FBR023	4.042	29.298	0.400	24.401	4.901	3.858	2.514	58.068	7.680	100.562	5.928	0.957	39377.400
FBR027	6.801	59.789	0.592	50.426	10.518	3.555	4.239	131.058	29.595	96.909	7.140	2.386	61514.300
FBR029	4.970	18.652	0.403	17.715	3.908	1.886	2.840	31.870	12.689	75.509	2.714	1.002	31593.900
FBR030	8.029	24.976	0.518	18.921	3.794	2.825	3.596	44.620	5.007	84.033	9.618	0.856	55224.300
FBR035	9.382	13.983	0.263	9.400	2.207	3.423	1.481	26.701	10.561	58.103	7.048	0.406	61965.900
FBR040	3.280	17.177	0.202	10.737	2.157	3.154	1.202	30.629	5.377	40.824	6.276	0.410	35678.000
FBR041	1.219	10.933	0.223	6.588	1.850	3.934	0.925	20.757	3.293	30.838	3.483	0.365	20710.000
FBR048	7.082	22.521	0.441	23.578	4.904	2.193	3.079	54.374	12.652	79.468	5.489	1.135	35703.500
FBR049	2.146	27.362	0.422	24.136	5.729	1.964	3.130	54.062	11.895	65.476	4.371	1.406	34194.200
FBR051	5.083	25.360	0.444	23.630	5.282	1.771	3.058	57.127	15.538	72.295	4.928	1.278	35968.800
FBR054	8.208	20.983	0.416	19.613	4.367	1.773	2.836	48.048	16.841	80.662	3.860	1.033	33488.300
FBR055	10.374	21.871	0.426	20.015	4.563	1.564	2.938	52.217	22.063	68.511	4.451	1.100	45839.100
FBR058	2.893	25.886	0.372	22.483	5.076	1.861	2.820	48.974	7.551	47.610	3.036	1.236	27666.600
FBR059	2.806	55.201	0.571	53.042	11.455	6.268	3.818	115.106	2.802	58.844	1.074	2.058	9241.500

Table C.1. Element Concentrations as Measured by Neutron Activation Analysis (As-Fe) (continued).

Sample Number ^a	As (ppm)	La (ppm)	Lu (ppm)	Nd (ppm)	Sm (ppm)	U (ppm)	Yb (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Eu (ppm)	Fe (ppm)
FBR067	3.429	92.295	0.704	93.478	21.288	7.878	5.040	201.202	6.475	119.736	3.685	4.836	10472.200
FBR071	7.492	25.993	0.468	25.509	5.544	4.049	3.182	59.652	14.418	55.006	4.415	1.185	38110.500
FBR074	7.107	27.203	0.382	22.928	4.871	4.026	2.549	55.396	9.617	46.936	3.796	0.953	28953.900
FBR077	6.837	38.099	0.492	34.124	7.407	2.308	3.710	78.268	22.730	82.131	7.945	1.660	56235.300
FBR080	4.623	24.220	0.452	21.094	4.970	1.661	3.263	55.374	13.602	46.309	4.216	1.232	24842.500
FBR081	3.311	22.764	0.338	17.517	3.614	2.682	2.254	45.117	1.456	42.210	1.414	0.454	18143.300
FBR082	2.174	34.572	0.406	26.119	5.137	4.795	2.530	64.042	3.284	89.585	6.100	0.955	20431.400
FBR083	3.670	15.975	0.369	13.531	2.929	1.272	2.613	32.432	2.082	2.096	3.363	0.581	13408.500
FBR084	4.668	24.443	0.291	16.619	3.134	2.876	1.939	42.370	3.451	81.047	5.134	0.537	23204.900
FBR085	1.712	22.356	0.256	14.581	2.861	1.959	2.026	37.620	3.462	65.097	5.561	0.485	25990.900
FBR086	0.560	0.096	0.000	0.000	0.017	0.000	0.008	0.138	0.151	0.343	0.108	0.006	393.400
FBR087	0.000	1.101	0.010	0.632	0.118	0.000	0.083	1.880	0.056	0.391	0.060	0.029	101.500
FBR088	2.671	17.618	0.211	22.043	4.830	0.681	1.448	40.814	27.843	55.417	1.741	1.270	64908.500
FBR089	0.000	31.960	0.441	24.894	5.064	2.775	3.278	85.735	3.209	2.706	1.496	1.250	15275.600
FBR090	5.001	30.786	0.400	23.821	4.951	3.387	2.726	60.756	2.437	55.190	3.719	0.811	18140.100
FBR091	0.000	8.035	0.473	8.759	3.017	0.000	3.581	18.261	59.677	87.632	0.479	1.084	92692.000
FBR092	0.514	7.649	0.076	6.215	1.239	0.919	0.447	15.288	0.298	4.798	0.133	0.092	1239.500
JMH001	0.000	99.573	0.597	88.442	16.525	4.707	5.056	201.871	13.332	96.040	14.652	3.702	56657.600
JMH002	2.905	49.728	0.466	48.391	9.153	2.394	3.424	113.475	18.575	70.817	2.078	2.104	34714.000
JMH003	3.459	19.271	0.284	17.785	3.367	1.990	2.207	40.828	8.247	79.967	3.101	0.711	43108.000
JMH004	0.000	30.408	0.415	27.681	5.047	3.006	2.729	63.644	12.798	92.270	3.436	0.960	39329.400
JMH005	5.247	33.117	0.467	32.021	5.847	2.361	3.151	74.602	10.259	111.235	3.608	1.105	44259.100
JMH006	6.488	14.073	0.314	18.459	3.569	0.000	2.352	25.840	34.253	116.213	1.546	1.129	78398.100
JMH007	5.988	96.570	0.740	115.844	20.561	2.901	5.180	242.706	9.314	66.070	1.606	4.727	57486.700
JMH008	0.000	23.345	0.362	22.413	4.160	3.244	2.245	50.033	6.713	63.240	3.812	0.922	27035.200
JMH009	0.000	56.936	0.424	47.532	8.398	3.473	2.921	118.273	12.288	69.377	5.232	1.920	38941.600
JMH010	0.000	15.828	0.299	12.333	2.377	2.244	2.055	31.624	8.121	60.641	2.020	0.333	26525.400
JMH011	8.360	19.163	0.305	12.624	2.962	3.420	1.998	37.882	3.802	86.411	3.246	0.445	71261.300
JMH012	0.000	94.441	0.480	103.917	16.966	4.465	4.139	244.006	9.250	74.443	3.371	3.496	32402.100
JMH013	0.000	61.274	0.511	67.970	11.409	2.668	4.038	133.113	4.819	126.901	5.171	2.508	25383.700
JMH014	4.715	22.037	0.450	20.829	5.013	0.922	3.061	71.276	67.643	474.600	2.844	1.201	87132.700
JMH015	0.000	55.782	0.538	39.592	7.783	3.947	3.868	114.630	4.372	34.050	2.695	1.245	28877.200

Table C.1. Element Concentrations as Measured by Neutron Activation Analysis (As-Fe) (continued).

Sample Number ^a	As (ppm)	La (ppm)	Lu (ppm)	Nd (ppm)	Sm (ppm)	U (ppm)	Yb (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Eu (ppm)	Fe (ppm)
JMH016	2.016	36.615	0.347	29.595	6.067	3.476	2.393	68.522	10.240	85.039	5.567	1.148	38107.800
JMH017	7.811	52.746	0.576	53.838	10.647	4.704	4.111	112.068	12.653	143.882	2.904	2.231	29814.900
JMH018	3.377	40.046	0.522	43.235	7.856	7.514	3.508	88.014	6.944	90.420	2.774	1.543	21778.900
JMH019	12.366	44.969	0.477	44.061	8.603	4.745	3.282	109.287	8.886	79.011	3.273	1.540	30943.300
JMH020	10.078	77.515	0.449	71.281	13.067	4.269	3.267	163.849	16.298	84.747	3.949	2.902	87631.100
JMH021	9.806	53.686	0.430	40.444	7.952	4.962	2.572	119.003	10.358	90.667	4.903	1.557	56558.900
JMH022	0.000	38.554	0.365	37.422	7.058	3.191	2.483	87.955	7.926	69.065	4.353	1.638	18654.200
JMH023	0.000	28.384	0.394	18.198	4.434	4.246	2.226	59.583	6.259	88.280	3.784	0.775	37904.800
JMH024	0.000	42.246	0.547	38.289	7.604	4.250	3.727	97.137	10.429	82.155	2.247	1.401	47858.300
JMH025	8.630	48.626	0.518	41.729	7.452	5.052	3.754	92.921	15.614	69.897	3.307	1.469	80846.200
JMH026	0.000	55.737	0.469	45.921	10.203	3.472	3.063	123.486	14.153	99.842	15.946	2.043	62416.600
JMH027	0.000	32.739	0.403	28.616	5.471	3.601	2.640	70.133	8.694	69.044	1.898	0.897	40833.800
JMH028	2.109	68.977	0.548	65.450	12.622	4.855	4.629	152.880	19.697	84.613	3.134	2.746	37861.900
JMH029	0.000	24.593	0.507	21.214	4.966	3.355	3.882	61.501	8.516	86.277	2.127	0.953	31953.600
JMH030	3.076	23.765	0.478	23.100	4.968	3.619	3.788	60.650	8.810	87.351	1.939	0.971	32413.600
JMH031	3.522	17.866	0.297	16.288	3.459	2.455	2.179	39.587	22.506	376.716	1.594	0.800	45417.800
JMH032	9.648	11.850	0.172	10.752	2.606	0.000	1.817	23.827	30.098	425.733	1.427	0.682	60026.100
JMH033	71.267	38.655	0.540	35.062	8.294	5.091	4.055	83.758	21.952	93.851	5.201	1.757	46638.900
JMH034	11.308	17.692	0.261	13.446	2.804	0.000	2.035	29.684	34.820	296.490	1.375	0.858	61965.100
JMH035	0.000	22.712	0.330	13.378	4.249	1.148	1.979	57.453	13.275	159.235	1.159	1.118	36362.200
JMH036	3.663	10.713	0.161	9.714	2.680	1.333	1.227	24.652	12.651	71.202	0.773	0.817	42734.100
JMH037	4.925	24.181	0.637	28.847	5.819	0.000	4.589	61.979	17.528	173.651	7.522	1.410	37654.000
JMH038	0.000	104.457	0.616	77.848	12.623	5.870	4.799	184.168	11.974	57.802	2.818	2.214	44114.600
JMH039	0.000	13.420	0.214	11.394	1.961	1.497	1.262	17.122	14.507	60.640	0.707	0.536	37293.500
JMH040	8.203	26.245	0.193	38.895	5.731	2.355	1.369	55.823	14.544	84.140	2.371	1.315	59591.200
JMH041	0.000	15.182	0.228	11.437	2.531	1.993	1.182	28.145	6.209	51.287	2.467	0.565	21430.800
JMH042	0.000	13.241	0.208	14.561	2.120	1.172	1.204	23.774	6.111	54.559	2.702	0.500	22842.300
JMH043	0.000	20.328	0.329	11.931	3.506	0.000	1.982	36.652	21.692	64.131	1.372	0.906	72439.600
JMH044	0.000	37.379	0.465	29.664	6.610	22.413	1.950	73.472	3.527	30.390	4.013	0.982	15407.400
JMH045	3.585	20.398	0.202	27.389	4.432	0.000	1.427	40.047	15.050	57.936	2.432	1.384	50409.600
JMH046	0.000	5.526	0.139	0.000	1.492	0.000	1.108	8.395	30.566	138.697	0.372	0.510	47952.900
JMH047	0.000	6.972	0.173	10.393	1.984	0.000	1.429	12.052	33.187	298.070	0.702	0.713	72005.400

Table C.1. Element Concentrations as Measured by Neutron Activation Analysis (As-Fe) (continued).

Sample Number ^a	As (ppm)	La (ppm)	Lu (ppm)	Nd (ppm)	Sm (ppm)	U (ppm)	Yb (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Eu (ppm)	Fe (ppm)
JMH048	4.596	19.565	0.194	22.909	4.427	1.790	1.590	43.702	15.037	62.355	2.731	1.391	52688.600
JMH049	0.000	8.019	0.139	7.242	1.905	0.600	0.962	16.914	15.691	52.241	0.490	0.700	22481.700
JMH050	0.000	14.467	0.205	14.377	2.233	1.348	1.111	26.106	5.549	46.036	2.512	0.503	19133.900
JMH051	12.799	23.667	0.368	24.828	5.098	3.230	2.413	52.271	3.977	89.475	4.152	0.955	34277.100
JMH052	12.175	19.330	0.309	16.576	3.157	2.686	2.232	39.559	3.092	89.987	4.732	0.574	38555.000
JMH053	5.633	23.451	0.387	27.997	4.810	2.804	2.673	52.921	5.375	66.668	4.111	0.979	33289.400
JMH054	11.909	40.415	0.311	45.440	7.637	1.807	2.458	84.501	9.681	108.272	5.392	1.516	45620.400
JMH055	6.184	39.022	0.375	32.224	5.658	3.522	2.880	67.745	7.837	97.387	5.487	0.994	44300.900
JMH056	1.970	25.096	0.290	20.273	3.677	2.839	2.053	43.737	5.268	91.102	2.255	0.602	28377.000
JMH057	4.642	42.257	0.335	32.799	5.541	3.445	2.364	71.518	7.735	86.884	4.652	0.966	43877.600
JMH058	1.643	34.170	0.397	26.632	5.165	2.763	2.723	61.353	10.439	99.772	3.304	0.695	33480.800
JMH059	3.882	95.499	0.658	108.373	19.165	4.030	5.688	198.214	12.630	109.999	3.480	3.731	37887.600
JMH060	2.470	33.802	0.339	30.140	5.059	2.628	2.457	61.174	7.244	82.534	2.528	0.821	30927.800
JMH061	2.223	36.875	0.355	36.969	6.472	2.988	2.544	72.409	8.896	72.397	4.422	1.284	26360.600
JMH062	2.273	46.005	0.447	44.427	7.872	2.975	3.253	89.746	14.916	79.266	4.809	1.624	26793.500
JMH063	4.850	57.959	0.526	53.851	10.578	3.992	3.644	115.110	7.238	101.190	4.461	1.812	41413.200
JMH064	2.488	26.141	0.265	22.939	4.698	2.479	2.072	55.889	5.424	61.519	3.532	0.918	23579.000
JMH065	4.683	41.187	0.485	39.429	7.212	5.013	3.428	84.886	10.195	121.414	6.879	1.358	34830.500
JMH066	2.471	21.473	0.279	20.090	3.968	2.311	1.885	44.944	4.275	48.812	2.924	0.780	15434.400
JMH067	4.807	27.419	0.303	18.557	4.081	3.620	1.965	51.562	15.258	172.373	3.711	0.680	27304.300
JMH068	7.494	78.180	0.583	85.356	13.755	5.018	4.360	134.826	15.031	97.803	5.029	2.673	48819.400
JMH069	1.910	13.312	0.271	13.441	2.366	1.687	1.533	28.464	5.606	56.505	2.712	0.429	24172.100
JMH070	2.740	14.273	0.259	12.558	2.978	4.864	1.393	32.599	3.896	68.439	2.691	0.443	19281.300

^a Clay samples have FBR prefix; pottery samples have JMH prefix.

Table C.2. Element Concentrations as Measured by Neutron Activation Analysis (Hf–Al).

Sample Number ^a	Hf (ppm)	Ni (ppm)	Rb (ppm)	Sb (ppm)	Sc (ppm)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Th (ppm)	Zn (ppm)	Zr (ppm)	Al (ppm)
FBR002	7.481	0.000	35.160	1.603	18.704	94.250	1.069	1.922	19.635	41.140	219.930	100288.800
FBR003	7.291	0.000	9.050	0.292	7.040	0.000	0.646	0.347	11.039	14.640	160.280	52783.600
FBR004	13.429	19.830	54.930	0.178	8.177	60.520	1.069	0.980	13.638	35.620	319.480	69284.700
FBR005	7.219	31.490	27.910	0.161	7.982	33.840	0.995	0.679	8.878	15.470	182.220	67776.500
FBR006	6.255	0.000	26.980	0.323	21.112	66.610	2.015	0.747	22.477	36.100	205.400	191590.700
FBR007	10.972	0.000	22.770	0.395	15.133	85.510	1.290	1.710	17.707	24.660	330.810	107983.000
FBR008	19.124	0.000	13.730	0.114	15.399	0.000	1.579	1.062	16.447	26.360	470.530	86690.700
FBR009	12.053	0.000	31.060	0.152	23.704	0.000	1.735	0.804	13.374	28.060	311.720	130531.600
FBR010	27.605	26.240	28.040	0.235	6.574	28.560	1.868	0.866	22.171	13.030	670.170	44090.300
FBR011	7.026	0.000	50.590	0.392	9.692	121.740	0.786	0.474	7.498	34.310	165.180	61603.900
FBR012	9.156	0.000	44.910	0.494	13.093	88.710	0.905	0.560	9.182	35.680	230.420	75691.200
FBR013	8.662	0.000	51.550	0.469	10.416	65.940	1.085	0.387	8.435	39.160	187.210	78578.600
FBR014	8.819	0.000	60.560	0.816	17.478	0.000	1.085	1.011	7.068	131.920	218.070	88048.400
FBR016	8.973	0.000	53.990	0.791	15.816	101.240	1.030	0.851	10.470	90.240	213.030	82081.000
FBR017	9.031	0.000	6.940	0.237	18.008	0.000	0.471	1.189	3.740	60.310	245.210	78631.200
FBR019	10.224	60.770	110.650	0.374	19.838	119.290	1.562	1.154	12.714	105.450	239.110	103365.600
FBR020	8.622	0.000	99.440	0.455	20.769	93.200	1.394	1.165	12.280	119.720	194.580	107782.200
FBR021	8.767	67.760	91.060	0.381	21.694	95.020	1.372	1.132	13.013	106.080	240.680	121681.100
FBR023	13.098	0.000	60.010	0.510	19.705	0.000	1.426	0.561	13.513	51.940	308.600	107249.800
FBR027	7.527	82.720	122.220	0.601	23.739	58.910	1.649	1.240	14.334	128.640	183.120	123849.900
FBR029	6.940	0.000	16.350	0.613	14.160	58.110	0.775	0.632	4.629	34.750	177.890	45887.600
FBR030	7.615	0.000	151.360	1.971	22.424	71.270	1.127	0.759	12.844	56.920	197.480	111678.000
FBR035	6.440	36.290	138.240	0.622	14.600	0.000	1.116	0.256	14.002	51.770	161.180	112171.000
FBR040	6.388	0.000	104.430	0.476	10.717	0.000	1.050	0.214	10.870	38.360	169.520	86818.400
FBR041	5.268	0.000	114.080	0.292	8.738	93.810	0.907	0.200	12.609	29.260	130.640	75822.000
FBR048	6.871	0.000	68.560	0.548	21.693	70.040	1.097	0.780	6.568	84.580	180.650	79331.000
FBR049	5.816	34.850	51.200	0.407	20.508	73.640	1.558	0.795	5.359	67.370	132.090	65541.700
FBR051	6.362	0.000	62.610	0.637	24.253	48.950	0.898	1.025	6.260	83.070	138.310	86266.200
FBR054	6.808	0.000	53.180	0.487	16.134	56.390	1.004	0.800	5.216	57.420	189.250	57081.300
FBR055	6.463	0.000	59.400	0.496	19.047	0.000	1.119	0.683	5.753	63.870	145.370	67817.000
FBR058	6.732	0.000	37.890	1.184	14.580	72.360	0.708	0.770	5.234	62.610	167.350	72123.300
FBR059	12.471	34.000	19.270	0.314	13.026	0.000	1.183	1.507	16.312	19.140	337.910	69191.800

Table C.2. Element Concentrations as Measured by Neutron Activation Analysis (Hf–Al) (continued).

Sample Number ^a	Hf (ppm)	Ni (ppm)	Rb (ppm)	Sb (ppm)	Sc (ppm)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Th (ppm)	Zn (ppm)	Zr (ppm)	Al (ppm)
FBR067	8.735	72.330	37.410	0.695	25.071	100.310	1.699	2.717	20.227	39.190	290.800	176702.300
FBR071	7.699	0.000	74.770	1.073	12.394	41.470	0.894	0.768	8.967	48.970	204.110	64720.800
FBR074	7.580	0.000	64.370	0.834	10.637	63.070	0.853	0.666	8.608	41.440	193.860	66633.200
FBR077	6.764	0.000	125.600	1.836	23.640	99.580	0.973	1.071	10.903	99.970	174.270	94165.100
FBR080	7.000	35.100	59.520	0.933	14.458	79.670	0.874	0.794	6.104	55.570	175.910	72965.800
FBR081	15.134	0.000	4.270	0.442	4.806	0.000	1.443	0.489	8.228	14.710	364.830	36485.400
FBR082	11.253	0.000	58.230	0.353	13.018	66.170	1.103	0.581	9.369	31.840	294.440	74334.700
FBR083	4.258	0.000	35.720	0.237	5.831	126.820	0.305	0.491	4.716	32.290	104.130	56857.700
FBR084	9.753	0.000	39.940	0.394	12.968	42.440	1.199	0.386	9.893	24.470	251.800	80228.800
FBR085	9.314	0.000	25.770	0.283	10.559	70.900	1.032	0.440	8.267	22.430	221.240	65213.600
FBR086	0.000	0.000	0.610	0.180	0.045	0.000	0.000	0.003	0.014	1.050	0.000	1424.300
FBR087	0.093	0.000	0.460	0.044	0.079	0.000	0.010	0.015	0.045	0.860	1.800	1870.100
FBR088	3.091	34.260	53.270	0.207	20.831	652.860	0.244	0.488	4.655	115.420	82.980	83898.900
FBR089	7.991	0.000	79.770	0.047	3.930	219.560	0.948	0.686	10.954	61.210	204.880	79362.400
FBR090	16.742	34.330	14.880	0.453	8.137	0.000	1.449	0.662	9.541	15.180	383.300	64835.900
FBR091	2.721	101.840	10.920	0.000	43.829	147.780	0.206	0.706	0.803	105.780	0.000	78527.400
FBR092	3.662	0.000	3.330	0.080	0.718	0.000	0.226	0.146	2.829	8.630	91.260	3857.900
JMH001	10.433	0.000	115.550	0.177	20.138	0.000	1.418	1.620	17.364	71.930	295.520	107775.900
JMH002	8.965	0.000	36.240	0.249	16.821	0.000	1.003	0.927	8.181	79.670	211.190	100492.400
JMH003	7.393	0.000	37.050	0.525	16.593	0.000	0.800	0.466	8.645	43.590	149.560	98163.200
JMH004	8.812	0.000	58.010	0.234	19.794	0.000	0.986	0.698	9.882	46.280	167.510	102272.900
JMH005	12.843	0.000	41.130	0.391	12.943	0.000	1.100	0.795	11.951	41.820	298.750	70116.900
JMH006	2.855	71.690	20.210	0.748	27.881	242.920	0.352	0.517	2.146	73.420	25.980	75884.700
JMH007	8.134	105.180	19.860	0.288	16.693	0.000	0.825	1.728	10.229	45.790	196.710	93285.700
JMH008	7.976	0.000	58.810	0.428	15.140	0.000	0.857	0.499	9.384	58.090	151.900	94327.500
JMH009	6.652	0.000	71.220	0.146	15.245	0.000	1.151	0.994	11.349	55.640	180.970	100753.700
JMH010	9.099	0.000	68.290	0.296	16.066	0.000	0.741	0.243	10.886	40.880	184.870	77444.300
JMH011	10.545	0.000	34.670	0.368	14.136	0.000	1.178	0.323	12.302	0.000	210.570	85121.500
JMH012	9.938	0.000	51.910	0.185	14.384	0.000	1.053	1.495	14.002	53.230	238.340	102703.100
JMH013	8.186	0.000	57.960	0.418	19.750	0.000	1.180	1.440	11.837	54.670	160.230	118903.600
JMH014	5.447	168.910	47.110	0.626	30.058	0.000	0.764	0.531	5.571	0.000	113.950	85389.500
JMH015	16.864	0.000	83.310	0.272	10.322	60.080	1.717	0.954	18.559	29.340	408.780	72424.200

Table C.2. Element Concentrations as Measured by Neutron Activation Analysis (Hf–Al) (continued).

Sample Number ^a	Hf (ppm)	Ni (ppm)	Rb (ppm)	Sb (ppm)	Sc (ppm)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Th (ppm)	Zn (ppm)	Zr (ppm)	Al (ppm)
JMH016	6.168	0.000	90.600	0.394	18.839	0.000	0.967	0.564	12.717	83.310	134.390	99991.600
JMH017	12.203	0.000	32.090	0.536	15.532	0.000	0.923	1.178	11.904	52.350	311.850	82920.300
JMH018	8.906	0.000	22.650	0.600	16.563	0.000	1.418	0.904	12.432	64.810	230.320	102517.500
JMH019	12.582	0.000	39.840	0.209	15.700	0.000	1.406	0.900	13.967	57.020	280.230	95614.800
JMH020	6.392	0.000	54.900	0.197	19.525	0.000	1.091	1.246	12.253	81.590	160.500	113968.800
JMH021	8.660	58.800	63.090	0.225	19.680	0.000	1.448	0.789	13.020	66.780	203.360	110402.200
JMH022	4.882	0.000	32.260	0.326	15.281	0.000	0.918	0.910	8.752	45.370	110.720	95015.900
JMH023	9.091	0.000	44.160	0.171	20.567	0.000	1.776	0.535	13.296	82.750	193.480	114752.100
JMH024	13.429	0.000	31.080	0.139	17.381	0.000	1.678	1.080	18.642	49.380	331.750	101000.800
JMH025	7.616	0.000	55.670	0.104	16.822	0.000	1.093	0.919	12.121	61.250	167.590	95631.000
JMH026	9.120	0.000	110.180	0.163	21.372	0.000	1.458	0.917	15.946	76.780	203.990	106153.800
JMH027	8.568	0.000	36.620	0.157	14.562	0.000	1.457	0.508	13.820	38.820	167.600	95475.600
JMH028	11.510	0.000	40.990	0.168	15.796	0.000	1.575	1.465	16.180	49.080	267.400	89498.100
JMH029	12.137	0.000	36.420	0.148	18.551	0.000	1.808	0.557	14.860	73.110	296.740	112708.800
JMH030	12.547	0.000	29.500	0.151	18.677	0.000	1.797	0.495	14.453	45.720	289.880	114508.500
JMH031	7.141	81.260	20.110	0.244	17.429	0.000	0.628	0.448	3.809	45.010	158.900	58933.300
JMH032	1.708	93.150	18.810	1.149	30.319	0.000	0.445	0.701	2.066	63.130	0.000	80937.600
JMH033	3.485	51.530	67.370	3.042	19.015	415.580	0.905	1.213	11.797	123.400	115.700	98574.900
JMH034	1.492	159.490	12.040	0.553	28.052	0.000	0.253	0.412	1.632	72.070	30.920	68782.300
JMH035	9.411	0.000	30.290	0.162	21.290	215.770	0.681	0.470	4.977	44.340	235.350	87530.900
JMH036	4.181	0.000	17.860	0.088	19.309	346.630	0.253	0.306	2.573	45.110	115.560	111179.400
JMH037	5.472	0.000	87.550	0.490	21.819	0.000	0.575	0.926	5.370	79.530	101.030	83730.700
JMH038	21.614	0.000	106.810	0.156	12.456	100.930	2.210	1.271	21.214	63.120	461.550	92941.600
JMH039	12.070	0.000	33.770	0.114	17.780	216.070	1.129	0.156	6.005	62.330	256.720	91433.000
JMH040	8.707	0.000	36.860	0.544	19.665	294.470	0.402	0.438	7.263	131.710	198.530	109640.000
JMH041	7.345	0.000	39.060	0.345	17.116	74.880	0.762	0.203	6.481	0.000	153.170	94047.500
JMH042	8.839	0.000	45.550	0.396	17.820	0.000	0.855	0.167	7.228	72.210	181.860	99853.300
JMH043	7.645	0.000	67.660	0.182	19.821	0.000	1.232	0.366	4.216	68.180	145.290	77553.600
JMH044	10.964	0.000	158.250	0.121	7.068	196.800	1.970	0.562	18.540	40.430	301.950	105961.600
JMH045	4.681	0.000	45.640	0.909	17.124	392.320	0.278	0.354	5.811	112.830	120.760	97900.400
JMH046	0.797	0.000	0.000	0.546	33.130	0.000	0.095	0.000	0.636	85.930	0.000	78527.500
JMH047	1.146	0.000	24.810	0.348	40.890	103.540	0.124	0.293	1.383	109.990	0.000	104690.100

Table C.2. Element Concentrations as Measured by Neutron Activation Analysis (Hf–Al) (continued).

Sample Number ^a	Hf (ppm)	Ni (ppm)	Rb (ppm)	Sb (ppm)	Sc (ppm)	Sr (ppm)	Ta (ppm)	Tb (ppm)	Th (ppm)	Zn (ppm)	Zr (ppm)	Al (ppm)
JMH048	3.728	48.820	45.970	0.975	17.910	493.690	0.397	0.409	6.660	114.550	115.250	100257.000
JMH049	3.662	0.000	18.430	0.061	8.135	187.780	0.169	0.239	1.598	37.160	82.340	102177.400
JMH050	9.137	0.000	38.760	0.308	14.370	0.000	0.771	0.219	6.368	43.710	180.450	83408.900
JMH051	13.348	43.820	38.390	0.410	12.597	20.100	1.165	0.632	10.638	35.430	312.540	62884.800
JMH052	10.537	0.000	43.930	0.418	11.829	0.000	1.185	0.401	10.846	32.020	276.500	59342.600
JMH053	7.921	0.000	30.980	0.397	12.144	0.000	1.125	0.782	10.339	44.660	199.400	71317.700
JMH054	5.487	27.830	50.420	0.344	14.316	0.000	0.792	0.922	11.355	65.320	150.920	76059.600
JMH055	6.061	27.960	92.090	0.488	13.543	102.190	1.138	0.721	11.515	49.360	158.740	80261.400
JMH056	9.045	0.000	52.240	0.278	12.486	294.430	1.156	0.505	9.051	40.090	224.330	69392.500
JMH057	7.676	0.000	117.390	0.339	12.898	208.490	1.028	0.755	11.324	46.540	206.780	77642.700
JMH058	12.097	0.000	64.270	0.302	15.499	127.870	1.041	0.642	14.243	52.990	292.970	79901.100
JMH059	9.260	51.810	88.840	0.313	16.309	171.070	1.043	2.275	12.469	62.780	315.570	96704.200
JMH060	10.845	0.000	124.160	0.261	14.397	254.010	0.937	0.724	11.811	47.700	273.310	69257.800
JMH061	5.942	0.000	96.450	0.353	17.472	172.570	1.000	0.722	11.285	65.830	162.950	102850.100
JMH062	7.113	0.000	118.310	0.342	18.516	260.140	1.113	1.027	11.907	84.620	154.450	97892.700
JMH063	8.119	32.880	104.750	0.466	14.334	200.060	1.787	1.458	15.019	55.480	249.900	80984.400
JMH064	7.478	0.000	57.920	0.343	13.288	81.550	0.887	0.502	9.754	44.590	232.470	80367.600
JMH065	10.946	0.000	53.160	0.467	17.927	0.000	1.304	1.010	12.839	72.460	353.890	94010.600
JMH066	6.838	0.000	25.590	0.251	9.621	0.000	0.822	0.486	7.332	27.650	191.620	58089.900
JMH067	12.304	111.490	22.530	0.653	12.536	0.000	0.935	0.473	11.103	46.640	326.860	74437.200
JMH068	8.350	60.780	56.150	0.421	14.141	0.000	0.977	1.705	10.847	61.110	256.720	88450.600
JMH069	6.952	0.000	20.120	0.375	9.550	0.000	0.889	0.312	6.474	27.660	170.500	57996.100
JMH070	7.773	0.000	11.830	0.309	10.159	0.000	1.028	0.304	9.666	28.550	227.310	65253.900

^a Clay samples have FBR prefix; pottery samples have JMH prefix.

Table C.3. Element Concentrations as Measured by Neutron Activation Analysis (Ba-V).

Sample Number ^a	Ba (ppm)	Ca (ppm)	Dy (ppm)	K (ppm)	Mn (ppm)	Na (ppm)	Ti (ppm)	V (ppm)
FBR002	174.100	0.000	7.402	2456.400	38.150	207.000	3404.200	189.020
FBR003	53.500	0.000	1.562	840.400	27.990	192.100	2768.900	62.550
FBR004	385.400	0.000	4.346	16304.700	87.440	720.600	4555.100	69.080
FBR005	160.900	0.000	3.682	6111.600	32.010	396.000	3732.700	55.590
FBR006	186.800	0.000	4.609	5026.700	31.810	391.200	8681.900	199.770
FBR007	233.000	0.000	9.143	4379.100	41.240	343.000	5793.600	121.680
FBR008	129.100	0.000	5.867	3527.300	42.840	305.300	7094.000	97.340
FBR009	162.300	0.000	5.366	7029.900	54.440	489.900	6741.200	102.950
FBR010	195.100	0.000	5.838	8499.300	76.170	470.600	6647.000	53.200
FBR011	392.900	3095.900	2.920	9013.200	340.150	4672.400	4876.800	74.080
FBR012	343.700	2486.000	3.128	8099.000	141.530	5153.500	5262.300	102.090
FBR013	352.000	2400.400	3.060	11578.500	156.490	3488.500	5703.300	122.470
FBR014	412.000	2929.100	4.853	14449.500	1430.970	4084.700	7798.300	148.890
FBR016	352.300	0.000	5.061	8976.100	1271.740	4070.500	6832.500	124.560
FBR017	134.600	1176.000	7.619	2363.600	108.140	282.800	4683.200	81.480
FBR019	667.900	3482.500	5.486	18410.300	492.690	4251.600	7330.000	151.800
FBR020	662.600	4005.300	6.751	16677.900	599.420	4586.500	7126.400	145.940
FBR021	608.600	2446.000	6.792	15869.000	304.070	3318.400	7480.800	154.840
FBR023	316.300	0.000	3.640	11455.000	179.980	1756.100	7732.300	161.740
FBR027	660.200	3206.100	7.384	16921.100	1299.900	2494.100	8576.600	178.870
FBR029	156.900	5209.500	4.351	0.000	1111.570	1504.500	8992.400	129.420
FBR030	563.300	1289.800	4.788	23913.900	119.020	1278.700	5310.000	143.540
FBR035	405.500	1510.700	1.774	15308.100	240.980	3479.600	3793.300	131.530
FBR040	327.700	567.300	1.747	12854.300	153.150	1567.400	3813.300	87.970
FBR041	492.100	4774.400	1.444	21524.100	181.550	7687.200	2762.600	68.950
FBR048	305.500	6546.800	4.871	10805.200	835.390	3040.500	8317.100	152.560
FBR049	231.300	11583.400	4.645	5597.700	1568.160	4682.400	12838.700	113.190
FBR051	363.300	7465.000	4.952	9724.000	841.770	3512.000	7358.900	160.780
FBR054	212.100	7308.500	3.951	9700.500	1736.520	3693.000	6452.900	108.680
FBR055	280.000	6144.300	4.075	9683.900	2175.060	2911.900	8291.100	130.370
FBR058	233.400	7759.200	4.472	5406.800	535.560	7227.600	5262.800	91.870
FBR059	196.500	0.000	7.412	4547.000	47.070	337.300	4708.900	78.760

Table C.3. Element Concentrations as Measured by Neutron Activation Analysis (Ba–V) (continued).

Sample Number ^a	Ba (ppm)	Ca (ppm)	Dy (ppm)	K (ppm)	Mn (ppm)	Na (ppm)	Ti (ppm)	V (ppm)
FBR067	306.200	0.000	13.859	7008.700	44.710	505.800	7104.600	186.560
FBR071	285.900	2343.700	5.088	9461.600	188.560	5904.700	5010.200	88.090
FBR074	253.200	2745.900	4.026	10190.500	411.720	9250.000	3669.100	88.800
FBR077	720.200	2955.000	5.732	22553.500	972.460	7663.000	5435.700	154.360
FBR080	411.800	6439.500	4.493	8884.900	449.830	6107.700	6056.100	108.830
FBR081	51.200	0.000	3.032	0.000	41.140	205.500	6432.600	50.500
FBR082	240.000	4073.900	3.952	9776.900	65.440	558.600	5424.600	108.360
FBR083	109.500	3069.000	3.780	1731.000	63.170	347.400	6821.900	80.580
FBR084	213.800	4290.200	2.858	5749.700	52.850	700.900	5242.500	105.690
FBR085	97.800	4366.900	2.412	4235.700	52.180	488.500	4722.700	83.990
FBR086	0.000	0.000	0.000	0.000	17.930	136.000	0.000	0.000
FBR087	0.000	0.000	0.099	0.000	3.780	127.900	0.000	0.000
FBR088	370.400	45658.000	2.483	14776.500	1498.380	22877.700	6771.100	215.520
FBR089	625.100	7654.300	3.769	30643.100	754.310	31082.800	1705.700	19.270
FBR090	767.000	7947.000	3.117	15027.800	320.120	32426.200	1215.500	15.270
FBR091	171.300	70385.900	4.405	5357.000	1885.570	19979.600	3892.200	282.680
FBR092	22.300	0.000	0.588	626.200	23.160	398.700	662.500	5.200
JMH001	504.100	667.700	8.561	13633.000	451.630	627.500	6283.000	133.620
JMH002	380.400	1530.600	6.306	7381.100	175.380	786.400	5113.500	78.260
JMH003	239.600	3309.800	2.607	7986.900	200.420	5098.300	5406.300	118.090
JMH004	316.600	1603.700	4.387	10200.500	182.800	1380.100	5878.500	110.800
JMH005	308.200	2234.900	4.619	8137.000	290.430	1799.200	6139.500	104.660
JMH006	85.200	30003.200	2.536	2752.400	1160.840	10900.500	3886.700	207.150
JMH007	238.200	754.400	9.032	2066.000	222.060	248.800	6133.800	139.640
JMH008	472.900	4178.700	3.345	9436.200	263.180	6177.600	5499.900	94.950
JMH009	471.400	434.300	6.131	15678.200	124.360	740.100	4582.300	109.550
JMH010	117.400	1439.800	2.301	8762.200	129.420	603.800	5254.600	97.670
JMH011	216.700	554.200	2.683	4108.200	79.400	373.800	5719.600	101.430
JMH012	320.500	464.600	7.840	10601.200	141.600	573.600	5164.600	88.000
JMH013	303.600	346.900	9.370	10529.500	91.890	592.700	6377.500	133.870
JMH014	199.100	6218.600	3.094	3567.500	1460.520	3342.900	4140.800	137.310

Table C.3. Element Concentrations as Measured by Neutron Activation Analysis (Ba–V) (continued).

Sample Number ^a	Ba (ppm)	Ca (ppm)	Dy (ppm)	K (ppm)	Mn (ppm)	Na (ppm)	Ti (ppm)	V (ppm)
JMH015	809.300	923.000	4.888	26057.400	261.000	3341.300	5688.300	68.270
JMH016	475.100	2061.100	3.902	14400.600	245.030	3672.900	5248.700	119.800
JMH017	196.000	826.400	7.731	2659.900	213.420	719.600	4890.400	99.610
JMH018	370.400	2518.400	5.969	4501.300	113.440	1865.700	6909.800	136.630
JMH019	259.100	547.000	5.577	7029.200	99.670	647.500	7073.100	112.860
JMH020	400.600	2233.300	7.415	9209.300	181.440	1687.600	5543.500	142.400
JMH021	628.400	1526.600	4.651	10100.700	272.760	535.200	5984.600	131.960
JMH022	500.800	4265.900	5.364	5695.100	144.360	1262.100	5002.100	117.820
JMH023	620.800	895.800	3.303	4484.700	285.900	371.500	7037.200	106.030
JMH024	364.100	2235.100	5.380	5170.900	194.700	370.000	6701.100	124.220
JMH025	591.300	1454.600	5.198	10860.800	322.270	715.300	5137.600	128.690
JMH026	901.900	3401.300	5.237	14042.600	648.370	470.200	5455.100	135.890
JMH027	488.900	1065.600	3.882	5331.500	370.420	666.100	5261.600	96.470
JMH028	366.900	2242.900	7.101	5580.900	321.420	765.000	6590.100	124.530
JMH029	692.100	1175.100	3.901	4040.500	126.060	366.700	7446.300	117.790
JMH030	636.900	976.100	4.094	4200.400	225.180	347.300	7523.700	120.380
JMH031	451.400	19629.400	3.244	3610.300	433.720	4172.700	4416.900	122.050
JMH032	222.300	31258.300	2.585	4192.600	560.660	4868.400	3620.400	167.380
JMH033	829.400	11253.100	5.154	16671.300	628.030	8460.300	5216.200	123.430
JMH034	229.500	35367.400	2.999	3231.300	853.430	5206.600	3175.800	177.000
JMH035	566.000	12488.100	3.506	4863.200	520.710	6225.500	7620.400	201.500
JMH036	366.500	18038.800	2.291	2010.900	288.490	13339.400	4464.300	150.700
JMH037	648.300	5309.000	6.682	7653.400	652.360	4867.800	4307.400	115.860
JMH038	881.500	6945.800	7.795	26299.600	300.210	7972.200	6001.500	63.160
JMH039	635.300	7336.400	1.353	11918.300	670.100	5458.800	11324.400	133.840
JMH040	494.900	15490.700	2.581	8722.200	736.550	11113.600	5579.300	180.510
JMH041	1165.700	3568.700	1.710	9461.200	357.560	3940.900	6440.600	117.410
JMH042	811.200	2029.500	1.571	10618.600	569.970	3881.400	6485.800	136.260
JMH043	858.800	5408.600	3.265	11608.400	1072.190	3463.800	15585.600	166.240
JMH044	861.600	6841.200	3.570	32733.100	190.200	13873.400	3355.100	53.120
JMH045	926.900	20579.300	2.688	13740.300	634.590	16191.800	4826.800	170.940

Table C.3. Element Concentrations as Measured by Neutron Activation Analysis (Ba–V) (continued).

Sample Number ^a	Ba (ppm)	Ca (ppm)	Dy (ppm)	K (ppm)	Mn (ppm)	Na (ppm)	Ti (ppm)	V (ppm)
JMH046	448.200	29425.000	1.890	0.000	691.880	3399.900	2087.800	162.800
JMH047	1145.500	35208.600	2.309	6353.300	1130.730	3343.100	3284.000	213.250
JMH048	855.700	21406.700	2.266	16008.300	601.470	16712.100	5449.100	169.130
JMH049	601.100	7081.100	1.693	4349.800	379.820	10951.900	2833.600	80.960
JMH050	507.700	2372.700	1.535	11130.900	360.690	4203.800	6325.200	118.150
JMH051	231.300	601.600	3.829	5413.300	127.770	913.100	5911.800	125.040
JMH052	183.600	406.700	3.389	5453.000	79.450	652.300	5676.700	115.970
JMH053	231.700	442.100	4.074	5385.700	97.580	1659.100	5467.100	115.110
JMH054	282.700	2962.900	4.910	7653.200	205.690	1590.500	4607.400	117.660
JMH055	1028.900	11805.100	4.410	8655.000	110.210	654.900	4921.100	114.160
JMH056	2041.000	12633.800	2.939	7297.000	108.070	968.100	5646.300	80.040
JMH057	1322.300	16292.200	4.416	10988.900	136.050	677.200	4578.400	101.470
JMH058	1386.200	8408.900	3.608	7935.600	150.260	1640.500	5333.600	104.390
JMH059	1028.200	10770.100	12.711	10763.400	175.560	1492.200	5853.600	117.230
JMH060	1707.900	9360.400	3.676	13988.800	268.210	977.000	4988.900	88.500
JMH061	925.900	7329.500	4.619	14768.100	345.070	3005.400	5140.100	110.880
JMH062	1160.800	11776.500	5.178	13210.000	239.540	4106.800	5424.600	120.310
JMH063	1502.100	14321.800	7.436	11709.000	134.510	731.600	4988.300	111.850
JMH064	457.800	2489.200	3.736	10798.800	605.480	2916.800	4658.100	99.810
JMH065	258.400	2453.700	5.235	7966.400	106.330	726.200	6462.800	155.020
JMH066	220.000	1070.100	2.886	5184.700	40.960	1285.800	4031.200	82.480
JMH067	133.200	821.400	2.771	3030.900	177.290	569.600	5624.500	117.610
JMH068	289.700	5562.100	8.101	9334.600	852.810	1573.900	5475.300	122.540
JMH069	141.700	668.200	2.427	3315.300	95.950	680.000	5093.500	103.130
JMH070	89.300	460.600	2.298	1334.700	82.390	462.900	5149.700	85.320

^a Clay samples have FBR prefix; pottery samples have JMH prefix.