

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.1.1	SAMPLE	1/4/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.173	14952-40-0	PCI/G	UI	0.339		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.15	0.247	14952-40-0	PCI/G	U	0.450		1.00	22.9
BGA1.1.1	SAMPLE	1/11/2016	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.8	4.96	12587-46-1	PCI/G		3.49	4.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	-0.00264	0.0397	14596-10-2	PCI/G	U	0.0927	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0231	0.0671	14234-35-6	PCI/G	U	0.125		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00342	0.0904	14234-35-6	PCI/G	U	0.170		1.00	22.9
BGA1.1.1	SAMPLE	1/11/2016	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	24.9	3.46	12587-47-2	PCI/G		3.81	10.0	1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.860	0.631	14913-49-6	PCI/G		0.659		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.782	14913-49-6	PCI/G	UI	1.46		1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.784	0.134	14733-03-0	PCI/G		0.0993		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.956	0.166	14733-03-0	PCI/G		0.129		1.00	22.9
BGA1.1.1	SAMPLE	1/19/2016	388119	Carbon-14	R	EPA EERF C-01 Modified	-0.335	0.796	14762-75-5	PCI/G	U	1.37	2.00	1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.167	0.0417	10045-97-3	PCI/G		0.0456	0.100	1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.120	0.0534	10045-97-3	PCI/G		0.0683	0.100	1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0105	0.0323	10198-40-0	PCI/G	U	0.0489		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.012	0.040	10198-40-0	PCI/G	U	0.0814		1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0289	OER-100-93	PCI/G		0.043	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.0298	0.0526		PCI/G		0.0797	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0569	0.067		PCI/G		0.0725	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0356	0.111	15585-10-1	PCI/G	U	0.185		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00899	0.117	15585-10-1	PCI/G	U	0.227		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Iodine-129	R	DOE EML HASL-300,I-01 Modified	0.00	0.921	15046-84-1	PCI/G	UI	0.525	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.40	0.0952	15092-94-1	PCI/G		0.0765		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.28	0.141	15092-94-1	PCI/G		0.120		1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.128	15067-28-4	PCI/G		0.235		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.36	0.208	15067-28-4	PCI/G		0.368		1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Neptunium-237	R	ASTM C 1476-00 Modified	0.0614	0.230	13994-20-2	PCI/G	U	0.388	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0173	0.0668	13981-16-3	PCI/G	U	0.129	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.0288	0.0655	OER-100-70	PCI/G	U	0.112	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/14/2016	388119	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-5.07	6.92	14119-32-5	PCI/G	U	12.2	15.0	1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.9	1.08	13966-00-2	PCI/G		0.437		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.2	1.51	13966-00-2	PCI/G		0.743		1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.532	14331-85-2	PCI/G	UI	0.596		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.695	14331-85-2	PCI/G	UI	0.927		1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.784	0.134	13982-63-3	PCI/G		0.0993		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.956	0.166	13982-63-3	PCI/G		0.129		1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.00	0.218	15262-20-1	PCI/G		0.218		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.287	15262-20-1	PCI/G		0.261		1.00	22.9
BGA1.1.1	SAMPLE	1/7/2016	388119	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.842	0.757	10098-97-2	PCI/G	U	1.66	2.00	1.00	22.9
BGA1.1.1	SAMPLE	1/19/2016	388119	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	-0.214	1.64	14133-76-7	PCI/G	U	2.88	5.00	1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.392	0.0606	14913-50-9	PCI/G		0.0466		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.374	0.0803	14913-50-9	PCI/G		0.0698		1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.01	0.607	14274-82-9	PCI/G		0.483	1.00	1.00	22.9

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Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.1.1	SAMPLE	1/12/2016	388119	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.143	0.280	15594-54-4	PCI/G		0.389	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	1.36	0.675	14269-63-7	PCI/G		0.388	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.887	0.549	7440-29-1	PCI/G		0.242	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/4/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0645		PCI/G	UI	0.0681		1.00	22.9
BGA1.1.1	SAMPLE	1/20/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.116		PCI/G	UI	0.174		1.00	22.9
BGA1.1.1	SAMPLE	1/11/2016	388119	Tritium	R	EPA 906.0 Modified	0.104	2.36	10028-17-8	PCI/G	U	4.09	6.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	-0.00902	0.0623	14158-29-3	PCI/G	U	0.152	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.855	0.246	13968-55-3/1396	PCI/G		0.123	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.136	0.104	15117-96-1/1396	PCI/G		0.0842	1.00	1.00	22.9
BGA1.1.1	SAMPLE	1/12/2016	388119	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.863	0.246	7440-61-1	PCI/G		0.107	1.00	1.00	22.9
BGA1.1.1	MS	1/20/2016	388119	Carbon-14	R	EPA EERF C-01 Modified	97.6	1.79	14762-75-5	%		1.40	2.00	1.00	22.9
BGA1.1.1	MS	1/20/2016	388119	Iodine-129	R	DOE EML HASL-300,I-01 Modified	79.7	3.30	15046-84-1	%		1.57	1.00	1.00	22.9
BGA1.1.1	MS	1/12/2016	388119	Tritium	R	EPA 906.0 Modified	103	9.58	10028-17-8	%		9.54	6.00	1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.191	0.269	14952-40-0	PCI/G	U	0.461		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.129	0.299	14952-40-0	PCI/G	U	0.556		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0895	14234-35-6	PCI/G	UI	0.178		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0387	0.0983	14234-35-6	PCI/G	U	0.179		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.878	14913-49-6	PCI/G	UI	1.33		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.807	14913-49-6	PCI/G	UI	1.48		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.905	0.177	14733-03-0	PCI/G		0.127		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.203	14733-03-0	PCI/G		0.141		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Carbon-14	R	EPA EERF C-01 Modified	0.0673	0.802	14762-75-5	PCI/G	U	1.37	2.00	1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0764	0.0702	10045-97-3	PCI/G		0.065	0.100	1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.191	0.0737	10045-97-3	PCI/G		0.0693	0.100	1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0167	0.0338	10198-40-0	PCI/G	U	0.0729		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0268	0.0429	10198-40-0	PCI/G	U	0.0758		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0389	0.101	15585-10-1	PCI/G	U	0.220		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.127	0.125	15585-10-1	PCI/G	U	0.201		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Iodine-129	R	DOE EML HASL-300,I-01 Modified	0.042	0.239	15046-84-1	PCI/G	U	0.564	1.00	1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Lead-210	R	DOE HASL 300, 4.5.2.3/Ga-01-R	3.06	5.61	14255-04-0	PCI/G	U	10.4		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.28	0.131	15092-94-1	PCI/G		0.108		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.34	0.134	15092-94-1	PCI/G		0.114		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.979	0.166	15067-28-4	PCI/G		0.126		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.197	15067-28-4	PCI/G		0.136		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.4	1.26	13966-00-2	PCI/G		0.467		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.5	1.48	13966-00-2	PCI/G		0.588		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.483	14331-85-2	PCI/G	UI	0.985		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.458	0.704	14331-85-2	PCI/G	U	1.04		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.905	0.177	13982-63-3	PCI/G		0.127		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.203	13982-63-3	PCI/G		0.141		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.37	0.253	15262-20-1	PCI/G		0.226		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.365	15262-20-1	PCI/G		0.286		1.00	22.9
BGA1.1.1	DUP	1/19/2016	388092	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	-1.03	1.70	14133-76-7	PCI/G	U	3.04	5.00	1.00	22.9

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Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.1.1	DUP	1/19/2016	388119	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	-1.03	1.70	14133-76-7	PCI/G	U	3.04	5.00	1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.332	0.0625	14913-50-9	PCI/G		0.0625		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.445	0.0796	14913-50-9	PCI/G		0.0738		1.00	22.9
BGA1.1.1	DUP	1/5/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.117		PCI/G	UI	0.155		1.00	22.9
BGA1.1.1	DUP	1/20/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.120		PCI/G	UI	0.131		1.00	22.9
BGA1.1.1	DUP	1/12/2016	388119	Tritium	R	EPA 906.0 Modified	-0.262	2.36	10028-17-8	PCI/G	U	4.12	6.00	1.00	22.9
BGA1.1.2	SAMPLE	1/4/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0853	0.176	14952-40-0	PCI/G	U	0.309		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.104	0.253	14952-40-0	PCI/G	U	0.495		1.00	22.6
BGA1.1.2	SAMPLE	1/11/2016	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.8	3.99	12587-46-1	PCI/G		3.93	4.00	1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0408	0.059	14234-35-6	PCI/G	U	0.112		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0805	0.0929	14234-35-6	PCI/G	U	0.188		1.00	22.6
BGA1.1.2	SAMPLE	1/11/2016	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.0	3.30	12587-47-2	PCI/G		3.77	10.0	1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.25	0.490	14913-49-6	PCI/G		0.641		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.765	14913-49-6	PCI/G	UI	1.39		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.769	0.117	14733-03-0	PCI/G		0.083		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.06	0.200	14733-03-0	PCI/G		0.136		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0378	10045-97-3	PCI/G	UI	0.0434	0.100	1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0435	10045-97-3	PCI/G	UI	0.0915	0.100	1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0108	0.0262	10198-40-0	PCI/G	U	0.0462		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0278	0.0434	10198-40-0	PCI/G	U	0.0918		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0256	0.0807	15585-10-1	PCI/G	U	0.143		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.073	0.131	15585-10-1	PCI/G	U	0.271		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.40	0.0923	15092-94-1	PCI/G		0.0697		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.39	0.136	15092-94-1	PCI/G		0.104		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.120	15067-28-4	PCI/G		0.089		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.36	0.175	15067-28-4	PCI/G		0.162		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.6	0.965	13966-00-2	PCI/G		0.415		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.4	1.45	13966-00-2	PCI/G		0.575		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.425	14331-85-2	PCI/G	UI	0.589		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.614	14331-85-2	PCI/G	UI	0.769		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.769	0.117	13982-63-3	PCI/G		0.083		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.06	0.200	13982-63-3	PCI/G		0.136		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.204	15262-20-1	PCI/G		0.164		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.25	0.390	15262-20-1	PCI/G		0.278		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.372	0.0487	14913-50-9	PCI/G		0.045		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.380	0.0818	14913-50-9	PCI/G		0.0811		1.00	22.6
BGA1.1.2	SAMPLE	1/4/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.093		PCI/G	UI	0.0983		1.00	22.6
BGA1.1.2	SAMPLE	1/20/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.156		PCI/G	UI	0.110		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0748	0.235	14952-40-0	PCI/G	U	0.426		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.151	0.320	14952-40-0	PCI/G	U	0.624		1.00	22.6
BGA1.1.3	SAMPLE	1/11/2016	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.5	3.71	12587-46-1	PCI/G		3.41	4.00	1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0429	0.0809	14234-35-6	PCI/G	U	0.154		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0191	0.106	14234-35-6	PCI/G	U	0.194		1.00	22.6

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.1.3	SAMPLE	1/11/2016	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	28.9	3.25	12587-47-2	PCI/G		3.42	10.0	1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.84	0.712	14913-49-6	PCI/G		0.852		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.877	14913-49-6	PCI/G	UI	1.42		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.844	0.140	14733-03-0	PCI/G		0.128		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.196	14733-03-0	PCI/G		0.129		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0159	0.0356	10045-97-3	PCI/G	U	0.0661	0.100	1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.017	0.0446	10045-97-3	PCI/G	U	0.0808	0.100	1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0384	10198-40-0	PCI/G	UI	0.0636		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0234	0.0491	10198-40-0	PCI/G	U	0.0913		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0175	0.0999	15585-10-1	PCI/G	U	0.187		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0454	0.155	15585-10-1	PCI/G	U	0.290		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.63	0.112	15092-94-1	PCI/G		0.0948		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.46	0.153	15092-94-1	PCI/G		0.128		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.155	15067-28-4	PCI/G		0.124		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.44	0.223	15067-28-4	PCI/G		0.400		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.6	1.19	13966-00-2	PCI/G		0.547		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.7	1.64	13966-00-2	PCI/G		0.638		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.701	14331-85-2	PCI/G	UI	0.763		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.659	14331-85-2	PCI/G	UI	1.32		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.844	0.140	13982-63-3	PCI/G		0.128		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.196	13982-63-3	PCI/G		0.129		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.42	0.261	15262-20-1	PCI/G		0.237		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.36	0.404	15262-20-1	PCI/G		0.267		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.479	0.0749	14913-50-9	PCI/G		0.0617		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.427	0.0988	14913-50-9	PCI/G		0.0815		1.00	22.6
BGA1.1.3	SAMPLE	1/4/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.109		PCI/G	UI	0.141		1.00	22.6
BGA1.1.3	SAMPLE	1/20/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.154		PCI/G	UI	0.181		1.00	22.6
BGA1.1.4	SAMPLE	1/4/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0553	0.191	14952-40-0	PCI/G	U	0.341		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0889	0.295	14952-40-0	PCI/G	U	0.499		1.00	20.3
BGA1.1.4	SAMPLE	1/11/2016	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.7	3.19	12587-46-1	PCI/G		3.95	4.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0135	0.0507	14596-10-2	PCI/G	U	0.0854	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0116	0.0691	14234-35-6	PCI/G	U	0.121		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0245	0.103	14234-35-6	PCI/G	U	0.182		1.00	20.3
BGA1.1.4	SAMPLE	1/11/2016	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.5	2.85	12587-47-2	PCI/G		3.21	10.0	1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.545	14913-49-6	PCI/G		0.632		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.33	0.849	14913-49-6	PCI/G		0.903		1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.911	0.122	14733-03-0	PCI/G		0.0868		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.162	14733-03-0	PCI/G		0.132		1.00	20.3
BGA1.1.4	SAMPLE	1/19/2016	388119	Carbon-14	R	EPA EERF C-01 Modified	-0.0544	0.757	14762-75-5	PCI/G	U	1.29	2.00	1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.134	0.0444	10045-97-3	PCI/G		0.0488	0.100	1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.175	0.0599	10045-97-3	PCI/G		0.0849	0.100	1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00101	0.0251	10198-40-0	PCI/G	U	0.0477		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.021	0.0391	10198-40-0	PCI/G	U	0.0817		1.00	20.3

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.1.4	SAMPLE	1/12/2016	388119	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0389	OER-100-93	PCI/G		0.0579	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	-0.00844	0.0373		PCI/G	U	0.0974	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0106	0.0589		PCI/G	U	0.113	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0224	0.0896	15585-10-1	PCI/G	U	0.171		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0778	0.132	15585-10-1	PCI/G	U	0.268		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Iodine-129	R	DOE EML HASL-300,I-01 Modified	0.0342	0.644	15046-84-1	PCI/G	U	1.17	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.32	0.0983	15092-94-1	PCI/G		0.0807		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.41	0.136	15092-94-1	PCI/G		0.106		1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.17	0.128	15067-28-4	PCI/G		0.0984		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.29	0.194	15067-28-4	PCI/G		0.354		1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Neptunium-237	R	ASTM C 1476-00 Modified	0.0027	0.200	13994-20-2	PCI/G	U	0.445	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0447	0.0611	13981-16-3	PCI/G		0.0833	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	-0.00927	0.0419	OER-100-70	PCI/G	U	0.106	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/14/2016	388119	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-6.99	5.82	14119-32-5	PCI/G	U	10.4	15.0	1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.7	1.06	13966-00-2	PCI/G		0.356		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.1	1.43	13966-00-2	PCI/G		0.619		1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.413	14331-85-2	PCI/G	UI	0.732		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.655	14331-85-2	PCI/G	UI	0.880		1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.911	0.122	13982-63-3	PCI/G		0.0868		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.162	13982-63-3	PCI/G		0.132		1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.41	0.222	15262-20-1	PCI/G		0.165		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.35	0.340	15262-20-1	PCI/G		0.293		1.00	20.3
BGA1.1.4	SAMPLE	1/7/2016	388119	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.228	0.549	10098-97-2	PCI/G	U	1.14	2.00	1.00	20.3
BGA1.1.4	SAMPLE	1/19/2016	388119	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	-0.814	1.80	14133-76-7	PCI/G	U	3.21	5.00	1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.349	0.0564	14913-50-9	PCI/G		0.0425		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.348	0.0917	14913-50-9	PCI/G		0.0701		1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.28	0.653	14274-82-9	PCI/G		0.517	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.227	0.336	15594-54-4	PCI/G		0.492	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	1.21	0.623	14269-63-7	PCI/G		0.455	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.929	0.548	7440-29-1	PCI/G		0.411	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/4/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0793		PCI/G	UI	0.0803		1.00	20.3
BGA1.1.4	SAMPLE	1/20/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.135		PCI/G	UI	0.124		1.00	20.3
BGA1.1.4	SAMPLE	1/11/2016	388119	Tritium	R	EPA 906.0 Modified	0.101	2.30	10028-17-8	PCI/G	U	3.98	6.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0496	0.0715	14158-29-3	PCI/G		0.0863	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.847	0.220	13968-55-3/139	PCI/G		0.105	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0502	0.0636	15117-96-1/139	PCI/G		0.079	1.00	1.00	20.3
BGA1.1.4	SAMPLE	1/12/2016	388119	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.730	0.203	7440-61-1	PCI/G		0.0869	1.00	1.00	20.3
BGA1.1.5	SAMPLE	1/4/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0103	0.190	14952-40-0	PCI/G	U	0.355		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.139	0.339	14952-40-0	PCI/G	U	0.659		1.00	23.8
BGA1.1.5	SAMPLE	1/11/2016	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.9	3.56	12587-46-1	PCI/G		3.41	4.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.00962	0.0535	14596-10-2	PCI/G	U	0.102	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0414	0.0774	14234-35-6	PCI/G	U	0.141		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0346	0.122	14234-35-6	PCI/G	U	0.232		1.00	23.8

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.1.5	SAMPLE	1/11/2016	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	27.1	3.05	12587-47-2	PCI/G		3.11	10.0	1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.634	14913-49-6	PCI/G	UI	1.24		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.03	14913-49-6	PCI/G	UI	1.57		1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.974	0.142	14733-03-0	PCI/G		0.130		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.224	14733-03-0	PCI/G		0.141		1.00	23.8
BGA1.1.5	SAMPLE	1/19/2016	388119	Carbon-14	R	EPA EERF C-01 Modified	-0.512	0.792	14762-75-5	PCI/G	U	1.37	2.00	1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.138	0.0683	10045-97-3	PCI/G		0.0821	0.100	1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.147	0.0731	10045-97-3	PCI/G		0.0901	0.100	1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00687	0.045	10198-40-0	PCI/G	U	0.0864		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0204	0.0402	10198-40-0	PCI/G	U	0.0738		1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0404	OER-100-93	PCI/G		0.0602	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.0365	0.0626		PCI/G		0.0548	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0427		PCI/G		0.0635	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.120	0.156	15585-10-1	PCI/G	U	0.271		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0712	0.147	15585-10-1	PCI/G	U	0.268		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Iodine-129	R	DOE EML HASL-300,I-01 Modified	0.0755	0.352	15046-84-1	PCI/G	U	0.767	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Lead-210	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.26	0.726	14255-04-0	PCI/G		0.596	4.00	1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.33	0.0985	15092-94-1	PCI/G		0.0763		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.33	0.158	15092-94-1	PCI/G		0.140		1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.987	0.144	15067-28-4	PCI/G		0.108		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.29	0.201	15067-28-4	PCI/G		0.187		1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Neptunium-237	R	ASTM C 1476-00 Modified	0.00	0.147	13994-20-2	PCI/G		0.218	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0457	0.0678	13981-16-3	PCI/G		0.0991	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.0012	0.0553	OER-100-70	PCI/G	U	0.121	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/14/2016	388119	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-4.61	6.11	14119-32-5	PCI/G	U	10.8	15.0	1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.8	1.39	13966-00-2	PCI/G		0.659		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.6	1.60	13966-00-2	PCI/G		0.754		1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.585	14331-85-2	PCI/G	UI	0.691		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.695	14331-85-2	PCI/G	UI	1.34		1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.974	0.142	13982-63-3	PCI/G		0.130		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.224	13982-63-3	PCI/G		0.141		1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.362	15262-20-1	PCI/G		0.301		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.47	0.344	15262-20-1	PCI/G		0.289		1.00	23.8
BGA1.1.5	SAMPLE	1/6/2016	388119	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.319	0.841	10098-97-2	PCI/G	U	1.72	2.00	1.00	23.8
BGA1.1.5	SAMPLE	1/19/2016	388119	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	-0.48	2.20	14133-76-7	PCI/G	U	3.87	5.00	1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.376	0.0762	14913-50-9	PCI/G		0.0638		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.348	0.0995	14913-50-9	PCI/G		0.0845		1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.998	0.610	14274-82-9	PCI/G		0.524	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.143	0.281	15594-54-4	PCI/G		0.389	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.632	0.511	14269-63-7	PCI/G		0.568	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.45	0.691	7440-29-1	PCI/G		0.242	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/4/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.065		PCI/G	UI	0.0656		1.00	23.8
BGA1.1.5	SAMPLE	1/20/2016	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.157		PCI/G	UI	0.146		1.00	23.8

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.1.5	SAMPLE	1/11/2016	388119	Tritium	R	EPA 906.0 Modified	1.29	2.38	10028-17-8	PCI/G	U	4.05	6.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.013	0.0487	14158-29-3	PCI/G	U	0.0818	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.644	0.235	13968-55-3/1396	PCI/G		0.117	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0212	0.0595	15117-96-1/1396	PCI/G		0.0635	1.00	1.00	23.8
BGA1.1.5	SAMPLE	1/12/2016	388119	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.670	0.238	7440-61-1	PCI/G		0.101	1.00	1.00	23.8
BGA1.2.1	SAMPLE	1/4/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0242	0.188	14952-40-0	PCI/G	U	0.338		1.00	25.3
BGA1.2.1	SAMPLE	1/20/2016	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.137	0.289	14952-40-0	PCI/G	U	0.514		1.00	25.3
BGA1.2.1	SAMPLE	1/11/2016	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	19.7	4.53	12587-46-1	PCI/G		3.23	4.00	1.00	25.3
BGA1.2.1	SAMPLE	1/4/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0359	0.0799	14234-35-6	PCI/G	U	0.128		1.00	25.3
BGA1.2.1	SAMPLE	1/20/2016	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0241	0.114	14234-35-6	PCI/G	U	0.211		1.00	25.3
BGA1.2.1	SAMPLE	1/11/2016	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.8	3.42	12587-47-2	PCI/G		3.91	10.0	1.00	25.3
BGA1.2.1	SAMPLE	1/4/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.726	0.653	14913-49-6	PCI/G		0.631		1.00	25.3
BGA1.2.1	SAMPLE	1/20/2016	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.06	14913-49-6	PCI/G	UI	0.968		1.00	25.3
BGA1.2.1	SAMPLE	1/4/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.758	0.102	14733-03-0	PCI/G		0.0887		1.00	25.3
BGA1.2.1	SAMPLE	1/20/2016	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.987	0.171	14733-03-0	PCI/G		0.129		1.00	25.3
BGA1.2.1	SAMPLE	1/4/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.228	0.071	10045-97-3	PCI/G		0.0449	0.100	1.00	25.3
BGA1.2.1	SAMPLE	1/20/2016	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.206	0.0839	10045-97-3	PCI/G		0.0956	0.100	1.00	25.3
BGA1.2.1	SAMPLE	1/4/2016	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00185	0.0276	10198-40-0	PCI/G	U	0.0513		1.00	25.3
BGA1.2.1	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00495	0.0479	10198-40-0	PCI/G	U	0.0939		1.00	25.3
BGA1.2.1	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0963	15585-10-1	PCI/G	UI	0.163		1.00	25.3
BGA1.2.1	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0883	0.125	15585-10-1	PCI/G	U	0.213		1.00	25.3
BGA1.2.1	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.01	0.0906	15092-94-1	PCI/G		0.077		1.00	25.3
BGA1.2.1	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.892	0.128	15092-94-1	PCI/G		0.121		1.00	25.3
BGA1.2.1	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.127	15067-28-4	PCI/G		0.210		1.00	25.3
BGA1.2.1	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.901	0.214	15067-28-4	PCI/G		0.141		1.00	25.3
BGA1.2.1	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.8	1.16	13966-00-2	PCI/G		0.470		1.00	25.3
BGA1.2.1	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.7	1.53	13966-00-2	PCI/G		0.550		1.00	25.3
BGA1.2.1	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.407	14331-85-2	PCI/G	UI	0.681		1.00	25.3
BGA1.2.1	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0225	0.647	14331-85-2	PCI/G	U	1.14		1.00	25.3
BGA1.2.1	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.758	0.102	13982-63-3	PCI/G		0.0887		1.00	25.3
BGA1.2.1	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.987	0.171	13982-63-3	PCI/G		0.129		1.00	25.3
BGA1.2.1	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.891	0.201	15262-20-1	PCI/G		0.160		1.00	25.3
BGA1.2.1	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.722	0.376	15262-20-1	PCI/G		0.360		1.00	25.3
BGA1.2.1	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.287	0.0617	14913-50-9	PCI/G		0.0438		1.00	25.3
BGA1.2.1	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.265	0.0727	14913-50-9	PCI/G		0.0728		1.00	25.3
BGA1.2.1	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0911		PCI/G	UI	0.110		1.00	25.3
BGA1.2.1	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.140		PCI/G	UI	0.177		1.00	25.3
BGA1.2.2	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.041	0.209	14952-40-0	PCI/G	U	0.398		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.199	0.317	14952-40-0	PCI/G	U	0.619		1.00	18.8
BGA1.2.2	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.1	3.52	12587-46-1	PCI/G		3.36	4.00	1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0116	0.080	14234-35-6	PCI/G	U	0.144		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0697	0.120	14234-35-6	PCI/G	U	0.207		1.00	18.8
BGA1.2.2	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.5	2.70	12587-47-2	PCI/G		2.80	10.0	1.00	18.8

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.2.2	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.51	0.591	14913-49-6	PCI/G		0.731		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.897	14913-49-6	PCI/G	UI	1.50		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.915	0.136	14733-03-0	PCI/G		0.108		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.934	0.202	14733-03-0	PCI/G		0.178		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.185	0.0502	10045-97-3	PCI/G		0.0548	0.100	1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.178	0.092	10045-97-3	PCI/G		0.0999	0.100	1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0141	0.0331	10198-40-0	PCI/G	U	0.0657		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0237	0.0465	10198-40-0	PCI/G	U	0.0861		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0841	0.119	15585-10-1	PCI/G	U	0.235		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0872	0.152	15585-10-1	PCI/G	U	0.274		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.0982	15092-94-1	PCI/G		0.083		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.32	0.153	15092-94-1	PCI/G		0.134		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.148	15067-28-4	PCI/G		0.269		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.24	0.205	15067-28-4	PCI/G		0.168		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.7	1.19	13966-00-2	PCI/G		0.423		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.8	1.71	13966-00-2	PCI/G		0.841		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.498	14331-85-2	PCI/G	UI	0.624		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.677	14331-85-2	PCI/G	UI	1.38		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.915	0.136	13982-63-3	PCI/G		0.108		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.934	0.202	13982-63-3	PCI/G		0.178		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.270	15262-20-1	PCI/G		0.231		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.344	15262-20-1	PCI/G		0.289		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.302	0.066	14913-50-9	PCI/G		0.0547		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.360	0.095	14913-50-9	PCI/G		0.0783		1.00	18.8
BGA1.2.2	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.112		PCI/G	UI	0.105		1.00	18.8
BGA1.2.2	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.169		PCI/G	UI	0.196		1.00	18.8
BGA1.3.1	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.104	0.193	14952-40-0	PCI/G	U	0.360		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.205	0.293	14952-40-0	PCI/G	U	0.518		1.00	42.6
BGA1.3.1	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.8	3.23	12587-46-1	PCI/G		3.61	4.00	1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0505	0.0785	14234-35-6	PCI/G	U	0.144		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0316	0.110	14234-35-6	PCI/G	U	0.196		1.00	42.6
BGA1.3.1	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.8	2.94	12587-47-2	PCI/G		3.45	10.0	1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.32	0.565	14913-49-6	PCI/G		0.663		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.819	14913-49-6	PCI/G	UI	1.51		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.791	0.115	14733-03-0	PCI/G		0.0959		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.177	14733-03-0	PCI/G		0.144		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.328	0.0532	10045-97-3	PCI/G		0.0538	0.100	1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.354	0.0766	10045-97-3	PCI/G		0.0703	0.100	1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.000158	0.0319	10198-40-0	PCI/G	U	0.0588		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0406	0.0557	10198-40-0	PCI/G	U	0.095		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0688	0.090	15585-10-1	PCI/G	U	0.152		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0171	0.114	15585-10-1	PCI/G	U	0.233		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.03	0.0913	15092-94-1	PCI/G		0.0813		1.00	42.6

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.3.1	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.964	0.126	15092-94-1	PCI/G		0.115		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.128	15067-28-4	PCI/G		0.236		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.190	15067-28-4	PCI/G		0.162		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.3	1.01	13966-00-2	PCI/G		0.422		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.2	1.62	13966-00-2	PCI/G		0.683		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.557	14331-85-2	PCI/G	UI	0.615		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.352	0.882	14331-85-2	PCI/G	U	1.02		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.791	0.115	13982-63-3	PCI/G		0.0959		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.177	13982-63-3	PCI/G		0.144		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.209	15262-20-1	PCI/G		0.177		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.953	0.287	15262-20-1	PCI/G		0.272		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.265	0.0647	14913-50-9	PCI/G		0.0506		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.258	0.0895	14913-50-9	PCI/G		0.0752		1.00	42.6
BGA1.3.1	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0852		PCI/G	UI	0.077		1.00	42.6
BGA1.3.1	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.102		PCI/G	UI	0.130		1.00	42.6
BGA1.3.2	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0251	0.216	14952-40-0	PCI/G	U	0.389		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0671	0.372	14952-40-0	PCI/G	U	0.683		1.00	22.8
BGA1.3.2	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.5	3.79	12587-46-1	PCI/G		3.43	4.00	1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00835	0.0791	14234-35-6	PCI/G	U	0.141		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0362	0.148	14234-35-6	PCI/G	U	0.274		1.00	22.8
BGA1.3.2	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.8	2.81	12587-47-2	PCI/G		3.15	10.0	1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.22	0.706	14913-49-6	PCI/G		0.739		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.810	0.901	14913-49-6	PCI/G	U	1.93		1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.837	0.137	14733-03-0	PCI/G		0.115		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.01	0.252	14733-03-0	PCI/G		0.229		1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.284	0.0735	10045-97-3	PCI/G		0.0611	0.100	1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.299	0.137	10045-97-3	PCI/G		0.136	0.100	1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0051	0.0285	10198-40-0	PCI/G	U	0.0522		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00414	0.0597	10198-40-0	PCI/G	U	0.122		1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0753	0.107	15585-10-1	PCI/G	U	0.170		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.132	15585-10-1	PCI/G	UI	0.387		1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.0991	15092-94-1	PCI/G		0.0829		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.27	0.172	15092-94-1	PCI/G		0.165		1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.160	15067-28-4	PCI/G		0.259		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.302	15067-28-4	PCI/G		0.202		1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.6	1.29	13966-00-2	PCI/G		0.537		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.6	2.22	13966-00-2	PCI/G		1.15		1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.478	14331-85-2	PCI/G	UI	0.696		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.953	14331-85-2	PCI/G	UI	1.19		1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.837	0.137	13982-63-3	PCI/G		0.115		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.01	0.252	13982-63-3	PCI/G		0.229		1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.269	15262-20-1	PCI/G		0.229		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.29	0.421	15262-20-1	PCI/G		0.396		1.00	22.8

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.3.2	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.322	0.0541	14913-50-9	PCI/G		0.0545		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.425	0.119	14913-50-9	PCI/G		0.0976		1.00	22.8
BGA1.3.2	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.106		PCI/G	UI	0.110		1.00	22.8
BGA1.3.2	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.145		PCI/G	UI	0.173		1.00	22.8
BGA1.4.1	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0795	0.184	14952-40-0	PCI/G	U	0.334		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0553	0.311	14952-40-0	PCI/G	U	0.591		1.00	33.2
BGA1.4.1	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.8	3.17	12587-46-1	PCI/G		3.92	4.00	1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00677	0.0659	14234-35-6	PCI/G	U	0.122		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0409	0.122	14234-35-6	PCI/G	U	0.220		1.00	33.2
BGA1.4.1	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.0	2.79	12587-47-2	PCI/G		3.35	10.0	1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.562	0.471	14913-49-6	PCI/G		0.700		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.992	14913-49-6	PCI/G	UI	1.54		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.749	0.132	14733-03-0	PCI/G		0.0953		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.965	0.191	14733-03-0	PCI/G		0.164		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.260	0.0542	10045-97-3	PCI/G		0.0569	0.100	1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.232	0.0868	10045-97-3	PCI/G		0.0891	0.100	1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00557	0.0266	10198-40-0	PCI/G	U	0.051		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0271	0.0479	10198-40-0	PCI/G	U	0.103		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0608	0.0935	15585-10-1	PCI/G	U	0.158		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0468	0.154	15585-10-1	PCI/G	U	0.283		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.03	0.0865	15092-94-1	PCI/G		0.0754		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.986	0.154	15092-94-1	PCI/G		0.128		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.986	0.124	15067-28-4	PCI/G		0.0995		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.206	15067-28-4	PCI/G		0.382		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.4	1.01	13966-00-2	PCI/G		0.467		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.8	1.60	13966-00-2	PCI/G		0.834		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.524	14331-85-2	PCI/G	UI	0.616		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.191	0.683	14331-85-2	PCI/G	U	1.19		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.749	0.132	13982-63-3	PCI/G		0.0953		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.965	0.191	13982-63-3	PCI/G		0.164		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.729	0.190	15262-20-1	PCI/G		0.175		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.297	15262-20-1	PCI/G		0.316		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.226	0.0523	14913-50-9	PCI/G		0.0517		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.301	0.0957	14913-50-9	PCI/G		0.0847		1.00	33.2
BGA1.4.1	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0881		PCI/G	UI	0.0983		1.00	33.2
BGA1.4.1	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0994	0.141		PCI/G	U	0.263		1.00	33.2
BGA1.4.2	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0875	0.181	14952-40-0	PCI/G	U	0.289		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.042	0.260	14952-40-0	PCI/G	U	0.490		1.00	22
BGA1.4.2	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.6	3.55	12587-46-1	PCI/G		3.94	4.00	1.00	22
BGA1.4.2	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0107	0.0647	14234-35-6	PCI/G	U	0.117		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00353	0.0985	14234-35-6	PCI/G	U	0.179		1.00	22
BGA1.4.2	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.0	2.67	12587-47-2	PCI/G		3.04	10.0	1.00	22
BGA1.4.2	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.634	14913-49-6	PCI/G	UI	0.850		1.00	22

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.4.2	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.598	14913-49-6	PCI/G	UI	1.16		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.654	0.130	14733-03-0	PCI/G		0.0828		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.889	0.169	14733-03-0	PCI/G		0.137		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.188	0.0539	10045-97-3	PCI/G		0.0457	0.100	1.00	22
BGA1.4.2	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.215	0.0782	10045-97-3	PCI/G		0.0609	0.100	1.00	22
BGA1.4.2	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00729	0.0276	10198-40-0	PCI/G	U	0.0525		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0209	0.0343	10198-40-0	PCI/G	U	0.0482		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0769	15585-10-1	PCI/G	UI	0.162		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00916	0.091	15585-10-1	PCI/G	U	0.180		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.088	15092-94-1	PCI/G		0.0697		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.123	15092-94-1	PCI/G		0.100		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.968	0.123	15067-28-4	PCI/G		0.0908		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.950	0.175	15067-28-4	PCI/G		0.143		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.9	0.981	13966-00-2	PCI/G		0.367		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.7	1.37	13966-00-2	PCI/G		0.571		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.472	14331-85-2	PCI/G	UI	0.584		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.646	14331-85-2	PCI/G	UI	0.803		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.654	0.130	13982-63-3	PCI/G		0.0828		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.889	0.169	13982-63-3	PCI/G		0.137		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.784	0.199	15262-20-1	PCI/G		0.167		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.945	0.227	15262-20-1	PCI/G		0.212		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.274	0.0594	14913-50-9	PCI/G		0.0434		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.313	0.0725	14913-50-9	PCI/G		0.0624		1.00	22
BGA1.4.2	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0816		PCI/G	UI	0.0809		1.00	22
BGA1.4.2	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.122		PCI/G	UI	0.124		1.00	22
BGA1.5.1	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0237	0.279	14952-40-0	PCI/G	U	0.517		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.25	0.269	14952-40-0	PCI/G	U	0.456		1.00	27.6
BGA1.5.1	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.2	3.60	12587-46-1	PCI/G		3.89	4.00	1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0439	0.113	14234-35-6	PCI/G	U	0.209		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.289	14234-35-6	PCI/G	UI	0.192		1.00	27.6
BGA1.5.1	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	30.3	3.31	12587-47-2	PCI/G		3.56	10.0	1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.914	14913-49-6	PCI/G	UI	1.33		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.847	14913-49-6	PCI/G	UI	1.43		1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.959	0.160	14733-03-0	PCI/G		0.141		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.198	14733-03-0	PCI/G		0.146		1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.337	0.0867	10045-97-3	PCI/G		0.0828	0.100	1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.391	0.0852	10045-97-3	PCI/G		0.0851	0.100	1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00312	0.0437	10198-40-0	PCI/G	U	0.084		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0127	0.0439	10198-40-0	PCI/G	U	0.0823		1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.138	15585-10-1	PCI/G	UI	0.295		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.134	0.184	15585-10-1	PCI/G	U	0.254		1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.16	0.127	15092-94-1	PCI/G		0.116		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.09	0.121	15092-94-1	PCI/G		0.126		1.00	27.6

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.5.1	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.180	15067-28-4	PCI/G		0.318		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.175	15067-28-4	PCI/G		0.152		1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.7	1.43	13966-00-2	PCI/G		0.676		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.5	1.46	13966-00-2	PCI/G		0.692		1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.413	0.587	14331-85-2	PCI/G	U	1.08		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.828	14331-85-2	PCI/G	UI	0.916		1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.959	0.160	13982-63-3	PCI/G		0.141		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.198	13982-63-3	PCI/G		0.146		1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.801	0.349	15262-20-1	PCI/G		0.274		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.01	0.299	15262-20-1	PCI/G		0.300		1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.314	0.0879	14913-50-9	PCI/G		0.0738		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.267	0.0959	14913-50-9	PCI/G		0.0704		1.00	27.6
BGA1.5.1	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0903		PCI/G	UI	0.0929		1.00	27.6
BGA1.5.1	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0914		PCI/G	UI	0.128		1.00	27.6
BGA1.5.2	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.018	0.229	14952-40-0	PCI/G	U	0.413		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.179	0.275	14952-40-0	PCI/G	U	0.518		1.00	21.2
BGA1.5.2	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.4	3.40	12587-46-1	PCI/G		4.05	4.00	1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0897	14234-35-6	PCI/G	UI	0.149		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00353	0.102	14234-35-6	PCI/G	U	0.186		1.00	21.2
BGA1.5.2	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.7	2.90	12587-47-2	PCI/G		3.22	10.0	1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.533	14913-49-6	PCI/G	UI	1.02		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.924	14913-49-6	PCI/G	UI	0.913		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.740	0.150	14733-03-0	PCI/G		0.109		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.895	0.179	14733-03-0	PCI/G		0.127		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.220	0.0693	10045-97-3	PCI/G		0.0563	0.100	1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.241	0.079	10045-97-3	PCI/G		0.078	0.100	1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0138	0.030	10198-40-0	PCI/G	U	0.061		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0111	0.0361	10198-40-0	PCI/G	U	0.0657		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00543	0.107	15585-10-1	PCI/G	U	0.201		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0451	0.111	15585-10-1	PCI/G	U	0.199		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.00	0.102	15092-94-1	PCI/G		0.0894		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.121	15092-94-1	PCI/G		0.109		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.164	15067-28-4	PCI/G		0.268		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.156	15067-28-4	PCI/G		0.136		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.7	1.11	13966-00-2	PCI/G		0.572		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.8	1.21	13966-00-2	PCI/G		0.659		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.317	0.551	14331-85-2	PCI/G	U	0.762		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.650	14331-85-2	PCI/G	UI	0.907		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.740	0.150	13982-63-3	PCI/G		0.109		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.895	0.179	13982-63-3	PCI/G		0.127		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.218	15262-20-1	PCI/G	UI	0.425		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.01	0.257	15262-20-1	PCI/G		0.273		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.358	0.0662	14913-50-9	PCI/G		0.0556		1.00	21.2

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA1.5.2	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.309	0.085	14913-50-9	PCI/G		0.0664		1.00	21.2
BGA1.5.2	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0913		PCI/G	UI	0.125		1.00	21.2
BGA1.5.2	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.117		PCI/G	UI	0.164		1.00	21.2
BGA1.5.2	MSD	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	114	16.0	12587-46-1	%		6.42	4.00	1.00	21.2
BGA1.5.2	MSD	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	117	17.9	12587-47-2	%		4.17	10.0	1.00	21.2
BGA1.5.2	MS	42383	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	75.5	13.5	12587-46-1	%		6.49	4.00	1.00	21.2
BGA1.5.2	MS	42383	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	120	18.9	12587-47-2	%		3.93	10.0	1.00	21.2
BGA1.5.2	DUP	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.8	3.35	12587-46-1	PCI/G		3.98	4.00	1.00	21.2
BGA1.5.2	DUP	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	24.2	3.42	12587-47-2	PCI/G		4.00	10.0	1.00	21.2
BGA2.1.1	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0573	0.237	14952-40-0	PCI/G	U	0.423		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.114	0.379	14952-40-0	PCI/G	U	0.685		1.00	39.4
BGA2.1.1	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	9.23	3.11	12587-46-1	PCI/G		3.78	4.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	-0.0317	0.0399	14596-10-2	PCI/G	U	0.133	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0159	0.0898	14234-35-6	PCI/G	U	0.158		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.107	0.138	14234-35-6	PCI/G	U	0.272		1.00	39.4
BGA2.1.1	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.0	2.62	12587-47-2	PCI/G		3.19	10.0	1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.651	14913-49-6	PCI/G	UI	0.950		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.762	14913-49-6	PCI/G	UI	1.61		1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.550	0.116	14733-03-0	PCI/G		0.108		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.688	0.199	14733-03-0	PCI/G		0.200		1.00	39.4
BGA2.1.1	SAMPLE	42388	388119	Carbon-14	R	EPA EERF C-01 Modified	-0.12	1.00	14762-75-5	PCI/G	U	1.72	2.00	1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.646	0.0907	10045-97-3	PCI/G		0.0647	0.100	1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.769	0.127	10045-97-3	PCI/G		0.0823	0.100	1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00335	0.0336	10198-40-0	PCI/G	U	0.0642		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0248	0.0464	10198-40-0	PCI/G	U	0.0807		1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.0136	0.051	OER-100-93	PCI/G	U	0.0858	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.00457	0.0477		PCI/G	U	0.0996	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0287	0.066		PCI/G		0.105	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0293	0.090	15585-10-1	PCI/G	U	0.167		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0558	0.150	15585-10-1	PCI/G	U	0.269		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.0504	0.472	15046-84-1	PCI/G	U	0.928	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.513	0.0947	15092-94-1	PCI/G		0.108		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.692	0.128	15092-94-1	PCI/G		0.140		1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.618	0.144	15067-28-4	PCI/G		0.249		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.819	0.193	15067-28-4	PCI/G		0.393		1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Neptunium-237	R	ASTM C 1476-00 Modified	-0.0585	0.264	13994-20-2	PCI/G	U	0.666	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0073	0.0323	13981-16-3	PCI/G	U	0.0843	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.0195	0.0536	OER-100-70	PCI/G	U	0.0929	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42383	388119	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-9.13	6.96	14119-32-5	PCI/G	U	12.5	15.0	1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	6.95	1.01	13966-00-2	PCI/G		0.562		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	6.78	1.27	13966-00-2	PCI/G		0.930		1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.793	14331-85-2	PCI/G	UI	0.732		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.104	0.747	14331-85-2	PCI/G	U	1.28		1.00	39.4

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.1.1	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.550	0.116	13982-63-3	PCI/G		0.108		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.688	0.199	13982-63-3	PCI/G		0.200		1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.270	15262-20-1	PCI/G	UI	0.454		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.248	15262-20-1	PCI/G	UI	0.546		1.00	39.4
BGA2.1.1	SAMPLE	42375	388119	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.638	0.832	10098-97-2	PCI/G	U	1.76	2.00	1.00	39.4
BGA2.1.1	SAMPLE	42388	388119	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	-0.715	2.78	14133-76-7	PCI/G	U	4.91	5.00	1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.158	0.0635	14913-50-9	PCI/G		0.0621		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.181	0.115	14913-50-9	PCI/G		0.092		1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.584	0.535	14274-82-9	PCI/G		0.498	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.00	0.203	15594-54-4	PCI/G		0.303	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.733	0.599	14269-63-7	PCI/G		0.615	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.20	0.711	7440-29-1	PCI/G		0.301	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0987		PCI/G	UI	0.112		1.00	39.4
BGA2.1.1	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0534	0.128		PCI/G	U	0.210		1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Tritium	R	EPA 906.0 Modified	0.867	3.05	10028-17-8	PCI/G	U	5.24	6.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0228	0.114	14158-29-3	PCI/G	U	0.227	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.775	0.411	13968-55-3/1396	PCI/G		0.368	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0495	0.169	15117-96-1/1396	PCI/G	U	0.314	1.00	1.00	39.4
BGA2.1.1	SAMPLE	42381	388119	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.690	0.374	7440-61-1	PCI/G		0.263	1.00	1.00	39.4
BGA2.1.2	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0855	0.169	14952-40-0	PCI/G	U	0.327		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0727	0.203	14952-40-0	PCI/G	U	0.405		1.00	29
BGA2.1.2	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	6.21	2.78	12587-46-1	PCI/G		3.75	4.00	1.00	29
BGA2.1.2	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.023	0.0617	14234-35-6	PCI/G	U	0.108		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.049	0.0737	14234-35-6	PCI/G	U	0.151		1.00	29
BGA2.1.2	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.9	2.73	12587-47-2	PCI/G		3.25	10.0	1.00	29
BGA2.1.2	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.394	14913-49-6	PCI/G	UI	0.782		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.11	0.730	14913-49-6	PCI/G		0.748		1.00	29
BGA2.1.2	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.622	0.0988	14733-03-0	PCI/G		0.0855		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.697	0.165	14733-03-0	PCI/G		0.121		1.00	29
BGA2.1.2	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0421	0.0404	10045-97-3	PCI/G		0.0501	0.100	1.00	29
BGA2.1.2	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0238	0.0366	10045-97-3	PCI/G	U	0.0753	0.100	1.00	29
BGA2.1.2	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.000729	0.0259	10198-40-0	PCI/G	U	0.0511		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0115	0.0345	10198-40-0	PCI/G	U	0.0643		1.00	29
BGA2.1.2	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0571	0.177	15585-10-1	PCI/G	U	0.148		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0429	0.0913	15585-10-1	PCI/G	U	0.199		1.00	29
BGA2.1.2	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.814	0.0842	15092-94-1	PCI/G		0.075		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.802	0.106	15092-94-1	PCI/G		0.079		1.00	29
BGA2.1.2	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.799	0.130	15067-28-4	PCI/G		0.218		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.908	0.141	15067-28-4	PCI/G		0.105		1.00	29
BGA2.1.2	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	7.51	0.844	13966-00-2	PCI/G		0.402		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	8.30	1.10	13966-00-2	PCI/G		0.105		1.00	29
BGA2.1.2	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.407	14331-85-2	PCI/G	UI	0.737		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.295	0.576	14331-85-2	PCI/G	U	0.789		1.00	29

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.1.2	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.622	0.0988	13982-63-3	PCI/G		0.0855		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.697	0.165	13982-63-3	PCI/G		0.121		1.00	29
BGA2.1.2	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.719	0.195	15262-20-1	PCI/G		0.209		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.880	0.266	15262-20-1	PCI/G		0.214		1.00	29
BGA2.1.2	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.236	0.0559	14913-50-9	PCI/G		0.0392		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.178	0.0626	14913-50-9	PCI/G		0.0582		1.00	29
BGA2.1.2	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0799		PCI/G	UI	0.0968		1.00	29
BGA2.1.2	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0828		PCI/G	UI	0.0856		1.00	29
BGA2.1.3	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00612	0.188	14952-40-0	PCI/G	U	0.355		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0587	0.247	14952-40-0	PCI/G	U	0.488		1.00	20.7
BGA2.1.3	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.0	3.16	12587-46-1	PCI/G		3.81	4.00	1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0248	0.0711	14234-35-6	PCI/G	U	0.127		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0904	0.203	14234-35-6	PCI/G	U	0.208		1.00	20.7
BGA2.1.3	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.4	2.56	12587-47-2	PCI/G		2.74	10.0	1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.642	14913-49-6	PCI/G	UI	0.979		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.689	14913-49-6	PCI/G	UI	1.50		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.737	0.142	14733-03-0	PCI/G		0.0964		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.808	0.216	14733-03-0	PCI/G		0.148		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00545	0.0263	10045-97-3	PCI/G	U	0.0487	0.100	1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0157	0.0492	10045-97-3	PCI/G	U	0.0896	0.100	1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0184	0.0299	10198-40-0	PCI/G	U	0.055		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0456	0.0544	10198-40-0	PCI/G	U	0.122		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00608	0.102	15585-10-1	PCI/G	U	0.166		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0917	0.179	15585-10-1	PCI/G	U	0.373		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.940	0.0898	15092-94-1	PCI/G		0.0733		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.01	0.121	15092-94-1	PCI/G		0.0941		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.143	15067-28-4	PCI/G		0.0993		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.949	0.185	15067-28-4	PCI/G		0.163		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.9	1.06	13966-00-2	PCI/G		0.430		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.4	1.66	13966-00-2	PCI/G		0.787		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.526	14331-85-2	PCI/G	UI	0.599		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.264	0.603	14331-85-2	PCI/G	U	1.06		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.737	0.142	13982-63-3	PCI/G		0.0964		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.808	0.216	13982-63-3	PCI/G		0.148		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.860	0.210	15262-20-1	PCI/G		0.180		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.783	0.296	15262-20-1	PCI/G		0.440		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.300	0.0573	14913-50-9	PCI/G		0.044		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.225	0.0966	14913-50-9	PCI/G		0.0737		1.00	20.7
BGA2.1.3	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0496	0.118		PCI/G	U	0.119		1.00	20.7
BGA2.1.3	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.083		PCI/G	UI	0.0788		1.00	20.7
BGA2.1.4	SAMPLE	42373	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0441	0.260	14952-40-0	PCI/G	U	0.453		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0202	0.292	14952-40-0	PCI/G	U	0.536		1.00	22
BGA2.1.4	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	19.7	3.82	12587-46-1	PCI/G		2.43	4.00	1.00	22

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.1.4	SAMPLE	42381	388119	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0274	0.063	14596-10-2	PCI/G		0.0999	1.00	1.00	22
BGA2.1.4	SAMPLE	42373	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0373	0.110	14234-35-6	PCI/G	U	0.207		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0796	0.110	14234-35-6	PCI/G	U	0.185		1.00	22
BGA2.1.4	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	35.2	3.16	12587-47-2	PCI/G		2.74	10.0	1.00	22
BGA2.1.4	SAMPLE	42373	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.173	0.908	14913-49-6	PCI/G	U	1.54		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.80	1.06	14913-49-6	PCI/G		1.16		1.00	22
BGA2.1.4	SAMPLE	42373	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.24	0.185	14733-03-0	PCI/G		0.153		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.990	0.189	14733-03-0	PCI/G		0.140		1.00	22
BGA2.1.4	SAMPLE	42388	388119	Carbon-14	R	EPA EERF C-01 Modified	-0.537	0.766	14762-75-5	PCI/G	U	1.33	2.00	1.00	22
BGA2.1.4	SAMPLE	42373	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0037	0.0503	10045-97-3	PCI/G	U	0.0905	0.100	1.00	22
BGA2.1.4	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0611	0.0503	10045-97-3	PCI/G		0.082	0.100	1.00	22
BGA2.1.4	SAMPLE	42373	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.021	0.0446	10198-40-0	PCI/G	U	0.093		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0108	0.0486	10198-40-0	PCI/G	U	0.089		1.00	22
BGA2.1.4	SAMPLE	42381	388119	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	-0.00469	0.0405	OER-100-93	PCI/G	U	0.0938	1.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.00926	0.0515		PCI/G	U	0.0986	1.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0416		PCI/G		0.0619	1.00	1.00	22
BGA2.1.4	SAMPLE	42373	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0938	0.143	15585-10-1	PCI/G	U	0.297		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0959	0.149	15585-10-1	PCI/G	U	0.301		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.146	0.331	15046-84-1	PCI/G	U	0.621	1.00	1.00	22
BGA2.1.4	SAMPLE	42373	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.36	0.123	15092-94-1	PCI/G		0.101		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.53	0.140	15092-94-1	PCI/G		0.108		1.00	22
BGA2.1.4	SAMPLE	42373	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.210	15067-28-4	PCI/G		0.147		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.46	0.205	15067-28-4	PCI/G		0.381		1.00	22
BGA2.1.4	SAMPLE	42381	388119	Neptunium-237	R	ASTM C 1476-00 Modified	-0.0358	0.158	13994-20-2	PCI/G	U	0.413	1.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.00414	0.0471	13981-16-3	PCI/G	U	0.100	1.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.0357	0.0514	OER-100-70	PCI/G		0.062	1.00	1.00	22
BGA2.1.4	SAMPLE	1/2015/2016	388119	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-6.29	6.10	14119-32-5	PCI/G	U	10.9	15.0	1.00	22
BGA2.1.4	SAMPLE	42373	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	23.6	2.02	13966-00-2	PCI/G		0.777		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	25.6	1.94	13966-00-2	PCI/G		0.651		1.00	22
BGA2.1.4	SAMPLE	42373	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.437	0.609	14331-85-2	PCI/G	U	1.06		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.857	14331-85-2	PCI/G	UI	0.983		1.00	22
BGA2.1.4	SAMPLE	42373	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.24	0.185	13982-63-3	PCI/G		0.153		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.990	0.189	13982-63-3	PCI/G		0.140		1.00	22
BGA2.1.4	SAMPLE	42373	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.378	15262-20-1	PCI/G		0.336		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.08	0.369	15262-20-1	PCI/G		0.282		1.00	22
BGA2.1.4	SAMPLE	42376	388119	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.758	0.512	10098-97-2	PCI/G	U	1.21	2.00	1.00	22
BGA2.1.4	SAMPLE	42388	388119	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	2.01	2.78	14133-76-7	PCI/G	U	4.71	5.00	1.00	22
BGA2.1.4	SAMPLE	42373	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.405	0.0953	14913-50-9	PCI/G		0.0723		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.355	0.0809	14913-50-9	PCI/G		0.0811		1.00	22
BGA2.1.4	SAMPLE	42381	388119	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.06	0.649	14274-82-9	PCI/G		0.553	1.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.218	0.346	15594-54-4	PCI/G		0.478	1.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.820	0.565	14269-63-7	PCI/G		0.477	1.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.03	0.608	7440-29-1	PCI/G		0.258	1.00	1.00	22

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.1.4	SAMPLE	42373	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.128		PCI/G	UI	0.118		1.00	22
BGA2.1.4	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.142		PCI/G	UI	0.172		1.00	22
BGA2.1.4	SAMPLE	42381	388119	Tritium	R	EPA 906.0 Modified	0.719	2.35	10028-17-8	PCI/G	U	4.03	6.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0136	0.0511	14158-29-3	PCI/G	U	0.0859	1.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	1.01	0.261	13968-55-3/1396	PCI/G		0.111	1.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0508	0.0668	15117-96-1/1396	PCI/G		0.0508	1.00	1.00	22
BGA2.1.4	SAMPLE	42381	388119	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	1.10	0.271	7440-61-1	PCI/G		0.103	1.00	1.00	22
BGA2.1.5	SAMPLE	42374	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0321	0.235	14952-40-0	PCI/G	U	0.440		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.403	14952-40-0	PCI/G	UI	0.637		1.00	40.7
BGA2.1.5	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	4.38	2.43	12587-46-1	PCI/G		3.62	4.00	1.00	40.7
BGA2.1.5	SAMPLE	42382	388119	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.00764	0.0424	14596-10-2	PCI/G	U	0.0814	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00271	0.109	14234-35-6	PCI/G	U	0.177		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0668	0.106	14234-35-6	PCI/G	U	0.213		1.00	40.7
BGA2.1.5	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.1	2.54	12587-47-2	PCI/G		3.31	10.0	1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.570	0.625	14913-49-6	PCI/G		0.735		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.578	14913-49-6	PCI/G		0.873		1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.469	0.170	14733-03-0	PCI/G		0.138		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.526	0.153	14733-03-0	PCI/G		0.153		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Carbon-14	R	EPA EERF C-01 Modified	-0.485	1.02	14762-75-5	PCI/G	U	1.76	2.00	1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.850	0.122	10045-97-3	PCI/G		0.0792	0.100	1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.865	0.110	10045-97-3	PCI/G		0.0589	0.100	1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0168	0.0342	10198-40-0	PCI/G	U	0.0751		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.019	0.0344	10198-40-0	PCI/G	U	0.0665		1.00	40.7
BGA2.1.5	SAMPLE	42382	388119	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0323	OER-100-93	PCI/G		0.048	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42382	388119	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.0221	0.0507		PCI/G		0.0804	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42382	388119	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0168	0.0473		PCI/G		0.0504	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0534	0.120	15585-10-1	PCI/G	U	0.211		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.116	15585-10-1	PCI/G	UI	0.316		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Iodine-129	R	DOE EML HASL-300, I-01 Modified	-0.408	0.472	15046-84-1	PCI/G	U	0.670	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.648	0.104	15092-94-1	PCI/G		0.100		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.676	0.120	15092-94-1	PCI/G		0.123		1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.701	0.140	15067-28-4	PCI/G		0.153		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.777	0.187	15067-28-4	PCI/G		0.171		1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Neptunium-237	R	ASTM C 1476-00 Modified	-0.0315	0.271	13994-20-2	PCI/G	U	0.629	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0599	0.0706	13981-16-3	PCI/G		0.0764	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.0325	0.0647	OER-100-70	PCI/G		0.105	1.00	1.00	40.7
BGA2.1.5	SAMPLE	1/2015/2016	388119	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-4.32	6.45	14119-32-5	PCI/G	U	11.4	15.0	1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	6.75	1.12	13966-00-2	PCI/G		0.714		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	6.88	1.22	13966-00-2	PCI/G		0.897		1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.161	0.517	14331-85-2	PCI/G	U	0.962		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0165	0.551	14331-85-2	PCI/G	U	0.997		1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.469	0.170	13982-63-3	PCI/G		0.138		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.526	0.153	13982-63-3	PCI/G		0.153		1.00	40.7

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.1.5	SAMPLE	42374	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.753	0.257	15262-20-1	PCI/G		0.279		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.593	0.293	15262-20-1	PCI/G		0.244		1.00	40.7
BGA2.1.5	SAMPLE	42375	388119	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.686	0.653	10098-97-2	PCI/G	U	1.41	2.00	1.00	40.7
BGA2.1.5	SAMPLE	42388	388119	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	0.839	2.33	14133-76-7	PCI/G	U	3.98	5.00	1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.210	0.0766	14913-50-9	PCI/G		0.0788		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.225	0.0615	14913-50-9	PCI/G		0.0782		1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.517	0.497	14274-82-9	PCI/G		0.600	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.0661	0.248	15594-54-4	PCI/G	U	0.417	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.867	0.565	14269-63-7	PCI/G		0.260	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.370	0.423	7440-29-1	PCI/G		0.528	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42374	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0453	0.0905		PCI/G	U	0.149		1.00	40.7
BGA2.1.5	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0714	0.0922		PCI/G	U	0.172		1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Tritium	R	EPA 906.0 Modified	-0.806	3.02	10028-17-8	PCI/G	U	5.28	6.00	1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	-0.0535	0.122	14158-29-3	PCI/G	U	0.332	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.591	0.273	13968-55-3/13968-55-3	PCI/G		0.0934	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0624	0.107	15117-96-1/13968-55-3	PCI/G		0.0936	1.00	1.00	40.7
BGA2.1.5	SAMPLE	42381	388119	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	1.02	0.356	7440-61-1	PCI/G		0.149	1.00	1.00	40.7
BGA2.1.5	DUP	42375	388092	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	0.240	0.795	10098-97-2	PCI/G	U	1.43	2.00	1.00	40.7
BGA2.1.5	DUP	42375	388119	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	0.240	0.795	10098-97-2	PCI/G	U	1.43	2.00	1.00	40.7
BGA2.1.6	SAMPLE	42380	388121	Actinium-227	R	EPA 901.1	-11.7	28.8	14952-40-0	PCI/L	U	49.4		1.00	100
BGA2.1.6	SAMPLE	42375	388121	ALPHA	R	EPA 900.0/SW846 9310	-1.01	1.07	12587-46-1	PCI/L	U	2.98	5.00	1.00	100
BGA2.1.6	SAMPLE	42380	388121	Antimony-125	R	EPA 901.1	6.50	9.82	14234-35-6	PCI/L	U	18.1		1.00	100
BGA2.1.6	SAMPLE	42375	388121	BETA	R	EPA 900.0/SW846 9310	-2.69	2.41	12587-47-2	PCI/L	U	4.84	5.00	1.00	100
BGA2.1.6	SAMPLE	42380	388121	Bismuth-212	R	EPA 901.1	43.0	51.7	14913-49-6	PCI/L	U	102		1.00	100
BGA2.1.6	SAMPLE	42380	388121	Bismuth-214	R	EPA 901.1	0.00	14.7	14733-03-0	PCI/L	UI	15.9		1.00	100
BGA2.1.6	SAMPLE	42380	388121	Cesium-137	R	EPA 901.1	-0.165	3.50	10045-97-3	PCI/L	U	6.42	10.0	1.00	100
BGA2.1.6	SAMPLE	42380	388121	Cobalt-60	R	EPA 901.1	-1.18	3.60	10198-40-0	PCI/L	U	6.09		1.00	100
BGA2.1.6	SAMPLE	42380	388121	Europium-154	R	EPA 901.1	-0.889	10.4	15585-10-1	PCI/L	U	19.7		1.00	100
BGA2.1.6	SAMPLE	42380	388121	Lead-212	R	EPA 901.1	6.25	13.6	15092-94-1	PCI/L	U	13.1		1.00	100
BGA2.1.6	SAMPLE	42380	388121	Lead-214	R	EPA 901.1	5.16	10.4	15067-28-4	PCI/L	U	17.3		1.00	100
BGA2.1.6	SAMPLE	42380	388121	Potassium-40	R	EPA 901.1	19.7	64.9	13966-00-2	PCI/L	U	65.0		1.00	100
BGA2.1.6	SAMPLE	42380	388121	Protactinium-231	R	EPA 901.1	-15.1	54.0	14331-85-2	PCI/L	U	92.8		1.00	100
BGA2.1.6	SAMPLE	42380	388121	Radium-228	R	EPA 901.1	-0.994	16.1	15262-20-1	PCI/L	U	27.9		1.00	100
BGA2.1.6	SAMPLE	42380	388121	Thallium-208	R	EPA 901.1	2.84	4.56	14913-50-9	PCI/L	U	7.67		1.00	100
BGA2.1.6	SAMPLE	42380	388121	Tin-126	R	EPA 901.1	-0.907	8.81		PCI/L	U	15.9		1.00	100
BGA2.2.1	SAMPLE	42374	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.281	0.398	14952-40-0	PCI/G	U	0.756		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.112	0.409	14952-40-0	PCI/G	U	0.710		1.00	38.7
BGA2.2.1	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.0	3.73	12587-46-1	PCI/G		3.89	4.00	1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0738	0.146	14234-35-6	PCI/G	U	0.259		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0293	0.152	14234-35-6	PCI/G	U	0.270		1.00	38.7
BGA2.2.1	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	29.4	3.35	12587-47-2	PCI/G		3.64	10.0	1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.998	1.00	14913-49-6	PCI/G		1.49		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.598	1.34	14913-49-6	PCI/G	U	1.89		1.00	38.7

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.2.1	SAMPLE	42374	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.892	0.217	14733-03-0	PCI/G		0.242		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.871	0.248	14733-03-0	PCI/G		0.203		1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.323	0.120	10045-97-3	PCI/G		0.112	0.100	1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.292	0.114	10045-97-3	PCI/G		0.102	0.100	1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0312	0.0465	10198-40-0	PCI/G	U	0.107		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0223	0.0647	10198-40-0	PCI/G	U	0.134		1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0121	0.216	15585-10-1	PCI/G	U	0.407		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0458	0.198	15585-10-1	PCI/G	U	0.397		1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.156	15092-94-1	PCI/G		0.167		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.902	0.195	15092-94-1	PCI/G		0.217		1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.983	0.250	15067-28-4	PCI/G		0.202		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.839	0.252	15067-28-4	PCI/G		0.187		1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	17.4	2.13	13966-00-2	PCI/G		1.10		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	20.1	2.44	13966-00-2	PCI/G		1.18		1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.380	0.777	14331-85-2	PCI/G	U	1.40		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.946	14331-85-2	PCI/G	UI	1.33		1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.892	0.217	13982-63-3	PCI/G		0.242		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.871	0.248	13982-63-3	PCI/G		0.203		1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.888	0.362	15262-20-1	PCI/G		0.430		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.326	15262-20-1	PCI/G		0.319		1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.362	0.103	14913-50-9	PCI/G		0.0953		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.395	0.115	14913-50-9	PCI/G		0.117		1.00	38.7
BGA2.2.1	SAMPLE	42374	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.136		PCI/G	UI	0.249		1.00	38.7
BGA2.2.1	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.027	0.159		PCI/G	U	0.253		1.00	38.7
BGA2.2.2	SAMPLE	42374	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0141	0.380	14952-40-0	PCI/G	U	0.693		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.247	0.309	14952-40-0	PCI/G	U	0.600		1.00	37.3
BGA2.2.2	SAMPLE	42380	388119	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.9	3.30	12587-46-1	PCI/G		3.07	4.00	1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0256	0.135	14234-35-6	PCI/G	U	0.250		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0877	0.124	14234-35-6	PCI/G	U	0.206		1.00	37.3
BGA2.2.2	SAMPLE	42380	388119	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.4	2.86	12587-47-2	PCI/G		3.53	10.0	1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.24	1.36	14913-49-6	PCI/G		1.36		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.774	14913-49-6	PCI/G	UI	1.45		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.750	0.214	14733-03-0	PCI/G		0.183		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.222	14733-03-0	PCI/G		0.170		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.192	0.0717	10045-97-3	PCI/G		0.103	0.100	1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.181	0.0803	10045-97-3	PCI/G		0.0989	0.100	1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0441	0.0537	10198-40-0	PCI/G	U	0.115		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0148	0.0527	10198-40-0	PCI/G	U	0.0945		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0371	0.240	15585-10-1	PCI/G	U	0.449		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.108	0.185	15585-10-1	PCI/G	U	0.263		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.25	0.165	15092-94-1	PCI/G		0.156		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.175	15092-94-1	PCI/G		0.169		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.904	0.266	15067-28-4	PCI/G		0.214		1.00	37.3

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.2.2	SAMPLE	42389	388119	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.220	15067-28-4	PCI/G		0.190		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	19.5	2.12	13966-00-2	PCI/G		0.694		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	18.1	1.79	13966-00-2	PCI/G		0.730		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.760	14331-85-2	PCI/G	UI	1.07		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.706	14331-85-2	PCI/G	UI	1.18		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.750	0.214	13982-63-3	PCI/G		0.183		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.222	13982-63-3	PCI/G		0.170		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.34	0.421	15262-20-1	PCI/G		0.395		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.25	0.360	15262-20-1	PCI/G		0.318		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.461	0.104	14913-50-9	PCI/G		0.0941		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.412	0.0854	14913-50-9	PCI/G		0.083		1.00	37.3
BGA2.2.2	SAMPLE	42374	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.156		PCI/G	UI	0.230		1.00	37.3
BGA2.2.2	SAMPLE	42389	388119	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.062	0.219		PCI/G	U	0.205		1.00	37.3
BGA2.3.1	SAMPLE	42374	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00108	0.299	14952-40-0	PCI/G	U	0.564		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0372	0.321	14952-40-0	PCI/G	U	0.608		1.00	32.7
BGA2.3.1	SAMPLE	42381	388121	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.9	3.86	12587-46-1	PCI/G		3.97	4.00	1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0187	0.112	14234-35-6	PCI/G	U	0.210		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0053	0.116	14234-35-6	PCI/G	U	0.219		1.00	32.7
BGA2.3.1	SAMPLE	42381	388121	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.4	3.07	12587-47-2	PCI/G		2.91	10.0	1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.03	0.748	14913-49-6	PCI/G		1.11		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.685	14913-49-6	PCI/G	UI	1.37		1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.876	0.161	14733-03-0	PCI/G		0.149		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.765	0.157	14733-03-0	PCI/G		0.152		1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.359	0.0772	10045-97-3	PCI/G		0.0565	0.100	1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.328	0.0933	10045-97-3	PCI/G		0.0929	0.100	1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0388	0.0387	10198-40-0	PCI/G	U	0.0589		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0242	0.0413	10198-40-0	PCI/G	U	0.0913		1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00175	0.134	15585-10-1	PCI/G	U	0.263		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0709	0.160	15585-10-1	PCI/G	U	0.287		1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.984	0.137	15092-94-1	PCI/G		0.122		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.885	0.139	15092-94-1	PCI/G		0.138		1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.09	0.202	15067-28-4	PCI/G		0.367		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.896	0.217	15067-28-4	PCI/G		0.178		1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.8	1.66	13966-00-2	PCI/G		0.861		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.4	1.54	13966-00-2	PCI/G		0.649		1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.699	14331-85-2	PCI/G	UI	1.02		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.338	0.673	14331-85-2	PCI/G	U	1.20		1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.876	0.161	13982-63-3	PCI/G		0.149		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.765	0.157	13982-63-3	PCI/G		0.152		1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.799	0.303	15262-20-1	PCI/G		0.292		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.556	0.366	15262-20-1	PCI/G		0.357		1.00	32.7
BGA2.3.1	SAMPLE	42374	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.260	0.102	14913-50-9	PCI/G		0.0894		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.295	0.106	14913-50-9	PCI/G		0.0872		1.00	32.7

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.3.1	SAMPLE	42374	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.137		PCI/G	UI	0.197		1.00	32.7
BGA2.3.1	SAMPLE	42389	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.376		PCI/G	UI	0.215		1.00	32.7
BGA2.3.2	SAMPLE	42374	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00517	0.245	14952-40-0	PCI/G	U	0.466		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0775	0.263	14952-40-0	PCI/G	U	0.476		1.00	27.5
BGA2.3.2	SAMPLE	42381	388121	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	5.20	2.84	12587-46-1	PCI/G		3.85	4.00	1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00452	0.0846	14234-35-6	PCI/G	U	0.158		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0243	0.0906	14234-35-6	PCI/G	U	0.171		1.00	27.5
BGA2.3.2	SAMPLE	42381	388121	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.3	2.80	12587-47-2	PCI/G		2.62	10.0	1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.783	14913-49-6	PCI/G	UI	0.901		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.835	0.657	14913-49-6	PCI/G		0.835		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.735	0.163	14733-03-0	PCI/G		0.130		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.918	0.156	14733-03-0	PCI/G		0.110		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.287	0.0663	10045-97-3	PCI/G		0.0767	0.100	1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.217	0.0904	10045-97-3	PCI/G		0.0654	0.100	1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0165	0.0366	10198-40-0	PCI/G	U	0.0796		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00721	0.0411	10198-40-0	PCI/G	U	0.0674		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0959	0.111	15585-10-1	PCI/G	U	0.187		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0784	0.125	15585-10-1	PCI/G	U	0.219		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.03	0.116	15092-94-1	PCI/G		0.0935		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.990	0.119	15092-94-1	PCI/G		0.107		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.176	15067-28-4	PCI/G		0.329		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.08	0.187	15067-28-4	PCI/G		0.144		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.7	1.46	13966-00-2	PCI/G		0.644		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.0	1.42	13966-00-2	PCI/G		0.651		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.943	14331-85-2	PCI/G	UI	0.930		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.570	14331-85-2	PCI/G	UI	1.00		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.735	0.163	13982-63-3	PCI/G		0.130		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.918	0.156	13982-63-3	PCI/G		0.110		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.263	15262-20-1	PCI/G		0.301		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.841	0.206	15262-20-1	PCI/G		0.177		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.225	0.0914	14913-50-9	PCI/G		0.0657		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.362	0.0776	14913-50-9	PCI/G		0.0586		1.00	27.5
BGA2.3.2	SAMPLE	42374	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0994		PCI/G	UI	0.123		1.00	27.5
BGA2.3.2	SAMPLE	42389	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0595	0.0951		PCI/G	U	0.144		1.00	27.5
BGA2.4.1	SAMPLE	42374	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0778	0.269	14952-40-0	PCI/G	U	0.495		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00457	0.297	14952-40-0	PCI/G	U	0.539		1.00	36.4
BGA2.4.1	SAMPLE	42381	388121	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.5	3.50	12587-46-1	PCI/G		3.90	4.00	1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0537	0.121	14234-35-6	PCI/G	U	0.244		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0689	0.111	14234-35-6	PCI/G	U	0.220		1.00	36.4
BGA2.4.1	SAMPLE	42381	388121	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.6	3.45	12587-47-2	PCI/G		4.02	10.0	1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.702	14913-49-6	PCI/G	UI	1.53		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.619	0.674	14913-49-6	PCI/G	U	1.39		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.561	0.228	14733-03-0	PCI/G		0.223		1.00	36.4

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.4.1	SAMPLE	42389	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.851	0.159	14733-03-0	PCI/G		0.130		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.293	0.105	10045-97-3	PCI/G		0.102	0.100	1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.279	0.103	10045-97-3	PCI/G		0.0909	0.100	1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00712	0.0619	10198-40-0	PCI/G	U	0.126		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00501	0.0478	10198-40-0	PCI/G	U	0.0922		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0744	0.163	15585-10-1	PCI/G	U	0.298		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0601	0.161	15585-10-1	PCI/G	U	0.324		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.776	0.115	15092-94-1	PCI/G		0.116		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.835	0.111	15092-94-1	PCI/G		0.108		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.912	0.221	15067-28-4	PCI/G		0.372		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.835	0.186	15067-28-4	PCI/G		0.146		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.0	1.87	13966-00-2	PCI/G		1.51		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.8	1.58	13966-00-2	PCI/G		0.444		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.876	14331-85-2	PCI/G	UI	0.897		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.583	14331-85-2	PCI/G	UI	0.963		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.561	0.228	13982-63-3	PCI/G		0.223		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.851	0.159	13982-63-3	PCI/G		0.130		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.716	0.331	15262-20-1	PCI/G		0.290		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.664	0.346	15262-20-1	PCI/G		0.255		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.208	0.0856	14913-50-9	PCI/G		0.106		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.275	0.085	14913-50-9	PCI/G		0.0737		1.00	36.4
BGA2.4.1	SAMPLE	42374	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0798		PCI/G	UI	0.0849		1.00	36.4
BGA2.4.1	SAMPLE	42389	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.112		PCI/G	UI	0.0927		1.00	36.4
BGA2.4.1	MSD	42380	388121	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	103	13.7	12587-46-1	%		4.48	4.00	1.00	36.4
BGA2.4.1	MSD	42380	388121	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	113	16.1	12587-47-2	%		5.29	10.0	1.00	36.4
BGA2.4.1	MS	42381	388121	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	97.5	13.9	12587-46-1	%		7.51	4.00	1.00	36.4
BGA2.4.1	MS	42381	388121	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	112	15.8	12587-47-2	%		5.57	10.0	1.00	36.4
BGA2.4.1	DUP	42381	388121	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.5	3.38	12587-46-1	PCI/G		3.94	4.00	1.00	36.4
BGA2.4.1	DUP	42381	388121	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	18.0	2.87	12587-47-2	PCI/G		3.28	10.0	1.00	36.4
BGA2.4.2	SAMPLE	42374	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.000969	0.269	14952-40-0	PCI/G	U	0.511		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.167	0.247	14952-40-0	PCI/G	U	0.478		1.00	31.9
BGA2.4.2	SAMPLE	42381	388121	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.0	3.36	12587-46-1	PCI/G		3.88	4.00	1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.037	0.101	14234-35-6	PCI/G	U	0.198		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0192	0.091	14234-35-6	PCI/G	U	0.177		1.00	31.9
BGA2.4.2	SAMPLE	42381	388121	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.1	2.90	12587-47-2	PCI/G		2.83	10.0	1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.827	14913-49-6	PCI/G	UI	1.37		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.628	14913-49-6	PCI/G	UI	1.02		1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.671	0.168	14733-03-0	PCI/G		0.149		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.516	0.144	14733-03-0	PCI/G		0.123		1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.291	0.0772	10045-97-3	PCI/G		0.0898	0.100	1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.255	0.0656	10045-97-3	PCI/G		0.0605	0.100	1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00111	0.0367	10198-40-0	PCI/G	U	0.0757		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00105	0.0322	10198-40-0	PCI/G	U	0.0629		1.00	31.9

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.4.2	SAMPLE	42374	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0484	0.120	15585-10-1	PCI/G	U	0.227		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0762	0.105	15585-10-1	PCI/G	U	0.179		1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.725	0.154	15092-94-1	PCI/G		0.140		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.926	0.117	15092-94-1	PCI/G		0.0967		1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.905	0.189	15067-28-4	PCI/G		0.328		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.793	0.194	15067-28-4	PCI/G		0.129		1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.9	1.49	13966-00-2	PCI/G		0.826		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.1	1.42	13966-00-2	PCI/G		0.588		1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.274	0.601	14331-85-2	PCI/G	U	1.05		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.803	14331-85-2	PCI/G	UI	0.910		1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.671	0.168	13982-63-3	PCI/G		0.149		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.516	0.144	13982-63-3	PCI/G		0.123		1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.599	0.271	15262-20-1	PCI/G		0.326		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.723	0.246	15262-20-1	PCI/G		0.235		1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.236	0.0736	14913-50-9	PCI/G		0.0718		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.193	0.0628	14913-50-9	PCI/G		0.0574		1.00	31.9
BGA2.4.2	SAMPLE	42374	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.011	0.109		PCI/G	U	0.191		1.00	31.9
BGA2.4.2	SAMPLE	42389	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0836		PCI/G	UI	0.141		1.00	31.9
BGA2.4.2	DUP	42374	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0942	0.253	14952-40-0	PCI/G	U	0.443		1.00	31.9
BGA2.4.2	DUP	42389	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.236	0.230	14952-40-0	PCI/G	U	0.412		1.00	31.9
BGA2.4.2	DUP	42374	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0194	0.0892	14234-35-6	PCI/G	U	0.160		1.00	31.9
BGA2.4.2	DUP	42389	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.017	0.086	14234-35-6	PCI/G	U	0.160		1.00	31.9
BGA2.4.2	DUP	42374	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.742	14913-49-6	PCI/G	UI	1.10		1.00	31.9
BGA2.4.2	DUP	42389	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.160	0.702	14913-49-6	PCI/G	U	1.12		1.00	31.9
BGA2.4.2	DUP	42374	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.637	0.172	14733-03-0	PCI/G		0.115		1.00	31.9
BGA2.4.2	DUP	42389	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.643	0.162	14733-03-0	PCI/G		0.120		1.00	31.9
BGA2.4.2	DUP	42374	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.242	0.0599	10045-97-3	PCI/G		0.0402	0.100	1.00	31.9
BGA2.4.2	DUP	42389	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.253	0.0815	10045-97-3	PCI/G		0.0688	0.100	1.00	31.9
BGA2.4.2	DUP	42374	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0189	0.0333	10198-40-0	PCI/G	U	0.0726		1.00	31.9
BGA2.4.2	DUP	42389	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0133	0.0377	10198-40-0	PCI/G	U	0.0706		1.00	31.9
BGA2.4.2	DUP	42374	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0473	0.107	15585-10-1	PCI/G	U	0.203		1.00	31.9
BGA2.4.2	DUP	42389	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0462	0.094	15585-10-1	PCI/G	U	0.167		1.00	31.9
BGA2.4.2	DUP	42374	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.814	0.110	15092-94-1	PCI/G		0.0934		1.00	31.9
BGA2.4.2	DUP	42389	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.921	0.138	15092-94-1	PCI/G		0.105		1.00	31.9
BGA2.4.2	DUP	42374	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.742	0.150	15067-28-4	PCI/G		0.129		1.00	31.9
BGA2.4.2	DUP	42389	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.855	0.166	15067-28-4	PCI/G		0.143		1.00	31.9
BGA2.4.2	DUP	42374	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.3	1.41	13966-00-2	PCI/G		0.658		1.00	31.9
BGA2.4.2	DUP	42389	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.0	1.24	13966-00-2	PCI/G		0.580		1.00	31.9
BGA2.4.2	DUP	42374	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.878	14331-85-2	PCI/G	UI	0.787		1.00	31.9
BGA2.4.2	DUP	42389	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.667	14331-85-2	PCI/G	UI	0.800		1.00	31.9
BGA2.4.2	DUP	42374	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.637	0.172	13982-63-3	PCI/G		0.115		1.00	31.9
BGA2.4.2	DUP	42389	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.643	0.162	13982-63-3	PCI/G		0.120		1.00	31.9
BGA2.4.2	DUP	42374	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.832	0.246	15262-20-1	PCI/G		0.250		1.00	31.9

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.4.2	DUP	42389	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.677	0.217	15262-20-1	PCI/G		0.220		1.00	31.9
BGA2.4.2	DUP	42374	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.243	0.070	14913-50-9	PCI/G		0.0528		1.00	31.9
BGA2.4.2	DUP	42389	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.229	0.0758	14913-50-9	PCI/G		0.0609		1.00	31.9
BGA2.4.2	DUP	42374	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0791		PCI/G	UI	0.106		1.00	31.9
BGA2.4.2	DUP	42389	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.136		PCI/G	UI	0.140		1.00	31.9
BGA2.5.1	SAMPLE	42374	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00301	0.316	14952-40-0	PCI/G	U	0.590		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.150	0.286	14952-40-0	PCI/G	U	0.555		1.00	44.7
BGA2.5.1	SAMPLE	42381	388121	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	8.75	3.18	12587-46-1	PCI/G		3.99	4.00	1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00046	0.124	14234-35-6	PCI/G	U	0.230		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.171	14234-35-6	PCI/G	UI	0.236		1.00	44.7
BGA2.5.1	SAMPLE	42381	388121	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.9	2.90	12587-47-2	PCI/G		2.84	10.0	1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.882	14913-49-6	PCI/G	UI	1.75		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.796	14913-49-6	PCI/G	UI	1.56		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.726	0.178	14733-03-0	PCI/G		0.166		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.674	0.176	14733-03-0	PCI/G		0.155		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.372	0.122	10045-97-3	PCI/G		0.0885	0.100	1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.427	0.0877	10045-97-3	PCI/G		0.0836	0.100	1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0499	0.0474	10198-40-0	PCI/G	U	0.073		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0092	0.0425	10198-40-0	PCI/G	U	0.0874		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.169	0.167	15585-10-1	PCI/G	U	0.267		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0872	0.118	15585-10-1	PCI/G	U	0.262		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.875	0.180	15092-94-1	PCI/G		0.196		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.980	0.125	15092-94-1	PCI/G		0.113		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.01	0.213	15067-28-4	PCI/G		0.200		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.988	0.205	15067-28-4	PCI/G		0.151		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.8	1.76	13966-00-2	PCI/G		0.715		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.5	1.69	13966-00-2	PCI/G		0.728		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.557	0.674	14331-85-2	PCI/G	U	1.27		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.520	0.655	14331-85-2	PCI/G	U	1.15		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.726	0.178	13982-63-3	PCI/G		0.166		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.674	0.176	13982-63-3	PCI/G		0.155		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.941	0.384	15262-20-1	PCI/G		0.369		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.989	0.262	15262-20-1	PCI/G		0.299		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.312	0.0932	14913-50-9	PCI/G		0.0858		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.333	0.0805	14913-50-9	PCI/G		0.082		1.00	44.7
BGA2.5.1	SAMPLE	42374	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0536	0.183		PCI/G	U	0.252		1.00	44.7
BGA2.5.1	SAMPLE	42389	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.127		PCI/G	UI	0.142		1.00	44.7
BGA2.5.2	SAMPLE	42374	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.186	0.310	14952-40-0	PCI/G	U	0.542		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.493	0.387	14952-40-0	PCI/G	U	0.597		1.00	30.5
BGA2.5.2	SAMPLE	42381	388121	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.9	4.02	12587-46-1	PCI/G		3.92	4.00	1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0366	0.141	14234-35-6	PCI/G	U	0.230		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.109	0.155	14234-35-6	PCI/G	U	0.269		1.00	30.5
BGA2.5.2	SAMPLE	42381	388121	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.2	3.30	12587-47-2	PCI/G		2.97	10.0	1.00	30.5

Background															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
BGA2.5.2	SAMPLE	42374	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.811	14913-49-6	PCI/G	UI	1.67		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.848	1.16	14913-49-6	PCI/G	U	1.99		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.849	0.191	14733-03-0	PCI/G		0.179		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.876	0.282	14733-03-0	PCI/G		0.192		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.114	0.0534	10045-97-3	PCI/G		0.0927	0.100	1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.134	0.0807	10045-97-3	PCI/G		0.105	0.100	1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00308	0.0518	10198-40-0	PCI/G	U	0.102		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0205	0.0643	10198-40-0	PCI/G	U	0.140		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0672	0.166	15585-10-1	PCI/G	U	0.301		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0568	0.152	15585-10-1	PCI/G	U	0.347		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.142	15092-94-1	PCI/G		0.132		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.162	15092-94-1	PCI/G		0.155		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.940	0.242	15067-28-4	PCI/G		0.170		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.276	15067-28-4	PCI/G		0.224		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	17.6	1.80	13966-00-2	PCI/G		0.741		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	19.5	2.57	13966-00-2	PCI/G		1.10		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.968	14331-85-2	PCI/G	UI	1.04		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.16	14331-85-2	PCI/G	UI	1.23		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.849	0.191	13982-63-3	PCI/G		0.179		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.876	0.282	13982-63-3	PCI/G		0.192		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.937	0.362	15262-20-1	PCI/G		0.283		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.366	15262-20-1	PCI/G		0.454		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.354	0.0785	14913-50-9	PCI/G		0.0832		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.312	0.137	14913-50-9	PCI/G		0.106		1.00	30.5
BGA2.5.2	SAMPLE	42374	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.156		PCI/G	UI	0.215		1.00	30.5
BGA2.5.2	SAMPLE	42389	388121	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0749	0.204		PCI/G	U	0.222		1.00	30.5