

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.1.E.1	SAMPLE	12/3/2015	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.156	0.336	14952-40-0	PCI/G	U	0.603		1.00	20.5
3.1.1.E.1	SAMPLE	12/1/2015	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	18.4	2.52	12587-46-1	PCI/G		2.56	4.00	1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0105	0.129	14234-35-6	PCI/G	U	0.235		1.00	20.5
3.1.1.E.1	SAMPLE	12/1/2015	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	27.7	1.76	12587-47-2	PCI/G		1.72	10.0	1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.865	14913-49-6	PCI/G	UI	1.40		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.188	14733-03-0	PCI/G		0.147		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.144	10045-97-3	PCI/G		0.0838	0.100	1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-6.76E-05	0.0362	10198-40-0	PCI/G	U	0.0732		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0303	0.155	15585-10-1	PCI/G	U	0.304		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.40	0.146	15092-94-1	PCI/G		0.126		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.34	0.213	15067-28-4	PCI/G		0.401		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.7	1.64	13966-00-2	PCI/G		0.880		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.634	0.821	14331-85-2	PCI/G	U	1.00		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.821	14331-85-2	PCI/G	UI	1.00		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.188	13982-63-3	PCI/G		0.147		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.09	0.445	15262-20-1	PCI/G		0.353		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.394	0.0939	14913-50-9	PCI/G		0.0724		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.129	0.133		PCI/G	U	0.150		1.00	20.5
3.1.1.E.1	SAMPLE	12/3/2015	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.133		PCI/G	UI	0.150		1.00	20.5
3.1.1.E.1	DUP	12/3/2015	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.235	0.298	14952-40-0	PCI/G	U	0.586		1.00	20.5
3.1.1.E.1	DUP	12/3/2015	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.158	0.127	14234-35-6	PCI/G	U	0.255		1.00	20.5
3.1.1.E.1	DUP	12/3/2015	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.127	14234-35-6	PCI/G	UI	0.255		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.810	14913-49-6	PCI/G	UI	1.41		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.32	0.174	14733-03-0	PCI/G		0.161		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.34	0.124	10045-97-3	PCI/G		0.0758	0.100	1.00	20.5
3.1.1.E.1	DUP	12/3/2015	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.34	0.124	10045-97-3	PCI/G		0.0758	0.100	1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00585	0.0524	10198-40-0	PCI/G	U	0.0881		1.00	20.5
3.1.1.E.1	DUP	12/3/2015	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00585	0.0524	10198-40-0	PCI/G	U	0.0881		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0868	0.139	15585-10-1	PCI/G	U	0.235		1.00	20.5
3.1.1.E.1	DUP	12/3/2015	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0868	0.139	15585-10-1	PCI/G	U	0.235		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.26	0.146	15092-94-1	PCI/G		0.135		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.50	0.221	15067-28-4	PCI/G		0.146		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	16.4	1.68	13966-00-2	PCI/G		0.768		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.716	14331-85-2	PCI/G	UI	0.978		1.00	20.5
3.1.1.E.1	DUP	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.716	14331-85-2	PCI/G	UI	0.978		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.32	0.174	13982-63-3	PCI/G		0.161		1.00	20.5
3.1.1.E.1	DUP	12/3/2015	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.32	0.174	13982-63-3	PCI/G		0.161		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.79	0.335	15262-20-1	PCI/G		0.277		1.00	20.5
3.1.1.E.1	DUP	12/3/2015	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.79	0.335	15262-20-1	PCI/G		0.277		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.367	0.0904	14913-50-9	PCI/G		0.0713		1.00	19.4
3.1.1.E.1	DUP	12/3/2015	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.137		PCI/G	UI	0.155		1.00	20.5
3.1.1.E.1	DUP	12/3/2015	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.137		PCI/G	UI	0.155		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0383	0.392	14952-40-0	PCI/G	U	0.707		1.00	19.4

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Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.1.E.2	SAMPLE	12/1/2015	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.2	2.26	12587-46-1	PCI/G		2.59	4.00	1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00441	0.158	14234-35-6	PCI/G	U	0.291		1.00	19.4
3.1.1.E.2	SAMPLE	12/1/2015	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.7	1.68	12587-47-2	PCI/G		1.68	10.0	1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.869	14913-49-6	PCI/G	UI	1.67		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.241	14733-03-0	PCI/G		0.229		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.94	0.184	10045-97-3	PCI/G		0.0985	0.100	1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00321	0.0508	10198-40-0	PCI/G	U	0.0977		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0969	0.174	15585-10-1	PCI/G	U	0.339		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.44	0.173	15092-94-1	PCI/G		0.153		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.33	0.230	15067-28-4	PCI/G		0.436		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	17.0	1.85	13966-00-2	PCI/G		0.829		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.10	14331-85-2	PCI/G	UI	1.28		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.10	14331-85-2	PCI/G	U	1.28		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.241	13982-63-3	PCI/G		0.229		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.327	15262-20-1	PCI/G		0.288		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.327	0.0934	14913-50-9	PCI/G		0.108		1.00	19.4
3.1.1.E.2	SAMPLE	12/3/2015	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00367	0.221		PCI/G	U	0.260		1.00	19.4
3.1.1.E.3	SAMPLE	12/29/2015	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00701	0.251	14952-40-0	PCI/G	U	0.463		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.115	0.378	14952-40-0	PCI/G	U	0.645		1.00	20.6
3.1.1.E.3	SAMPLE	1/11/2016	388092	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.3	2.11	12587-46-1	PCI/G		1.97	4.00	1.00	19.4
3.1.1.E.3	SAMPLE	1/12/2016	388092	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0335	0.0532	14596-10-2	PCI/G		0.0736	1.00	1.00	19.4
3.1.1.E.3	SAMPLE	12/29/2015	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0128	0.102	14234-35-6	PCI/G	U	0.184		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0664	0.138	14234-35-6	PCI/G	U	0.266		1.00	20.6
3.1.1.E.3	SAMPLE	1/11/2016	388092	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.2	1.54	12587-47-2	PCI/G		1.57	10.0	1.00	19.4
3.1.1.E.3	SAMPLE	12/29/2015	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.32	0.844	14913-49-6	PCI/G		0.726		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.995	14913-49-6	PCI/G	UI	1.46		1.00	20.6
3.1.1.E.3	SAMPLE	12/29/2015	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.838	0.139	14733-03-0	PCI/G		0.124		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.754	0.200	14733-03-0	PCI/G		0.191		1.00	20.6
3.1.1.E.3	SAMPLE	1/16/2016	388092	Carbon-14	R	EPA EERF C-01 Modified	-0.823	0.792	14762-75-5	PCI/G	U	1.38	2.00	1.00	19.4
3.1.1.E.3	SAMPLE	12/29/2015	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.12	0.137	10045-97-3	PCI/G		0.0659	0.100	1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.18	0.173	10045-97-3	PCI/G		0.0805	0.100	1.00	20.6
3.1.1.E.3	SAMPLE	12/29/2015	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0125	0.0307	10198-40-0	PCI/G	U	0.061		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0565	0.0527	10198-40-0	PCI/G	U	0.0595		1.00	20.6
3.1.1.E.3	SAMPLE	1/12/2016	388092	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.0187	0.0525	OER-100-93	PCI/G		0.056	1.00	1.00	19.4
3.1.1.E.3	SAMPLE	1/12/2016	388092	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.0169	0.0465		PCI/G	U	0.0807	1.00	1.00	19.4
3.1.1.E.3	SAMPLE	1/12/2016	388092	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0304	0.0521		PCI/G		0.0456	1.00	1.00	19.4
3.1.1.E.3	SAMPLE	12/29/2015	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0934	0.139	15585-10-1	PCI/G	U	0.219		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.236	0.158	15585-10-1	PCI/G	U	0.235		1.00	20.6
3.1.1.E.3	SAMPLE	1/15/2016	388092	Iodine-129	R	DOE EML HASL-300,I-01 Modified	0.0709	0.139	15046-84-1	PCI/G	U	0.522	1.00	1.00	19.4
3.1.1.E.3	SAMPLE	12/29/2015	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.113	15092-94-1	PCI/G		0.104		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.189	15092-94-1	PCI/G		0.165		1.00	20.6
3.1.1.E.3	SAMPLE	12/29/2015	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.168	15067-28-4	PCI/G		0.126		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.09	0.265	15067-28-4	PCI/G		0.181		1.00	20.6

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Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.1.E.3	SAMPLE	1/12/2016	388092	Neptunium-237	R	ASTM C 1476-00 Modified	0.126	0.248	13994-20-2	PCI/G		0.343	1.00	1.00	19.4
3.1.1.E.3	SAMPLE	1/12/2016	388092	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.000662	0.049	13981-16-3	PCI/G	U	0.109	1.00	1.00	19.4
3.1.1.E.3	SAMPLE	1/12/2016	388092	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0112	0.0508	OER-100-70	PCI/G	U	0.128	1.00	1.00	19.4
3.1.1.E.3	SAMPLE	1/14/2016	388092	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-10.2	7.00	14119-32-5	PCI/G	U	12.6	15.0	1.00	19.4
3.1.1.E.3	SAMPLE	12/29/2015	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.1	1.19	13966-00-2	PCI/G		0.438		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.5	1.75	13966-00-2	PCI/G		0.834		1.00	20.6
3.1.1.E.3	SAMPLE	12/29/2015	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.806	14331-85-2	PCI/G	UI	0.802		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0605	0.657	14331-85-2	PCI/G	U	1.24		1.00	20.6
3.1.1.E.3	SAMPLE	12/29/2015	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.838	0.139	13982-63-3	PCI/G		0.124		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.754	0.200	13982-63-3	PCI/G		0.191		1.00	20.6
3.1.1.E.3	SAMPLE	12/29/2015	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.264	15262-20-1	PCI/G		0.215		1.00	19.4
3.1.1.E.3	SAMPLE	1/18/2016	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.346	15262-20-1	PCI/G		0.285		1.00	20.6
3.1.1.E.3	SAMPLE	1/7/2016	388092	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.219	0.842	10098-97-2	PCI/G	U	1.66	2.00	1.00	19.4
3.1.1.E.3	SAMPLE	1/19/2016	388092	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	-0.644	1.56	14133-76-7	PCI/G	U	2.77	5.00	1.00	20.6
3.1.1.E.3	SAMPLE	12/29/2015	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.429	0.0742	14913-50-9	PCI/G		0.0595		1.00	20.6
3.1.1.E.3	SAMPLE	1/18/2016	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.409	0.0963	14913-50-9	PCI/G		0.0824		1.00	20.6
3.1.1.E.3	SAMPLE	1/12/2016	388092	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.728	0.509	14274-82-9	PCI/G		0.507	1.00	1.00	20.6
3.1.1.E.3	SAMPLE	1/12/2016	388092	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	-0.0165	0.142	15594-54-4	PCI/G	U	0.329	1.00	1.00	20.6
3.1.1.E.3	SAMPLE	1/12/2016	388092	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	1.20	0.587	14269-63-7	PCI/G		0.379	1.00	1.00	20.6
3.1.1.E.3	SAMPLE	1/12/2016	388092	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.01	0.537	7440-29-1	PCI/G		0.327	1.00	1.00	20.6
3.1.1.E.3	SAMPLE	12/29/2015	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.155		PCI/G	U	0.147		1.00	20.6
3.1.1.E.3	SAMPLE	1/18/2016	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.150		PCI/G	UI	0.239		1.00	20.6
3.1.1.E.3	SAMPLE	1/10/2016	388092	Tritium	R	EPA 906.0 Modified	-1.11	2.39	10028-17-8	PCI/G	U	4.23	6.00	1.00	20.6
3.1.1.E.3	SAMPLE	1/12/2016	388092	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	-0.0254	0.0409	14158-29-3	PCI/G	U	0.130	1.00	1.00	20.6
3.1.1.E.3	SAMPLE	1/12/2016	388092	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.906	0.238	13968-55-3/139	PCI/G		0.132	1.00	1.00	20.6
3.1.1.E.3	SAMPLE	1/12/2016	388092	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0732	0.081	15117-96-1/139	PCI/G		0.107	1.00	1.00	20.6
3.1.1.E.3	SAMPLE	1/12/2016	388092	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.779	0.217	7440-61-1	PCI/G		0.0928	1.00	1.00	20.6
3.1.1.E.4	SAMPLE	12/3/2015	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.356	0.453	14952-40-0	PCI/G	U	0.675		1.00	20.6
3.1.1.E.4	SAMPLE	12/3/2015	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.453	14952-40-0	PCI/G	UI	0.675		1.00	19.7
3.1.1.E.4	SAMPLE	12/1/2015	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	47.8	3.52	12587-46-1	PCI/G		2.23	4.00	1.00	20.6
3.1.1.E.4	SAMPLE	12/1/2015	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	47.8	3.52	12587-46-1	PCI/G		2.23	4.00	1.00	19.7
3.1.1.E.4	SAMPLE	1/13/2016	389094	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.5	3.59	12587-46-1	PCI/G		3.92	4.00	1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0916	0.116	14234-35-6	PCI/G	U	0.236		1.00	20.6
3.1.1.E.4	SAMPLE	12/3/2015	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0916	0.116	14234-35-6	PCI/G	U	0.236		1.00	19.7
3.1.1.E.4	SAMPLE	12/1/2015	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	32.0	2.01	12587-47-2	PCI/G		2.14	10.0	1.00	20.6
3.1.1.E.4	SAMPLE	12/1/2015	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	32.0	2.01	12587-47-2	PCI/G		2.14	10.0	1.00	19.7
3.1.1.E.4	SAMPLE	1/13/2016	389094	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.6	2.76	12587-47-2	PCI/G		2.85	10.0	1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.808	14913-49-6	PCI/G	UI	1.59		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.11	0.194	14733-03-0	PCI/G		0.147		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.315	0.0979	10045-97-3	PCI/G		0.0869	0.100	1.00	20.6
3.1.1.E.4	SAMPLE	12/3/2015	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.315	0.0979	10045-97-3	PCI/G		0.0869	0.100	1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0439	0.0449	10198-40-0	PCI/G	U	0.103		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0449	10198-40-0	PCI/G	UI	0.103		1.00	19.7

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.1.E.4	SAMPLE	12/3/2015	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0144	0.166	15585-10-1	PCI/G	U	0.321		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.16	0.149	15092-94-1	PCI/G		0.134		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.219	15067-28-4	PCI/G		0.398		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.8	1.63	13966-00-2	PCI/G		0.979		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.526	0.985	14331-85-2	PCI/G	U	1.09		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.985	14331-85-2	PCI/G	UI	1.09		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.11	0.194	13982-63-3	PCI/G		0.147		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.22	0.370	15262-20-1	PCI/G		0.374		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.373	0.103	14913-50-9	PCI/G		0.0747		1.00	19.7
3.1.1.E.4	SAMPLE	12/3/2015	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.177		PCI/G	UI	0.213		1.00	19.7
3.1.1.E.4	MSD	1/13/2016	389094	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	107	13.8	12587-46-1	%		5.56	4.00	1.00	19.7
3.1.1.E.4	MSD	1/13/2016	389094	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	114	15.6	12587-47-2	%		4.38	10.0	1.00	19.7
3.1.1.E.4	MS	1/14/2016	389094	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	123	16.0	12587-46-1	%		5.09	4.00	1.00	19.7
3.1.1.E.4	MS	1/14/2016	389094	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	105	15.9	12587-47-2	%		3.18	10.0	1.00	19.7
3.1.1.E.4	DUP	1/13/2016	389094	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.6	3.39	12587-46-1	PCI/G		4.09	4.00	1.00	19.7
3.1.1.E.4	DUP	1/13/2016	389094	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.4	2.73	12587-47-2	PCI/G		3.14	10.0	1.00	19.7
3.1.1.E.5	SAMPLE	12/3/2015	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.285	0.412	14952-40-0	PCI/G	U	0.785		1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.285	0.412	14952-40-0	PCI/G	U	0.785		1.00	19.1
3.1.1.E.5	SAMPLE	12/1/2015	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.7	2.60	12587-46-1	PCI/G		2.98	4.00	1.00	19.7
3.1.1.E.5	SAMPLE	12/1/2015	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.7	2.60	12587-46-1	PCI/G		2.98	4.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/24/2015	385077	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0129	0.0442	14596-10-2	PCI/G	U	0.0819	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/24/2015	385077	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0129	0.0442	14596-10-2	PCI/G	U	0.0819	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.131	0.185	14234-35-6	PCI/G	U	0.276		1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.131	0.185	14234-35-6	PCI/G	U	0.276		1.00	19.1
3.1.1.E.5	SAMPLE	12/1/2015	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	28.1	1.76	12587-47-2	PCI/G		1.50	10.0	1.00	15.6
3.1.1.E.5	SAMPLE	12/1/2015	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	28.1	1.76	12587-47-2	PCI/G		1.50	10.0	1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.52	1.03	14913-49-6	PCI/G		1.30		1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.858	0.232	14733-03-0	PCI/G		0.207		1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Carbon-14	R	EPA EERF C-01 Modified	-0.754	0.860	14762-75-5	PCI/G	U	1.50	2.00	1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Carbon-14	R	EPA EERF C-01 Modified	-0.754	0.860	14762-75-5	PCI/G	U	1.50	2.00	1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.25	0.142	10045-97-3	PCI/G		0.111	0.100	1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.25	0.142	10045-97-3	PCI/G		0.111	0.100	1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0377	0.0576	10198-40-0	PCI/G	U	0.125		1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0377	0.0576	10198-40-0	PCI/G	U	0.125		1.00	19.1
3.1.1.E.5	SAMPLE	11/24/2015	385077	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	-0.0034	0.0293	OER-100-93	PCI/G	U	0.068	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/24/2015	385077	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	-0.0034	0.0293	OER-100-93	PCI/G	U	0.068	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	11/24/2015	385077	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	-0.00246	0.0369		PCI/G	U	0.0862	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/24/2015	385077	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	-0.00246	0.0369		PCI/G	U	0.0862	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	11/24/2015	385077	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0392	0.0565		PCI/G	U	0.0682	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/24/2015	385077	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0392	0.0565		PCI/G		0.0682	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.190	0.174	15585-10-1	PCI/G	U	0.382		1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.174	15585-10-1	PCI/G	UI	0.382		1.00	19.1
3.1.1.E.5	SAMPLE	12/2/2015	385077	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.00286	0.364	15046-84-1	PCI/G	U	0.643	1.00	1.00	15.6

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.1.E.5	SAMPLE	12/2/2015	385077	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.00286	0.364	15046-84-1	PCI/G	U	0.643	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.36	0.187	15092-94-1	PCI/G		0.161		1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.274	15067-28-4	PCI/G		0.222		1.00	19.1
3.1.1.E.5	SAMPLE	11/23/2015	385077	Neptunium-237	R	ASTM C 1476-00 Modified	-0.108	0.245	13994-20-2	PCI/G	U	0.668	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/23/2015	385077	Neptunium-237	R	ASTM C 1476-00 Modified	-0.108	0.245	13994-20-2	PCI/G	U	0.668	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	11/23/2015	385077	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0167	0.0386	13981-16-3	PCI/G	U	0.114	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/23/2015	385077	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0167	0.0386	13981-16-3	PCI/G	U	0.114	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	11/23/2015	385077	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	-0.00278	0.0643	OER-100-70	PCI/G	U	0.145	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/23/2015	385077	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	-0.00278	0.0643	OER-100-70	PCI/G	U	0.145	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	11/25/2015	385077	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-2.57	5.58	14119-32-5	PCI/G	U	9.76	15.0	1.00	15.6
3.1.1.E.5	SAMPLE	11/25/2015	385077	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-2.57	5.58	14119-32-5	PCI/G	U	9.76	15.0	1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.9	2.04	13966-00-2	PCI/G		0.894		1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.635	0.833	14331-85-2	PCI/G	U	1.49		1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.635	0.833	14331-85-2	PCI/G	U	1.49		1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.858	0.232	13982-63-3	PCI/G		0.207		1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.858	0.232	13982-63-3	PCI/G		0.207		1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.351	15262-20-1	PCI/G		0.390		1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.351	15262-20-1	PCI/G		0.390		1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.0135	0.998	10098-97-2	PCI/G	U	1.91	2.00	1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.0135	0.998	10098-97-2	PCI/G	U	1.91	2.00	1.00	19.1
3.1.1.E.5	SAMPLE	11/29/2015	385077	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	1.26	1.56	14133-76-7	PCI/G	U	2.62	5.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/29/2015	385077	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	1.26	1.56	14133-76-7	PCI/G	U	2.62	5.00	1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.477	0.110	14913-50-9	PCI/G		0.104		1.00	19.1
3.1.1.E.5	SAMPLE	11/24/2015	385077	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.60	0.545	14274-82-9	PCI/G		0.350	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/24/2015	385077	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.60	0.545	14274-82-9	PCI/G		0.350	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	11/24/2015	385077	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	-0.0396	0.134	15594-54-4	PCI/G	U	0.348	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/24/2015	385077	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	-0.0396	0.134	15594-54-4	PCI/G	U	0.348	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	11/24/2015	385077	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	1.03	0.432	14269-63-7	PCI/G		0.283	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/24/2015	385077	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	1.03	0.432	14269-63-7	PCI/G		0.283	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	11/24/2015	385077	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.28	0.468	7440-29-1	PCI/G		0.128	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/24/2015	385077	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.28	0.468	7440-29-1	PCI/G		0.128	1.00	1.00	19.1
3.1.1.E.5	SAMPLE	12/3/2015	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0421	0.158		PCI/G	U	0.242		1.00	15.6
3.1.1.E.5	SAMPLE	12/3/2015	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0421	0.158		PCI/G	U	0.242		1.00	19.1
3.1.1.E.5	SAMPLE	12/2/2015	385077	Tritium	R	EPA 906.0 Modified	0.912	1.87	10028-17-8	PCI/G	U	3.34	6.00	1.00	15.6
3.1.1.E.5	SAMPLE	12/2/2015	385077	Tritium	R	EPA 906.0 Modified	0.912	1.87	10028-17-8	PCI/G	U	3.34	6.00	1.00	24.4
3.1.1.E.5	SAMPLE	11/25/2015	385077	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	-0.02	0.0486	14158-29-3	PCI/G	U	0.106	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/25/2015	385077	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	-0.02	0.0486	14158-29-3	PCI/G	U	0.106	1.00	1.00	24.4
3.1.1.E.5	SAMPLE	11/25/2015	385077	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.995	0.246	13968-55-3/139	PCI/G		0.0854	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/25/2015	385077	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.995	0.246	13968-55-3/139	PCI/G		0.0854	1.00	1.00	24.4
3.1.1.E.5	SAMPLE	11/25/2015	385077	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0427	0.0615	15117-96-1/139	PCI/G	U	0.0741	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/25/2015	385077	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0427	0.0615	15117-96-1/139	PCI/G	U	0.0741	1.00	1.00	24.4
3.1.1.E.5	SAMPLE	11/25/2015	385077	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.849	0.231	7440-61-1	PCI/G		0.125	1.00	1.00	15.6
3.1.1.E.5	SAMPLE	11/25/2015	385077	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.849	0.231	7440-61-1	PCI/G		0.125	1.00	1.00	24.4

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.1.E.6	SAMPLE	12/3/2015	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.219	0.330	14952-40-0	PCI/G	U	0.576		1.00	24.4
3.1.1.E.6	SAMPLE	12/3/2015	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.219	0.330	14952-40-0	PCI/G	U	0.576		1.00	22.7
3.1.1.E.6	SAMPLE	12/1/2015	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.6	2.63	12587-46-1	PCI/G		2.10	4.00	1.00	24.4
3.1.1.E.6	SAMPLE	12/1/2015	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.6	2.63	12587-46-1	PCI/G		2.10	4.00	1.00	22.7
3.1.1.E.6	SAMPLE	11/24/2015	385077	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0182	0.0418	14596-10-2	PCI/G	U	0.0663	1.00	1.00	24.4
3.1.1.E.6	SAMPLE	11/24/2015	385077	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0182	0.0418	14596-10-2	PCI/G		0.0663	1.00	1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0237	0.135	14234-35-6	PCI/G	U	0.255		1.00	24.4
3.1.1.E.6	SAMPLE	12/3/2015	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0237	0.135	14234-35-6	PCI/G	U	0.255		1.00	22.7
3.1.1.E.6	SAMPLE	12/1/2015	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	29.4	1.83	12587-47-2	PCI/G		1.66	10.0	1.00	24.4
3.1.1.E.6	SAMPLE	12/1/2015	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	29.4	1.83	12587-47-2	PCI/G		1.66	10.0	1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.909	14913-49-6	PCI/G	UI	1.49		1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.840	0.203	14733-03-0	PCI/G		0.170		1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Carbon-14	R	EPA EERF C-01 Modified	-0.975	0.836	14762-75-5	PCI/G	U	1.47	2.00	1.00	24.4
3.1.1.E.6	SAMPLE	12/3/2015	385077	Carbon-14	R	EPA EERF C-01 Modified	-0.975	0.836	14762-75-5	PCI/G	U	1.47	2.00	1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.86	0.164	10045-97-3	PCI/G		0.0911	0.100	1.00	24.4
3.1.1.E.6	SAMPLE	12/3/2015	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.86	0.164	10045-97-3	PCI/G		0.0911	0.100	1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.026	0.0457	10198-40-0	PCI/G	U	0.0821		1.00	24.4
3.1.1.E.6	SAMPLE	12/3/2015	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.026	0.0457	10198-40-0	PCI/G	U	0.0821		1.00	22.7
3.1.1.E.6	SAMPLE	11/24/2015	385077	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0276	OER-100-93	PCI/G	U	0.041	1.00	1.00	24.4
3.1.1.E.6	SAMPLE	11/24/2015	385077	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0276	OER-100-93	PCI/G		0.041	1.00	1.00	22.7
3.1.1.E.6	SAMPLE	11/24/2015	385077	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	-0.00521	0.036		PCI/G	U	0.0876	1.00	1.00	24.4
3.1.1.E.6	SAMPLE	11/24/2015	385077	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	-0.00521	0.036		PCI/G	U	0.0876	1.00	1.00	22.7
3.1.1.E.6	SAMPLE	11/24/2015	385077	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.137	0.0893		PCI/G	X	0.0411	1.00	1.00	24.4
3.1.1.E.6	SAMPLE	11/24/2015	385077	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.137	0.0893		PCI/G	X	0.0411	1.00	1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0489	0.132	15585-10-1	PCI/G	U	0.278		1.00	24.4
3.1.1.E.6	SAMPLE	12/3/2015	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0489	0.132	15585-10-1	PCI/G	U	0.278		1.00	22.7
3.1.1.E.6	SAMPLE	12/2/2015	385077	Iodine-129	R	DOE EML HASL-300,I-01 Modified	0.162	0.310	15046-84-1	PCI/G	U	0.601	1.00	1.00	24.4
3.1.1.E.6	SAMPLE	12/2/2015	385077	Iodine-129	R	DOE EML HASL-300,I-01 Modified	0.162	0.310	15046-84-1	PCI/G	U	0.601	1.00	1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.34	0.152	15092-94-1	PCI/G		0.125		1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.229	15067-28-4	PCI/G		0.395		1.00	22.7
3.1.1.E.6	SAMPLE	11/23/2015	385077	Neptunium-237	R	ASTM C 1476-00 Modified	0.0729	0.249	13994-20-2	PCI/G	U	0.462	1.00	1.00	24.4
3.1.1.E.6	SAMPLE	11/23/2015	385077	Neptunium-237	R	ASTM C 1476-00 Modified	0.0729	0.249	13994-20-2	PCI/G	U	0.462	1.00	1.00	22.7
3.1.1.E.6	SAMPLE	11/23/2015	385077	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0278	0.0639	13981-16-3	PCI/G	U	0.101	1.00	1.00	24.4
3.1.1.E.6	SAMPLE	11/23/2015	385077	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0278	0.0639	13981-16-3	PCI/G		0.101	1.00	1.00	22.7
3.1.1.E.6	SAMPLE	11/23/2015	385077	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0117	0.0688	OER-100-70	PCI/G	U	0.164	1.00	1.00	24.4
3.1.1.E.6	SAMPLE	11/23/2015	385077	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0117	0.0688	OER-100-70	PCI/G	U	0.164	1.00	1.00	22.7
3.1.1.E.6	SAMPLE	11/25/2015	385077	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-2.06	6.25	14119-32-5	PCI/G	U	10.9	15.0	1.00	24.4
3.1.1.E.6	SAMPLE	11/25/2015	385077	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-2.06	6.25	14119-32-5	PCI/G	U	10.9	15.0	1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	17.1	1.88	13966-00-2	PCI/G		0.922		1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.01	14331-85-2	PCI/G	UI	1.08		1.00	24.4
3.1.1.E.6	SAMPLE	12/3/2015	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.01	14331-85-2	PCI/G	UI	1.08		1.00	22.7
3.1.1.E.6	SAMPLE	12/3/2015	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.840	0.203	13982-63-3	PCI/G		0.170		1.00	24.4
3.1.1.E.6	SAMPLE	12/3/2015	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.840	0.203	13982-63-3	PCI/G		0.170		1.00	22.8

Area 3																
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist	
3.1.1.E.6	SAMPLE	12/3/2015	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.438	15262-20-1	PCI/G		0.285		1.00	24.4	
3.1.1.E.6	SAMPLE	12/3/2015	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.438	15262-20-1	PCI/G		0.285		1.00	22.8	
3.1.1.E.6	SAMPLE	12/2/2015	385077	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.576	0.594	10098-97-2	PCI/G	U	1.37	2.00	1.00	24.4	
3.1.1.E.6	SAMPLE	12/2/2015	385077	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.576	0.594	10098-97-2	PCI/G	U	1.37	2.00	1.00	22.8	
3.1.1.E.6	SAMPLE	11/29/2015	385077	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	1.11	1.76	14133-76-7	PCI/G	U	2.99	5.00	1.00	24.4	
3.1.1.E.6	SAMPLE	11/29/2015	385077	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	1.11	1.76	14133-76-7	PCI/G	U	2.99	5.00	1.00	22.8	
3.1.1.E.6	SAMPLE	12/3/2015	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.430	0.0867	14913-50-9	PCI/G		0.0704		1.00	22.8	
3.1.1.E.6	SAMPLE	11/24/2015	385077	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.773	0.805	14274-82-9	PCI/G	U	1.11	1.00	1.00	24.4	
3.1.1.E.6	SAMPLE	11/24/2015	385077	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.773	0.805	14274-82-9	PCI/G		1.11	1.00	1.00	22.8	
3.1.1.E.6	SAMPLE	11/24/2015	385077	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	-0.062	0.274	15594-54-4	PCI/G	U	0.716	1.00	1.00	24.4	
3.1.1.E.6	SAMPLE	11/24/2015	385077	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	-0.062	0.274	15594-54-4	PCI/G	U	0.716	1.00	1.00	22.8	
3.1.1.E.6	SAMPLE	11/24/2015	385077	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	1.81	1.02	14269-63-7	PCI/G		0.850	1.00	1.00	24.4	
3.1.1.E.6	SAMPLE	11/24/2015	385077	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	1.81	1.02	14269-63-7	PCI/G		0.850	1.00	1.00	22.8	
3.1.1.E.6	SAMPLE	11/24/2015	385077	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.998	0.761	7440-29-1	PCI/G		0.617	1.00	1.00	22.7	
3.1.1.E.6	SAMPLE	11/24/2015	385077	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.998	0.761	7440-29-1	PCI/G		0.617	1.00	1.00	22.8	
3.1.1.E.6	SAMPLE	12/3/2015	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.151	0.127		PCI/G	U	0.176		1.00	22.7	
3.1.1.E.6	SAMPLE	12/3/2015	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.127		PCI/G	UI	0.176		1.00	22.8	
3.1.1.E.6	SAMPLE	12/2/2015	385077	Tritium	R	EPA 906.0 Modified	0.979	1.86	10028-17-8	PCI/G	U	3.29	6.00	1.00	22.7	
3.1.1.E.6	SAMPLE	42340	385077	Tritium	R	EPA 906.0 Modified	0.979	1.86	10028-17-8	PCI/G	U	3.29	6.00	1.00	22.8	
3.1.1.E.6	SAMPLE	42332	385077	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0288	0.0774	14158-29-3	PCI/G	U	0.140	1.00	1.00	22.7	
3.1.1.E.6	SAMPLE	42332	385077	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0288	0.0774	14158-29-3	PCI/G	U	0.140	1.00	1.00	22.8	
3.1.1.E.6	SAMPLE	42332	385077	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	1.16	0.300	13968-55-3/139	PCI/G		0.119	1.00	1.00	22.7	
3.1.1.E.6	SAMPLE	42332	385077	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	1.16	0.300	13968-55-3/139	PCI/G		0.119	1.00	1.00	22.8	
3.1.1.E.6	SAMPLE	42332	385077	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0345	0.0679	15117-96-1/139	PCI/G	U	0.0941	1.00	1.00	22.7	
3.1.1.E.6	SAMPLE	42332	385077	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0345	0.0679	15117-96-1/139	PCI/G		0.0941	1.00	1.00	22.8	
3.1.1.E.6	SAMPLE	42332	385077	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.958	0.271	7440-61-1	PCI/G		0.0587	1.00	1.00	22.7	
3.1.1.E.6	SAMPLE	42332	385077	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.958	0.271	7440-61-1	PCI/G		0.0587	1.00	1.00	22.8	
3.1.1.E.6	DUP	42340	385077	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	0.0829	0.798	10098-97-2	PCI/G	U	1.52	2.00	1.00	24.4	
3.1.1.E.6	DUP	42340	385077	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	0.0829	0.798	10098-97-2	PCI/G	U	1.52	2.00	1.00	22.7	
3.1.1.E.6	DUP	42340	385077	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	0.0829	0.798	10098-97-2	PCI/G	U	1.52	2.00	1.00	22.8	
3.1.1.E.7	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.193	0.347	14952-40-0	PCI/G	U	0.648		1.00	22.8	
3.1.1.E.7	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.193	0.347	14952-40-0	PCI/G	U	0.648		1.00	23.1	
3.1.1.E.7	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.4	2.05	12587-46-1	PCI/G		2.41	4.00	1.00	22.8	
3.1.1.E.7	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.4	2.05	12587-46-1	PCI/G		2.41	4.00	1.00	23.1	
3.1.1.E.7	SAMPLE	42332	385077	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0101	0.0454	14596-10-2	PCI/G	U	0.0888	1.00	1.00	22.8	
3.1.1.E.7	SAMPLE	42332	385077	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0101	0.0454	14596-10-2	PCI/G	U	0.0888	1.00	1.00	23.1	
3.1.1.E.7	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0443	0.139	14234-35-6	PCI/G	U	0.263		1.00	22.8	
3.1.1.E.7	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0443	0.139	14234-35-6	PCI/G	U	0.263		1.00	23.1	
3.1.1.E.7	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.0	2.07	12587-47-2	PCI/G		2.59	10.0	1.00	22.8	
3.1.1.E.7	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.0	2.07	12587-47-2	PCI/G		2.59	10.0	1.00	23.1	
3.1.1.E.7	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.00	0.947	14913-49-6	PCI/G		0.941		1.00	23.1	
3.1.1.E.7	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.912	0.169	14733-03-0	PCI/G		0.177		1.00	23.1	
3.1.1.E.7	SAMPLE	42342	385077	Carbon-14	R	EPA EERF C-01 Modified	0.399	0.897	14762-75-5	PCI/G	U	1.52	2.00	1.00	22.8	

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.1.E.7	SAMPLE	42342	385077	Carbon-14	R	EPA EERF C-01 Modified	0.399	0.897	14762-75-5	PCI/G	U	1.52	2.00	1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.58	0.202	10045-97-3	PCI/G		0.089	0.100	1.00	22.8
3.1.1.E.7	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.58	0.202	10045-97-3	PCI/G		0.089	0.100	1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0335	0.0582	10198-40-0	PCI/G	U	0.109		1.00	22.8
3.1.1.E.7	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0335	0.0582	10198-40-0	PCI/G	U	0.109		1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0291	OER-100-93	PCI/G	U	0.0434	1.00	1.00	22.8
3.1.1.E.7	SAMPLE	42332	385077	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0291	OER-100-93	PCI/G		0.0434	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.0125	0.0352		PCI/G	U	0.0376	1.00	1.00	22.8
3.1.1.E.7	SAMPLE	42332	385077	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.0125	0.0352		PCI/G		0.0376	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.101	0.0806		PCI/G	X	0.0435	1.00	1.00	22.8
3.1.1.E.7	SAMPLE	42332	385077	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.101	0.0806		PCI/G	X	0.0435	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.128	0.189	15585-10-1	PCI/G	U	0.326		1.00	22.8
3.1.1.E.7	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.128	0.189	15585-10-1	PCI/G	U	0.326		1.00	23.1
3.1.1.E.7	SAMPLE	42340	385077	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.103	0.254	15046-84-1	PCI/G	U	0.447	1.00	1.00	22.8
3.1.1.E.7	SAMPLE	42340	385077	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.103	0.254	15046-84-1	PCI/G	U	0.447	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.28	0.141	15092-94-1	PCI/G		0.123		1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.26	0.178	15067-28-4	PCI/G		0.192		1.00	23.1
3.1.1.E.7	SAMPLE	42331	385077	Neptunium-237	R	ASTM C 1476-00 Modified	0.00278	0.206	13994-20-2	PCI/G	U	0.458	1.00	1.00	22.8
3.1.1.E.7	SAMPLE	42331	385077	Neptunium-237	R	ASTM C 1476-00 Modified	0.00278	0.206	13994-20-2	PCI/G	U	0.458	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42331	385077	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0414	0.0732	13981-16-3	PCI/G	U	0.111	1.00	1.00	22.8
3.1.1.E.7	SAMPLE	42331	385077	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0414	0.0732	13981-16-3	PCI/G		0.111	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42331	385077	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0421	0.0719	OER-100-70	PCI/G	U	0.192	1.00	1.00	22.8
3.1.1.E.7	SAMPLE	42331	385077	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0421	0.0719	OER-100-70	PCI/G	U	0.192	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42333	385077	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-4.56	5.95	14119-32-5	PCI/G	U	10.5	15.0	1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.5	1.65	13966-00-2	PCI/G		0.845		1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.870	0.724	14331-85-2	PCI/G	U	0.967		1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.724	14331-85-2	PCI/G	UI	0.967		1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.912	0.169	13982-63-3	PCI/G		0.177		1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.27	0.432	15262-20-1	PCI/G		0.281		1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.368	0.522	10098-97-2	PCI/G	U	1.12	2.00	1.00	23.1
3.1.1.E.7	SAMPLE	42337	385077	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	2.21	1.64	14133-76-7	PCI/G	U	2.70	5.00	1.00	23.1
3.1.1.E.7	SAMPLE	42337	385077	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	2.21	1.64	14133-76-7	PCI/G		2.70	5.00	1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.347	0.111	14913-50-9	PCI/G		0.0915		1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.38	0.542	14274-82-9	PCI/G		0.376	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.0995	0.198	15594-54-4	PCI/G	U	0.321	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.0995	0.198	15594-54-4	PCI/G		0.321	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.841	0.418	14269-63-7	PCI/G		0.297	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.15	0.477	7440-29-1	PCI/G		0.233	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.093		PCI/G	UI	0.122		1.00	23.1
3.1.1.E.7	SAMPLE	42340	385077	Tritium	R	EPA 906.0 Modified	1.56	1.90	10028-17-8	PCI/G	U	3.21	6.00	1.00	23.1
3.1.1.E.7	SAMPLE	42340	385077	Tritium	R	EPA 906.0 Modified	1.56	1.90	10028-17-8	PCI/G		3.21	6.00	1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0336	0.105	14158-29-3	PCI/G	U	0.196	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.747	0.251	13968-55-3/1396	PCI/G		0.117	1.00	1.00	23.1

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.1.E.7	SAMPLE	42332	385077	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.159	0.125	15117-96-1/139	PCI/G		0.117	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.159	0.125	15117-96-1/139	PCI/G		0.117	1.00	1.00	23.3
3.1.1.E.7	SAMPLE	42332	385077	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.815	0.261	7440-61-1	PCI/G		0.101	1.00	1.00	23.1
3.1.1.E.7	SAMPLE	42332	385077	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.815	0.261	7440-61-1	PCI/G		0.101	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.394	0.272	14952-40-0	PCI/G	U	0.567		1.00	23.3
3.1.1.E.8	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.272	14952-40-0	PCI/G	UI	0.567		1.00	21.6
3.1.1.E.8	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.7	1.91	12587-46-1	PCI/G		2.15	4.00	1.00	23.3
3.1.1.E.8	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.7	1.91	12587-46-1	PCI/G		2.15	4.00	1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.00914	0.059	14596-10-2	PCI/G	U	0.121	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42332	385077	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.00914	0.059	14596-10-2	PCI/G	U	0.121	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00737	0.102	14234-35-6	PCI/G	U	0.193		1.00	23.3
3.1.1.E.8	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00737	0.102	14234-35-6	PCI/G	U	0.193		1.00	21.6
3.1.1.E.8	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	19.0	1.50	12587-47-2	PCI/G		1.50	10.0	1.00	23.3
3.1.1.E.8	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	19.0	1.50	12587-47-2	PCI/G		1.50	10.0	1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.533	0.711	14913-49-6	PCI/G	U	1.28		1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.952	0.176	14733-03-0	PCI/G		0.142		1.00	21.6
3.1.1.E.8	SAMPLE	42342	385077	Carbon-14	R	EPA EERF C-01 Modified	-0.847	0.846	14762-75-5	PCI/G	U	1.48	2.00	1.00	23.3
3.1.1.E.8	SAMPLE	42342	385077	Carbon-14	R	EPA EERF C-01 Modified	-0.847	0.846	14762-75-5	PCI/G	U	1.48	2.00	1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.315	0.083	10045-97-3	PCI/G		0.081	0.100	1.00	23.3
3.1.1.E.8	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.315	0.083	10045-97-3	PCI/G		0.081	0.100	1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0063	0.0346	10198-40-0	PCI/G	U	0.0738		1.00	23.3
3.1.1.E.8	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0063	0.0346	10198-40-0	PCI/G	U	0.0738		1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0375	OER-100-93	PCI/G	U	0.0559	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42332	385077	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0375	OER-100-93	PCI/G	U	0.0559	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	-0.0232	0.0375		PCI/G	U	0.119	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42332	385077	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	-0.0232	0.0375		PCI/G	U	0.119	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0702	0.0828		PCI/G	U	0.0895	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42332	385077	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0702	0.0828		PCI/G	U	0.0895	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.119	0.132	15585-10-1	PCI/G	U	0.292		1.00	23.3
3.1.1.E.8	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.119	0.132	15585-10-1	PCI/G	U	0.292		1.00	21.6
3.1.1.E.8	SAMPLE	42340	385077	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.243	0.361	15046-84-1	PCI/G	U	0.607	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42340	385077	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.243	0.361	15046-84-1	PCI/G	U	0.607	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.158	15092-94-1	PCI/G		0.174		1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.41	0.232	15067-28-4	PCI/G		0.389		1.00	21.6
3.1.1.E.8	SAMPLE	42331	385077	Neptunium-237	R	ASTM C 1476-00 Modified	0.131	0.257	13994-20-2	PCI/G	U	0.356	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42331	385077	Neptunium-237	R	ASTM C 1476-00 Modified	0.131	0.257	13994-20-2	PCI/G	U	0.356	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42331	385077	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.010	0.0556	13981-16-3	PCI/G	U	0.107	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42331	385077	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.010	0.0556	13981-16-3	PCI/G	U	0.107	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42331	385077	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.00154	0.0707	OER-100-70	PCI/G	U	0.155	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42331	385077	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.00154	0.0707	OER-100-70	PCI/G	U	0.155	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42333	385077	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-4.42	6.41	14119-32-5	PCI/G	U	11.3	15.0	1.00	23.3
3.1.1.E.8	SAMPLE	42333	385077	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-4.42	6.41	14119-32-5	PCI/G	U	11.3	15.0	1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.6	1.60	13966-00-2	PCI/G		0.656		1.00	21.6

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.1.E.8	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.788	14331-85-2	PCI/G	UI	1.00		1.00	23.3
3.1.1.E.8	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.788	14331-85-2	PCI/G	UI	1.00		1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.952	0.176	13982-63-3	PCI/G		0.142		1.00	23.3
3.1.1.E.8	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.952	0.176	13982-63-3	PCI/G		0.142		1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.991	0.327	15262-20-1	PCI/G		0.293		1.00	23.3
3.1.1.E.8	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.991	0.327	15262-20-1	PCI/G		0.293		1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	0.259	0.510	10098-97-2	PCI/G	U	0.913	2.00	1.00	23.3
3.1.1.E.8	SAMPLE	42341	385077	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	0.259	0.510	10098-97-2	PCI/G	U	0.913	2.00	1.00	21.6
3.1.1.E.8	SAMPLE	42337	385077	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	0.991	1.62	14133-76-7	PCI/G	U	2.75	5.00	1.00	23.3
3.1.1.E.8	SAMPLE	42337	385077	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	0.991	1.62	14133-76-7	PCI/G	U	2.75	5.00	1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.374	0.0813	14913-50-9	PCI/G		0.0703		1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.973	0.445	14274-82-9	PCI/G		0.381	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42332	385077	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.973	0.445	14274-82-9	PCI/G		0.381	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.0786	0.178	15594-54-4	PCI/G	U	0.306	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42332	385077	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.0786	0.178	15594-54-4	PCI/G	U	0.306	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.960	0.421	14269-63-7	PCI/G		0.287	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42332	385077	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.960	0.421	14269-63-7	PCI/G		0.287	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.09	0.444	7440-29-1	PCI/G		0.286	1.00	1.00	23.3
3.1.1.E.8	SAMPLE	42332	385077	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.09	0.444	7440-29-1	PCI/G		0.286	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.143		PCI/G	UI	0.167		1.00	21.6
3.1.1.E.8	SAMPLE	42340	385077	Tritium	R	EPA 906.0 Modified	1.54	1.91	10028-17-8	PCI/G	U	3.24	6.00	1.00	21.6
3.1.1.E.8	SAMPLE	42340	385077	Tritium	R	EPA 906.0 Modified	1.54	1.91	10028-17-8	PCI/G		3.24	6.00	1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0148	0.0869	14158-29-3	PCI/G	U	0.173	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	1.12	0.316	13968-55-3/1396	PCI/G		0.176	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.148	0.122	15117-96-1/1396	PCI/G		0.105	1.00	1.00	21.6
3.1.1.E.8	SAMPLE	42332	385077	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.951	0.288	7440-61-1	PCI/G		0.121	1.00	1.00	21.6
3.1.10.E.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0936	0.382	14952-40-0	PCI/G	U	0.695		1.00	21.6
3.1.10.E.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.8	3.99	12587-46-1	PCI/G		3.97	4.00	1.00	21.6
3.1.10.E.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0373	0.153	14234-35-6	PCI/G	U	0.284		1.00	21.6
3.1.10.E.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.5	3.74	12587-47-2	PCI/G		4.48	10.0	1.00	21.6
3.1.10.E.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.817	14913-49-6	PCI/G	UI	1.72		1.00	21.6
3.1.10.E.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.222	14733-03-0	PCI/G		0.180		1.00	21.6
3.1.10.E.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.16	0.156	10045-97-3	PCI/G		0.0979	0.100	1.00	21.6
3.1.10.E.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0117	0.0593	10198-40-0	PCI/G	U	0.120		1.00	21.6
3.1.10.E.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0198	0.191	15585-10-1	PCI/G	U	0.316		1.00	21.6
3.1.10.E.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.223	15092-94-1	PCI/G		0.171		1.00	21.8
3.1.10.E.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.976	0.295	15067-28-4	PCI/G		0.207		1.00	21.8
3.1.10.E.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.0	1.75	13966-00-2	PCI/G		0.825		1.00	21.8
3.1.10.E.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.781	14331-85-2	PCI/G	UI	1.46		1.00	21.8
3.1.10.E.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.222	13982-63-3	PCI/G		0.180		1.00	21.8
3.1.10.E.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.28	0.381	15262-20-1	PCI/G		0.385		1.00	21.8
3.1.10.E.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.308	0.0992	14913-50-9	PCI/G		0.112		1.00	21.8
3.1.10.E.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.232		PCI/G	UI	0.197		1.00	21.8

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.10.E.1	DUP	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.131	0.407	14952-40-0	PCI/G	U	0.669		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0444	0.158	14234-35-6	PCI/G	U	0.287		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.745	14913-49-6	PCI/G	UI	1.53		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.978	0.206	14733-03-0	PCI/G		0.145		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.24	0.147	10045-97-3	PCI/G		0.101	0.100	1.00	21.8
3.1.10.E.1	DUP	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.024	0.049	10198-40-0	PCI/G	U	0.0885		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0451	0.152	15585-10-1	PCI/G	U	0.283		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.182	15092-94-1	PCI/G		0.172		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.22	0.218	15067-28-4	PCI/G		0.213		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.7	1.70	13966-00-2	PCI/G		0.745		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.931	14331-85-2	PCI/G	UI	1.33		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.978	0.206	13982-63-3	PCI/G		0.145		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.957	0.313	15262-20-1	PCI/G		0.328		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.394	0.0968	14913-50-9	PCI/G		0.090		1.00	21.8
3.1.10.E.1	DUP	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0594	0.178		PCI/G	U	0.231		1.00	21.8
3.1.10.E.2	SAMPLE	42387	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.346	0.350	"14952-40-0"	PCI/G	U	0.597		1.00	21.8
3.1.10.E.2	SAMPLE	42405	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.305	0.352	"14952-40-0"	PCI/G	U	0.610		1.00	21.8
3.1.10.E.2	SAMPLE	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	9.23	3.22	"12587-46-1"	PCI/G		3.99	4.00	1.00	21.8
3.1.10.E.2	SAMPLE	42387	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0245	0.154	"14234-35-6"	PCI/G	U	0.279		1.00	21.8
3.1.10.E.2	SAMPLE	42405	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0514	0.127	"14234-35-6"	PCI/G	U	0.240		1.00	21.8
3.1.10.E.2	SAMPLE	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.4	2.95	"12587-47-2"	PCI/G		3.27	10.0	1.00	0
3.1.10.E.2	SAMPLE	42387	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.774	"14913-49-6"	PCI/G	UI	1.63		1.00	0
3.1.10.E.2	SAMPLE	42405	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.973	"14913-49-6"	PCI/G	UI	1.49		1.00	0
3.1.10.E.2	SAMPLE	42387	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.918	0.201	"14733-03-0"	PCI/G		0.193		1.00	0
3.1.10.E.2	SAMPLE	42405	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.963	0.178	"14733-03-0"	PCI/G		0.157		1.00	0
3.1.10.E.2	SAMPLE	42387	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.28	0.173	"10045-97-3"	PCI/G		0.112	0.100	1.00	0
3.1.10.E.2	SAMPLE	42405	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.45	0.167	"10045-97-3"	PCI/G		0.0872	0.100	1.00	21.8
3.1.10.E.2	SAMPLE	42387	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00583	0.0653	"10198-40-0"	PCI/G	U	0.128		1.00	21.8
3.1.10.E.2	SAMPLE	42405	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0154	0.0581	"10198-40-0"	PCI/G	U	0.115		1.00	22.9
3.1.10.E.2	SAMPLE	42387	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.11	0.217	"15585-10-1"	PCI/G	U	0.321		1.00	22.9
3.1.10.E.2	SAMPLE	42405	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.061	0.147	"15585-10-1"	PCI/G	U	0.300		1.00	22.9
3.1.10.E.2	SAMPLE	42387	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.24	0.155	"15092-94-1"	PCI/G		0.150		1.00	22.9
3.1.10.E.2	SAMPLE	42405	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.29	0.138	"15092-94-1"	PCI/G		0.127		1.00	22.9
3.1.10.E.2	SAMPLE	42387	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.228	"15067-28-4"	PCI/G		0.198		1.00	22.9
3.1.10.E.2	SAMPLE	42405	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.08	0.205	"15067-28-4"	PCI/G		0.167		1.00	22.9
3.1.10.E.2	SAMPLE	42387	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	16.2	1.94	"13966-00-2"	PCI/G		1.08		1.00	22.9
3.1.10.E.2	SAMPLE	42405	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.1	1.65	"13966-00-2"	PCI/G		0.622		1.00	22.9
3.1.10.E.2	SAMPLE	42387	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.913	"14331-85-2"	PCI/G	UI	1.17		1.00	22.9
3.1.10.E.2	SAMPLE	42405	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.00	"14331-85-2"	PCI/G	UI	1.13		1.00	22.9
3.1.10.E.2	SAMPLE	42387	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.918	0.201	"13982-63-3"	PCI/G		0.193		1.00	22.9
3.1.10.E.2	SAMPLE	42405	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.963	0.178	"13982-63-3"	PCI/G		0.157		1.00	22.9
3.1.10.E.2	SAMPLE	42387	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.971	0.336	"15262-20-1"	PCI/G		0.395		1.00	22.9
3.1.10.E.2	SAMPLE	42405	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.27	0.330	"15262-20-1"	PCI/G		0.316		1.00	22.9

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.10.E.2	SAMPLE	42387	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.340	0.107	="14913-50-9"	PCI/G		0.0933		1.00	22.9
3.1.10.E.2	SAMPLE	42405	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.400	0.109	="14913-50-9"	PCI/G		0.0826		1.00	22.9
3.1.10.E.2	SAMPLE	42387	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.153	=""	PCI/G	UI	0.218		1.00	22.9
3.1.10.E.2	SAMPLE	42405	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.114	=""	PCI/G	UI	0.145		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.167	0.254	14952-40-0	PCI/G	U	0.482		1.00	22.9
3.1.11.E.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.8	3.32	12587-46-1	PCI/G		3.46	4.00	1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0531	0.104	14234-35-6	PCI/G	U	0.197		1.00	22.9
3.1.11.E.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.0	2.81	12587-47-2	PCI/G		3.25	10.0	1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.53	0.832	14913-49-6	PCI/G		0.628		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.946	0.149	14733-03-0	PCI/G		0.123		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.984	0.0988	10045-97-3	PCI/G		0.0738	0.100	1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0236	0.0349	10198-40-0	PCI/G	U	0.060		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.131	15585-10-1	PCI/G	UI	0.255		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.29	0.129	15092-94-1	PCI/G		0.112		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.191	15067-28-4	PCI/G		0.139		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	16.5	1.34	13966-00-2	PCI/G		0.455		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.572	14331-85-2	PCI/G	UI	0.840		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.946	0.149	13982-63-3	PCI/G		0.123		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.325	15262-20-1	PCI/G		0.266		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.364	0.0786	14913-50-9	PCI/G		0.0624		1.00	22.9
3.1.11.E.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.126		PCI/G	UI	0.135		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.127	0.443	="14952-40-0"	PCI/G	U	0.805		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00461	0.300	="14952-40-0"	PCI/G	U	0.560		1.00	22.9
3.1.11.E.2	SAMPLE	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.4	3.64	="12587-46-1"	PCI/G		3.93	4.00	1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0984	0.166	="14234-35-6"	PCI/G	U	0.291		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0709	0.134	="14234-35-6"	PCI/G	U	0.232		1.00	22.9
3.1.11.E.2	SAMPLE	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.1	3.44	="12587-47-2"	PCI/G		4.18	10.0	1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.371	0.956	="14913-49-6"	PCI/G	U	1.93		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.710	="14913-49-6"	PCI/G		1.05		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.918	0.235	="14733-03-0"	PCI/G		0.220		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.200	="14733-03-0"	PCI/G		0.157		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.44	0.183	="10045-97-3"	PCI/G		0.115	0.100	1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.35	0.136	="10045-97-3"	PCI/G		0.0821	0.100	1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0486	0.0489	="10198-40-0"	PCI/G	U	0.0725		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00937	0.0501	="10198-40-0"	PCI/G	U	0.0994		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0346	0.174	="15585-10-1"	PCI/G	U	0.349		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0862	0.145	="15585-10-1"	PCI/G	U	0.301		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.41	0.181	="15092-94-1"	PCI/G		0.163		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.25	0.134	="15092-94-1"	PCI/G		0.113		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.988	0.250	="15067-28-4"	PCI/G		0.221		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.17	0.174	="15067-28-4"	PCI/G		0.171		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.7	2.43	="13966-00-2"	PCI/G		1.42		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.4	1.72	="13966-00-2"	PCI/G		0.931		1.00	22.9

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.11.E.2	SAMPLE	42387	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.16	="14331-85-2"	PCI/G	UI	1.20		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.763	="14331-85-2"	PCI/G	UI	0.960		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.918	0.235	="13982-63-3"	PCI/G		0.220		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.200	="13982-63-3"	PCI/G		0.157		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.78	0.417	="15262-20-1"	PCI/G		0.537		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.388	="15262-20-1"	PCI/G		0.266		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.316	0.121	="14913-50-9"	PCI/G		0.115		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.424	0.0832	="14913-50-9"	PCI/G		0.0755		1.00	22.9
3.1.11.E.2	SAMPLE	42387	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0695	0.156	=""	PCI/G	U	0.233		1.00	22.9
3.1.11.E.2	SAMPLE	42405	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0899	=""	PCI/G	UI	0.112		1.00	22.9
3.1.12.E.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0126	0.297	14952-40-0	PCI/G	U	0.538		1.00	22.9
3.1.12.E.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.3	3.98	12587-46-1	PCI/G		3.95	4.00	1.00	22.9
3.1.12.E.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.107	0.111	14234-35-6	PCI/G	U	0.189		1.00	23.4
3.1.12.E.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	26.4	3.40	12587-47-2	PCI/G		4.01	10.0	1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.968	14913-49-6	PCI/G	UI	1.27		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.06	0.187	14733-03-0	PCI/G		0.145		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.120	10045-97-3	PCI/G		0.0736	0.100	1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0284	0.0415	10198-40-0	PCI/G	U	0.072		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0371	0.134	15585-10-1	PCI/G	U	0.251		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.35	0.140	15092-94-1	PCI/G		0.117		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.40	0.182	15067-28-4	PCI/G		0.329		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	18.3	1.45	13966-00-2	PCI/G		0.680		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.642	14331-85-2	PCI/G	UI	0.997		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.06	0.187	13982-63-3	PCI/G		0.145		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.41	0.282	15262-20-1	PCI/G		0.259		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.407	0.071	14913-50-9	PCI/G		0.0677		1.00	23.4
3.1.12.E.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.133		PCI/G	UI	0.157		1.00	23.4
3.1.12.E.1	MSD	42341	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	88.7	15.6	12587-46-1	%		7.32	4.00	1.00	23.4
3.1.12.E.1	MSD	42341	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	108	17.3	12587-47-2	%		3.78	10.0	1.00	23.4
3.1.12.E.1	MS	42341	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	94.7	15.2	12587-46-1	%		4.25	4.00	1.00	23.4
3.1.12.E.1	MS	42341	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	107	17.5	12587-47-2	%		4.03	10.0	1.00	23.4
3.1.12.E.1	DUP	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.7	4.01	12587-46-1	PCI/G		3.86	4.00	1.00	23.4
3.1.12.E.1	DUP	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.4	3.49	12587-47-2	PCI/G		3.71	10.0	1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.203	0.260	="14952-40-0"	PCI/G	U	0.461		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0241	0.308	="14952-40-0"	PCI/G	U	0.549		1.00	23.4
3.1.12.E.2	SAMPLE	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.2	3.71	="12587-46-1"	PCI/G		3.89	4.00	1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0615	0.116	="14234-35-6"	PCI/G	U	0.223		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0245	0.114	="14234-35-6"	PCI/G	U	0.203		1.00	23.4
3.1.12.E.2	SAMPLE	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	26.2	3.18	="12587-47-2"	PCI/G		2.87	10.0	1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.843	="14913-49-6"	PCI/G	UI	1.46		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.809	="14913-49-6"	PCI/G	UI	1.35		1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.00	0.174	="14733-03-0"	PCI/G		0.147		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.17	0.153	="14733-03-0"	PCI/G		0.127		1.00	23.4

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.12.E.2	SAMPLE	42387	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.35	0.141	="10045-97-3"	PCI/G		0.0947	0.100	1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.43	0.117	="10045-97-3"	PCI/G		0.0674	0.100	1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0423	0.0438	="10198-40-0"	PCI/G	U	0.070		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0119	0.039	="10198-40-0"	PCI/G	U	0.0668		1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.101	0.143	="15585-10-1"	PCI/G	U	0.300		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0941	0.130	="15585-10-1"	PCI/G	U	0.222		1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	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	23.4
3.1.12.E.2	SAMPLE	42405	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.32	0.132	="15092-94-1"	PCI/G		0.110		1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.182	="15067-28-4"	PCI/G		0.355		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.210	="15067-28-4"	PCI/G		0.324		1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	16.5	1.65	="13966-00-2"	PCI/G		0.750		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	16.3	1.34	="13966-00-2"	PCI/G		0.641		1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.805	="14331-85-2"	PCI/G	UI	0.936		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.214	0.606	="14331-85-2"	PCI/G	U	1.02		1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.00	0.174	="13982-63-3"	PCI/G		0.147		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.17	0.153	="13982-63-3"	PCI/G		0.127		1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.42	0.294	="15262-20-1"	PCI/G		0.208		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.27	0.300	="15262-20-1"	PCI/G		0.261		1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.466	0.0933	="14913-50-9"	PCI/G		0.0706		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.371	0.0751	="14913-50-9"	PCI/G		0.074		1.00	23.4
3.1.12.E.2	SAMPLE	42387	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0929	=""	PCI/G	UI	0.106		1.00	23.4
3.1.12.E.2	SAMPLE	42405	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0343	0.159	=""	PCI/G	U	0.194		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.121	0.266	14952-40-0	PCI/G	U	0.537		1.00	23.4
3.1.13.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	8.17	2.26	12587-46-1	PCI/G		2.68	4.00	1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0425	0.111	14234-35-6	PCI/G	U	0.201		1.00	23.4
3.1.13.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.3	2.09	12587-47-2	PCI/G		2.47	10.0	1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.86	0.689	14913-49-6	PCI/G		1.07		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.964	0.208	14733-03-0	PCI/G		0.146		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.966	0.126	10045-97-3	PCI/G		0.107	0.100	1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0291	0.0422	10198-40-0	PCI/G	U	0.0935		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0314	0.136	15585-10-1	PCI/G	U	0.273		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.161	15092-94-1	PCI/G		0.137		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.786	0.218	15067-28-4	PCI/G		0.159		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	10.9	1.55	13966-00-2	PCI/G		0.407		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.859	14331-85-2	PCI/G	UI	0.968		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.964	0.208	13982-63-3	PCI/G		0.146		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.679	0.385	15262-20-1	PCI/G		0.302		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.385	0.077	14913-50-9	PCI/G		0.0737		1.00	23.4
3.1.13.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.124		PCI/G	UI	0.135		1.00	23.4
3.1.13.R.2	SAMPLE	42387	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.113	0.345	="14952-40-0"	PCI/G	U	0.658		1.00	23.4
3.1.13.R.2	SAMPLE	42405	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.172	0.331	="14952-40-0"	PCI/G	U	0.631		1.00	23.4
3.1.13.R.2	SAMPLE	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.9	3.81	="12587-46-1"	PCI/G		3.99	4.00	1.00	23.4
3.1.13.R.2	SAMPLE	42387	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.000289	0.143	="14234-35-6"	PCI/G	U	0.264		1.00	23.4

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.13.R.2	SAMPLE	42405	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.000515	0.119	="14234-35-6"	PCI/G	U	0.216		1.00	23.4
3.1.13.R.2	SAMPLE	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.9	2.90	="12587-47-2"	PCI/G		2.54	10.0	1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.21	="14913-49-6"	PCI/G	UI	1.65		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.52	0.645	="14913-49-6"	PCI/G		0.792		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.618	0.184	="14733-03-0"	PCI/G		0.170		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.785	0.179	="14733-03-0"	PCI/G		0.171		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.142	="10045-97-3"	PCI/G		0.0823	0.100	1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.991	0.123	="10045-97-3"	PCI/G		0.0733	0.100	1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0285	="10198-40-0"	PCI/G	UI	0.0845		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.022	0.0518	="10198-40-0"	PCI/G	U	0.0944		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0409	0.139	="15585-10-1"	PCI/G	U	0.258		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0246	0.128	="15585-10-1"	PCI/G	U	0.236		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.986	0.148	="15092-94-1"	PCI/G		0.138		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.140	="15092-94-1"	PCI/G		0.137		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.994	0.280	="15067-28-4"	PCI/G		0.376		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.998	0.204	="15067-28-4"	PCI/G		0.173		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.8	1.65	="13966-00-2"	PCI/G		0.818		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.0	1.63	="13966-00-2"	PCI/G		0.917		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.622	="14331-85-2"	PCI/G	UI	1.10		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.903	="14331-85-2"	PCI/G	UI	1.05		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.618	0.184	="13982-63-3"	PCI/G		0.170		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.785	0.179	="13982-63-3"	PCI/G		0.171		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.11	0.281	="15262-20-1"	PCI/G		0.271		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.328	="15262-20-1"	PCI/G	UI	0.650		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.326	0.104	="14913-50-9"	PCI/G		0.084		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.296	0.074	="14913-50-9"	PCI/G		0.0756		1.00	22.1
3.1.13.R.2	SAMPLE	42387	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.192	=""	PCI/G	UI	0.263		1.00	22.1
3.1.13.R.2	SAMPLE	42405	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0406	0.114	=""	PCI/G	U	0.213		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.143	0.268	14952-40-0	PCI/G	U	0.482		1.00	22.1
3.1.14.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	9.96	3.08	12587-46-1	PCI/G		3.99	4.00	1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.126	0.101	14234-35-6	PCI/G	U	0.173		1.00	22.1
3.1.14.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.0	2.46	12587-47-2	PCI/G		3.06	10.0	1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.555	14913-49-6	PCI/G	UI	1.14		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.770	0.161	14733-03-0	PCI/G		0.124		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.36	0.128	10045-97-3	PCI/G		0.085	0.100	1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00901	0.0442	10198-40-0	PCI/G	U	0.0833		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00656	0.118	15585-10-1	PCI/G	U	0.232		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.112	15092-94-1	PCI/G		0.101		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.817	0.194	15067-28-4	PCI/G		0.137		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.5	1.34	13966-00-2	PCI/G		0.743		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.718	14331-85-2	PCI/G	UI	0.811		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.770	0.161	13982-63-3	PCI/G		0.124		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.988	0.281	15262-20-1	PCI/G		0.244		1.00	22.1

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.14.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.277	0.0893	14913-50-9	PCI/G		0.0735		1.00	22.1
3.1.14.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0927		PCI/G	UI	0.0936		1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0627	0.280	"14952-40-0"	PCI/G	U	0.518		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.172	0.211	"14952-40-0"	PCI/G	U	0.365		1.00	22.1
3.1.14.R.2	SAMPLE	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	9.16	3.18	"12587-46-1"	PCI/G		3.99	4.00	1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0142	0.117	"14234-35-6"	PCI/G	U	0.213		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0178	0.0897	"14234-35-6"	PCI/G	U	0.160		1.00	22.1
3.1.14.R.2	SAMPLE	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	19.6	2.47	"12587-47-2"	PCI/G		2.29	10.0	1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.77	0.760	"14913-49-6"	PCI/G		0.864		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.621	"14913-49-6"	PCI/G	UI	0.663		1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.744	0.173	"14733-03-0"	PCI/G		0.129		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.869	0.144	"14733-03-0"	PCI/G		0.104		1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.37	0.141	"10045-97-3"	PCI/G		0.0746	0.100	1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.27	0.0964	"10045-97-3"	PCI/G		0.0564	0.100	1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0227	0.0403	"10198-40-0"	PCI/G	U	0.0886		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00241	0.030	"10198-40-0"	PCI/G	U	0.0568		1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0087	0.139	"15585-10-1"	PCI/G	U	0.269		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0386	0.0904	"15585-10-1"	PCI/G	U	0.160		1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.942	0.158	"15092-94-1"	PCI/G		0.122		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.794	0.104	"15092-94-1"	PCI/G		0.0986		1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.764	0.187	"15067-28-4"	PCI/G		0.148		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.915	0.142	"15067-28-4"	PCI/G		0.234		1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.4	1.46	"13966-00-2"	PCI/G		0.591		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.9	1.17	"13966-00-2"	PCI/G		0.428		1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.706	"14331-85-2"	PCI/G	UI	0.953		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.342	0.443	"14331-85-2"	PCI/G	U	0.775		1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.744	0.173	"13982-63-3"	PCI/G		0.129		1.00	22.1
3.1.14.R.2	SAMPLE	42405	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.869	0.144	"13982-63-3"	PCI/G		0.104		1.00	22.1
3.1.14.R.2	SAMPLE	42387	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.952	0.265	"15262-20-1"	PCI/G		0.258		1.00	21.5
3.1.14.R.2	SAMPLE	42405	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.180	"15262-20-1"	PCI/G		0.172		1.00	21.5
3.1.14.R.2	SAMPLE	42387	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.200	0.079	"14913-50-9"	PCI/G		0.0639		1.00	21.5
3.1.14.R.2	SAMPLE	42405	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.203	0.0651	"14913-50-9"	PCI/G		0.0563		1.00	21.5
3.1.14.R.2	SAMPLE	42387	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0993	"	PCI/G	UI	0.175		1.00	21.5
3.1.14.R.2	SAMPLE	42405	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.084	"	PCI/G	UI	0.126		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.178	0.348	14952-40-0	PCI/G	U	0.605		1.00	21.5
3.1.15.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.1	3.19	12587-46-1	PCI/G		3.76	4.00	1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.202	14234-35-6	PCI/G	UI	0.246		1.00	21.5
3.1.15.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.7	2.71	12587-47-2	PCI/G		3.36	10.0	1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.11	14913-49-6	PCI/G	UI	1.55		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.932	0.230	14733-03-0	PCI/G		0.190		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.28	0.158	10045-97-3	PCI/G		0.0961	0.100	1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0155	0.0487	10198-40-0	PCI/G	U	0.0998		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00314	0.151	15585-10-1	PCI/G	U	0.291		1.00	21.5

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.15.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.154	15092-94-1	PCI/G		0.144		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.16	0.224	15067-28-4	PCI/G		0.173		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.0	1.69	13966-00-2	PCI/G		0.731		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.914	14331-85-2	PCI/G	UI	1.23		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.932	0.230	13982-63-3	PCI/G		0.190		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.906	0.363	15262-20-1	PCI/G		0.340		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.295	0.0794	14913-50-9	PCI/G		0.0849		1.00	21.5
3.1.15.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0586	0.189		PCI/G	U	0.238		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0408	0.357	"14952-40-0"	PCI/G	U	0.663		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.053	0.283	"14952-40-0"	PCI/G	U	0.489		1.00	21.5
3.1.15.R.2	SAMPLE	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	18.5	4.07	"12587-46-1"	PCI/G		3.95	4.00	1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0275	0.152	"14234-35-6"	PCI/G	U	0.281		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0738	0.121	"14234-35-6"	PCI/G	U	0.231		1.00	21.5
3.1.15.R.2	SAMPLE	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.7	2.89	"12587-47-2"	PCI/G		2.82	10.0	1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.857	"14913-49-6"	PCI/G	UI	1.67		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.07	0.966	"14913-49-6"	PCI/G		0.966		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.828	0.196	"14733-03-0"	PCI/G		0.160		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.833	0.176	"14733-03-0"	PCI/G		0.143		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.68	0.183	"10045-97-3"	PCI/G		0.108	0.100	1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.72	0.140	"10045-97-3"	PCI/G		0.090	0.100	1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00658	0.0551	"10198-40-0"	PCI/G	U	0.111		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0252	0.0471	"10198-40-0"	PCI/G	U	0.0908		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0103	0.135	"15585-10-1"	PCI/G	U	0.275		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.024	0.150	"15585-10-1"	PCI/G	U	0.244		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.20	0.151	"15092-94-1"	PCI/G		0.147		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.129	"15092-94-1"	PCI/G		0.118		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.944	0.267	"15067-28-4"	PCI/G		0.204		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.26	0.185	"15067-28-4"	PCI/G		0.338		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.3	1.65	"13966-00-2"	PCI/G		0.617		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.3	1.71	"13966-00-2"	PCI/G		0.730		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.888	"14331-85-2"	PCI/G	UI	1.54		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.996	"14331-85-2"	PCI/G	UI	0.907		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.828	0.196	"13982-63-3"	PCI/G		0.160		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.833	0.176	"13982-63-3"	PCI/G		0.143		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.376	"15262-20-1"	PCI/G		0.377		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.14	0.287	"15262-20-1"	PCI/G		0.282		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.301	0.0966	"14913-50-9"	PCI/G		0.0881		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.387	0.080	"14913-50-9"	PCI/G		0.0742		1.00	21.5
3.1.15.R.2	SAMPLE	42387	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.188	"	PCI/G	UI	0.202		1.00	21.5
3.1.15.R.2	SAMPLE	42405	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.112	"	PCI/G	UI	0.124		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0964	0.260	14952-40-0	PCI/G	U	0.494		1.00	21.5
3.1.16.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.7	3.55	12587-46-1	PCI/G		3.98	4.00	1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0282	0.112	14234-35-6	PCI/G	U	0.206		1.00	21.5

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.16.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.7	2.59	12587-47-2	PCI/G		2.91	10.0	1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.914	14913-49-6	PCI/G	UI	1.23		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.682	0.167	14733-03-0	PCI/G		0.139		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.75	0.161	10045-97-3	PCI/G		0.0756	0.100	1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0414	10198-40-0	PCI/G	UI	0.0968		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0232	0.114	15585-10-1	PCI/G	U	0.191		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.930	0.129	15092-94-1	PCI/G		0.163		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.944	0.220	15067-28-4	PCI/G		0.149		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.7	1.55	13966-00-2	PCI/G		0.702		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.306	0.558	14331-85-2	PCI/G	U	1.12		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.682	0.167	13982-63-3	PCI/G		0.139		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.716	0.295	15262-20-1	PCI/G		0.279		1.00	21.5
3.1.16.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.278	0.0785	14913-50-9	PCI/G		0.0696		1.00	22.5
3.1.16.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0837	0.143		PCI/G	U	0.193		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0361	0.247	"14952-40-0"	PCI/G	U	0.449		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.186	0.317	"14952-40-0"	PCI/G	U	0.567		1.00	22.5
3.1.16.R.2	SAMPLE	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	8.99	3.55	"12587-46-1"	PCI/G		3.91	4.00	1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.081	0.107	"14234-35-6"	PCI/G	U	0.186		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.128	"14234-35-6"	PCI/G	UI	0.256		1.00	22.5
3.1.16.R.2	SAMPLE	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.0	2.71	"12587-47-2"	PCI/G		2.56	10.0	1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.503	"14913-49-6"	PCI/G	UI	0.988		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.641	"14913-49-6"	PCI/G	UI	1.11		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.475	0.125	"14733-03-0"	PCI/G		0.117		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.635	0.180	"14733-03-0"	PCI/G		0.146		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.41	0.138	"10045-97-3"	PCI/G		0.063	0.100	1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.48	0.176	"10045-97-3"	PCI/G		0.074	0.100	1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0219	0.0352	"10198-40-0"	PCI/G	U	0.0715		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0267	0.0439	"10198-40-0"	PCI/G	U	0.0788		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0751	0.105	"15585-10-1"	PCI/G	U	0.181		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0256	0.136	"15585-10-1"	PCI/G	U	0.226		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.829	0.108	"15092-94-1"	PCI/G		0.0995		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.704	0.128	"15092-94-1"	PCI/G		0.132		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.684	0.134	"15067-28-4"	PCI/G		0.122		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.214	"15067-28-4"	PCI/G		0.340		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.5	1.26	"13966-00-2"	PCI/G		0.452		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.1	1.57	"13966-00-2"	PCI/G		0.510		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.189	0.462	"14331-85-2"	PCI/G	U	0.816		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.349	0.571	"14331-85-2"	PCI/G	U	1.13		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.475	0.125	"13982-63-3"	PCI/G		0.117		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.635	0.180	"13982-63-3"	PCI/G		0.146		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.842	0.214	"15262-20-1"	PCI/G		0.215		1.00	22.5
3.1.16.R.2	SAMPLE	42405	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.663	0.302	"15262-20-1"	PCI/G		0.242		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.220	0.0636	"14913-50-9"	PCI/G		0.0533		1.00	22.5

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.16.R.2	SAMPLE	42405	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.248	0.0756	"14913-50-9"	PCI/G		0.0777		1.00	22.5
3.1.16.R.2	SAMPLE	42387	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.145	"	PCI/G	UI	0.140		1.00	24
3.1.16.R.2	SAMPLE	42405	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0248	0.173	"	PCI/G	U	0.170		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Actinium-227	R	EPA 901.1	23.6	29.6	14952-40-0	PCI/L	U	55.3		1.00	24
3.1.16.R.6	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310	-0.489	1.76	12587-46-1	PCI/L	U	3.75	5.00	1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Antimony-125	R	EPA 901.1	-8.67	11.0	14234-35-6	PCI/L	U	18.0		1.00	24
3.1.16.R.6	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310	-2.58	2.47	12587-47-2	PCI/L	U	4.94	5.00	1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Bismuth-212	R	EPA 901.1	31.4	54.8	14913-49-6	PCI/L	U	108		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Bismuth-214	R	EPA 901.1	-12.8	10.9	14733-03-0	PCI/L	U	16.5		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Cesium-137	R	EPA 901.1	0.378	4.01	10045-97-3	PCI/L	U	7.52	10.0	1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Cobalt-60	R	EPA 901.1	0.318	4.94	10198-40-0	PCI/L	U	9.52		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Europium-154	R	EPA 901.1	1.81	12.7	15585-10-1	PCI/L	U	25.0		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Lead-212	R	EPA 901.1	0.00	10.9	15092-94-1	PCI/L	UI	12.5		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Lead-214	R	EPA 901.1	-1.37	11.5	15067-28-4	PCI/L	U	16.9		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Potassium-40	R	EPA 901.1	-27.9	56.9	13966-00-2	PCI/L	U	101		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Protactinium-231	R	EPA 901.1	24.2	51.3	14331-85-2	PCI/L	U	94.5		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Radium-228	R	EPA 901.1	-22.7	22.3	15262-20-1	PCI/L	U	28.6		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Thallium-208	R	EPA 901.1	0.00	5.92	14913-50-9	PCI/L	UI	6.62		1.00	24
3.1.16.R.6	SAMPLE	42325	385070	Tin-126	R	EPA 901.1	-6.8	14.4		PCI/L	U	16.0		1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0672	0.346	14952-40-0	PCI/G	U	0.631		1.00	24
3.1.17.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.8	2.94	12587-46-1	PCI/G		3.46	4.00	1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0605	0.157	14234-35-6	PCI/G	U	0.272		1.00	24
3.1.17.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	24.4	2.64	12587-47-2	PCI/G		3.11	10.0	1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.727	14913-49-6	PCI/G	UI	1.58		1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.197	14733-03-0	PCI/G		0.163		1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.935	0.133	10045-97-3	PCI/G		0.0906	0.100	1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-2.82E-05	0.0516	10198-40-0	PCI/G	U	0.103		1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.112	0.235	15585-10-1	PCI/G	U	0.336		1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.154	15092-94-1	PCI/G		0.142		1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.231	15067-28-4	PCI/G		0.406		1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.0	1.65	13966-00-2	PCI/G		0.902		1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.403	0.712	14331-85-2	PCI/G	U	1.23		1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.197	13982-63-3	PCI/G		0.163		1.00	24
3.1.17.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.329	15262-20-1	PCI/G		0.324		1.00	22.8
3.1.17.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.426	0.0914	14913-50-9	PCI/G		0.0781		1.00	22.8
3.1.17.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0481	0.154		PCI/G	U	0.220		1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0339	0.182	14952-40-0	PCI/G	U	0.336		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0259	0.347	14952-40-0	PCI/G	U	0.613		1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.2	3.81	12587-46-1	PCI/G		3.82	4.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0173	0.0477	14596-10-2	PCI/G	U	0.0827	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0422	0.0675	14234-35-6	PCI/G	U	0.129		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0466	0.127	14234-35-6	PCI/G	U	0.246		1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.9	3.27	12587-47-2	PCI/G		2.92	10.0	1.00	22.8

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.17.R.2	SAMPLE	42367	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.624	14913-49-6	PCI/G	U	0.832		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.12	14913-49-6	PCI/G	UI	1.27		1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.746	0.123	14733-03-0	PCI/G		0.0981		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.814	0.200	14733-03-0	PCI/G		0.162		1.00	22.8
3.1.17.R.2	SAMPLE	42385	388092	Carbon-14	R	EPA EERF C-01 Modified	-0.182	0.783	14762-75-5	PCI/G	U	1.34	2.00	1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.773	0.0773	10045-97-3	PCI/G		0.045	0.100	1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.742	0.107	10045-97-3	PCI/G		0.0879	0.100	1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.000218	0.0238	10198-40-0	PCI/G	U	0.0461		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00171	0.0366	10198-40-0	PCI/G	U	0.072		1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0385	OER-100-93	PCI/G		0.0573	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.0205	0.047		PCI/G		0.0745	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0155	0.0436		PCI/G		0.0465	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0157	0.0955	15585-10-1	PCI/G	U	0.172		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.122	0.136	15585-10-1	PCI/G	U	0.293		1.00	22.8
3.1.17.R.2	SAMPLE	42384	388092	Iodine-129	R	DOE EML HASL-300,I-01 Modified	0.0568	0.400	15046-84-1	PCI/G	U	1.06	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.0862	15092-94-1	PCI/G		0.0739		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.132	15092-94-1	PCI/G		0.130		1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.841	0.122	15067-28-4	PCI/G		0.0942		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.215	15067-28-4	PCI/G		0.176		1.00	22.6
3.1.17.R.2	SAMPLE	42381	388092	Neptunium-237	R	ASTM C 1476-00 Modified	0.0424	0.274	13994-20-2	PCI/G	U	0.560	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0518	0.0673	13981-16-3	PCI/G		0.0957	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.031	0.0549	OER-100-70	PCI/G		0.0832	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42383	388092	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-6.03	7.26	14119-32-5	PCI/G	U	12.9	15.0	1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.5	1.09	13966-00-2	PCI/G		0.475		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.0	1.68	13966-00-2	PCI/G		0.570		1.00	22.6
3.1.17.R.2	SAMPLE	42367	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.411	14331-85-2	PCI/G	UI	0.710		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.66	14331-85-2	PCI/G	UI	1.08		1.00	22.6
3.1.17.R.2	SAMPLE	42367	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.746	0.123	13982-63-3	PCI/G		0.0981		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.814	0.200	13982-63-3	PCI/G		0.162		1.00	22.6
3.1.17.R.2	SAMPLE	42367	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.965	0.179	15262-20-1	PCI/G		0.182		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.309	15262-20-1	PCI/G		0.293		1.00	22.6
3.1.17.R.2	SAMPLE	42375	388092	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.298	0.841	10098-97-2	PCI/G	U	1.70	2.00	1.00	22.8
3.1.17.R.2	SAMPLE	42388	388092	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	0.241	1.64	14133-76-7	PCI/G	U	2.84	5.00	1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.330	0.0473	14913-50-9	PCI/G		0.0465		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.293	0.095	14913-50-9	PCI/G		0.0779		1.00	22.6
3.1.17.R.2	SAMPLE	42381	388092	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.26	0.642	14274-82-9	PCI/G		0.449	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	-0.0682	0.158	15594-54-4	PCI/G	U	0.468	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	1.03	0.559	14269-63-7	PCI/G		0.393	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.848	0.501	7440-29-1	PCI/G		0.212	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42367	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0766		PCI/G	U	0.086		1.00	22.8
3.1.17.R.2	SAMPLE	42387	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.139		PCI/G	UI	0.165		1.00	22.6
3.1.17.R.2	SAMPLE	42379	388092	Tritium	R	EPA 906.0 Modified	1.27	2.46	10028-17-8	PCI/G	U	4.19	6.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	-0.0392	0.0409	14158-29-3	PCI/G	U	0.142	1.00	1.00	22.8

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.17.R.2	SAMPLE	42381	388092	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.759	0.245	13968-55-3/139	PCI/G		0.128	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0296	0.0681	15117-96-1/139	PCI/G		0.108	1.00	1.00	22.8
3.1.17.R.2	SAMPLE	42381	388092	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.841	0.256	7440-61-1	PCI/G		0.119	1.00	1.00	22.8
3.1.17.R.2	MSD	42380	388092	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	113	15.4	12587-46-1	%		5.40	4.00	1.00	22.6
3.1.17.R.2	MSD	42380	388092	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	118	18.1	12587-47-2	%		5.48	10.0	1.00	22.6
3.1.17.R.2	MS	42380	388092	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	109	11.9	12587-46-1	%		4.27	4.00	1.00	22.6
3.1.17.R.2	MS	42380	388092	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	98.6	12.6	12587-47-2	%		2.65	10.0	1.00	22.6
3.1.17.R.2	DUP	42381	388092	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	9.12	3.77	12587-46-1	PCI/G		3.92	4.00	1.00	22.6
3.1.17.R.2	DUP	42381	388092	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.5	2.89	12587-47-2	PCI/G		2.41	10.0	1.00	22.6
3.1.17.R.5	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0434	0.269	14952-40-0	PCI/G	U	0.489		1.00	22.6
3.1.17.R.5	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.2	2.84	12587-46-1	PCI/G		2.57	4.00	1.00	22.6
3.1.17.R.5	SAMPLE	42332	385070	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	-0.0175	0.0406	14596-10-2	PCI/G	U	0.120	1.00	1.00	22.6
3.1.17.R.5	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0629	0.110	14234-35-6	PCI/G	U	0.199		1.00	22.6
3.1.17.R.5	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.2	2.55	12587-47-2	PCI/G		2.84	10.0	1.00	22.6
3.1.17.R.5	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.09	14913-49-6	PCI/G	UI	0.860		1.00	22.6
3.1.17.R.5	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.800	0.174	14733-03-0	PCI/G		0.126		1.00	22.6
3.1.17.R.5	SAMPLE	42341	385070	Carbon-14	R	EPA EERF C-01 Modified	0.232	0.868	14762-75-5	PCI/G	U	1.48	2.00	1.00	22.6
3.1.17.R.5	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.00	0.114	10045-97-3	PCI/G		0.0654	0.100	1.00	22.6
3.1.17.R.5	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00885	0.0356	10198-40-0	PCI/G	U	0.0759		1.00	22.6
3.1.17.R.5	SAMPLE	42332	385070	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0421	OER-100-93	PCI/G		0.0627	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42332	385070	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.0144	0.0647		PCI/G	U	0.126	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42332	385070	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0417	0.0715		PCI/G		0.0626	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0489	0.137	15585-10-1	PCI/G	U	0.255		1.00	22.7
3.1.17.R.5	SAMPLE	42340	385070	Iodine-129	R	DOE EML HASL-300, I-01 Modified	-0.067	0.270	15046-84-1	PCI/G	U	0.491	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.133	15092-94-1	PCI/G		0.105		1.00	22.7
3.1.17.R.5	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.183	15067-28-4	PCI/G		0.341		1.00	22.7
3.1.17.R.5	SAMPLE	42331	385070	Neptunium-237	R	ASTM C 1476-00 Modified	-0.0887	0.206	13994-20-2	PCI/G	U	0.609	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42331	385070	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0726	0.0919	13981-16-3	PCI/G		0.114	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42331	385070	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.0437	0.105	OER-100-70	PCI/G	U	0.190	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42333	385070	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-3.38	6.49	14119-32-5	PCI/G	U	11.4	15.0	1.00	22.7
3.1.17.R.5	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.9	1.52	13966-00-2	PCI/G		0.732		1.00	22.7
3.1.17.R.5	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.773	14331-85-2	PCI/G	UI	0.968		1.00	22.7
3.1.17.R.5	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.800	0.174	13982-63-3	PCI/G		0.126		1.00	22.7
3.1.17.R.5	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.968	0.302	15262-20-1	PCI/G		0.294		1.00	22.7
3.1.17.R.5	SAMPLE	42340	385070	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.358	0.742	10098-97-2	PCI/G	U	1.53	2.00	1.00	22.7
3.1.17.R.5	SAMPLE	42337	385070	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	1.12	1.58	14133-76-7	PCI/G	U	2.67	5.00	1.00	22.7
3.1.17.R.5	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.352	0.073	14913-50-9	PCI/G		0.0627		1.00	22.7
3.1.17.R.5	SAMPLE	42332	385070	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.05	0.517	14274-82-9	PCI/G		0.501	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42332	385070	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.0144	0.151	15594-54-4	PCI/G	U	0.314	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42332	385070	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.924	0.439	14269-63-7	PCI/G		0.154	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42332	385070	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.33	0.522	7440-29-1	PCI/G		0.154	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.134		PCI/G	UI	0.137		1.00	22.7
3.1.17.R.5	SAMPLE	42340	385070	Tritium	R	EPA 906.0 Modified	1.90	1.91	10028-17-8	PCI/G		3.14	6.00	1.00	22.7

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.17.R.5	SAMPLE	42332	385070	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0135	0.0953	14158-29-3	PCI/G	U	0.196	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42332	385070	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	1.05	0.329	13968-55-3/139	PCI/G		0.143	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42332	385070	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0456	0.0897	15117-96-1/139	PCI/G		0.124	1.00	1.00	22.7
3.1.17.R.5	SAMPLE	42332	385070	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.956	0.312	7440-61-1	PCI/G		0.0775	1.00	1.00	22.7
3.1.17.R.6	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0212	0.279	14952-40-0	PCI/G	U	0.529		1.00	22.7
3.1.17.R.6	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.0	3.12	12587-46-1	PCI/G		3.98	4.00	1.00	22.7
3.1.17.R.6	SAMPLE	42332	385070	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	-0.00355	0.0306	14596-10-2	PCI/G	U	0.0708	1.00	1.00	22.7
3.1.17.R.6	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00335	0.116	14234-35-6	PCI/G	U	0.187		1.00	22.7
3.1.17.R.6	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.6	2.41	12587-47-2	PCI/G		2.84	10.0	1.00	20.5
3.1.17.R.6	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.669	14913-49-6	PCI/G	UI	1.30		1.00	20.5
3.1.17.R.6	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.634	0.133	14733-03-0	PCI/G		0.118		1.00	20.5
3.1.17.R.6	SAMPLE	42341	385070	Carbon-14	R	EPA EERF C-01 Modified	-0.435	0.836	14762-75-5	PCI/G	U	1.45	2.00	1.00	20.5
3.1.17.R.6	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.661	0.111	10045-97-3	PCI/G		0.0858	0.100	1.00	20.5
3.1.17.R.6	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.015	0.0369	10198-40-0	PCI/G	U	0.0681		1.00	20.5
3.1.17.R.6	SAMPLE	42332	385070	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0341	OER-100-93	PCI/G		0.0508	1.00	1.00	20.5
3.1.17.R.6	SAMPLE	42332	385070	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.000584	0.0433		PCI/G	U	0.0963	1.00	1.00	20.5
3.1.17.R.6	SAMPLE	42332	385070	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.186	0.115		PCI/G	X	0.0507	1.00	1.00	20.5
3.1.17.R.6	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0303	0.122	15585-10-1	PCI/G	U	0.229		1.00	20.5
3.1.17.R.6	SAMPLE	42340	385070	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.0593	0.280	15046-84-1	PCI/G	U	0.554	1.00	1.00	20.5
3.1.17.R.6	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.130	15092-94-1	PCI/G		0.112		1.00	20.5
3.1.17.R.6	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.194	15067-28-4	PCI/G		0.342		1.00	20.5
3.1.17.R.6	SAMPLE	42331	385070	Neptunium-237	R	ASTM C 1476-00 Modified	-0.181	0.189	13994-20-2	PCI/G	U	0.656	1.00	1.00	20.5
3.1.17.R.6	SAMPLE	42331	385070	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	-0.00502	0.0433	13981-16-3	PCI/G	U	0.100	1.00	1.00	20.5
3.1.17.R.6	SAMPLE	42331	385070	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0301	0.0486	OER-100-70	PCI/G	U	0.155	1.00	1.00	20.5
3.1.17.R.6	SAMPLE	42333	385070	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-3.4	7.08	14119-32-5	PCI/G	U	12.4	15.0	1.00	20.5
3.1.17.R.6	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.6	1.48	13966-00-2	PCI/G		0.719		1.00	22.4
3.1.17.R.6	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.524	14331-85-2	PCI/G	UI	1.09		1.00	22.4
3.1.17.R.6	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.634	0.133	13982-63-3	PCI/G		0.118		1.00	22.4
3.1.17.R.6	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.275	15262-20-1	PCI/G	UI	0.550		1.00	22.4
3.1.17.R.6	SAMPLE	42340	385070	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.244	0.623	10098-97-2	PCI/G	U	1.31	2.00	1.00	22.4
3.1.17.R.6	SAMPLE	42337	385070	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	1.73	1.69	14133-76-7	PCI/G		2.82	5.00	1.00	22.4
3.1.17.R.6	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.258	0.0808	14913-50-9	PCI/G		0.0782		1.00	22.4
3.1.17.R.6	SAMPLE	42332	385070	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.41	0.530	14274-82-9	PCI/G		0.336	1.00	1.00	22.4
3.1.17.R.6	SAMPLE	42332	385070	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	-0.0111	0.0957	15594-54-4	PCI/G	U	0.222	1.00	1.00	22.4
3.1.17.R.6	SAMPLE	42332	385070	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.773	0.385	14269-63-7	PCI/G		0.221	1.00	1.00	22.4
3.1.17.R.6	SAMPLE	42332	385070	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.08	0.452	7440-29-1	PCI/G		0.255	1.00	1.00	22.4
3.1.17.R.6	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.130		PCI/G	UI	0.159		1.00	22.4
3.1.17.R.6	SAMPLE	42340	385070	Tritium	R	EPA 906.0 Modified	-0.0268	1.65	10028-17-8	PCI/G	U	3.19	6.00	1.00	22.4
3.1.17.R.6	SAMPLE	42332	385070	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0643	0.0953	14158-29-3	PCI/G		0.139	1.00	1.00	22.4
3.1.17.R.6	SAMPLE	42332	385070	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	1.20	0.361	13968-55-3/139	PCI/G		0.131	1.00	1.00	22.4
3.1.17.R.6	SAMPLE	42332	385070	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.110	0.121	15117-96-1/139	PCI/G		0.0824	1.00	1.00	22.4
3.1.17.R.6	SAMPLE	42332	385070	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.767	0.289	7440-61-1	PCI/G		0.0822	1.00	1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.103	0.301	14952-40-0	PCI/G	U	0.588		1.00	22.4

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.18.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	7.56	2.42	12587-46-1	PCI/G		3.21	4.00	1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00129	0.121	14234-35-6	PCI/G	U	0.227		1.00	22.4
3.1.18.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.5	2.39	12587-47-2	PCI/G		2.63	10.0	1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.661	14913-49-6	PCI/G	UI	1.33		1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.866	0.181	14733-03-0	PCI/G		0.167		1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.127	10045-97-3	PCI/G		0.0633	0.100	1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0372	10198-40-0	PCI/G	UI	0.0807		1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00261	0.116	15585-10-1	PCI/G	U	0.229		1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.773	0.156	15092-94-1	PCI/G		0.173		1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.978	0.184	15067-28-4	PCI/G		0.332		1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.8	1.49	13966-00-2	PCI/G		0.717		1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.367	0.587	14331-85-2	PCI/G	U	1.11		1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.866	0.181	13982-63-3	PCI/G		0.167		1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.279	15262-20-1	PCI/G		0.306		1.00	22.4
3.1.18.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.291	0.107	14913-50-9	PCI/G		0.065		1.00	18.3
3.1.18.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.244		PCI/G	UI	0.251		1.00	18.3
3.1.18.R.2	SAMPLE	42387	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.253	0.334	"14952-40-0"	PCI/G	U	0.569		1.00	18.3
3.1.18.R.2	SAMPLE	42405	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.314	"14952-40-0"	PCI/G	UI	0.634		1.00	18.3
3.1.18.R.2	SAMPLE	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.5	3.28	"12587-46-1"	PCI/G		3.91	4.00	1.00	18.3
3.1.18.R.2	SAMPLE	42387	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0375	0.134	"14234-35-6"	PCI/G	U	0.257		1.00	18.3
3.1.18.R.2	SAMPLE	42405	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0409	0.135	"14234-35-6"	PCI/G	U	0.240		1.00	18.3
3.1.18.R.2	SAMPLE	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.3	2.52	"12587-47-2"	PCI/G		2.77	10.0	1.00	18.3
3.1.18.R.2	SAMPLE	42387	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.710	"14913-49-6"	PCI/G	UI	1.09		1.00	18.3
3.1.18.R.2	SAMPLE	42405	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.807	"14913-49-6"	PCI/G	UI	1.43		1.00	18.3
3.1.18.R.2	SAMPLE	42387	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.704	0.181	"14733-03-0"	PCI/G		0.163		1.00	18.3
3.1.18.R.2	SAMPLE	42405	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.799	0.183	"14733-03-0"	PCI/G		0.165		1.00	18.3
3.1.18.R.2	SAMPLE	42387	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.89	0.172	"10045-97-3"	PCI/G		0.0808	0.100	1.00	18.3
3.1.18.R.2	SAMPLE	42405	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.83	0.160	"10045-97-3"	PCI/G		0.0837	0.100	1.00	18.3
3.1.18.R.2	SAMPLE	42387	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0257	0.0502	"10198-40-0"	PCI/G	U	0.0877		1.00	18.3
3.1.18.R.2	SAMPLE	42405	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.019	0.0421	"10198-40-0"	PCI/G	U	0.0844		1.00	18.3
3.1.18.R.2	SAMPLE	42387	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0103	0.140	"15585-10-1"	PCI/G	U	0.270		1.00	18.3
3.1.18.R.2	SAMPLE	42405	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0126	0.129	"15585-10-1"	PCI/G	U	0.250		1.00	19.4
3.1.18.R.2	SAMPLE	42387	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.948	0.133	"15092-94-1"	PCI/G		0.133		1.00	19.4
3.1.18.R.2	SAMPLE	42405	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.985	0.135	"15092-94-1"	PCI/G		0.123		1.00	19.4
3.1.18.R.2	SAMPLE	42387	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.685	0.205	"15067-28-4"	PCI/G		0.186		1.00	19.4
3.1.18.R.2	SAMPLE	42405	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.923	0.230	"15067-28-4"	PCI/G		0.187		1.00	19.4
3.1.18.R.2	SAMPLE	42387	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.1	1.42	"13966-00-2"	PCI/G		0.593		1.00	19.4
3.1.18.R.2	SAMPLE	42405	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.1	1.54	"13966-00-2"	PCI/G		0.661		1.00	19.4
3.1.18.R.2	SAMPLE	42387	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.385	0.787	"14331-85-2"	PCI/G	U	1.29		1.00	19.4
3.1.18.R.2	SAMPLE	42405	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.924	"14331-85-2"	PCI/G	UI	1.23		1.00	19.4
3.1.18.R.2	SAMPLE	42387	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.704	0.181	"13982-63-3"	PCI/G		0.163		1.00	19.4
3.1.18.R.2	SAMPLE	42405	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.799	0.183	"13982-63-3"	PCI/G		0.165		1.00	19.4
3.1.18.R.2	SAMPLE	42387	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.16	0.349	"15262-20-1"	PCI/G		0.304		1.00	19.4

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.18.R.2	SAMPLE	42405	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.301	="15262-20-1"	PCI/G		0.340		1.00	19.4
3.1.18.R.2	SAMPLE	42387	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.248	0.0833	="14913-50-9"	PCI/G		0.088		1.00	19.4
3.1.18.R.2	SAMPLE	42405	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.333	0.0799	="14913-50-9"	PCI/G		0.0783		1.00	19.4
3.1.18.R.2	SAMPLE	42387	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.139	=""	PCI/G	UI	0.192		1.00	19.4
3.1.18.R.2	SAMPLE	42405	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0199	0.195	=""	PCI/G	U	0.193		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00874	0.244	14952-40-0	PCI/G	U	0.468		1.00	19.4
3.1.19.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.7	3.57	12587-46-1	PCI/G		3.83	4.00	1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0461	0.0992	14234-35-6	PCI/G	U	0.177		1.00	19.4
3.1.19.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	19.9	2.73	12587-47-2	PCI/G		3.13	10.0	1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.746	14913-49-6	PCI/G	UI	1.21		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.779	0.132	14733-03-0	PCI/G		0.111		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.109	10045-97-3	PCI/G		0.0739	0.100	1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00812	0.0401	10198-40-0	PCI/G	U	0.0765		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.92E-05	0.111	15585-10-1	PCI/G	U	0.211		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.127	15092-94-1	PCI/G		0.111		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.970	0.202	15067-28-4	PCI/G		0.137		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.9	1.41	13966-00-2	PCI/G		0.581		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.559	14331-85-2	PCI/G	UI	0.891		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.779	0.132	13982-63-3	PCI/G		0.111		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.277	15262-20-1	PCI/G		0.263		1.00	19.4
3.1.19.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.325	0.0871	14913-50-9	PCI/G		0.0669		1.00	21.9
3.1.19.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.139		PCI/G	UI	0.133		1.00	21.9
3.1.19.R.2	SAMPLE	42387	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.116	0.279	="14952-40-0"	PCI/G	U	0.498		1.00	21.9
3.1.19.R.2	SAMPLE	42405	389296	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0926	0.307	="14952-40-0"	PCI/G	U	0.597		1.00	21.9
3.1.19.R.2	SAMPLE	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	7.32	3.21	="12587-46-1"	PCI/G		3.70	4.00	1.00	21.9
3.1.19.R.2	SAMPLE	42387	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00536	0.119	="14234-35-6"	PCI/G	U	0.214		1.00	21.9
3.1.19.R.2	SAMPLE	42405	389296	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.060	0.138	="14234-35-6"	PCI/G	U	0.266		1.00	21.9
3.1.19.R.2	SAMPLE	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.8	3.00	="12587-47-2"	PCI/G		2.86	10.0	1.00	21.9
3.1.19.R.2	SAMPLE	42387	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.810	="14913-49-6"	PCI/G	UI	1.29		1.00	21.9
3.1.19.R.2	SAMPLE	42405	389296	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.19	="14913-49-6"	PCI/G	UI	1.78		1.00	21.9
3.1.19.R.2	SAMPLE	42387	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.849	0.161	="14733-03-0"	PCI/G		0.124		1.00	21.9
3.1.19.R.2	SAMPLE	42405	389296	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.722	0.197	="14733-03-0"	PCI/G		0.175		1.00	21.9
3.1.19.R.2	SAMPLE	42387	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.51	0.129	="10045-97-3"	PCI/G		0.0771	0.100	1.00	21.9
3.1.19.R.2	SAMPLE	42405	389296	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.46	0.152	="10045-97-3"	PCI/G		0.0917	0.100	1.00	21.9
3.1.19.R.2	SAMPLE	42387	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0135	0.035	="10198-40-0"	PCI/G	U	0.0755		1.00	21.9
3.1.19.R.2	SAMPLE	42405	389296	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0033	0.0361	="10198-40-0"	PCI/G	U	0.0752		1.00	21.9
3.1.19.R.2	SAMPLE	42387	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.108	0.104	="15585-10-1"	PCI/G	U	0.166		1.00	21.9
3.1.19.R.2	SAMPLE	42405	389296	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0518	0.163	="15585-10-1"	PCI/G	U	0.339		1.00	22.1
3.1.19.R.2	SAMPLE	42387	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.17	0.131	="15092-94-1"	PCI/G		0.126		1.00	22.1
3.1.19.R.2	SAMPLE	42405	389296	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.818	0.231	="15092-94-1"	PCI/G		0.157		1.00	22.1
3.1.19.R.2	SAMPLE	42387	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.967	0.186	="15067-28-4"	PCI/G		0.160		1.00	22.1
3.1.19.R.2	SAMPLE	42405	389296	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.22	0.207	="15067-28-4"	PCI/G		0.391		1.00	22.1
3.1.19.R.2	SAMPLE	42387	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.0	1.58	="13966-00-2"	PCI/G		0.710		1.00	22.1

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.19.R.2	SAMPLE	42405	389296	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.7	1.74	="13966-00-2"	PCI/G		0.721		1.00	22.1
3.1.19.R.2	SAMPLE	42387	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.912	="14331-85-2"	PCI/G	UI	0.923		1.00	22.1
3.1.19.R.2	SAMPLE	42405	389296	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00463	0.664	="14331-85-2"	PCI/G	U	1.16		1.00	22.1
3.1.19.R.2	SAMPLE	42387	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.849	0.161	="13982-63-3"	PCI/G		0.124		1.00	22.1
3.1.19.R.2	SAMPLE	42405	389296	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.722	0.197	="13982-63-3"	PCI/G		0.175		1.00	22.1
3.1.19.R.2	SAMPLE	42387	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.898	0.347	="15262-20-1"	PCI/G		0.286		1.00	22.1
3.1.19.R.2	SAMPLE	42405	389296	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.267	="15262-20-1"	PCI/G		0.344		1.00	22.1
3.1.19.R.2	SAMPLE	42387	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.222	0.0855	="14913-50-9"	PCI/G		0.0724		1.00	22.1
3.1.19.R.2	SAMPLE	42405	389296	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.335	0.105	="14913-50-9"	PCI/G		0.0929		1.00	22.1
3.1.19.R.2	SAMPLE	42387	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.120	=""	PCI/G	UI	0.154		1.00	22.1
3.1.19.R.2	SAMPLE	42405	389296	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.134	=""	PCI/G	UI	0.200		1.00	22.1
3.1.2.E.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.191	0.425	14952-40-0	PCI/G	U	0.725		1.00	22.1
3.1.2.E.1	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.0	2.33	12587-46-1	PCI/G		2.32	4.00	1.00	22.1
3.1.2.E.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0535	0.173	14234-35-6	PCI/G	U	0.313		1.00	22.1
3.1.2.E.1	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	28.1	1.79	12587-47-2	PCI/G		1.65	10.0	1.00	22.1
3.1.2.E.1	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.19	14913-49-6	PCI/G	UI	2.54		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.908	0.289	14733-03-0	PCI/G		0.232		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.29	0.178	10045-97-3	PCI/G		0.140	0.100	1.00	22.1
3.1.2.E.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.29	0.178	10045-97-3	PCI/G		0.140	0.100	1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0116	0.0694	10198-40-0	PCI/G	U	0.148		1.00	22.1
3.1.2.E.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0116	0.0694	10198-40-0	PCI/G	U	0.148		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0344	0.189	15585-10-1	PCI/G	U	0.399		1.00	22.1
3.1.2.E.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0344	0.189	15585-10-1	PCI/G	U	0.399		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.190	15092-94-1	PCI/G		0.188		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.257	15067-28-4	PCI/G		0.481		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	17.0	2.32	13966-00-2	PCI/G		1.01		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.740	1.31	14331-85-2	PCI/G	U	1.36		1.00	22.1
3.1.2.E.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.31	14331-85-2	PCI/G	UI	1.36		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.908	0.289	13982-63-3	PCI/G		0.232		1.00	22.1
3.1.2.E.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.908	0.289	13982-63-3	PCI/G		0.232		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.469	15262-20-1	PCI/G		0.550		1.00	22.1
3.1.2.E.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.469	15262-20-1	PCI/G		0.550		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.407	0.125	14913-50-9	PCI/G		0.105		1.00	18.1
3.1.2.E.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0958	0.170		PCI/G	U	0.240		1.00	22.1
3.1.2.E.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0958	0.170		PCI/G	U	0.240		1.00	18.1
3.1.2.E.2	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.095	0.430	14952-40-0	PCI/G	U	0.680		1.00	18.1
3.1.2.E.2	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.095	0.430	14952-40-0	PCI/G	U	0.680		1.00	16.6
3.1.2.E.2	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.1	2.71	12587-46-1	PCI/G		2.94	4.00	1.00	18.1
3.1.2.E.2	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.1	2.71	12587-46-1	PCI/G		2.94	4.00	1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.141	0.169	14234-35-6	PCI/G	U	0.277		1.00	18.1
3.1.2.E.2	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.141	0.169	14234-35-6	PCI/G	U	0.277		1.00	16.6
3.1.2.E.2	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	27.8	1.76	12587-47-2	PCI/G		1.75	10.0	1.00	18.1
3.1.2.E.2	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	27.8	1.76	12587-47-2	PCI/G		1.75	10.0	1.00	16.6

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.2.E.2	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.21	0.893	14913-49-6	PCI/G		1.39		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.22	0.231	14733-03-0	PCI/G		0.173		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.83	0.202	10045-97-3	PCI/G		0.0876	0.100	1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0139	0.0613	10198-40-0	PCI/G	U	0.116		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.131	0.183	15585-10-1	PCI/G	U	0.318		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.38	0.164	15092-94-1	PCI/G		0.159		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.44	0.272	15067-28-4	PCI/G		0.223		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	16.9	2.05	13966-00-2	PCI/G		1.16		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.12	14331-85-2	PCI/G	UI	1.32		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.22	0.231	13982-63-3	PCI/G		0.173		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.31	0.373	15262-20-1	PCI/G		0.363		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.358	0.117	14913-50-9	PCI/G		0.0943		1.00	16.6
3.1.2.E.2	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.167		PCI/G	UI	0.178		1.00	16.6
3.1.2.E.4	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0258	0.374	14952-40-0	PCI/G	U	0.618		1.00	16.6
3.1.2.E.4	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0258	0.374	14952-40-0	PCI/G	U	0.618		1.00	100
3.1.2.E.4	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.4	2.07	12587-46-1	PCI/G		2.11	4.00	1.00	16.6
3.1.2.E.4	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.4	2.07	12587-46-1	PCI/G		2.11	4.00	1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0434	0.129	14234-35-6	PCI/G	U	0.244		1.00	16.6
3.1.2.E.4	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0434	0.129	14234-35-6	PCI/G	U	0.244		1.00	100
3.1.2.E.4	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	26.5	1.88	12587-47-2	PCI/G		2.13	10.0	1.00	16.6
3.1.2.E.4	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	26.5	1.88	12587-47-2	PCI/G		2.13	10.0	1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.816	14913-49-6	PCI/G	UI	1.66		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.06	0.188	14733-03-0	PCI/G		0.170		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.111	0.0628	10045-97-3	PCI/G	U	0.134	0.100	1.00	16.6
3.1.2.E.4	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0628	10045-97-3	PCI/G	UI	0.134	0.100	1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00513	0.0445	10198-40-0	PCI/G	U	0.0869		1.00	16.6
3.1.2.E.4	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00513	0.0445	10198-40-0	PCI/G	U	0.0869		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0586	0.159	15585-10-1	PCI/G	U	0.289		1.00	16.6
3.1.2.E.4	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0586	0.159	15585-10-1	PCI/G	U	0.289		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.35	0.161	15092-94-1	PCI/G		0.138		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.210	15067-28-4	PCI/G		0.178		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	17.5	2.06	13966-00-2	PCI/G		1.04		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.30	14331-85-2	PCI/G	UI	1.17		1.00	16.6
3.1.2.E.4	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.30	14331-85-2	PCI/G	UI	1.17		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.06	0.188	13982-63-3	PCI/G		0.170		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.06	0.188	13982-63-3	PCI/G		0.170		1.00	21
3.1.2.E.4	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.41	0.325	15262-20-1	PCI/G		0.315		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.41	0.325	15262-20-1	PCI/G		0.315		1.00	21
3.1.2.E.4	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.419	0.112	14913-50-9	PCI/G		0.0828		1.00	21
3.1.2.E.4	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.184		PCI/G	UI	0.184		1.00	100
3.1.2.E.4	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.184		PCI/G	UI	0.184		1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0414	0.268	14952-40-0	PCI/G	U	0.502		1.00	21
3.1.20.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.1	3.49	12587-46-1	PCI/G		3.10	4.00	1.00	21

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.20.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0855	0.0966	14234-35-6	PCI/G	U	0.196		1.00	21
3.1.20.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.6	2.76	12587-47-2	PCI/G		3.03	10.0	1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.844	14913-49-6	PCI/G	UI	1.24		1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.833	0.172	14733-03-0	PCI/G		0.143		1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.414	0.089	10045-97-3	PCI/G		0.0777	0.100	1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0164	0.0362	10198-40-0	PCI/G	U	0.078		1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0284	0.128	15585-10-1	PCI/G	U	0.256		1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.137	15092-94-1	PCI/G		0.128		1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.00	0.211	15067-28-4	PCI/G		0.326		1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.5	1.39	13966-00-2	PCI/G		0.685		1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.326	0.607	14331-85-2	PCI/G	U	0.921		1.00	21
3.1.20.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.833	0.172	13982-63-3	PCI/G		0.143		1.00	20.6
3.1.20.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.03	0.249	15262-20-1	PCI/G		0.234		1.00	20.6
3.1.20.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.309	0.0722	14913-50-9	PCI/G		0.0634		1.00	20.6
3.1.20.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.123		PCI/G	UI	0.162		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.181	0.316	14952-40-0	PCI/G	U	0.601		1.00	20.6
3.1.21.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	8.73	2.97	12587-46-1	PCI/G		3.65	4.00	1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0507	0.113	14234-35-6	PCI/G	U	0.206		1.00	20.6
3.1.21.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.0	3.05	12587-47-2	PCI/G		3.31	10.0	1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.427	0.688	14913-49-6	PCI/G	U	1.33		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.649	0.195	14733-03-0	PCI/G		0.161		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.824	0.112	10045-97-3	PCI/G		0.086	0.100	1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00202	0.038	10198-40-0	PCI/G	U	0.0739		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0258	0.163	15585-10-1	PCI/G	U	0.272		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.33	0.146	15092-94-1	PCI/G		0.125		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.942	0.189	15067-28-4	PCI/G		0.164		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.0	1.41	13966-00-2	PCI/G		0.449		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.232	0.665	14331-85-2	PCI/G	U	1.09		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.649	0.195	13982-63-3	PCI/G		0.161		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.857	0.408	15262-20-1	PCI/G		0.270		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.257	0.0692	14913-50-9	PCI/G		0.0679		1.00	20.6
3.1.21.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.127		PCI/G	UI	0.171		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0269	0.308	"14952-40-0"	PCI/G	U	0.569		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.128	0.236	"14952-40-0"	PCI/G	U	0.430		1.00	20.6
3.1.21.R.2	SAMPLE	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.3	4.01	"12587-46-1"	PCI/G		3.78	4.00	1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0419	0.135	"14234-35-6"	PCI/G	U	0.254		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.127	0.111	"14234-35-6"	PCI/G	U	0.181		1.00	20.6
3.1.21.R.2	SAMPLE	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	24.1	3.57	"12587-47-2"	PCI/G		3.40	10.0	1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.938	"14913-49-6"	PCI/G	UI	1.39		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.887	"14913-49-6"	PCI/G	UI	1.50		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.824	0.185	"14733-03-0"	PCI/G		0.166		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.733	0.167	"14733-03-0"	PCI/G		0.145		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.153	"10045-97-3"	PCI/G		0.100	0.100	1.00	20.6

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.21.R.2	SAMPLE	42405	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.24	0.122	="10045-97-3"	PCI/G		0.0765	0.100	1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.026	0.0503	="10198-40-0"	PCI/G	U	0.0928		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.038	0.0351	="10198-40-0"	PCI/G	U	0.0529		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0303	0.129	="15585-10-1"	PCI/G	U	0.251		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0486	0.139	="15585-10-1"	PCI/G	U	0.259		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.977	0.134	="15092-94-1"	PCI/G		0.136		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.116	="15092-94-1"	PCI/G		0.100		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.875	0.182	="15067-28-4"	PCI/G		0.342		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.908	0.148	="15067-28-4"	PCI/G		0.153		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.8	1.67	="13966-00-2"	PCI/G		0.701		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.3	1.44	="13966-00-2"	PCI/G		0.681		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.202	0.680	="14331-85-2"	PCI/G	U	1.14		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.787	="14331-85-2"	PCI/G		0.841		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.824	0.185	="13982-63-3"	PCI/G		0.166		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.733	0.167	="13982-63-3"	PCI/G		0.145		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.769	0.313	="15262-20-1"	PCI/G		0.333		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.835	0.307	="15262-20-1"	PCI/G		0.224		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.326	0.0958	="14913-50-9"	PCI/G		0.0754		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.309	0.0688	="14913-50-9"	PCI/G		0.0771		1.00	20.6
3.1.21.R.2	SAMPLE	42387	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0757	0.192	=""	PCI/G	U	0.232		1.00	20.6
3.1.21.R.2	SAMPLE	42405	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.131	=""	PCI/G	UI	0.113		1.00	20.6
3.1.21.R.2	MSD	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	92.4	13.5	="12587-46-1"	%		5.74	4.00	1.00	20.6
3.1.21.R.2	MSD	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	114	16.9	="12587-47-2"	%		5.17	10.0	1.00	20.6
3.1.21.R.2	MS	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	86.4	14.2	="12587-46-1"	%		7.29	4.00	1.00	20.6
3.1.21.R.2	MS	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	113	18.1	="12587-47-2"	%		4.95	10.0	1.00	20.6
3.1.21.R.2	DUP	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.0	4.68	="12587-46-1"	PCI/G		3.83	4.00	1.00	20.6
3.1.21.R.2	DUP	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.6	3.53	="12587-47-2"	PCI/G		2.89	10.0	1.00	20.6
3.1.22.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.051	0.245	14952-40-0	PCI/G	U	0.455		1.00	21
3.1.22.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.9	3.20	12587-46-1	PCI/G		2.53	4.00	1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0519	0.0931	14234-35-6	PCI/G	U	0.181		1.00	21
3.1.22.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.4	3.09	12587-47-2	PCI/G		3.20	10.0	1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.763	14913-49-6	PCI/G	UI	1.13		1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.875	0.143	14733-03-0	PCI/G		0.117		1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.121	10045-97-3	PCI/G		0.0595	0.100	1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00936	0.0338	10198-40-0	PCI/G	U	0.0641		1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0211	0.110	15585-10-1	PCI/G	U	0.180		1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.123	15092-94-1	PCI/G		0.103		1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.971	0.194	15067-28-4	PCI/G		0.129		1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.4	1.35	13966-00-2	PCI/G		0.618		1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.795	14331-85-2	PCI/G	UI	0.872		1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.875	0.143	13982-63-3	PCI/G		0.117		1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.927	0.258	15262-20-1	PCI/G		0.245		1.00	21
3.1.22.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.293	0.0704	14913-50-9	PCI/G		0.059		1.00	21

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.22.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.109		PCI/G	UI	0.133		1.00	21
3.1.22.R.2	SAMPLE	42387	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0982	0.337	="14952-40-0"	PCI/G	U	0.637		1.00	21
3.1.22.R.2	SAMPLE	42405	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.133	0.371	="14952-40-0"	PCI/G	U	0.693		1.00	21
3.1.22.R.2	SAMPLE	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.8	4.32	="12587-46-1"	PCI/G		3.86	4.00	1.00	21
3.1.22.R.2	SAMPLE	42387	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0112	0.123	="14234-35-6"	PCI/G	U	0.233		1.00	21
3.1.22.R.2	SAMPLE	42405	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0714	0.154	="14234-35-6"	PCI/G	U	0.277		1.00	21
3.1.22.R.2	SAMPLE	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	30.8	3.49	="12587-47-2"	PCI/G		2.56	10.0	1.00	21
3.1.22.R.2	SAMPLE	42387	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.771	="14913-49-6"	PCI/G	UI	1.49		1.00	21
3.1.22.R.2	SAMPLE	42405	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.475	1.08	="14913-49-6"	PCI/G	U	1.83		1.00	21
3.1.22.R.2	SAMPLE	42387	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.529	0.192	="14733-03-0"	PCI/G		0.170		1.00	21
3.1.22.R.2	SAMPLE	42405	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.821	0.239	="14733-03-0"	PCI/G		0.195		1.00	21
3.1.22.R.2	SAMPLE	42387	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.27	0.155	="10045-97-3"	PCI/G		0.101	0.100	1.00	21
3.1.22.R.2	SAMPLE	42405	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.37	0.178	="10045-97-3"	PCI/G		0.111	0.100	1.00	21
3.1.22.R.2	SAMPLE	42387	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.04	0.052	="10198-40-0"	PCI/G	U	0.0861		1.00	21
3.1.22.R.2	SAMPLE	42405	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0299	0.0619	="10198-40-0"	PCI/G	U	0.140		1.00	21
3.1.22.R.2	SAMPLE	42387	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0655	0.162	="15585-10-1"	PCI/G	U	0.289		1.00	21
3.1.22.R.2	SAMPLE	42405	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0619	0.148	="15585-10-1"	PCI/G	U	0.285		1.00	21
3.1.22.R.2	SAMPLE	42387	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.832	0.174	="15092-94-1"	PCI/G		0.169		1.00	21
3.1.22.R.2	SAMPLE	42405	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.891	0.182	="15092-94-1"	PCI/G		0.172		1.00	21
3.1.22.R.2	SAMPLE	42387	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.815	0.223	="15067-28-4"	PCI/G		0.195		1.00	21
3.1.22.R.2	SAMPLE	42405	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.774	0.230	="15067-28-4"	PCI/G		0.224		1.00	21
3.1.22.R.2	SAMPLE	42387	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.9	1.59	="13966-00-2"	PCI/G		0.593		1.00	21
3.1.22.R.2	SAMPLE	42405	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.8	1.97	="13966-00-2"	PCI/G		1.21		1.00	20.5
3.1.22.R.2	SAMPLE	42387	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.505	1.05	="14331-85-2"	PCI/G	U	1.26		1.00	20.5
3.1.22.R.2	SAMPLE	42405	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.720	="14331-85-2"	PCI/G	UI	1.44		1.00	20.5
3.1.22.R.2	SAMPLE	42387	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.529	0.192	="13982-63-3"	PCI/G		0.170		1.00	20.5
3.1.22.R.2	SAMPLE	42405	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.821	0.239	="13982-63-3"	PCI/G		0.195		1.00	20.5
3.1.22.R.2	SAMPLE	42387	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.14	0.354	="15262-20-1"	PCI/G		0.265		1.00	20.5
3.1.22.R.2	SAMPLE	42405	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.449	="15262-20-1"	PCI/G		0.319		1.00	20.5
3.1.22.R.2	SAMPLE	42387	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.284	0.0985	="14913-50-9"	PCI/G		0.0937		1.00	20.5
3.1.22.R.2	SAMPLE	42405	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.359	0.119	="14913-50-9"	PCI/G		0.0914		1.00	20.5
3.1.22.R.2	SAMPLE	42387	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.143	=""	PCI/G	UI	0.200		1.00	20.5
3.1.22.R.2	SAMPLE	42405	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.168	=""	PCI/G	UI	0.186		1.00	20.5
3.1.22.R.2	MSD	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	107	14.2	="12587-46-1"	%		6.31	4.00	1.00	19.8
3.1.22.R.2	MSD	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	107	14.2	="12587-46-1"	%		6.31	4.00	1.00	19.8
3.1.22.R.2	MSD	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	108	14.3	="12587-47-2"	%		3.72	10.0	1.00	19.8
3.1.22.R.2	MSD	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	108	14.3	="12587-47-2"	%		3.72	10.0	1.00	19.8
3.1.22.R.2	MS	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	103	14.3	="12587-46-1"	%		5.72	4.00	1.00	19.8
3.1.22.R.2	MS	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	103	14.3	="12587-46-1"	%		5.72	4.00	1.00	19.8
3.1.22.R.2	MS	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	105	14.9	="12587-47-2"	%		3.43	10.0	1.00	19.8
3.1.22.R.2	MS	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	105	14.9	="12587-47-2"	%		3.43	10.0	1.00	19.8
3.1.22.R.2	DUP	42387	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.173	0.321	="14952-40-0"	PCI/G	U	0.566		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0353	0.293	="14952-40-0"	PCI/G	U	0.539		1.00	20.5

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.22.R.2	DUP	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.5	3.81	="12587-46-1"	PCI/G		3.84	4.00	1.00	19.8
3.1.22.R.2	DUP	42395	389296	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.5	3.81	="12587-46-1"	PCI/G		3.84	4.00	1.00	19.8
3.1.22.R.2	DUP	42387	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00239	0.134	="14234-35-6"	PCI/G	U	0.242		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.16	0.126	="14234-35-6"	PCI/G	U	0.210		1.00	20.5
3.1.22.R.2	DUP	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.2	2.90	="12587-47-2"	PCI/G		2.39	10.0	1.00	19.8
3.1.22.R.2	DUP	42395	389296	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.2	2.90	="12587-47-2"	PCI/G		2.39	10.0	1.00	19.8
3.1.22.R.2	DUP	42387	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.761	="14913-49-6"	PCI/G	UI	1.37		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.646	="14913-49-6"	PCI/G	UI	1.30		1.00	20.5
3.1.22.R.2	DUP	42387	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.698	0.153	="14733-03-0"	PCI/G		0.143		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.639	0.174	="14733-03-0"	PCI/G		0.153		1.00	20.5
3.1.22.R.2	DUP	42387	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.29	0.142	="10045-97-3"	PCI/G		0.0835	0.100	1.00	20.5
3.1.22.R.2	DUP	42405	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.40	0.129	="10045-97-3"	PCI/G		0.0786	0.100	1.00	20.5
3.1.22.R.2	DUP	42387	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00598	0.0353	="10198-40-0"	PCI/G	U	0.0704		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.011	0.0487	="10198-40-0"	PCI/G	U	0.0984		1.00	20.5
3.1.22.R.2	DUP	42387	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0667	0.167	="15585-10-1"	PCI/G	U	0.255		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0101	0.157	="15585-10-1"	PCI/G	U	0.298		1.00	20.5
3.1.22.R.2	DUP	42387	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.810	0.129	="15092-94-1"	PCI/G		0.134		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.780	0.144	="15092-94-1"	PCI/G		0.153		1.00	20.5
3.1.22.R.2	DUP	42387	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.208	="15067-28-4"	PCI/G		0.342		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.832	0.194	="15067-28-4"	PCI/G		0.160		1.00	20.5
3.1.22.R.2	DUP	42387	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.0	1.62	="13966-00-2"	PCI/G		0.568		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.7	1.57	="13966-00-2"	PCI/G		0.701		1.00	20.5
3.1.22.R.2	DUP	42387	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0839	0.664	="14331-85-2"	PCI/G	U	1.14		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.753	="14331-85-2"	PCI/G	UI	0.943		1.00	20.5
3.1.22.R.2	DUP	42387	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.698	0.153	="13982-63-3"	PCI/G		0.143		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.639	0.174	="13982-63-3"	PCI/G		0.153		1.00	20.5
3.1.22.R.2	DUP	42387	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.876	0.265	="15262-20-1"	PCI/G		0.238		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.319	="15262-20-1"	PCI/G		0.277		1.00	19.8
3.1.22.R.2	DUP	42387	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.308	0.0785	="14913-50-9"	PCI/G		0.0623		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.232	0.0966	="14913-50-9"	PCI/G		0.0872		1.00	19.8
3.1.22.R.2	DUP	42387	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0469	0.165	=""	PCI/G	U	0.182		1.00	20.5
3.1.22.R.2	DUP	42405	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0683	=""	PCI/G	UI	0.0835		1.00	19.8
3.1.23.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0379	0.295	14952-40-0	PCI/G	U	0.556		1.00	19.8
3.1.23.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.4	3.09	12587-46-1	PCI/G		2.55	4.00	1.00	19.8
3.1.23.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.000438	0.130	14234-35-6	PCI/G	U	0.250		1.00	13.6
3.1.23.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.8	3.44	12587-47-2	PCI/G		4.23	10.0	1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.73	1.34	14913-49-6	PCI/G		1.05		1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.855	0.189	14733-03-0	PCI/G		0.175		1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.39	0.155	10045-97-3	PCI/G		0.116	0.100	1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0434	0.0402	10198-40-0	PCI/G	U	0.104		1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.168	15585-10-1	PCI/G	UI	0.373		1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.11	0.130	15092-94-1	PCI/G		0.120		1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.16	0.236	15067-28-4	PCI/G		0.180		1.00	13.6

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.23.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.1	1.82	13966-00-2	PCI/G		1.06		1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.407	0.672	14331-85-2	PCI/G	U	1.18		1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.855	0.189	13982-63-3	PCI/G		0.175		1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.797	0.383	15262-20-1	PCI/G		0.355		1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.361	0.104	14913-50-9	PCI/G		0.0873		1.00	13.6
3.1.23.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0769		PCI/G	UI	0.136		1.00	13.6
3.1.23.R.2	SAMPLE	42387	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00968	0.302	"14952-40-0"	PCI/G	U	0.562		1.00	13.6
3.1.23.R.2	SAMPLE	42405	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0473	0.305	"14952-40-0"	PCI/G	U	0.583		1.00	13.6
3.1.23.R.2	SAMPLE	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.4	4.45	"12587-46-1"	PCI/G		3.91	4.00	1.00	13.6
3.1.23.R.2	SAMPLE	42387	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0441	0.115	"14234-35-6"	PCI/G	U	0.204		1.00	13.6
3.1.23.R.2	SAMPLE	42405	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0162	0.118	"14234-35-6"	PCI/G	U	0.222		1.00	13.6
3.1.23.R.2	SAMPLE	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	24.2	3.26	"12587-47-2"	PCI/G		2.30	10.0	1.00	13.6
3.1.23.R.2	SAMPLE	42387	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.929	"14913-49-6"	PCI/G	UI	1.26		1.00	13.6
3.1.23.R.2	SAMPLE	42405	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.793	"14913-49-6"	PCI/G	UI	1.35		1.00	13.6
3.1.23.R.2	SAMPLE	42387	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.727	0.161	"14733-03-0"	PCI/G		0.144		1.00	13.6
3.1.23.R.2	SAMPLE	42405	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.875	0.175	"14733-03-0"	PCI/G		0.181		1.00	13.6
3.1.23.R.2	SAMPLE	42387	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.79	0.152	"10045-97-3"	PCI/G		0.0824	0.100	1.00	13.6
3.1.23.R.2	SAMPLE	42405	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.64	0.161	"10045-97-3"	PCI/G		0.0903	0.100	1.00	13.6
3.1.23.R.2	SAMPLE	42387	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0229	0.0394	"10198-40-0"	PCI/G	U	0.0864		1.00	13.6
3.1.23.R.2	SAMPLE	42405	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00501	0.0408	"10198-40-0"	PCI/G	U	0.086		1.00	13.6
3.1.23.R.2	SAMPLE	42387	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0362	0.119	"15585-10-1"	PCI/G	U	0.222		1.00	13.6
3.1.23.R.2	SAMPLE	42405	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0201	0.136	"15585-10-1"	PCI/G	U	0.265		1.00	13.6
3.1.23.R.2	SAMPLE	42387	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.822	0.181	"15092-94-1"	PCI/G		0.157		1.00	13.6
3.1.23.R.2	SAMPLE	42405	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.03	0.136	"15092-94-1"	PCI/G		0.131		1.00	19.9
3.1.23.R.2	SAMPLE	42387	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.785	0.194	"15067-28-4"	PCI/G		0.324		1.00	19.9
3.1.23.R.2	SAMPLE	42405	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.958	0.241	"15067-28-4"	PCI/G		0.356		1.00	19.9
3.1.23.R.2	SAMPLE	42387	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.4	1.42	"13966-00-2"	PCI/G		0.760		1.00	19.9
3.1.23.R.2	SAMPLE	42405	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.7	1.69	"13966-00-2"	PCI/G		0.677		1.00	19.9
3.1.23.R.2	SAMPLE	42387	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.394	0.870	"14331-85-2"	PCI/G	U	1.07		1.00	19.9
3.1.23.R.2	SAMPLE	42405	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.851	"14331-85-2"	PCI/G	UI	1.18		1.00	19.9
3.1.23.R.2	SAMPLE	42387	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.727	0.161	"13982-63-3"	PCI/G		0.144		1.00	19.9
3.1.23.R.2	SAMPLE	42405	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.875	0.175	"13982-63-3"	PCI/G		0.181		1.00	19.9
3.1.23.R.2	SAMPLE	42387	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.00	0.279	"15262-20-1"	PCI/G		0.222		1.00	19.9
3.1.23.R.2	SAMPLE	42405	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.921	0.288	"15262-20-1"	PCI/G		0.277		1.00	19.9
3.1.23.R.2	SAMPLE	42387	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.283	0.0923	"14913-50-9"	PCI/G		0.0789		1.00	19.9
3.1.23.R.2	SAMPLE	42405	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.290	0.0749	"14913-50-9"	PCI/G		0.0767		1.00	19.9
3.1.23.R.2	SAMPLE	42387	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.116	"	PCI/G	UI	0.0981		1.00	19.9
3.1.23.R.2	SAMPLE	42405	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0186	0.156	"	PCI/G	U	0.211		1.00	19.9
3.1.24.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.200	0.247	14952-40-0	PCI/G	U	0.480		1.00	19.9
3.1.24.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.4	3.69	12587-46-1	PCI/G		3.42	4.00	1.00	19.9
3.1.24.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0283	0.0879	14234-35-6	PCI/G	U	0.161		1.00	21
3.1.24.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.2	3.25	12587-47-2	PCI/G		3.39	10.0	1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.809	0.648	14913-49-6	PCI/G		0.762		1.00	21

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.24.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.939	0.133	14733-03-0	PCI/G		0.115		1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.65	0.120	10045-97-3	PCI/G		0.0529	0.100	1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0239	0.031	10198-40-0	PCI/G	U	0.0651		1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0407	0.110	15585-10-1	PCI/G	U	0.194		1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.01	0.121	15092-94-1	PCI/G		0.0984		1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.168	15067-28-4	PCI/G		0.121		1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.7	1.25	13966-00-2	PCI/G		0.562		1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.155	0.552	14331-85-2	PCI/G	U	0.897		1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.939	0.133	13982-63-3	PCI/G		0.115		1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.868	0.242	15262-20-1	PCI/G		0.205		1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.218	0.0745	14913-50-9	PCI/G		0.063		1.00	21
3.1.24.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.134		PCI/G	UI	0.128		1.00	21
3.1.24.R.2	SAMPLE	42387	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.108	0.363	="14952-40-0"	PCI/G	U	0.655		1.00	21
3.1.24.R.2	SAMPLE	42405	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0852	0.315	="14952-40-0"	PCI/G	U	0.579		1.00	21
3.1.24.R.2	SAMPLE	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.5	3.78	="12587-46-1"	PCI/G		3.87	4.00	1.00	21
3.1.24.R.2	SAMPLE	42387	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0309	0.142	="14234-35-6"	PCI/G	U	0.257		1.00	21
3.1.24.R.2	SAMPLE	42405	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0205	0.128	="14234-35-6"	PCI/G	U	0.239		1.00	21
3.1.24.R.2	SAMPLE	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.3	3.36	="12587-47-2"	PCI/G		3.35	10.0	1.00	21
3.1.24.R.2	SAMPLE	42387	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.788	="14913-49-6"	PCI/G	UI	1.44		1.00	21
3.1.24.R.2	SAMPLE	42405	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.402	0.772	="14913-49-6"	PCI/G	U	1.36		1.00	21
3.1.24.R.2	SAMPLE	42387	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.686	0.211	="14733-03-0"	PCI/G		0.162		1.00	21
3.1.24.R.2	SAMPLE	42405	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.857	0.198	="14733-03-0"	PCI/G		0.151		1.00	21
3.1.24.R.2	SAMPLE	42387	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.53	0.168	="10045-97-3"	PCI/G		0.100	0.100	1.00	21
3.1.24.R.2	SAMPLE	42405	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.56	0.170	="10045-97-3"	PCI/G		0.096	0.100	1.00	21
3.1.24.R.2	SAMPLE	42387	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0154	0.0505	="10198-40-0"	PCI/G	U	0.0934		1.00	21
3.1.24.R.2	SAMPLE	42405	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0153	0.053	="10198-40-0"	PCI/G	U	0.108		1.00	21
3.1.24.R.2	SAMPLE	42387	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0257	0.135	="15585-10-1"	PCI/G	U	0.273		1.00	21
3.1.24.R.2	SAMPLE	42405	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0163	0.130	="15585-10-1"	PCI/G	U	0.252		1.00	21
3.1.24.R.2	SAMPLE	42387	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.939	0.144	="15092-94-1"	PCI/G		0.144		1.00	21
3.1.24.R.2	SAMPLE	42405	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.144	="15092-94-1"	PCI/G		0.126		1.00	23.4
3.1.24.R.2	SAMPLE	42387	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.801	0.258	="15067-28-4"	PCI/G		0.180		1.00	23.4
3.1.24.R.2	SAMPLE	42405	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.213	="15067-28-4"	PCI/G		0.373		1.00	23.4
3.1.24.R.2	SAMPLE	42387	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.2	1.56	="13966-00-2"	PCI/G		0.740		1.00	23.4
3.1.24.R.2	SAMPLE	42405	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.7	1.64	="13966-00-2"	PCI/G		0.392		1.00	23.4
3.1.24.R.2	SAMPLE	42387	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0837	0.838	="14331-85-2"	PCI/G	U	1.33		1.00	23.4
3.1.24.R.2	SAMPLE	42405	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.607	="14331-85-2"	PCI/G	UI	1.16		1.00	23.4
3.1.24.R.2	SAMPLE	42387	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.686	0.211	="13982-63-3"	PCI/G		0.162		1.00	23.4
3.1.24.R.2	SAMPLE	42405	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.857	0.198	="13982-63-3"	PCI/G		0.151		1.00	23.4
3.1.24.R.2	SAMPLE	42387	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.732	0.301	="15262-20-1"	PCI/G		0.306		1.00	23.4
3.1.24.R.2	SAMPLE	42405	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.24	0.353	="15262-20-1"	PCI/G		0.339		1.00	23.4
3.1.24.R.2	SAMPLE	42387	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.322	0.0872	="14913-50-9"	PCI/G		0.0821		1.00	23.4
3.1.24.R.2	SAMPLE	42405	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.284	0.109	="14913-50-9"	PCI/G		0.0776		1.00	23.4
3.1.24.R.2	SAMPLE	42387	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.213	=""	PCI/G	UI	0.215		1.00	23.4

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.24.R.2	SAMPLE	42405	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0515	0.135	=""	PCI/G	U	0.206		1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Actinium-227	R	EPA 901.1	-10.6	26.8	14952-40-0	PCI/L	U	47.1		1.00	23.4
3.1.24.R.6	SAMPLE	42341	385070	ALPHA	R	EPA 900.0/SW846 9310	-1.8	1.22	12587-46-1	PCI/L	U	3.58	5.00	1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Antimony-125	R	EPA 901.1	0.696	10.5	14234-35-6	PCI/L	U	19.0		1.00	23.4
3.1.24.R.6	SAMPLE	42341	385070	BETA	R	EPA 900.0/SW846 9310	0.222	2.57	12587-47-2	PCI/L	U	4.69	5.00	1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Bismuth-212	R	EPA 901.1	44.1	63.5	14913-49-6	PCI/L	U	108		1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Bismuth-214	R	EPA 901.1	0.00	16.8	14733-03-0	PCI/L	UI	17.1		1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Cesium-137	R	EPA 901.1	-1.85	4.78	10045-97-3	PCI/L	U	7.89	10.0	1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Cobalt-60	R	EPA 901.1	3.35	4.73	10198-40-0	PCI/L	U	9.47		1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Europium-154	R	EPA 901.1	-5.74	11.7	15585-10-1	PCI/L	U	19.6		1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Lead-212	R	EPA 901.1	6.17	9.46	15092-94-1	PCI/L	U	13.5		1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Lead-214	R	EPA 901.1	0.00	12.9	15067-28-4	PCI/L	UI	15.2		1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Potassium-40	R	EPA 901.1	-46.1	57.9	13966-00-2	PCI/L	U	89.9		1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Protactinium-231	R	EPA 901.1	27.1	51.0	14331-85-2	PCI/L	U	94.5		1.00	23.4
3.1.24.R.6	SAMPLE	42325	385070	Radium-228	R	EPA 901.1	-16.5	20.6	15262-20-1	PCI/L	U	29.9		1.00	22.6
3.1.24.R.6	SAMPLE	42325	385070	Thallium-208	R	EPA 901.1	0.00	7.38	14913-50-9	PCI/L	UI	6.70		1.00	22.6
3.1.24.R.6	SAMPLE	42325	385070	Tin-126	R	EPA 901.1	4.94	11.4		PCI/L	U	19.4		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.199	0.287	14952-40-0	PCI/G	U	0.513		1.00	22.6
3.1.3.E.1	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.3	2.07	12587-46-1	PCI/G		2.38	4.00	1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0166	0.119	14234-35-6	PCI/G	U	0.215		1.00	22.6
3.1.3.E.1	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.1	1.44	12587-47-2	PCI/G		1.20	10.0	1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.763	14913-49-6	PCI/G	UI	1.39		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.174	14733-03-0	PCI/G		0.155		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.24	0.122	10045-97-3	PCI/G		0.0719	0.100	1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00584	0.0434	10198-40-0	PCI/G	U	0.0865		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.084	0.147	15585-10-1	PCI/G	U	0.259		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.31	0.135	15092-94-1	PCI/G		0.117		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.20	0.189	15067-28-4	PCI/G		0.162		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.1	1.53	13966-00-2	PCI/G		0.471		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.908	0.773	14331-85-2	PCI/G	U	0.975		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.773	14331-85-2	PCI/G	UI	0.975		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.174	13982-63-3	PCI/G		0.155		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.20	0.265	15262-20-1	PCI/G		0.230		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.20	0.265	15262-20-1	PCI/G		0.230		1.00	28.2
3.1.3.E.1	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.383	0.0777	14913-50-9	PCI/G		0.0737		1.00	28.2
3.1.3.E.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0841	0.131		PCI/G	U	0.140		1.00	22.6
3.1.3.E.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.131		PCI/G	UI	0.140		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.187	0.402	14952-40-0	PCI/G	U	0.623		1.00	28.2
3.1.3.E.2	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	18.0	2.24	12587-46-1	PCI/G		2.30	4.00	1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.016	0.140	14234-35-6	PCI/G	U	0.255		1.00	28.2
3.1.3.E.2	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	28.5	2.05	12587-47-2	PCI/G		2.51	10.0	1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.996	14913-49-6	PCI/G	UI	1.71		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.224	14733-03-0	PCI/G		0.171		1.00	28.2

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.3.E.2	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.54	0.159	10045-97-3	PCI/G		0.121	0.100	1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.013	0.0499	10198-40-0	PCI/G	U	0.101		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0145	0.151	15585-10-1	PCI/G	U	0.287		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.42	0.164	15092-94-1	PCI/G		0.153		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.249	15067-28-4	PCI/G		0.435		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.7	1.69	13966-00-2	PCI/G		0.866		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.543	0.790	14331-85-2	PCI/G	U	1.36		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.224	13982-63-3	PCI/G		0.171		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.33	0.358	15262-20-1	PCI/G		0.334		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.33	0.358	15262-20-1	PCI/G		0.334		1.00	17.1
3.1.3.E.2	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.406	0.124	14913-50-9	PCI/G		0.0998		1.00	17.1
3.1.3.E.2	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00723	0.193		PCI/G	U	0.279		1.00	28.2
3.1.3.E.2	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00723	0.193		PCI/G	U	0.279		1.00	17.1
3.1.3.E.4	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0286	0.359	14952-40-0	PCI/G	U	0.669		1.00	17.1
3.1.3.E.4	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0286	0.359	14952-40-0	PCI/G	U	0.669		1.00	19.5
3.1.3.E.4	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.8	1.84	12587-46-1	PCI/G		1.79	4.00	1.00	17.1
3.1.3.E.4	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.8	1.84	12587-46-1	PCI/G		1.79	4.00	1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0962	0.141	14234-35-6	PCI/G	U	0.241		1.00	17.1
3.1.3.E.4	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0962	0.141	14234-35-6	PCI/G	U	0.241		1.00	19.5
3.1.3.E.4	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	26.0	1.75	12587-47-2	PCI/G		1.76	10.0	1.00	17.1
3.1.3.E.4	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	26.0	1.75	12587-47-2	PCI/G		1.76	10.0	1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.990	14913-49-6	PCI/G	UI	1.69		1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.904	0.230	14733-03-0	PCI/G		0.183		1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.178	0.091	10045-97-3	PCI/G		0.0874	0.100	1.00	17.1
3.1.3.E.4	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.178	0.091	10045-97-3	PCI/G		0.0874	0.100	1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0268	0.0478	10198-40-0	PCI/G	U	0.0858		1.00	17.1
3.1.3.E.4	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0268	0.0478	10198-40-0	PCI/G	U	0.0858		1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0528	0.167	15585-10-1	PCI/G	U	0.310		1.00	17.1
3.1.3.E.4	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0528	0.167	15585-10-1	PCI/G	U	0.310		1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.16	0.146	15092-94-1	PCI/G		0.132		1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.254	15067-28-4	PCI/G		0.160		1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	16.2	2.02	13966-00-2	PCI/G		1.13		1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.719	14331-85-2	PCI/G	UI	0.873		1.00	17.1
3.1.3.E.4	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.719	14331-85-2	PCI/G	UI	0.873		1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.904	0.230	13982-63-3	PCI/G		0.183		1.00	17.1
3.1.3.E.4	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.904	0.230	13982-63-3	PCI/G		0.183		1.00	19.5
3.1.3.E.4	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.14	0.351	15262-20-1	PCI/G		0.286		1.00	17.1
3.1.3.E.4	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.14	0.351	15262-20-1	PCI/G		0.286		1.00	19
3.1.3.E.4	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.281	0.115	14913-50-9	PCI/G		0.0769		1.00	19
3.1.3.E.4	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.111	0.172		PCI/G	U	0.194		1.00	17.1
3.1.3.E.4	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.172		PCI/G	UI	0.194		1.00	19
3.1.3.E.4	MSD	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	122	5.99	12587-46-1	%		2.58	4.00	1.00	19.5
3.1.3.E.4	MSD	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	122	5.99	12587-46-1	%		2.58	4.00	1.00	19

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.3.E.4	MSD	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	111	6.33	12587-47-2	%		1.81	10.0	1.00	19.5
3.1.3.E.4	MSD	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	111	6.33	12587-47-2	%		1.81	10.0	1.00	19
3.1.3.E.4	MS	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	108	5.71	12587-46-1	%		2.82	4.00	1.00	17.1
3.1.3.E.4	MS	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	108	5.71	12587-46-1	%		2.82	4.00	1.00	19
3.1.3.E.4	MS	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	106	6.31	12587-47-2	%		2.13	10.0	1.00	19.5
3.1.3.E.4	MS	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	106	6.31	12587-47-2	%		2.13	10.0	1.00	19
3.1.3.E.4	DUP	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.4	2.36	12587-46-1	PCI/G		2.88	4.00	1.00	17.1
3.1.3.E.4	DUP	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.4	2.36	12587-46-1	PCI/G		2.88	4.00	1.00	19
3.1.3.E.4	DUP	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.0	1.71	12587-47-2	PCI/G		1.86	10.0	1.00	17.1
3.1.3.E.4	DUP	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.0	1.71	12587-47-2	PCI/G		1.86	10.0	1.00	19
3.1.4.R.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.09	0.281	14952-40-0	PCI/G	U	0.522		1.00	19
3.1.4.R.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.09	0.281	14952-40-0	PCI/G	U	0.522		1.00	19.4
3.1.4.R.1	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.5	1.87	12587-46-1	PCI/G		2.13	4.00	1.00	19
3.1.4.R.1	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.5	1.87	12587-46-1	PCI/G		2.13	4.00	1.00	19.4
3.1.4.R.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0478	0.0998	14234-35-6	PCI/G	U	0.194		1.00	19
3.1.4.R.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0478	0.0998	14234-35-6	PCI/G	U	0.194		1.00	19.4
3.1.4.R.1	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.8	1.99	12587-47-2	PCI/G		2.65	10.0	1.00	19
3.1.4.R.1	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.8	1.99	12587-47-2	PCI/G		2.65	10.0	1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.520	0.726	14913-49-6	PCI/G	U	1.27		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.728	0.192	14733-03-0	PCI/G		0.135		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.762	0.0927	10045-97-3	PCI/G		0.0697	0.100	1.00	19
3.1.4.R.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.762	0.0927	10045-97-3	PCI/G		0.0697	0.100	1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0209	0.0434	10198-40-0	PCI/G	U	0.0901		1.00	19
3.1.4.R.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0209	0.0434	10198-40-0	PCI/G	U	0.0901		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0107	0.105	15585-10-1	PCI/G	U	0.204		1.00	19
3.1.4.R.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0107	0.105	15585-10-1	PCI/G	U	0.204		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.942	0.158	15092-94-1	PCI/G		0.163		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.181	15067-28-4	PCI/G		0.339		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	10.9	1.39	13966-00-2	PCI/G		0.760		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.363	0.832	14331-85-2	PCI/G	U	0.835		1.00	19
3.1.4.R.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.363	0.832	14331-85-2	PCI/G	U	0.835		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.728	0.192	13982-63-3	PCI/G		0.135		1.00	19.4
3.1.4.R.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.728	0.192	13982-63-3	PCI/G		0.135		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.871	0.277	15262-20-1	PCI/G		0.275		1.00	19.4
3.1.4.R.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.871	0.277	15262-20-1	PCI/G		0.275		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.280	0.0734	14913-50-9	PCI/G		0.0732		1.00	21.9
3.1.4.R.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.201		PCI/G	UI	0.164		1.00	19.4
3.1.4.R.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.201		PCI/G	UI	0.164		1.00	21.9
3.1.4.R.2	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.115	0.277	14952-40-0	PCI/G	U	0.490		1.00	21.9
3.1.4.R.2	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.115	0.277	14952-40-0	PCI/G	U	0.490		1.00	18
3.1.4.R.2	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.7	2.08	12587-46-1	PCI/G		2.16	4.00	1.00	21.9
3.1.4.R.2	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.7	2.08	12587-46-1	PCI/G		2.16	4.00	1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0339	0.106	14234-35-6	PCI/G	U	0.189		1.00	21.9

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.4.R.2	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0339	0.106	14234-35-6	PCI/G	U	0.189		1.00	18
3.1.4.R.2	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.7	1.71	12587-47-2	PCI/G		1.82	10.0	1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.527	14913-49-6	PCI/G	UI	1.09		1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.810	0.159	14733-03-0	PCI/G		0.128		1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.120	10045-97-3	PCI/G		0.0632	0.100	1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00591	0.0347	10198-40-0	PCI/G	U	0.0673		1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0405	0.107	15585-10-1	PCI/G	U	0.194		1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.115	15092-94-1	PCI/G		0.0972		1.00	100
3.1.4.R.2	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.06	0.175	15067-28-4	PCI/G		0.301		1.00	100
3.1.4.R.2	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.7	1.20	13966-00-2	PCI/G		0.591		1.00	100
3.1.4.R.2	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.754	0.767	14331-85-2	PCI/G	U	0.787		1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.767	14331-85-2	PCI/G	UI	0.787		1.00	100
3.1.4.R.2	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.810	0.159	13982-63-3	PCI/G		0.128		1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.810	0.159	13982-63-3	PCI/G		0.128		1.00	100
3.1.4.R.2	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.241	15262-20-1	PCI/G		0.223		1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.241	15262-20-1	PCI/G		0.223		1.00	100
3.1.4.R.2	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.301	0.0761	14913-50-9	PCI/G		0.058		1.00	100
3.1.4.R.2	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.124		PCI/G	UI	0.140		1.00	18
3.1.4.R.2	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.124		PCI/G	UI	0.140		1.00	100
3.1.4.R.4	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00799	0.257	14952-40-0	PCI/G	U	0.482		1.00	100
3.1.4.R.4	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00799	0.257	14952-40-0	PCI/G	U	0.482		1.00	22.3
3.1.4.R.4	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.1	1.89	12587-46-1	PCI/G		2.05	4.00	1.00	100
3.1.4.R.4	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.1	1.89	12587-46-1	PCI/G		2.05	4.00	1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0256	0.0984	14234-35-6	PCI/G	U	0.176		1.00	100
3.1.4.R.4	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0256	0.0984	14234-35-6	PCI/G	U	0.176		1.00	22.3
3.1.4.R.4	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.2	1.42	12587-47-2	PCI/G		1.35	10.0	1.00	100
3.1.4.R.4	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.2	1.42	12587-47-2	PCI/G		1.35	10.0	1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.607	14913-49-6	PCI/G	UI	1.17		1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.792	0.145	14733-03-0	PCI/G		0.141		1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.821	0.0951	10045-97-3	PCI/G		0.064	0.100	1.00	100
3.1.4.R.4	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.821	0.0951	10045-97-3	PCI/G		0.064	0.100	1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0101	0.0312	10198-40-0	PCI/G	U	0.0591		1.00	100
3.1.4.R.4	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0101	0.0312	10198-40-0	PCI/G	U	0.0591		1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0182	0.122	15585-10-1	PCI/G	U	0.213		1.00	100
3.1.4.R.4	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0182	0.122	15585-10-1	PCI/G	U	0.213		1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.123	15092-94-1	PCI/G		0.106		1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.184	15067-28-4	PCI/G		0.141		1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.0	1.37	13966-00-2	PCI/G		0.531		1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.492	0.496	14331-85-2	PCI/G	U	0.981		1.00	100
3.1.4.R.4	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.496	14331-85-2	PCI/G	UI	0.981		1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.792	0.145	13982-63-3	PCI/G		0.141		1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.752	0.322	15262-20-1	PCI/G		0.202		1.00	22.3
3.1.4.R.4	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.290	0.086	14913-50-9	PCI/G		0.0647		1.00	22.3

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.4.R.4	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.111		PCI/G	UI	0.118		1.00	22.3
3.1.5.R.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.259	0.351	14952-40-0	PCI/G	U	0.614		1.00	22.3
3.1.5.R.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.259	0.351	14952-40-0	PCI/G	U	0.614		1.00	22.4
3.1.5.R.1	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.5	1.91	12587-46-1	PCI/G		2.08	4.00	1.00	22.3
3.1.5.R.1	SAMPLE	42339	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.5	1.91	12587-46-1	PCI/G		2.08	4.00	1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0106	0.114	14234-35-6	PCI/G	U	0.210		1.00	22.3
3.1.5.R.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0106	0.114	14234-35-6	PCI/G	U	0.210		1.00	22.4
3.1.5.R.1	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.5	1.65	12587-47-2	PCI/G		1.82	10.0	1.00	22.3
3.1.5.R.1	SAMPLE	42339	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	20.5	1.65	12587-47-2	PCI/G		1.82	10.0	1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.882	14913-49-6	PCI/G	UI	1.36		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.795	0.155	14733-03-0	PCI/G		0.140		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.11	0.124	10045-97-3	PCI/G		0.0731	0.100	1.00	22.3
3.1.5.R.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.11	0.124	10045-97-3	PCI/G		0.0731	0.100	1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00027	0.0429	10198-40-0	PCI/G	U	0.0851		1.00	22.3
3.1.5.R.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00027	0.0429	10198-40-0	PCI/G	U	0.0851		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0226	0.125	15585-10-1	PCI/G	U	0.253		1.00	22.3
3.1.5.R.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0226	0.125	15585-10-1	PCI/G	U	0.253		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.11	0.138	15092-94-1	PCI/G		0.127		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.189	15067-28-4	PCI/G		0.350		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.3	1.54	13966-00-2	PCI/G		0.476		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.296	0.650	14331-85-2	PCI/G	U	1.19		1.00	22.3
3.1.5.R.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.296	0.650	14331-85-2	PCI/G	U	1.19		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.795	0.155	13982-63-3	PCI/G		0.140		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.992	0.301	15262-20-1	PCI/G		0.239		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.329	0.0898	14913-50-9	PCI/G		0.0621		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.121	0.142		PCI/G	U	0.201		1.00	22.4
3.1.5.R.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.142		PCI/G	UI	0.201		1.00	22.4
3.1.5.R.2	SAMPLE	42387	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.061	0.240	"14952-40-0"	PCI/G	U	0.446		1.00	22.4
3.1.5.R.2	SAMPLE	42405	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.212	0.336	"14952-40-0"	PCI/G	U	0.522		1.00	22.4
3.1.5.R.2	SAMPLE	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.4	4.47	"12587-46-1"	PCI/G		3.86	4.00	1.00	22.4
3.1.5.R.2	SAMPLE	42387	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00818	0.120	"14234-35-6"	PCI/G	U	0.189		1.00	22.4
3.1.5.R.2	SAMPLE	42405	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0975	0.120	"14234-35-6"	PCI/G	U	0.245		1.00	22.4
3.1.5.R.2	SAMPLE	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.8	3.69	"12587-47-2"	PCI/G		2.84	10.0	1.00	22.4
3.1.5.R.2	SAMPLE	42387	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.561	"14913-49-6"	PCI/G	UI	1.13		1.00	22.4
3.1.5.R.2	SAMPLE	42405	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.852	"14913-49-6"	PCI/G	UI	1.42		1.00	22.4
3.1.5.R.2	SAMPLE	42387	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.699	0.153	"14733-03-0"	PCI/G		0.130		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.817	0.160	"14733-03-0"	PCI/G		0.139		1.00	23
3.1.5.R.2	SAMPLE	42387	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.978	0.0991	"10045-97-3"	PCI/G		0.0759	0.100	1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.940	0.140	"10045-97-3"	PCI/G		0.0887	0.100	1.00	23
3.1.5.R.2	SAMPLE	42387	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0351	"10198-40-0"	PCI/G	UI	0.0747		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0112	0.0396	"10198-40-0"	PCI/G	U	0.0874		1.00	23
3.1.5.R.2	SAMPLE	42387	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0832	0.118	"15585-10-1"	PCI/G	U	0.203		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0645	0.119	"15585-10-1"	PCI/G	U	0.224		1.00	23

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.5.R.2	SAMPLE	42387	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.840	0.133	="15092-94-1"	PCI/G		0.127		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.858	0.133	="15092-94-1"	PCI/G		0.123		1.00	23
3.1.5.R.2	SAMPLE	42387	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.600	0.143	="15067-28-4"	PCI/G		0.129		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.765	0.205	="15067-28-4"	PCI/G		0.154		1.00	23
3.1.5.R.2	SAMPLE	42387	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.4	1.32	="13966-00-2"	PCI/G		0.461		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	10.5	1.57	="13966-00-2"	PCI/G		1.02		1.00	23
3.1.5.R.2	SAMPLE	42387	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.605	="14331-85-2"	PCI/G	UI	1.04		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.206	0.631	="14331-85-2"	PCI/G	U	1.10		1.00	23
3.1.5.R.2	SAMPLE	42387	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.699	0.153	="13982-63-3"	PCI/G		0.130		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.817	0.160	="13982-63-3"	PCI/G		0.139		1.00	23
3.1.5.R.2	SAMPLE	42387	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.679	0.219	="15262-20-1"	PCI/G		0.248		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.944	0.283	="15262-20-1"	PCI/G		0.278		1.00	23
3.1.5.R.2	SAMPLE	42387	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.236	0.0672	="14913-50-9"	PCI/G		0.0567		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.246	0.0759	="14913-50-9"	PCI/G		0.0807		1.00	23
3.1.5.R.2	SAMPLE	42387	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.107	=""	PCI/G	UI	0.118		1.00	23
3.1.5.R.2	SAMPLE	42405	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.164	=""	PCI/G	UI	0.177		1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Actinium-227	R	EPA 901.1	-4.01	28.1	14952-40-0	PCI/L	U	50.1		1.00	23
3.1.5.R.6	SAMPLE	42340	385077	ALPHA	R	EPA 900.0/SW846 9310	-1.45	1.49	12587-46-1	PCI/L	U	4.10	5.00	1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Antimony-125	R	EPA 901.1	3.43	9.89	14234-35-6	PCI/L	U	18.1		1.00	23
3.1.5.R.6	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310	1.44	2.10	12587-47-2	PCI/L	U	3.60	5.00	1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Bismuth-212	R	EPA 901.1	29.7	64.9	14913-49-6	PCI/L	U	113		1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Bismuth-214	R	EPA 901.1	0.00	12.0	14733-03-0	PCI/L	UI	17.8		1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Cesium-137	R	EPA 901.1	-0.0607	4.50	10045-97-3	PCI/L	U	7.34	10.0	1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Cesium-137	R	EPA 901.1	-0.0607	4.50	10045-97-3	PCI/L	U	7.34	10.0	1.00	21.4
3.1.5.R.6	SAMPLE	42325	385077	Cobalt-60	R	EPA 901.1	1.75	4.04	10198-40-0	PCI/L	U	8.20		1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Cobalt-60	R	EPA 901.1	1.75	4.04	10198-40-0	PCI/L	U	8.20		1.00	21.4
3.1.5.R.6	SAMPLE	42325	385077	Europium-154	R	EPA 901.1	-5.67	11.5	15585-10-1	PCI/L	U	20.3		1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Europium-154	R	EPA 901.1	-5.67	11.5	15585-10-1	PCI/L	U	20.3		1.00	21.4
3.1.5.R.6	SAMPLE	42325	385077	Lead-212	R	EPA 901.1	0.00	10.0	15092-94-1	PCI/L	UI	15.5		1.00	21.4
3.1.5.R.6	SAMPLE	42325	385077	Lead-214	R	EPA 901.1	5.84	10.2	15067-28-4	PCI/L	U	17.2		1.00	21.4
3.1.5.R.6	SAMPLE	42325	385077	Potassium-40	R	EPA 901.1	-72.3	52.1	13966-00-2	PCI/L	U	87.6		1.00	21.4
3.1.5.R.6	SAMPLE	42325	385077	Protactinium-231	R	EPA 901.1	-13.1	54.3	14331-85-2	PCI/L	U	88.1		1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Protactinium-231	R	EPA 901.1	-13.1	54.3	14331-85-2	PCI/L	U	88.1		1.00	21.4
3.1.5.R.6	SAMPLE	42325	385077	Radium-228	R	EPA 901.1	-8.91	19.5	15262-20-1	PCI/L	U	27.6		1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Radium-228	R	EPA 901.1	-8.91	19.5	15262-20-1	PCI/L	U	27.6		1.00	21.4
3.1.5.R.6	SAMPLE	42325	385077	Thallium-208	R	EPA 901.1	0.00	7.47	14913-50-9	PCI/L	UI	5.79		1.00	21.4
3.1.5.R.6	SAMPLE	42325	385077	Tin-126	R	EPA 901.1	-8.53	10.7		PCI/L	U	15.9		1.00	23
3.1.5.R.6	SAMPLE	42325	385077	Tin-126	R	EPA 901.1	-8.53	10.7		PCI/L	U	15.9		1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.13	0.243	14952-40-0	PCI/G	U	0.438		1.00	21.4
3.1.6.R.1	SAMPLE	42340	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.8	4.44	12587-46-1	PCI/G		3.79	4.00	1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0274	0.0904	14234-35-6	PCI/G	U	0.165		1.00	21.4
3.1.6.R.1	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.3	3.82	12587-47-2	PCI/G		4.05	10.0	1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.750	14913-49-6	PCI/G	UI	1.08		1.00	21.4

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.6.R.1	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.731	0.168	14733-03-0	PCI/G		0.121		1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.04	0.092	10045-97-3	PCI/G		0.0633	0.100	1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0352	0.033	10198-40-0	PCI/G	U	0.071		1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.033	10198-40-0	PCI/G	UI	0.071		1.00	21.6
3.1.6.R.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.117	0.115	15585-10-1	PCI/G	U	0.212		1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.115	15585-10-1	PCI/G	UI	0.212		1.00	21.6
3.1.6.R.1	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.992	0.120	15092-94-1	PCI/G		0.104		1.00	21.6
3.1.6.R.1	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.937	0.167	15067-28-4	PCI/G		0.257		1.00	21.6
3.1.6.R.1	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.3	1.13	13966-00-2	PCI/G		0.380		1.00	21.6
3.1.6.R.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.743	14331-85-2	PCI/G	UI	0.764		1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.743	14331-85-2	PCI/G	UI	0.764		1.00	21.6
3.1.6.R.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.731	0.168	13982-63-3	PCI/G		0.121		1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.731	0.168	13982-63-3	PCI/G		0.121		1.00	21.6
3.1.6.R.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.685	0.290	15262-20-1	PCI/G		0.237		1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.685	0.290	15262-20-1	PCI/G		0.237		1.00	21.6
3.1.6.R.1	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.241	0.0711	14913-50-9	PCI/G		0.052		1.00	21.6
3.1.6.R.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.135	0.146		PCI/G	U	0.168		1.00	21.4
3.1.6.R.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.146		PCI/G	UI	0.168		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0238	0.303	"14952-40-0"	PCI/G	U	0.555		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.211	0.335	"14952-40-0"	PCI/G	U	0.605		1.00	21.6
3.1.6.R.2	SAMPLE	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.8	3.83	"12587-46-1"	PCI/G		3.85	4.00	1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.074	0.107	"14234-35-6"	PCI/G	U	0.208		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.03	0.152	"14234-35-6"	PCI/G	U	0.277		1.00	21.6
3.1.6.R.2	SAMPLE	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	30.2	3.66	"12587-47-2"	PCI/G		2.21	10.0	1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.16	0.744	"14913-49-6"	PCI/G		0.890		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.06	0.658	"14913-49-6"	PCI/G		1.02		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.573	0.214	"14733-03-0"	PCI/G		0.126		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.718	0.206	"14733-03-0"	PCI/G		0.154		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.74	0.174	"10045-97-3"	PCI/G		0.0702	0.100	1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.52	0.190	"10045-97-3"	PCI/G		0.0834	0.100	1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0276	0.0326	"10198-40-0"	PCI/G	U	0.0754		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0168	0.043	"10198-40-0"	PCI/G	U	0.079		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0267	0.087	"15585-10-1"	PCI/G	U	0.167		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.053	0.103	"15585-10-1"	PCI/G	U	0.186		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.967	0.128	"15092-94-1"	PCI/G		0.117		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.938	0.139	"15092-94-1"	PCI/G		0.140		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.752	0.186	"15067-28-4"	PCI/G		0.168		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.899	0.266	"15067-28-4"	PCI/G		0.190		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.2	1.31	"13966-00-2"	PCI/G		0.564		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.8	1.49	"13966-00-2"	PCI/G		0.747		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.812	"14331-85-2"	PCI/G	UI	0.918		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.05	"14331-85-2"	PCI/G	UI	1.19		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.573	0.214	"13982-63-3"	PCI/G		0.126		1.00	21.6

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.1.6.R.2	SAMPLE	42405	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.718	0.206	="13982-63-3"	PCI/G		0.154		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.551	0.340	="15262-20-1"	PCI/G		0.227		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.916	0.327	="15262-20-1"	PCI/G		0.369		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.206	0.0722	="14913-50-9"	PCI/G		0.0576		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.202	0.0999	="14913-50-9"	PCI/G		0.0903		1.00	21.6
3.1.6.R.2	SAMPLE	42387	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.104	=""	PCI/G	UI	0.121		1.00	21.6
3.1.6.R.2	SAMPLE	42405	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0902	0.210	=""	PCI/G	U	0.232		1.00	21.6
3.1.7.R.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0425	0.316	14952-40-0	PCI/G	U	0.610		1.00	21.6
3.1.7.R.1	SAMPLE	42340	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.1	3.56	12587-46-1	PCI/G		3.48	4.00	1.00	21.6
3.1.7.R.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0725	0.144	14234-35-6	PCI/G	U	0.275		1.00	21.6
3.1.7.R.1	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.2	3.50	12587-47-2	PCI/G		2.93	10.0	1.00	21.6
3.1.7.R.1	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.2	3.50	12587-47-2	PCI/G		2.93	10.0	1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.753	14913-49-6	PCI/G	UI	1.64		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.942	0.208	14733-03-0	PCI/G		0.181		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.17	0.175	10045-97-3	PCI/G		0.103	0.100	1.00	21.6
3.1.7.R.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.17	0.175	10045-97-3	PCI/G		0.103	0.100	1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.000285	0.0565	10198-40-0	PCI/G	U	0.109		1.00	21.6
3.1.7.R.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.000285	0.0565	10198-40-0	PCI/G	U	0.109		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0842	0.154	15585-10-1	PCI/G	U	0.269		1.00	21.6
3.1.7.R.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0842	0.154	15585-10-1	PCI/G	U	0.269		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.17	0.150	15092-94-1	PCI/G		0.136		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.12	0.206	15067-28-4	PCI/G		0.179		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	16.0	1.93	13966-00-2	PCI/G		0.874		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.938	0.752	14331-85-2	PCI/G	U	1.13		1.00	21.6
3.1.7.R.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.752	14331-85-2	PCI/G	UI	1.13		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.942	0.208	13982-63-3	PCI/G		0.181		1.00	21.6
3.1.7.R.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.942	0.208	13982-63-3	PCI/G		0.181		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.380	15262-20-1	PCI/G	UI	0.697		1.00	21.6
3.1.7.R.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.380	15262-20-1	PCI/G	UI	0.697		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.357	0.0877	14913-50-9	PCI/G		0.0897		1.00	20
3.1.7.R.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.138	0.154		PCI/G	U	0.196		1.00	21.6
3.1.7.R.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.154		PCI/G	UI	0.196		1.00	20
3.1.7.R.2	SAMPLE	42387	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.200	0.325	="14952-40-0"	PCI/G	U	0.634		1.00	20
3.1.7.R.2	SAMPLE	42405	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0459	0.384	="14952-40-0"	PCI/G	U	0.706		1.00	20
3.1.7.R.2	SAMPLE	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	19.5	6.16	="12587-46-1"	PCI/G		3.54	4.00	1.00	20
3.1.7.R.2	SAMPLE	42387	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.000137	0.137	="14234-35-6"	PCI/G	U	0.261		1.00	20
3.1.7.R.2	SAMPLE	42405	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0724	0.166	="14234-35-6"	PCI/G	U	0.289		1.00	20
3.1.7.R.2	SAMPLE	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.7	4.32	="12587-47-2"	PCI/G		2.98	10.0	1.00	20
3.1.7.R.2	SAMPLE	42387	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	2.11	="14913-49-6"	PCI/G	UI	2.33		1.00	20
3.1.7.R.2	SAMPLE	42405	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.02	="14913-49-6"	PCI/G	UI	1.76		1.00	20
3.1.7.R.2	SAMPLE	42387	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.965	0.217	="14733-03-0"	PCI/G		0.169		1.00	20
3.1.7.R.2	SAMPLE	42405	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.201	="14733-03-0"	PCI/G		0.185		1.00	20
3.1.7.R.2	SAMPLE	42387	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.998	0.139	="10045-97-3"	PCI/G		0.120	0.100	1.00	20

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.7.R.2	SAMPLE	42405	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.869	0.142	="10045-97-3"	PCI/G		0.0946	0.100	1.00	20
3.1.7.R.2	SAMPLE	42387	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0154	0.0688	="10198-40-0"	PCI/G	U	0.131		1.00	20
3.1.7.R.2	SAMPLE	42405	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0633	="10198-40-0"	PCI/G	UI	0.134		1.00	20
3.1.7.R.2	SAMPLE	42387	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0277	0.351	="15585-10-1"	PCI/G	U	0.570		1.00	100
3.1.7.R.2	SAMPLE	42405	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0647	0.211	="15585-10-1"	PCI/G	U	0.418		1.00	100
3.1.7.R.2	SAMPLE	42387	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.168	="15092-94-1"	PCI/G		0.153		1.00	100
3.1.7.R.2	SAMPLE	42405	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.24	0.215	="15092-94-1"	PCI/G		0.233		1.00	100
3.1.7.R.2	SAMPLE	42387	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.34	0.240	="15067-28-4"	PCI/G		0.452		1.00	100
3.1.7.R.2	SAMPLE	42405	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.233	="15067-28-4"	PCI/G		0.209		1.00	100
3.1.7.R.2	SAMPLE	42387	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.4	2.20	="13966-00-2"	PCI/G		0.699		1.00	100
3.1.7.R.2	SAMPLE	42405	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	18.7	2.13	="13966-00-2"	PCI/G		0.882		1.00	100
3.1.7.R.2	SAMPLE	42387	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.316	0.692	="14331-85-2"	PCI/G	U	1.31		1.00	100
3.1.7.R.2	SAMPLE	42405	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.904	="14331-85-2"	PCI/G	UI	1.24		1.00	100
3.1.7.R.2	SAMPLE	42387	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.965	0.217	="13982-63-3"	PCI/G		0.169		1.00	100
3.1.7.R.2	SAMPLE	42405	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.201	="13982-63-3"	PCI/G		0.185		1.00	100
3.1.7.R.2	SAMPLE	42387	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.378	="15262-20-1"	PCI/G	UI	0.901		1.00	100
3.1.7.R.2	SAMPLE	42405	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.30	0.394	="15262-20-1"	PCI/G		0.305		1.00	100
3.1.7.R.2	SAMPLE	42387	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.449	0.126	="14913-50-9"	PCI/G		0.120		1.00	100
3.1.7.R.2	SAMPLE	42405	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.481	0.101	="14913-50-9"	PCI/G		0.0966		1.00	100
3.1.7.R.2	SAMPLE	42387	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.093	=""	PCI/G	UI	0.115		1.00	100
3.1.7.R.2	SAMPLE	42405	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.204	=""	PCI/G	UI	0.230		1.00	100
3.1.8.R.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.078	0.285	14952-40-0	PCI/G	U	0.530		1.00	100
3.1.8.R.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.078	0.285	14952-40-0	PCI/G	U	0.530		1.00	18.4
3.1.8.R.1	SAMPLE	42340	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.1	3.17	12587-46-1	PCI/G		3.60	4.00	1.00	100
3.1.8.R.1	SAMPLE	42340	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.1	3.17	12587-46-1	PCI/G		3.60	4.00	1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0462	0.131	14234-35-6	PCI/G	U	0.260		1.00	100
3.1.8.R.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0462	0.131	14234-35-6	PCI/G	U	0.260		1.00	18.4
3.1.8.R.1	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.3	3.21	12587-47-2	PCI/G		3.97	10.0	1.00	100
3.1.8.R.1	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.3	3.21	12587-47-2	PCI/G		3.97	10.0	1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.876	14913-49-6	PCI/G	UI	1.69		1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.14	0.210	14733-03-0	PCI/G		0.167		1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.952	0.137	10045-97-3	PCI/G		0.105	0.100	1.00	100
3.1.8.R.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.952	0.137	10045-97-3	PCI/G		0.105	0.100	1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	3.29E-05	0.0705	10198-40-0	PCI/G	U	0.137		1.00	100
3.1.8.R.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	3.29E-05	0.0705	10198-40-0	PCI/G	U	0.137		1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.179	0.184	15585-10-1	PCI/G	U	0.412		1.00	100
3.1.8.R.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.179	0.184	15585-10-1	PCI/G	U	0.412		1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.27	0.141	15092-94-1	PCI/G		0.118		1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.09	0.235	15067-28-4	PCI/G		0.165		1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.9	1.94	13966-00-2	PCI/G		1.29		1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.529	0.632	14331-85-2	PCI/G	U	1.14		1.00	100
3.1.8.R.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.529	0.632	14331-85-2	PCI/G	U	1.14		1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.14	0.210	13982-63-3	PCI/G		0.167		1.00	18.4

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.8.R.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.961	0.351	15262-20-1	PCI/G		0.434		1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.420	0.0846	14913-50-9	PCI/G		0.0906		1.00	18.4
3.1.8.R.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0975		PCI/G	UI	0.111		1.00	18.4
3.1.8.R.2	SAMPLE	42387	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0509	0.338	"14952-40-0"	PCI/G	U	0.643		1.00	18.4
3.1.8.R.2	SAMPLE	42405	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.115	0.295	"14952-40-0"	PCI/G	U	0.538		1.00	18.4
3.1.8.R.2	SAMPLE	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.8	4.94	"12587-46-1"	PCI/G		3.88	4.00	1.00	18.4
3.1.8.R.2	SAMPLE	42387	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0439	0.123	"14234-35-6"	PCI/G	U	0.220		1.00	18.4
3.1.8.R.2	SAMPLE	42405	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0577	0.119	"14234-35-6"	PCI/G	U	0.228		1.00	18.4
3.1.8.R.2	SAMPLE	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	27.8	4.00	"12587-47-2"	PCI/G		3.97	10.0	1.00	18.4
3.1.8.R.2	SAMPLE	42387	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.48	0.799	"14913-49-6"	PCI/G		1.11		1.00	18.4
3.1.8.R.2	SAMPLE	42405	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.49	"14913-49-6"	PCI/G	UI	1.53		1.00	18.4
3.1.8.R.2	SAMPLE	42387	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.781	0.194	"14733-03-0"	PCI/G		0.176		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.981	0.184	"14733-03-0"	PCI/G		0.135		1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.850	0.128	"10045-97-3"	PCI/G		0.100	0.100	1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.972	0.117	"10045-97-3"	PCI/G		0.0796	0.100	1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00527	0.0459	"10198-40-0"	PCI/G	U	0.0961		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.052	0.0493	"10198-40-0"	PCI/G	U	0.0775		1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0161	0.169	"15585-10-1"	PCI/G	U	0.332		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.126	0.147	"15585-10-1"	PCI/G	U	0.244		1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.963	0.162	"15092-94-1"	PCI/G		0.140		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.16	0.133	"15092-94-1"	PCI/G		0.115		1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.830	0.231	"15067-28-4"	PCI/G		0.377		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.927	0.217	"15067-28-4"	PCI/G		0.167		1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.6	1.78	"13966-00-2"	PCI/G		0.864		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.8	1.70	"13966-00-2"	PCI/G		0.815		1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0933	0.678	"14331-85-2"	PCI/G	U	1.28		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.566	"14331-85-2"	PCI/G	UI	1.05		1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.781	0.194	"13982-63-3"	PCI/G		0.176		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.981	0.184	"13982-63-3"	PCI/G		0.135		1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.937	0.300	"15262-20-1"	PCI/G		0.277		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.14	0.321	"15262-20-1"	PCI/G		0.320		1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.273	0.0878	"14913-50-9"	PCI/G		0.0999		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.334	0.0856	"14913-50-9"	PCI/G		0.0717		1.00	24.2
3.1.8.R.2	SAMPLE	42387	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.167	"	PCI/G	UI	0.222		1.00	24.2
3.1.8.R.2	SAMPLE	42405	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0946	"	PCI/G	UI	0.189		1.00	24.2
3.1.8.R.6	SAMPLE	42325	385077	Actinium-227	R	EPA 901.1	-7.35	31.7	14952-40-0	PCI/L	U	54.9		1.00	24.2
3.1.8.R.6	SAMPLE	42325	385077	Actinium-227	R	EPA 901.1	-7.35	31.7	14952-40-0	PCI/L	U	54.9		1.00	22.3
3.1.8.R.6	SAMPLE	42340	385077	ALPHA	R	EPA 900.0/SW846 9310	-0.394	1.37	12587-46-1	PCI/L	U	3.12	5.00	1.00	24.2
3.1.8.R.6	SAMPLE	42340	385077	ALPHA	R	EPA 900.0/SW846 9310	-0.394	1.37	12587-46-1	PCI/L	U	3.12	5.00	1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Antimony-125	R	EPA 901.1	8.29	12.4	14234-35-6	PCI/L	U	18.6		1.00	24.2
3.1.8.R.6	SAMPLE	42325	385077	Antimony-125	R	EPA 901.1	8.29	12.4	14234-35-6	PCI/L	U	18.6		1.00	22.3
3.1.8.R.6	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310	-1.74	2.37	12587-47-2	PCI/L	U	4.71	5.00	1.00	24.2
3.1.8.R.6	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310	-1.74	2.37	12587-47-2	PCI/L	U	4.71	5.00	1.00	22.3

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.8.R.6	SAMPLE	42325	385077	Bismuth-212	R	EPA 901.1	3.83	78.5	14913-49-6	PCI/L	U	121		1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Bismuth-214	R	EPA 901.1	1.15	14.5	14733-03-0	PCI/L	U	16.0		1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Cesium-137	R	EPA 901.1	4.62	7.04	10045-97-3	PCI/L	U	7.68	10.0	1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Cesium-137	R	EPA 901.1	0.00	7.04	10045-97-3	PCI/L	UI	7.68	10.0	1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Cobalt-60	R	EPA 901.1	-0.837	4.13	10198-40-0	PCI/L	U	6.41		1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Europium-154	R	EPA 901.1	-1.9	13.0	15585-10-1	PCI/L	U	23.7		1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Lead-212	R	EPA 901.1	0.176	11.4	15092-94-1	PCI/L	U	14.2		1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Lead-214	R	EPA 901.1	3.31	14.5	15067-28-4	PCI/L	U	18.0		1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Potassium-40	R	EPA 901.1	-82.5	68.0	13966-00-2	PCI/L	U	112		1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Protactinium-231	R	EPA 901.1	-3.47	60.2	14331-85-2	PCI/L	U	105		1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Radium-228	R	EPA 901.1	0.00	23.7	15262-20-1	PCI/L	UI	24.8		1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Thallium-208	R	EPA 901.1	0.00	5.64	14913-50-9	PCI/L	UI	9.62		1.00	22.3
3.1.8.R.6	SAMPLE	42325	385077	Tin-126	R	EPA 901.1	1.41	13.8		PCI/L	U	16.6		1.00	22.3
3.1.9.E.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0975	0.329	14952-40-0	PCI/G	U	0.608		1.00	22.3
3.1.9.E.1	SAMPLE	42341	385077	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0975	0.329	14952-40-0	PCI/G	U	0.608		1.00	100
3.1.9.E.1	SAMPLE	42340	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.9	4.08	12587-46-1	PCI/G		3.69	4.00	1.00	22.3
3.1.9.E.1	SAMPLE	42340	385077	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.9	4.08	12587-46-1	PCI/G		3.69	4.00	1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0871	0.106	14234-35-6	PCI/G	U	0.218		1.00	22.3
3.1.9.E.1	SAMPLE	42341	385077	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0871	0.106	14234-35-6	PCI/G	U	0.218		1.00	100
3.1.9.E.1	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.6	2.53	12587-47-2	PCI/G		2.58	10.0	1.00	22.3
3.1.9.E.1	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.6	2.53	12587-47-2	PCI/G		2.58	10.0	1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.21	0.853	14913-49-6	PCI/G		1.16		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.883	0.203	14733-03-0	PCI/G		0.148		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.36	0.157	10045-97-3	PCI/G		0.105	0.100	1.00	22.3
3.1.9.E.1	SAMPLE	42341	385077	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.36	0.157	10045-97-3	PCI/G		0.105	0.100	1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0466	0.0506	10198-40-0	PCI/G	U	0.114		1.00	22.3
3.1.9.E.1	SAMPLE	42341	385077	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0466	0.0506	10198-40-0	PCI/G	U	0.114		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.113	0.130	15585-10-1	PCI/G	U	0.219		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.151	15092-94-1	PCI/G		0.148		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.233	15067-28-4	PCI/G		0.417		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.7	1.72	13966-00-2	PCI/G		0.607		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.18	0.829	14331-85-2	PCI/G	U	1.24		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.829	14331-85-2	PCI/G	UI	1.24		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.883	0.203	13982-63-3	PCI/G		0.148		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.26	0.361	15262-20-1	PCI/G		0.319		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.398	0.104	14913-50-9	PCI/G		0.0853		1.00	100
3.1.9.E.1	SAMPLE	42341	385077	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.109	0.122		PCI/G	U	0.236		1.00	100
3.1.9.E.2	SAMPLE	42387	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0559	0.302	"14952-40-0"	PCI/G	U	0.574		1.00	100
3.1.9.E.2	SAMPLE	42405	389303	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.262	0.399	"14952-40-0"	PCI/G	U	0.740		1.00	100
3.1.9.E.2	SAMPLE	42395	389303	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	16.8	4.88	"12587-46-1"	PCI/G		3.80	4.00	1.00	100
3.1.9.E.2	SAMPLE	42387	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0655	0.127	"14234-35-6"	PCI/G	U	0.244		1.00	100
3.1.9.E.2	SAMPLE	42405	389303	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0925	0.121	"14234-35-6"	PCI/G	U	0.302		1.00	22.1
3.1.9.E.2	SAMPLE	42395	389303	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	28.2	4.16	"12587-47-2"	PCI/G		3.88	10.0	1.00	22.1

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.1.9.E.2	SAMPLE	42387	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.708	="14913-49-6"	PCI/G	UI	1.45		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.86	="14913-49-6"	PCI/G	UI	1.68		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.829	0.186	="14733-03-0"	PCI/G		0.165		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.196	="14733-03-0"	PCI/G		0.210		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.93	0.157	="10045-97-3"	PCI/G		0.0947	0.100	1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.85	0.178	="10045-97-3"	PCI/G		0.113	0.100	1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.023	0.0511	="10198-40-0"	PCI/G	U	0.076		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0121	0.0506	="10198-40-0"	PCI/G	U	0.0933		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0206	0.131	="15585-10-1"	PCI/G	U	0.255		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0468	0.187	="15585-10-1"	PCI/G	U	0.320		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.32	0.140	="15092-94-1"	PCI/G		0.126		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.35	0.171	="15092-94-1"	PCI/G		0.162		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.194	="15067-28-4"	PCI/G		0.353		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.09	0.259	="15067-28-4"	PCI/G		0.221		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.1	1.60	="13966-00-2"	PCI/G		0.970		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.3	1.71	="13966-00-2"	PCI/G		0.853		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.320	0.791	="14331-85-2"	PCI/G	U	1.15		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.896	="14331-85-2"	PCI/G	UI	1.31		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.829	0.186	="13982-63-3"	PCI/G		0.165		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.196	="13982-63-3"	PCI/G		0.210		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.271	="15262-20-1"	PCI/G		0.253		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.339	="15262-20-1"	PCI/G		0.329		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.341	0.0967	="14913-50-9"	PCI/G		0.0729		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.305	0.116	="14913-50-9"	PCI/G		0.104		1.00	22.1
3.1.9.E.2	SAMPLE	42387	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.140	=""	PCI/G	UI	0.144		1.00	22.1
3.1.9.E.2	SAMPLE	42405	389303	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.152	=""	PCI/G	UI	0.196		1.00	22.1
3.1.9.E.6	SAMPLE	42325	385077	Actinium-227	R	EPA 901.1	27.4	29.8	14952-40-0	PCI/L	U	54.8		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Actinium-227	R	EPA 901.1	0.00	29.8	14952-40-0	PCI/L	UI	54.8		1.00	100
3.1.9.E.6	SAMPLE	42340	385077	ALPHA	R	EPA 900.0/SW846 9310	-1.65	1.19	12587-46-1	PCI/L	U	3.74	5.00	1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Antimony-125	R	EPA 901.1	-2.19	9.90	14234-35-6	PCI/L	U	17.7		1.00	100
3.1.9.E.6	SAMPLE	42340	385077	BETA	R	EPA 900.0/SW846 9310	-0.673	1.72	12587-47-2	PCI/L	U	3.58	5.00	1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Bismuth-212	R	EPA 901.1	-25	64.8	14913-49-6	PCI/L	U	100		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Bismuth-214	R	EPA 901.1	4.82	14.4	14733-03-0	PCI/L	U	12.9		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Cesium-137	R	EPA 901.1	1.37	4.00	10045-97-3	PCI/L	U	7.47	10.0	1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Cobalt-60	R	EPA 901.1	0.608	4.26	10198-40-0	PCI/L	U	8.12		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Europium-154	R	EPA 901.1	-8.62	11.1	15585-10-1	PCI/L	U	18.5		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Lead-212	R	EPA 901.1	0.00	12.7	15092-94-1	PCI/L	UI	11.1		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Lead-214	R	EPA 901.1	-1.34	10.1	15067-28-4	PCI/L	U	15.9		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Potassium-40	R	EPA 901.1	-43	52.8	13966-00-2	PCI/L	U	88.5		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Protactinium-231	R	EPA 901.1	-68.4	57.1	14331-85-2	PCI/L	U	90.0		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Radium-228	R	EPA 901.1	0.986	21.4	15262-20-1	PCI/L	U	28.5		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Thallium-208	R	EPA 901.1	-5.06	5.07	14913-50-9	PCI/L	U	8.21		1.00	100
3.1.9.E.6	SAMPLE	42325	385077	Tin-126	R	EPA 901.1	-7.98	11.7		PCI/L	U	17.6		1.00	100

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.2.1.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.125	0.289	14952-40-0	PCI/G	U	0.536		1.00	26.1
3.2.1.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.7	4.11	12587-46-1	PCI/G		3.45	4.00	1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0292	0.120	14234-35-6	PCI/G	U	0.229		1.00	26.1
3.2.1.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.9	3.59	12587-47-2	PCI/G		3.73	10.0	1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.723	1.05	14913-49-6	PCI/G	U	1.65		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.641	0.190	14733-03-0	PCI/G		0.166		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.468	0.126	10045-97-3	PCI/G		0.0895	0.100	1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00212	0.0502	10198-40-0	PCI/G	U	0.099		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00831	0.157	15585-10-1	PCI/G	U	0.300		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.144	15092-94-1	PCI/G		0.126		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.983	0.215	15067-28-4	PCI/G		0.173		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.3	1.80	13966-00-2	PCI/G		0.609		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.585	14331-85-2	PCI/G	UI	1.19		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.641	0.190	13982-63-3	PCI/G		0.166		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.856	0.261	15262-20-1	PCI/G		0.377		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.343	0.109	14913-50-9	PCI/G		0.074		1.00	26.1
3.2.1.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.177		PCI/G	UI	0.189		1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.16	0.283	14952-40-0	PCI/G	U	0.488		1.00	26.1
3.2.1.R.5	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	13.7	4.03	12587-46-1	PCI/G		3.88	4.00	1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	-0.0163	0.0308	14596-10-2	PCI/G	U	0.0951	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00147	0.105	14234-35-6	PCI/G	U	0.198		1.00	26.1
3.2.1.R.5	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.9	2.95	12587-47-2	PCI/G		2.20	10.0	1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.889	14913-49-6	PCI/G	UI	1.48		1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.886	0.155	14733-03-0	PCI/G		0.149		1.00	26.1
3.2.1.R.5	SAMPLE	42342	385070	Carbon-13	R	EPA EERF C-01 Modified	-0.282	0.648	14762-75-5	PCI/G	U	1.11	2.00	1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.543	0.0972	10045-97-3	PCI/G		0.0808	0.100	1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0104	0.0271	10198-40-0	PCI/G	U	0.0653		1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	-0.0152	0.0351	OER-100-93	PCI/G	U	0.104	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.00697	0.0387		PCI/G	U	0.0743	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0775	0.0748		PCI/G	X	0.0465	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0576	0.136	15585-10-1	PCI/G	U	0.242		1.00	26.1
3.2.1.R.5	SAMPLE	42340	385070	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.109	0.287	15046-84-1	PCI/G	U	0.447	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.986	0.129	15092-94-1	PCI/G		0.114		1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.997	0.167	15067-28-4	PCI/G		0.154		1.00	26.1
3.2.1.R.5	SAMPLE	42331	385070	Neptunium-237	R	ASTM C 1476-00 Modified	-0.083	0.157	13994-20-2	PCI/G	U	0.485	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42331	385070	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.0398	0.0682	13981-16-3	PCI/G		0.0597	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42331	385070	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0223	0.076	OER-100-70	PCI/G	U	0.188	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42333	385070	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-0.504	6.04	14119-32-5	PCI/G	U	10.5	15.0	1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.8	1.49	13966-00-2	PCI/G		0.603		1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.607	14331-85-2	PCI/G	UI	1.10		1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.886	0.155	13982-63-3	PCI/G		0.149		1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.664	0.346	15262-20-1	PCI/G		0.272		1.00	26.1
3.2.1.R.5	SAMPLE	42340	385070	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.702	0.599	10098-97-2	PCI/G	U	1.38	2.00	1.00	26.1

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.2.1.R.5	SAMPLE	42337	385070	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	1.88	1.70	14133-76-7	PCI/G		2.83	5.00	1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.303	0.0876	14913-50-9	PCI/G		0.0665		1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.992	0.587	14274-82-9	PCI/G		0.663	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	-0.0684	0.279	15594-54-4	PCI/G	U	0.659	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	1.16	0.606	14269-63-7	PCI/G		0.629	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.663	0.431	7440-29-1	PCI/G		0.349	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.064	0.128		PCI/G	U	0.162		1.00	26.1
3.2.1.R.5	SAMPLE	42340	385070	Tritium	R	EPA 906.0 Modified	1.88	2.06	10028-17-8	PCI/G		3.43	6.00	1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	-0.0077	0.0532	14158-29-3	PCI/G	U	0.129	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.738	0.260	13968-55-3/139	PCI/G		0.126	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.159	0.127	15117-96-1/139	PCI/G		0.0683	1.00	1.00	26.1
3.2.1.R.5	SAMPLE	42332	385070	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	1.09	0.312	7440-61-1	PCI/G		0.0681	1.00	1.00	26.1
3.2.1.R.6	SAMPLE	42325	385070	Actinium-227	R	EPA 901.1	6.77	23.6	14952-40-0	PCI/L	U	43.6		1.00	100
3.2.1.R.6	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310	-0.452	1.39	12587-46-1	PCI/L	U	3.15	5.00	1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Antimony-125	R	EPA 901.1	-4.08	8.38	14234-35-6	PCI/L	U	14.3		1.00	100
3.2.1.R.6	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310	2.79	2.91	12587-47-2	PCI/L		4.83	5.00	1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Bismuth-212	R	EPA 901.1	8.13	46.7	14913-49-6	PCI/L	U	88.3		1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Bismuth-214	R	EPA 901.1	0.00	12.9	14733-03-0	PCI/L	UI	12.1		1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Cesium-137	R	EPA 901.1	2.65	3.72	10045-97-3	PCI/L	U	7.33	10.0	1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Cobalt-60	R	EPA 901.1	-2.49	3.56	10198-40-0	PCI/L	U	6.15		1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Europium-154	R	EPA 901.1	-7.84	11.2	15585-10-1	PCI/L	U	16.2		1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Lead-212	R	EPA 901.1	4.34	9.59	15092-94-1	PCI/L	U	11.8		1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Lead-214	R	EPA 901.1	0.00	12.2	15067-28-4	PCI/L	UI	15.3		1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Potassium-40	R	EPA 901.1	-25	44.4	13966-00-2	PCI/L	U	79.5		1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Protactinium-231	R	EPA 901.1	30.0	57.5	14331-85-2	PCI/L	U	80.4		1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Radium-228	R	EPA 901.1	13.2	23.9	15262-20-1	PCI/L	U	31.1		1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Thallium-208	R	EPA 901.1	0.00	4.65	14913-50-9	PCI/L	UI	5.82		1.00	100
3.2.1.R.6	SAMPLE	42325	385070	Tin-126	R	EPA 901.1	-6.92	8.98		PCI/L	U	12.5		1.00	100
3.2.2.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.128	0.281	14952-40-0	PCI/G	U	0.532		1.00	24.3
3.2.2.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.6	3.79	12587-46-1	PCI/G		3.83	4.00	1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0566	0.112	14234-35-6	PCI/G	U	0.219		1.00	24.3
3.2.2.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	18.5	2.88	12587-47-2	PCI/G		2.64	10.0	1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.30	14913-49-6	PCI/G	UI	1.38		1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.964	0.175	14733-03-0	PCI/G		0.136		1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.597	0.0934	10045-97-3	PCI/G		0.0888	0.100	1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0062	0.0496	10198-40-0	PCI/G	U	0.0942		1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0739	0.163	15585-10-1	PCI/G	U	0.327		1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.992	0.161	15092-94-1	PCI/G		0.158		1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.191	15067-28-4	PCI/G		0.165		1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.5	1.67	13966-00-2	PCI/G		0.518		1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.728	14331-85-2	PCI/G	UI	0.939		1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.964	0.175	13982-63-3	PCI/G		0.136		1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.00	0.332	15262-20-1	PCI/G		0.293		1.00	24.3

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.2.2.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.301	0.105	14913-50-9	PCI/G		0.0761		1.00	24.3
3.2.2.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.171		PCI/G	UI	0.122		1.00	24.3
3.2.3.R.1	SAMPLE	42341	385070	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0642	0.286	14952-40-0	PCI/G	U	0.546		1.00	27.1
3.2.3.R.1	SAMPLE	42340	385070	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.1	4.45	12587-46-1	PCI/G		3.90	4.00	1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0231	0.109	14234-35-6	PCI/G	U	0.196		1.00	27.1
3.2.3.R.1	SAMPLE	42340	385070	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	15.0	3.82	12587-47-2	PCI/G		4.91	10.0	1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.09	14913-49-6	PCI/G	UI	1.52		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.780	0.148	14733-03-0	PCI/G		0.152		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.527	0.0938	10045-97-3	PCI/G		0.0788	0.100	1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00422	0.0399	10198-40-0	PCI/G	U	0.0806		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0114	0.112	15585-10-1	PCI/G	U	0.219		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.125	15092-94-1	PCI/G		0.109		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.898	0.165	15067-28-4	PCI/G		0.141		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.1	1.50	13966-00-2	PCI/G		0.488		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.815	14331-85-2	PCI/G	UI	0.933		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.780	0.148	13982-63-3	PCI/G		0.152		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.886	0.277	15262-20-1	PCI/G		0.315		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.276	0.0868	14913-50-9	PCI/G		0.0744		1.00	27.1
3.2.3.R.1	SAMPLE	42341	385070	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.102		PCI/G	UI	0.127		1.00	27.1
3.2.4.R.1	SAMPLE	42341	385068	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.159	0.229	14952-40-0	PCI/G	U	0.438		1.00	25.8
3.2.4.R.1	SAMPLE	42340	385068	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.3	3.60	12587-46-1	PCI/G		3.90	4.00	1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0132	0.101	14234-35-6	PCI/G	U	0.191		1.00	25.8
3.2.4.R.1	SAMPLE	42340	385068	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	19.1	3.10	12587-47-2	PCI/G		2.93	10.0	1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.616	14913-49-6	PCI/G	UI	1.16		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.743	0.148	14733-03-0	PCI/G		0.112		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.556	0.0885	10045-97-3	PCI/G		0.0692	0.100	1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0158	0.035	10198-40-0	PCI/G	U	0.0737		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0443	0.0665	15585-10-1	PCI/G	U	0.187		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.962	0.118	15092-94-1	PCI/G		0.0972		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.896	0.184	15067-28-4	PCI/G		0.304		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	12.4	1.44	13966-00-2	PCI/G		0.639		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.400	0.647	14331-85-2	PCI/G	U	0.953		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.743	0.148	13982-63-3	PCI/G		0.112		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.757	0.237	15262-20-1	PCI/G		0.288		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.233	0.0763	14913-50-9	PCI/G		0.0664		1.00	25.8
3.2.4.R.1	SAMPLE	42341	385068	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.104		PCI/G	UI	0.129		1.00	25.8
3.2.4.R.3	SAMPLE	42341	385068	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.162	0.331	14952-40-0	PCI/G	U	0.667		1.00	18
3.2.4.R.3	SAMPLE	42340	385068	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.5	3.65	12587-46-1	PCI/G		3.82	4.00	1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0327	0.123	14234-35-6	PCI/G	U	0.241		1.00	18
3.2.4.R.3	SAMPLE	42340	385068	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	19.4	3.13	12587-47-2	PCI/G		3.13	10.0	1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.925	14913-49-6	PCI/G	UI	1.98		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.214	14733-03-0	PCI/G		0.129		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.129	0.0839	10045-97-3	PCI/G		0.105	0.100	1.00	18

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.2.4.R.3	SAMPLE	42341	385068	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0185	0.0575	10198-40-0	PCI/G	U	0.108		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.000223	0.173	15585-10-1	PCI/G	U	0.342		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.19	0.174	15092-94-1	PCI/G		0.129		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.882	0.221	15067-28-4	PCI/G		0.215		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.9	1.99	13966-00-2	PCI/G		0.950		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.901	14331-85-2	PCI/G	UI	1.16		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.214	13982-63-3	PCI/G		0.129		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.350	15262-20-1	PCI/G		0.334		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.321	0.115	14913-50-9	PCI/G		0.0949		1.00	18
3.2.4.R.3	SAMPLE	42341	385068	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0598	0.141		PCI/G	U	0.175		1.00	18
3.2.4.R.4	SAMPLE	42341	385068	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0585	0.289	14952-40-0	PCI/G	U	0.545		1.00	8.9
3.2.4.R.4	SAMPLE	42340	385068	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	7.79	3.14	12587-46-1	PCI/G		3.84	4.00	1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00225	0.112	14234-35-6	PCI/G	U	0.205		1.00	8.9
3.2.4.R.4	SAMPLE	42340	385068	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.1	3.13	12587-47-2	PCI/G		3.06	10.0	1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.754	14913-49-6	PCI/G	UI	1.46		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.774	0.174	14733-03-0	PCI/G		0.149		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0806	0.0521	10045-97-3	PCI/G		0.0878	0.100	1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0334	0.0537	10198-40-0	PCI/G	U	0.0943		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0196	0.152	15585-10-1	PCI/G	U	0.298		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.143	15092-94-1	PCI/G		0.128		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.989	0.206	15067-28-4	PCI/G		0.171		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.5	1.67	13966-00-2	PCI/G		0.775		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.760	14331-85-2	PCI/G	UI	0.952		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.774	0.174	13982-63-3	PCI/G		0.149		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.644	0.326	15262-20-1	PCI/G		0.315		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.349	0.0761	14913-50-9	PCI/G		0.0697		1.00	8.9
3.2.4.R.4	SAMPLE	42341	385068	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.170		PCI/G	UI	0.211		1.00	8.9
3.2.4.R.4	MSD	42340	385068	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	98.6	15.0	12587-46-1	%		6.33	4.00	1.00	8.9
3.2.4.R.4	MSD	42340	385068	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	99.5	16.6	12587-47-2	%		4.16	10.0	1.00	8.9
3.2.4.R.4	MS	42340	385068	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	114	15.4	12587-46-1	%		6.11	4.00	1.00	8.9
3.2.4.R.4	MS	42340	385068	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	99.2	15.4	12587-47-2	%		3.82	10.0	1.00	8.9
3.2.4.R.4	DUP	42340	385068	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	10.8	3.38	12587-46-1	PCI/G		3.63	4.00	1.00	8.9
3.2.4.R.4	DUP	42340	385068	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.8	2.57	12587-47-2	PCI/G		2.14	10.0	1.00	8.9
3.2.4.R.5	SAMPLE	42341	385068	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.042	0.264	14952-40-0	PCI/G	U	0.500		1.00	9.87
3.2.4.R.5	SAMPLE	42340	385068	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.3	4.06	12587-46-1	PCI/G		3.97	4.00	1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0114	0.080	14596-10-2	PCI/G	U	0.164	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0101	0.106	14234-35-6	PCI/G	U	0.200		1.00	9.87
3.2.4.R.5	SAMPLE	42340	385068	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	22.3	3.26	12587-47-2	PCI/G		3.20	10.0	1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.93	1.06	14913-49-6	PCI/G		0.957		1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.650	0.197	14733-03-0	PCI/G		0.142		1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Carbon-14	R	EPA EERF C-01 Modified	-0.897	0.756	14762-75-5	PCI/G	U	1.33	2.00	1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0821	0.0612	10045-97-3	PCI/G		0.0811	0.100	1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0119	0.0448	10198-40-0	PCI/G	U	0.0924		1.00	9.87

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qual	MDL	CRDL C	Dilution	% Moist
3.2.4.R.5	SAMPLE	42332	385068	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.044	OER-100-93	PCI/G		0.0654	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.021	0.133		PCI/G	U	0.261	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0494	0.0874		PCI/G		0.132	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0149	0.130	15585-10-1	PCI/G	U	0.261		1.00	9.87
3.2.4.R.5	SAMPLE	42340	385068	Iodine-129	R	DOE EML HASL-300,I-01 Modified	-0.0408	0.283	15046-84-1	PCI/G	U	0.496	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.13	0.137	15092-94-1	PCI/G		0.107		1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.999	0.167	15067-28-4	PCI/G		0.154		1.00	9.87
3.2.4.R.5	SAMPLE	42331	385068	Neptunium-237	R	ASTM C 1476-00 Modified	-0.0331	0.146	13994-20-2	PCI/G	U	0.382	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42331	385068	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	-0.00459	0.0396	13981-16-3	PCI/G	U	0.0917	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42331	385068	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.00153	0.0702	OER-100-70	PCI/G	U	0.154	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42333	385068	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-1.12	6.25	14119-32-5	PCI/G	U	10.8	15.0	1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.5	1.64	13966-00-2	PCI/G		0.577		1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.529	14331-85-2	PCI/G	UI	1.08		1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.650	0.197	13982-63-3	PCI/G		0.142		1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.740	0.344	15262-20-1	PCI/G		0.254		1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.149	0.410	10098-97-2	PCI/G	U	0.857	2.00	1.00	9.87
3.2.4.R.5	SAMPLE	42337	385068	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	1.61	1.50	14133-76-7	PCI/G		2.50	5.00	1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.348	0.080	14913-50-9	PCI/G		0.064		1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.416	0.459	14274-82-9	PCI/G		0.725	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.161	0.261	15594-54-4	PCI/G		0.421	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.796	0.424	14269-63-7	PCI/G		0.318	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	1.14	0.501	7440-29-1	PCI/G		0.342	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42341	385068	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0509	0.118		PCI/G	U	0.136		1.00	9.87
3.2.4.R.5	SAMPLE	42340	385068	Tritium	R	EPA 906.0 Modified	1.83	1.74	10028-17-8	PCI/G		2.83	6.00	1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0125	0.0672	14158-29-3	PCI/G	U	0.126	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.940	0.258	13968-55-3/1399	PCI/G		0.0991	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0897	0.0866	15117-96-1/1399	PCI/G		0.0538	1.00	1.00	9.87
3.2.4.R.5	SAMPLE	42332	385068	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.769	0.233	7440-61-1	PCI/G		0.0537	1.00	1.00	9.87
3.2.4.R.5	MS	42341	385068	Tritium	R	EPA 906.0 Modified	91.4	7.47	10028-17-8	%		4.52	6.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0397	0.0631	14596-10-2	PCI/G		0.0873	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0397	0.0631	14596-10-2	PCI/G	U	0.0873	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0366	OER-100-93	PCI/G		0.0544	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0366	OER-100-93	PCI/G	U	0.0544	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	-0.00374	0.0323		PCI/G	U	0.0748	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	-0.00433	0.0373		PCI/G	U	0.0865	1.00	1.00	9.87
3.2.4.R.5	DUP	42331	385068	Neptunium-237	R	ASTM C 1476-00 Modified	-0.0348	0.154	13994-20-2	PCI/G	U	0.402	1.00	1.00	9.87
3.2.4.R.5	DUP	42331	385068	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.00	0.033	13981-16-3	PCI/G		0.0491	1.00	1.00	9.87
3.2.4.R.5	DUP	42331	385068	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.00	0.033	13981-16-3	PCI/G	U	0.0491	1.00	1.00	9.87
3.2.4.R.5	DUP	42331	385068	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.0333	0.0663	OER-100-70	PCI/G		0.108	1.00	1.00	9.87
3.2.4.R.5	DUP	42331	385068	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.0333	0.0663	OER-100-70	PCI/G	U	0.108	1.00	1.00	9.87
3.2.4.R.5	DUP	42334	385068	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-1.32	5.37	14119-32-5	PCI/G	U	9.33	15.0	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.15	0.748	14274-82-9	PCI/G		0.842	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	-0.0399	0.275	15594-54-4	PCI/G	U	0.670	1.00	1.00	9.87

Area 3															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
3.2.4.R.5	DUP	42332	385068	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.861	0.592	14269-63-7	PCI/G		0.501	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.339	0.400	7440-29-1	PCI/G		0.432	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.339	0.400	7440-29-1	PCI/G	U	0.432	1.00	1.00	9.87
3.2.4.R.5	DUP	42341	385068	Tritium	R	EPA 906.0 Modified	2.00	1.74	10028-17-8	PCI/G		2.80	6.00	1.00	9.87
3.2.4.R.5	DUP	42341	385068	Tritium	R	EPA 906.0 Modified	2.00	1.74	10028-17-8	PCI/G	U	2.80	6.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	-0.0225	0.0732	14158-29-3	PCI/G	U	0.172	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.758	0.250	13968-55-3/139	PCI/G		0.141	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0201	0.0566	15117-96-1/139	PCI/G		0.0604	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0201	0.0566	15117-96-1/139	PCI/G	U	0.0604	1.00	1.00	9.87
3.2.4.R.5	DUP	42332	385068	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.903	0.267	7440-61-1	PCI/G		0.0602	1.00	1.00	9.87