

Appendix F –
Analytical Results by Area

Analytical Results by Area (Area 1)

Area 1																
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab	Qua	MDL	CRDL	C Dilution	% Moist
1.1.C1	SAMPLE	12/3/2015	385101	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.598	0.511	14952-40-0	PCI/G	U		0.703		1.00	32
1.1.C1	SAMPLE	12/2/2015	385101	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	12.6	3.93	12587-46-1	PCI/G			3.89	4.00	1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.143	0.176	14234-35-6	PCI/G	U		0.346		1.00	32
1.1.C1	SAMPLE	12/2/2015	385101	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.5	3.89	12587-47-2	PCI/G			3.57	10.0	1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.236	0.678	14913-49-6	PCI/G	U		1.33		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.740	0.216	14733-03-0	PCI/G			0.200		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	3.64	0.256	10045-97-3	PCI/G			0.108	0.100	1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.011	0.0535	10198-40-0	PCI/G	U		0.112		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0401	0.155	15585-10-1	PCI/G	U		0.316		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.615	0.142	15092-94-1	PCI/G			0.155		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.910	0.196	15067-28-4	PCI/G			0.403		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	10.4	1.92	13966-00-2	PCI/G			0.958		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.936	0.826	14331-85-2	PCI/G	U		1.27		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.740	0.216	13982-63-3	PCI/G			0.200		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.777	0.275	15262-20-1	PCI/G			0.308		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.121	0.102	14913-50-9	PCI/G			0.0968		1.00	32
1.1.C1	SAMPLE	12/3/2015	385101	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0572	0.174		PCI/G	U		0.191		1.00	32
1.1.C2	SAMPLE	12/29/2015	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.039	0.193	14952-40-0	PCI/G	U		0.355		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.189	0.366	14952-40-0	PCI/G	U		0.420		1.00	17.8
1.1.C2	SAMPLE	1/11/2016	388092	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	9.22	1.49	12587-46-1	PCI/G			1.62	4.00	1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0086	0.072	14234-35-6	PCI/G	U		0.134		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00955	0.0883	14234-35-6	PCI/G	U		0.168		1.00	17.8
1.1.C2	SAMPLE	1/11/2016	388092	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	14.3	1.24	12587-47-2	PCI/G			1.28	10.0	1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.409	14913-49-6	PCI/G	UI		0.824		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.04	14913-49-6	PCI/G	UI		1.31		1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.599	0.112	14733-03-0	PCI/G			0.0966		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.814	0.159	14733-03-0	PCI/G			0.119		1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.182	0.0431	10045-97-3	PCI/G			0.0264	0.100	1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.150	0.0613	10045-97-3	PCI/G			0.0615	0.100	1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00744	0.0317	10198-40-0	PCI/G	U		0.0575		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00777	0.0336	10198-40-0	PCI/G	U		0.0701		1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0456	0.0908	15585-10-1	PCI/G	U		0.180		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00312	0.113	15585-10-1	PCI/G	U		0.220		1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.522	0.104	15092-94-1	PCI/G			0.106		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.646	0.119	15092-94-1	PCI/G			0.0981		1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.878	0.146	15067-28-4	PCI/G			0.106		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.946	0.168	15067-28-4	PCI/G			0.296		1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	9.80	1.00	13966-00-2	PCI/G			0.601		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	9.18	1.34	13966-00-2	PCI/G			0.726		1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.561	14331-85-2	PCI/G	U		0.599		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.454	14331-85-2	PCI/G	UI		0.626		1.00	17.8
1.1.C2	SAMPLE	12/29/2015	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.599	0.112	13982-63-3	PCI/G			0.0966		1.00	17.8
1.1.C2	SAMPLE	1/18/2016	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.814	0.159	13982-63-3	PCI/G			0.119		1.00	17.8

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Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C Dilution % Moist
1.1.C2	SAMPLE	12/29/2015	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.663	0.230	15262-20-1	PCI/G		0.169	1.00 17.8
1.1.C2	SAMPLE	1/18/2016	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.685	0.271	15262-20-1	PCI/G		0.223	1.00 17.8
1.1.C2	SAMPLE	12/29/2015	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.248	0.0628	14913-50-9	PCI/G		0.0465	1.00 17.8
1.1.C2	SAMPLE	1/18/2016	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.191	0.0609	14913-50-9	PCI/G		0.0636	1.00 17.8
1.1.C2	SAMPLE	12/29/2015	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0313	0.0955		PCI/G	U	0.130	1.00 17.8
1.1.C2	SAMPLE	1/18/2016	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0805		PCI/G	UI	0.0794	1.00 17.8
1.1.C2	DUP	12/29/2015	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0874	0.193	14952-40-0	PCI/G	U	0.347	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.128	0.273	14952-40-0	PCI/G	U	0.542	1.00 0
1.1.C2	DUP	12/29/2015	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.015	0.0715	14234-35-6	PCI/G	U	0.128	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0514	0.109	14234-35-6	PCI/G	U	0.214	1.00 0
1.1.C2	DUP	12/29/2015	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.574	14913-49-6	PCI/G	UI	0.899	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.454	0.581	14913-49-6	PCI/G	U	1.21	1.00 0
1.1.C2	DUP	12/29/2015	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.670	0.114	14733-03-0	PCI/G		0.0968	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.776	0.187	14733-03-0	PCI/G		0.148	1.00 0
1.1.C2	DUP	12/29/2015	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.174	0.0601	10045-97-3	PCI/G		0.0528	0.100 1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.153	0.0583	10045-97-3	PCI/G		0.075	0.100 1.00 0
1.1.C2	DUP	12/29/2015	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00795	0.0282	10198-40-0	PCI/G	U	0.0531	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0129	0.041	10198-40-0	PCI/G	U	0.0868	1.00 0
1.1.C2	DUP	12/29/2015	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00279	0.0924	15585-10-1	PCI/G	U	0.178	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.113	0.154	15585-10-1	PCI/G	U	0.300	1.00 0
1.1.C2	DUP	12/29/2015	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.621	0.0829	15092-94-1	PCI/G		0.0771	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.677	0.136	15092-94-1	PCI/G		0.139	1.00 0
1.1.C2	DUP	12/29/2015	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.749	0.119	15067-28-4	PCI/G		0.214	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.11	0.206	15067-28-4	PCI/G		0.362	1.00 0
1.1.C2	DUP	12/29/2015	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	10.9	1.05	13966-00-2	PCI/G		0.538	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	9.98	1.34	13966-00-2	PCI/G		0.805	1.00 0
1.1.C2	DUP	12/29/2015	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0317	0.440	14331-85-2	PCI/G	U	0.713	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.633	14331-85-2	PCI/G	UI	1.12	1.00 0
1.1.C2	DUP	12/29/2015	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.670	0.114	13982-63-3	PCI/G		0.0968	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.776	0.187	13982-63-3	PCI/G		0.148	1.00 0
1.1.C2	DUP	12/29/2015	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.603	0.199	15262-20-1	PCI/G		0.223	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.667	0.195	15262-20-1	PCI/G		0.242	1.00 0
1.1.C2	DUP	12/29/2015	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.178	0.0528	14913-50-9	PCI/G		0.0524	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.195	0.0797	14913-50-9	PCI/G		0.0705	1.00 0
1.1.C2	DUP	12/29/2015	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0721		PCI/G	UI	0.101	1.00 17.8
1.1.C2	DUP	1/18/2016	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.145		PCI/G	UI	0.181	1.00 0
1.1.R5	SAMPLE	1/11/2016	387904	Actinium-227	R	EPA 901.1	6.50	33.0	14952-40-0	PCI/L	U	57.3	1.00 100
1.1.R5	SAMPLE	1/5/2016	387904	ALPHA	R	EPA 900.0/SW846 9310	-2.57	1.15	12587-46-1	PCI/L	U	4.15	5.00 1.00 100
1.1.R5	SAMPLE	1/11/2016	387904	Antimony-125	R	EPA 901.1	-4.3	11.5	14234-35-6	PCI/L	U	20.2	1.00 100
1.1.R5	SAMPLE	1/5/2016	387904	BETA	R	EPA 900.0/SW846 9310	-1.44	2.11	12587-47-2	PCI/L	U	4.42	5.00 1.00 100
1.1.R5	SAMPLE	1/11/2016	387904	Bismuth-212	R	EPA 901.1	42.3	67.1	14913-49-6	PCI/L	U	112	1.00 100
1.1.R5	SAMPLE	1/11/2016	387904	Bismuth-214	R	EPA 901.1	0.00	14.9	14733-03-0	PCI/L	UI	18.0	1.00 100
1.1.R5	SAMPLE	1/11/2016	387904	Cesium-137	R	EPA 901.1	0.00	4.73	10045-97-3	PCI/L	UI	9.28	10.0 1.00 100

Area 1															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution	% Moist
1.1.R5	SAMPLE	1/11/2016	387904	Cobalt-60	R	EPA 901.1	1.92	3.80	10198-40-0	PCI/L	U	7.60		1.00	100
1.1.R5	SAMPLE	1/11/2016	387904	Europium-154	R	EPA 901.1	-1.34	9.76	15585-10-1	PCI/L	U	18.1		1.00	100
1.1.R5	SAMPLE	1/11/2016	387904	Lead-212	R	EPA 901.1	6.21	12.8	15092-94-1	PCI/L	U	14.9		1.00	100
1.1.R5	SAMPLE	1/11/2016	387904	Lead-214	R	EPA 901.1	0.00	15.6	15067-28-4	PCI/L	UI	19.4		1.00	100
1.1.R5	SAMPLE	1/11/2016	387904	Potassium-40	R	EPA 901.1	-17	50.7	13966-00-2	PCI/L	U	89.9		1.00	100
1.1.R5	SAMPLE	1/11/2016	387904	Protactinium-231	R	EPA 901.1	11.0	60.1	14331-85-2	PCI/L	U	104		1.00	100
1.1.R5	SAMPLE	1/11/2016	387904	Radium-228	R	EPA 901.1	-2.9	18.7	15262-20-1	PCI/L	U	31.4		1.00	100
1.1.R5	SAMPLE	1/11/2016	387904	Thallium-208	R	EPA 901.1	0.00	7.58	14913-50-9	PCI/L	UI	5.45		1.00	100
1.1.R5	SAMPLE	1/11/2016	387904	Tin-126	R	EPA 901.1	1.19	13.6		PCI/L	U	15.6		1.00	100
1.2.C1	SAMPLE	12/3/2015	385101	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0837	0.370	14952-40-0	PCI/G	U	0.680		1.00	24
1.2.C1	SAMPLE	12/2/2015	385101	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	7.52	3.29	12587-46-1	PCI/G		3.92	4.00	1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0215	0.151	14234-35-6	PCI/G	U	0.281		1.00	24
1.2.C1	SAMPLE	12/2/2015	385101	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	24.5	3.81	12587-47-2	PCI/G		3.69	10.0	1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.529	0.674	14913-49-6	PCI/G	U	1.36		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.909	0.223	14733-03-0	PCI/G		0.201		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	2.52	0.198	10045-97-3	PCI/G		0.102	0.100	1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0114	0.0405	10198-40-0	PCI/G	U	0.0856		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0436	0.133	15585-10-1	PCI/G	U	0.245		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.621	0.130	15092-94-1	PCI/G		0.153		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.926	0.244	15067-28-4	PCI/G		0.205		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	11.7	1.50	13966-00-2	PCI/G		0.645		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.537	0.730	14331-85-2	PCI/G	U	1.32		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.909	0.223	13982-63-3	PCI/G		0.201		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.595	0.287	15262-20-1	PCI/G		0.350		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.246	0.090	14913-50-9	PCI/G		0.0946		1.00	24
1.2.C1	SAMPLE	12/3/2015	385101	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0136	0.166		PCI/G	U	0.262		1.00	24
1.2.C2	SAMPLE	12/29/2015	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.035	0.176	14952-40-0	PCI/G	U	0.343		1.00	15.8
1.2.C2	SAMPLE	1/18/2016	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.017	0.253	14952-40-0	PCI/G	U	0.495		1.00	15.8
1.2.C2	SAMPLE	1/11/2016	388092	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	6.53	1.68	12587-46-1	PCI/G		2.29	4.00	1.00	15.8
1.2.C2	SAMPLE	12/29/2015	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.033	0.0658	14234-35-6	PCI/G	U	0.128		1.00	15.8
1.2.C2	SAMPLE	1/18/2016	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0944	14234-35-6	PCI/G	UI	0.200		1.00	15.8
1.2.C2	SAMPLE	1/11/2016	388092	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	17.0	1.45	12587-47-2	PCI/G		1.69	10.0	1.00	15.8
1.2.C2	SAMPLE	12/29/2015	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.523	14913-49-6	PCI/G	U	0.852		1.00	15.8
1.2.C2	SAMPLE	1/18/2016	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.557	0.587	14913-49-6	PCI/G	U	1.22		1.00	15.8
1.2.C2	SAMPLE	12/29/2015	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.605	0.126	14733-03-0	PCI/G		0.0912		1.00	15.8
1.2.C2	SAMPLE	1/18/2016	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.730	0.170	14733-03-0	PCI/G		0.131		1.00	15.8
1.2.C2	SAMPLE	12/29/2015	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.139	0.0437	10045-97-3	PCI/G		0.051	0.100	1.00	15.8
1.2.C2	SAMPLE	1/18/2016	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.143	0.0636	10045-97-3	PCI/G		0.0815	0.100	1.00	15.8
1.2.C2	SAMPLE	12/29/2015	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0124	0.030	10198-40-0	PCI/G	U	0.0606		1.00	15.8
1.2.C2	SAMPLE	1/18/2016	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00831	0.0387	10198-40-0	PCI/G	U	0.0741		1.00	15.8
1.2.C2	SAMPLE	12/29/2015	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0494	0.128	15585-10-1	PCI/G	U	0.180		1.00	15.8
1.2.C2	SAMPLE	1/18/2016	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0202	0.147	15585-10-1	PCI/G	U	0.276		1.00	15.8
1.2.C2	SAMPLE	12/29/2015	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.715	0.132	15092-94-1	PCI/G		0.0806		1.00	15.8

Area 1															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution % Moist	
1.2.C2	SAMPLE	1/18/2016	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.892	0.126	15092-94-1	PCI/G		0.117	1.00	15.8	
1.2.C2	SAMPLE	12/29/2015	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.812	0.114	15067-28-4	PCI/G		0.200	1.00	15.8	
1.2.C2	SAMPLE	1/18/2016	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.03	0.209	15067-28-4	PCI/G		0.131	1.00	15.8	
1.2.C2	SAMPLE	12/29/2015	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.0	1.06	13966-00-2	PCI/G		0.348	1.00	15.8	
1.2.C2	SAMPLE	1/18/2016	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.7	1.52	13966-00-2	PCI/G		0.670	1.00	15.8	
1.2.C2	SAMPLE	12/29/2015	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.388	14331-85-2	PCI/G	U	0.530	1.00	15.8	
1.2.C2	SAMPLE	1/18/2016	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.189	0.521	14331-85-2	PCI/G	U	0.843	1.00	15.8	
1.2.C2	SAMPLE	12/29/2015	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.605	0.126	13982-63-3	PCI/G		0.0912	1.00	15.8	
1.2.C2	SAMPLE	1/18/2016	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.730	0.170	13982-63-3	PCI/G		0.131	1.00	15.8	
1.2.C2	SAMPLE	12/29/2015	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.456	0.233	15262-20-1	PCI/G		0.159	1.00	15.8	
1.2.C2	SAMPLE	1/18/2016	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.932	0.262	15262-20-1	PCI/G		0.295	1.00	15.8	
1.2.C2	SAMPLE	12/29/2015	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.226	0.0531	14913-50-9	PCI/G		0.0445	1.00	15.8	
1.2.C2	SAMPLE	1/18/2016	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.185	0.080	14913-50-9	PCI/G		0.0679	1.00	15.8	
1.2.C2	SAMPLE	12/29/2015	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.107		PCI/G	UI	0.129	1.00	15.8	
1.2.C2	SAMPLE	1/18/2016	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0471	0.140		PCI/G	U	0.161	1.00	15.8	
1.3.C1	SAMPLE	12/3/2015	385101	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0109	0.316	14952-40-0	PCI/G	U	0.586	1.00	39.2	
1.3.C1	SAMPLE	12/2/2015	385101	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	7.84	3.45	12587-46-1	PCI/G		3.97	4.00	1.00	39.2
1.3.C1	SAMPLE	12/3/2015	385101	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.152	14234-35-6	PCI/G	UI	0.314	1.00	39.2	
1.3.C1	SAMPLE	12/2/2015	385101	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	25.6	3.77	12587-47-2	PCI/G		3.05	10.0	1.00	39.2
1.3.C1	SAMPLE	12/3/2015	385101	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.08	14913-49-6	PCI/G	UI	2.21	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.802	0.242	14733-03-0	PCI/G		0.194	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.406	0.144	10045-97-3	PCI/G		0.109	0.100	1.00	39.2
1.3.C1	SAMPLE	12/3/2015	385101	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0075	0.0663	10198-40-0	PCI/G	U	0.136	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.165	0.187	15585-10-1	PCI/G	U	0.429	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Lead-210	R	DOE HASL 300, 4.5.2.3/Ga-01-R	3.71	0.987	14255-04-0	PCI/G		0.993	4.00	1.00	39.2
1.3.C1	SAMPLE	12/3/2015	385101	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.879	0.137	15092-94-1	PCI/G		0.156	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.930	0.237	15067-28-4	PCI/G		0.222	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.3	2.24	13966-00-2	PCI/G		0.904	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.752	14331-85-2	PCI/G	UI	1.33	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.802	0.242	13982-63-3	PCI/G		0.194	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.03	0.402	15262-20-1	PCI/G		0.434	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.369	0.107	14913-50-9	PCI/G		0.104	1.00	39.2	
1.3.C1	SAMPLE	12/3/2015	385101	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0942		PCI/G	UI	0.106	1.00	39.2	
1.3.C2	SAMPLE	12/29/2015	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0784	0.231	14952-40-0	PCI/G	U	0.413	1.00	21.6	
1.3.C2	SAMPLE	1/18/2016	388092	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.166	0.311	14952-40-0	PCI/G	U	0.595	1.00	21.6	
1.3.C2	SAMPLE	1/11/2016	388092	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.1	2.15	12587-46-1	PCI/G		2.78	4.00	1.00	21.6
1.3.C2	SAMPLE	12/29/2015	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0254	0.0997	14234-35-6	PCI/G	U	0.166	1.00	21.6	
1.3.C2	SAMPLE	1/18/2016	388092	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0396	0.116	14234-35-6	PCI/G	U	0.203	1.00	21.6	
1.3.C2	SAMPLE	1/11/2016	388092	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	21.2	1.80	12587-47-2	PCI/G		2.19	10.0	1.00	21.6
1.3.C2	SAMPLE	12/29/2015	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.39	0.700	14913-49-6	PCI/G		0.852	1.00	21.6	
1.3.C2	SAMPLE	1/18/2016	388092	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.07	14913-49-6	PCI/G	UI	1.59	1.00	21.6	
1.3.C2	SAMPLE	12/29/2015	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.678	0.122	14733-03-0	PCI/G		0.114	1.00	21.6	
1.3.C2	SAMPLE	1/18/2016	388092	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.08	0.170	14733-03-0	PCI/G		0.152	1.00	21.6	

Area 1														
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C	Dilution % Moist
1.3.C2	SAMPLE	12/29/2015	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.405	0.0678	10045-97-3	PCI/G		0.0658	0.100	1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.482	0.0947	10045-97-3	PCI/G		0.0637	0.100	1.00 21.6
1.3.C2	SAMPLE	12/29/2015	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0136	0.0426	10198-40-0	PCI/G	U	0.0739		1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0129	0.0444	10198-40-0	PCI/G	U	0.0907		1.00 21.6
1.3.C2	SAMPLE	12/29/2015	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0175	0.121	15585-10-1	PCI/G	U	0.217		1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0122	0.138	15585-10-1	PCI/G	U	0.268		1.00 21.6
1.3.C2	SAMPLE	12/29/2015	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.06	0.104	15092-94-1	PCI/G		0.0882		1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.07	0.138	15092-94-1	PCI/G		0.126		1.00 21.6
1.3.C2	SAMPLE	12/29/2015	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.776	0.142	15067-28-4	PCI/G		0.129		1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.31	0.211	15067-28-4	PCI/G		0.388		1.00 21.6
1.3.C2	SAMPLE	12/29/2015	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	15.2	1.34	13966-00-2	PCI/G		0.547		1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.2	1.72	13966-00-2	PCI/G		0.877		1.00 21.6
1.3.C2	SAMPLE	12/29/2015	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.728	14331-85-2	PCI/G	U	0.769		1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.623	14331-85-2	PCI/G	UI	1.05		1.00 21.6
1.3.C2	SAMPLE	12/29/2015	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.678	0.122	13982-63-3	PCI/G		0.114		1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.08	0.170	13982-63-3	PCI/G		0.152		1.00 21.6
1.3.C2	SAMPLE	12/29/2015	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.03	0.216	15262-20-1	PCI/G		0.215		1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.02	0.272	15262-20-1	PCI/G		0.309		1.00 21.6
1.3.C2	SAMPLE	12/29/2015	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.286	0.0695	14913-50-9	PCI/G		0.0568		1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.360	0.0938	14913-50-9	PCI/G		0.0771		1.00 21.6
1.3.C2	SAMPLE	12/29/2015	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.113		PCI/G	U	0.111		1.00 21.6
1.3.C2	SAMPLE	1/18/2016	388092	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.130		PCI/G	UI	0.209		1.00 21.6
1.3.C5	SAMPLE	12/3/2015	385101	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.181	0.293	14952-40-0	PCI/G	U	0.568		1.00 39.7
1.3.C5	SAMPLE	12/2/2015	385101	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	9.43	3.61	12587-46-1	PCI/G		3.99	4.00	1.00 39.7
1.3.C5	SAMPLE	11/24/2015	385101	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0173	0.0593	14596-10-2	PCI/G	U	0.110	1.00	1.00 39.7
1.3.C5	SAMPLE	12/3/2015	385101	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0603	0.109	14234-35-6	PCI/G	U	0.213		1.00 39.7
1.3.C5	SAMPLE	12/2/2015	385101	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	27.0	3.46	12587-47-2	PCI/G		2.52	10.0	1.00 39.7
1.3.C5	SAMPLE	12/3/2015	385101	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.39	0.906	14913-49-6	PCI/G		1.12		1.00 39.7
1.3.C5	SAMPLE	12/3/2015	385101	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.803	0.169	14733-03-0	PCI/G		0.156		1.00 39.7
1.3.C5	SAMPLE	12/4/2015	385101	Carbon-14	R	EPA EERF C-01 Modified	-0.459	0.768	14762-75-5	PCI/G	U	1.32	2.00	1.00 39.7
1.3.C5	SAMPLE	12/3/2015	385101	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.481	0.110	10045-97-3	PCI/G		0.0796	0.100	1.00 39.7
1.3.C5	SAMPLE	12/3/2015	385101	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00427	0.0412	10198-40-0	PCI/G	U	0.0788		1.00 39.7
1.3.C5	SAMPLE	11/24/2015	385101	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	-0.00457	0.0394	OER-100-93	PCI/G	U	0.0913	1.00	1.00 39.7
1.3.C5	SAMPLE	11/24/2015	385101	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	-0.0119	0.0359		PCI/G	U	0.101	1.00	1.00 39.7
1.3.C5	SAMPLE	11/24/2015	385101	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0382	0.0654		PCI/G		0.0573	1.00	1.00 39.7
1.3.C5	SAMPLE	12/3/2015	385101	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0118	0.149	15585-10-1	PCI/G	U	0.277		1.00 39.7
1.3.C5	SAMPLE	12/2/2015	385101	Iodine-129	R	DOE EML HASL-300, I-01 Modified	0.130	0.576	15046-84-1	PCI/G	U	0.928	1.00	1.00 39.7
1.3.C5	SAMPLE	12/3/2015	385101	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.928	0.127	15092-94-1	PCI/G		0.112		1.00 39.7
1.3.C5	SAMPLE	12/3/2015	385101	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.08	0.188	15067-28-4	PCI/G		0.384		1.00 39.7
1.3.C5	SAMPLE	11/23/2015	385101	Neptunium-237	R	ASTM C 1476-00 Modified	-0.146	0.252	13994-20-2	PCI/G	U	0.714	1.00	1.00 39.7
1.3.C5	SAMPLE	11/23/2015	385101	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	-0.0042	0.0363	13981-16-3	PCI/G	U	0.084	1.00	1.00 39.7
1.3.C5	SAMPLE	11/23/2015	385101	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.0147	0.0734	OER-100-70	PCI/G	U	0.147	1.00	1.00 39.7
1.3.C5	SAMPLE	11/25/2015	385101	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-1.82	5.80	14119-32-5	PCI/G	U	10.1	15.0	1.00 39.7

Area 1															
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL	C Dilution	% Moist
1.3.C5	SAMPLE	12/3/2015	385101	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	14.2	1.66	13966-00-2	PCI/G		0.807		1.00	39.7
1.3.C5	SAMPLE	12/3/2015	385101	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0888	0.620	14331-85-2	PCI/G	U	1.03		1.00	39.7
1.3.C5	SAMPLE	12/3/2015	385101	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.803	0.169	13982-63-3	PCI/G		0.156		1.00	39.7
1.3.C5	SAMPLE	12/3/2015	385101	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.665	0.382	15262-20-1	PCI/G		0.300		1.00	39.7
1.3.C5	SAMPLE	12/2/2015	385101	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.321	0.889	10098-97-2	PCI/G	U	1.76	2.00	1.00	39.7
1.3.C5	SAMPLE	11/29/2015	385101	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	1.57	2.00	14133-76-7	PCI/G	U	3.38	5.00	1.00	39.7
1.3.C5	SAMPLE	12/3/2015	385101	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.354	0.0817	14913-50-9	PCI/G		0.0704		1.00	39.7
1.3.C5	SAMPLE	11/24/2015	385101	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	1.40	0.595	14274-82-9	PCI/G		0.449	1.00	1.00	39.7
1.3.C5	SAMPLE	11/24/2015	385101	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	-0.0406	0.122	15594-54-4	PCI/G	U	0.344	1.00	1.00	39.7
1.3.C5	SAMPLE	11/24/2015	385101	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	0.803	0.444	14269-63-7	PCI/G		0.343	1.00	1.00	39.7
1.3.C5	SAMPLE	11/24/2015	385101	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.616	0.381	7440-29-1	PCI/G		0.168	1.00	1.00	39.7
1.3.C5	SAMPLE	12/3/2015	385101	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.163		PCI/G	UI	0.130		1.00	39.7
1.3.C5	SAMPLE	12/2/2015	385101	Tritium	R	EPA 906.0 Modified	2.71	2.71	10028-17-8	PCI/G		4.45	6.00	1.00	39.7
1.3.C5	SAMPLE	11/24/2015	385101	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0644	0.127	14158-29-3	PCI/G	U	0.225	1.00	1.00	39.7
1.3.C5	SAMPLE	11/24/2015	385101	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.656	0.320	13968-55-3/139	PCI/G		0.261	1.00	1.00	39.7
1.3.C5	SAMPLE	11/24/2015	385101	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0709	0.121	15117-96-1/139	PCI/G		0.106	1.00	1.00	39.7
1.3.C5	SAMPLE	11/24/2015	385101	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	0.954	0.367	7440-61-1	PCI/G		0.106	1.00	1.00	39.7
1.3.C6	SAMPLE	12/3/2015	385101	Actinium-227	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.478	0.464	14952-40-0	PCI/G	U	0.775		1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	7.80	3.22	12587-46-1	PCI/G		3.91	4.00	1.00	23.6
1.3.C6	SAMPLE	11/24/2015	385101	Americium-241	R	DOE EML HASL-300, Am-05-RC Modified	0.0315	0.062	14596-10-2	PCI/G		0.0859	1.00	1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Antimony-125	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.0263	0.202	14234-35-6	PCI/G	U	0.369		1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	18.3	2.99	12587-47-2	PCI/G		2.69	10.0	1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Bismuth-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.725	1.19	14913-49-6	PCI/G	U	2.35		1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Bismuth-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.08	0.289	14733-03-0	PCI/G		0.255		1.00	23.6
1.3.C6	SAMPLE	12/4/2015	385101	Carbon-14	R	EPA EERF C-01 Modified	-0.833	0.891	14762-75-5	PCI/G	U	1.55	2.00	1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Cesium-137	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.357	0.122	10045-97-3	PCI/G		0.178	0.100	1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Cobalt-60	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0195	0.0816	10198-40-0	PCI/G	U	0.153		1.00	23.6
1.3.C6	SAMPLE	11/24/2015	385101	Curium-242	R	DOE EML HASL-300, Am-05-RC Modified	0.00	0.0412	OER-100-93	PCI/G		0.0613	1.00	1.00	23.6
1.3.C6	SAMPLE	11/24/2015	385101	Curium-243/244	R	DOE EML HASL-300, Am-05-RC Modified	0.00921	0.0512		PCI/G	U	0.0981	1.00	1.00	23.6
1.3.C6	SAMPLE	11/24/2015	385101	Curium-245/246	R	DOE EML HASL-300, Am-05-RC Modified	0.0361	0.0709		PCI/G		0.0983	1.00	1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Europium-154	R	DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00356	0.241	15585-10-1	PCI/G	U	0.468		1.00	23.6
1.3.C6	SAMPLE	12/2/2015	385101	Iodine-129	R	DOE EML HASL-300, I-01 Modified	0.214	0.383	15046-84-1	PCI/G	U	0.769	1.00	1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Lead-212	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.34	0.197	15092-94-1	PCI/G		0.181		1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Lead-214	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.09	0.363	15067-28-4	PCI/G		0.580		1.00	23.6
1.3.C6	SAMPLE	11/23/2015	385101	Neptunium-237	R	ASTM C 1476-00 Modified	-0.0342	0.236	13994-20-2	PCI/G	U	0.575	1.00	1.00	23.6
1.3.C6	SAMPLE	11/23/2015	385101	Plutonium-238	R	DOE EML HASL-300, Pu-11-RC Modified	0.00979	0.0544	13981-16-3	PCI/G	U	0.104	1.00	1.00	23.6
1.3.C6	SAMPLE	11/23/2015	385101	Plutonium-239/240	R	DOE EML HASL-300, Pu-11-RC Modified	0.00677	0.0799	OER-100-70	PCI/G	U	0.168	1.00	1.00	23.6
1.3.C6	SAMPLE	11/25/2015	385101	Plutonium-241	R	DOE EML HASL-300, Pu-11-RC Modified	-2.07	6.40	14119-32-5	PCI/G	U	11.2	15.0	1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Potassium-40	R	DOE HASL 300, 4.5.2.3/Ga-01-R	13.9	2.27	13966-00-2	PCI/G		1.05		1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Protactinium-231	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.801	0.980	14331-85-2	PCI/G	U	1.81		1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Radium-226	R	DOE HASL 300, 4.5.2.3/Ga-01-R	1.08	0.289	13982-63-3	PCI/G		0.255		1.00	23.6
1.3.C6	SAMPLE	12/3/2015	385101	Radium-228	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.892	0.403	15262-20-1	PCI/G		0.526		1.00	23.6
1.3.C6	SAMPLE	12/2/2015	385101	Strontium-90	R	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	-0.122	0.659	10098-97-2	PCI/G	U	1.34	2.00	1.00	23.6

Area 1													
Sample No.	Type	Analyzed	SDG	Parameter	Fraction	Method	Result	Uncertainty	CAS	Units	Lab Qua	MDL	CRDL C-Dilution I % Moist
1.3.C6	SAMPLE	11/29/2015	385101	Technetium-99	R	DOE EML HASL-300, Tc-02-RC Modified	1.60	1.76	14133-76-7	PCI/G		2.95	5.00 1.00 23.6
1.3.C6	SAMPLE	12/3/2015	385101	Thallium-208	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.381	0.168	14913-50-9	PCI/G		0.131	1.00 23.6
1.3.C6	SAMPLE	11/24/2015	385101	Thorium-228	R	DOE EML HASL-300, Th-01-RC Modified	0.984	0.482	14274-82-9	PCI/G		0.395	1.00 1.00 23.6
1.3.C6	SAMPLE	11/24/2015	385101	Thorium-229	R	DOE EML HASL-300, Th-01-RC Modified	0.131	0.207	15594-54-4	PCI/G		0.287	1.00 1.00 23.6
1.3.C6	SAMPLE	11/24/2015	385101	Thorium-230	R	DOE EML HASL-300, Th-01-RC Modified	1.16	0.498	14269-63-7	PCI/G		0.286	1.00 1.00 23.6
1.3.C6	SAMPLE	11/24/2015	385101	Thorium-232	R	DOE EML HASL-300, Th-01-RC Modified	0.979	0.452	7440-29-1	PCI/G		0.155	1.00 1.00 23.6
1.3.C6	SAMPLE	12/3/2015	385101	Tin-126	R	DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.185		PCI/G	UI	0.177	1.00 23.6
1.3.C6	SAMPLE	12/2/2015	385101	Tritium	R	EPA 906.0 Modified	1.95	2.00	10028-17-8	PCI/G		3.30	6.00 1.00 23.6
1.3.C6	SAMPLE	11/24/2015	385101	Uranium-232	R	DOE EML HASL-300, U-02-RC Modified	0.0473	0.121	14158-29-3	PCI/G	U	0.222	1.00 1.00 23.6
1.3.C6	SAMPLE	11/24/2015	385101	Uranium-233/234	R	DOE EML HASL-300, U-02-RC Modified	0.799	0.301	13968-55-3/139	PCI/G		0.214	1.00 1.00 23.6
1.3.C6	SAMPLE	11/24/2015	385101	Uranium-235/236	R	DOE EML HASL-300, U-02-RC Modified	0.0469	0.0921	15117-96-1/139	PCI/G		0.128	1.00 1.00 23.6
1.3.C6	SAMPLE	11/24/2015	385101	Uranium-238	R	DOE EML HASL-300, U-02-RC Modified	1.14	0.345	7440-61-1	PCI/G		0.0796	1.00 1.00 23.6
1.3.C6	MSD	12/3/2015	385101	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	80.3	13.2	12587-46-1	%		5.73	4.00 1.00 23.6
1.3.C6	MSD	12/3/2015	385101	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	97.1	17.4	12587-47-2	%		5.68	10.0 1.00 23.6
1.3.C6	MS	12/2/2015	385101	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	96.6	16.0	12587-46-1	%		7.76	4.00 1.00 23.6
1.3.C6	MS	12/2/2015	385101	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	99.8	17.4	12587-47-2	%		6.22	10.0 1.00 23.6
1.3.C6	DUP	12/3/2015	385101	ALPHA	R	EPA 900.0/SW846 9310/SM 7110B Modified	11.5	3.55	12587-46-1	PCI/G		3.63	4.00 1.00 23.6
1.3.C6	DUP	12/3/2015	385101	BETA	R	EPA 900.0/SW846 9310/SM 7110B Modified	23.2	2.99	12587-47-2	PCI/G		2.17	10.0 1.00 23.6