

Sample_No	Lab_Id	laboratory	Batch_No	Assoc_Blnk	Sample_T	Analyte_T	Coll_date	Rec_date	Ext_date	Anal_date	SDG	Parameter	FracMethod	Lab_Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Dil_Factor	Pct_Moist
HO.1.1	405240001	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modific	12.0	3.47	12587-46-1	PCI/G	Hh	3.93	4.00	1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.139	0.209	14952-40-0	PCI/G	HUh	0.434		1.00	15.8
HO.1.1	405240001	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	0.00385	0.0402	14596-10-2	PCI/G	HUh	0.084	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0139	0.0981	14234-35-6	PCI/G	HUh	0.193		1.00	15.8
HO.1.1	405240001	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modific	21.7	2.47	12587-47-2	PCI/G	Hh	1.93	10.0	1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.502	0.514	14913-49-6	PCI/G	HUh	1.13		1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.755	0.177	14733-03-0	PCI/G	Hh	0.148		1.00	15.8
HO.1.1	405240001	GEL	1598055	1203626057	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Carbon-14	R EPA EERF C-01 Modified	-0.319	0.669	14762-75-5	PCI/G	HUh	1.16	2.00	1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0787	10045-97-3	PCI/G	HUh	0.0739	0.100	1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00356	0.0358	10198-40-0	PCI/G	HUh	0.0668		1.00	15.8
HO.1.1	405240001	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	0.0437	0.123	OER-100-9	PCI/G	Hh	0.131	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	-0.0167	0.0317		PCI/G	HUh	0.0977	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.0591	0.0697		PCI/G	Hh	0.0754	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0114	0.111	15585-10-1	PCI/G	HUh	0.224		1.00	15.8
HO.1.1	405240001	GEL	1598666	1203627535	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300,l-01 Modified	0.356	0.381	15046-84-1	PCI/G	HUh	0.923	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.723	0.139	15092-94-1	PCI/G	Hh	0.110		1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.998	0.177	15067-28-4	PCI/G	Hh	0.309		1.00	15.8
HO.1.1	405240001	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	0.059	0.202	13994-20-2	PCI/G	HUh	0.374	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	0.00	0.0759	13981-16-3	PCI/G	Hh	0.115	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	0.0182	0.108	OER-100-7	PCI/G	HUh	0.211	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	5.27	6.69	14119-32-5	PCI/G	HUh	11.3	15.0	1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	12.1	1.50	13966-00-2	PCI/G	Hh	0.447		1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.119	0.416	14331-85-2	PCI/G	HUh	0.830		1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.755	0.177	13982-63-3	PCI/G	Hh	0.148		1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.689	0.260	15262-20-1	PCI/G	Hh	0.246		1.00	15.8
HO.1.1	405240001	GEL	1597807	1203625428	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	-0.897	0.734	10098-97-2	PCI/G	HUh	1.56	2.00	1.00	15.8
HO.1.1	405240001	GEL	1597418	1203624314	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	-0.532	1.32	14133-76-7	PCI/G	HUh	2.28	5.00	1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.241	0.0769	14913-50-9	PCI/G	Hh	0.0697		1.00	15.8
HO.1.1	405240001	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	0.728	0.590	14274-82-9	PCI/G	Hh	0.727	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	0.118	0.267	15594-54-4	PCI/G	HUh	0.459	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	0.639	0.449	14269-63-7	PCI/G	Hh	0.457	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	0.554	0.407	7440-29-1	PCI/G	Hh	0.360	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00664	0.145		PCI/G	HUh	0.173		1.00	15.8
HO.1.1	405240001	GEL	1597481	1203624533	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/20/16	405240	Tritium	R EPA 906.0 Modified	0.625	2.10	10028-17-8	PCI/G	HUh	3.72	6.00	1.00	15.8
HO.1.1	405240001	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	-0.00375	0.0562	14158-29-3	PCI/G	HUh	0.131	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	0.611	0.225	13968-55-3	PCI/G	Hh	0.123	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.0963	0.0981	15117-96-1	PCI/G	Hh	0.097	1.00	1.00	15.8
HO.1.1	405240001	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.676	0.235	7440-61-1	PCI/G	Hh	0.112	1.00	1.00	15.8
HO.1.2	405240002	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modific	6.35	3.11	12587-46-1	PCI/G	Hh	3.95	4.00	1.00	15.5
HO.1.2	405240002	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.136	0.216	14952-40-0	PCI/G	HUh	0.417		1.00	15.5
HO.1.2	405240002	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	0.0336	0.0534	14596-10-2	PCI/G	Hh	0.0739	1.00	1.00	15.5
HO.1.2	405240002	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0491	0.0912	14234-35-6	PCI/G	HUh	0.168		1.00	15.5
HO.1.2	405240002	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modific	23.3	3.57	12587-47-2	PCI/G	Hh	3.94	10.0	1.00	15.5
HO.1.2	405240002	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	0													

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HO.1.2	405240002	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	1.24	0.779	14274-82-9	PCI/G	Hh	0.889	1.00	1.00	15.5
HO.1.2	405240002	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	-0.0619	0.267	15594-54-4	PCI/G	HUh	0.648	1.00	1.00	15.5
HO.1.2	405240002	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	0.477	0.420	14269-63-7	PCI/G	Hh	0.492	1.00	1.00	15.5
HO.1.2	405240002	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	0.579	0.438	7440-29-1	PCI/G	Hh	0.427	1.00	1.00	15.5
HO.1.2	405240002	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0803		PCI/G	HUlh	0.0649		1.00	15.5
HO.1.2	405240002	GEL	1597481	1203624533	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/20/16	405240	Tritium	R EPA 906.0 Modified	0.438	2.17	10028-17-8	PCI/G	HUh	3.89	6.00	1.00	15.5
HO.1.2	405240002	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	-0.00729	0.0504	14158-29-3	PCI/G	HUh	0.123	1.00	1.00	15.5
HO.1.2	405240002	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	0.616	0.237	13968-55-3	PCI/G	Hh	0.124	1.00	1.00	15.5
HO.1.2	405240002	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.152	0.125	15117-96-1	PCI/G	Hh	0.108	1.00	1.00	15.5
HO.1.2	405240002	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.482	0.211	7440-61-1	PCI/G	Hh	0.124	1.00	1.00	15.5
HO.1.5	405240003	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modified	13.6	3.54	12587-46-1	PCI/G	Hh	3.92	4.00	1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.125	0.212	14952-40-0	PCI/G	HUh	0.413		1.00	16.8
HO.1.5	405240003	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	0.0549	0.0873	14596-10-2	PCI/G	Hh	0.121	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0019	0.0934	14234-35-6	PCI/G	HUh	0.186		1.00	16.8
HO.1.5	405240003	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modified	19.1	2.79	12587-47-2	PCI/G	Hh	3.33	10.0	1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00808	0.487	14913-49-6	PCI/G	HUh	0.933		1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.603	0.172	14733-03-0	PCI/G	Hh	0.133		1.00	16.8
HO.1.5	405240003	GEL	1598055	1203626057	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	0.272	0.663	14762-75-5	PCI/G	HUh	1.13	2.00	1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.164	0.0681	10045-97-3	PCI/G	Hh	0.063	0.100	1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0116	0.0334	10198-40-0	PCI/G	HUh	0.076		1.00	16.8
HO.1.5	405240003	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	-0.0166	0.143	OER-100-9	PCI/G	HUh	0.332	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	-0.00442	0.0663		PCI/G	HUh	0.155	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.0628	0.0998		PCI/G	Hh	0.138	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0545	0.117	15585-10-1	PCI/G	HUh	0.256		1.00	16.8
HO.1.5	405240003	GEL	1598666	1203627535	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300,I-01 Modified	0.132	0.350	15046-84-1	PCI/G	HUh	1.00	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.619	0.156	15092-94-1	PCI/G	Hh	0.111		1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.802	0.176	15067-28-4	PCI/G	Hh	0.123		1.00	16.8
HO.1.5	405240003	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	-0.0228	0.197	13994-20-2	PCI/G	HUh	0.456	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	0.0358	0.194	13981-16-3	PCI/G	HUh	0.372	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	-0.0164	0.137	OER-100-7	PCI/G	HUh	0.322	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	-1.82	7.56	14119-32-5	PCI/G	HUh	13.0	15.0	1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	12.0	1.48	13966-00-2	PCI/G	Hh	0.596		1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.654	14331-85-2	PCI/G	HUlh	0.778		1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.603	0.172	13982-63-3	PCI/G	Hh	0.133		1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.233	15262-20-1	PCI/G	HUlh	0.535		1.00	16.8
HO.1.5	405240003	GEL	1597807	1203625428	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	-0.121	0.641	10098-97-2	PCI/G	HUh	1.24	2.00	1.00	16.8
HO.1.5	405240003	GEL	1597418	1203624314	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	0.282	1.59	14133-76-7	PCI/G	HUh	2.72	5.00	1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.214	0.0829	14913-50-9	PCI/G	Hh	0.0606		1.00	16.8
HO.1.5	405240003	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	0.330	0.599	14274-82-9	PCI/G	Hh	0.972	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	-0.143	0.325	15594-54-4	PCI/G	HUh	0.887	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	0.698	0.650	14269-63-7	PCI/G	Hh	0.855	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	0.842	0.637	7440-29-1	PCI/G	Hh	0.621	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0968		PCI/G	HUlh	0.116		1.00	16.8
HO.1.5	405240003	GEL	1597481	1203624533	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/20/16	405240	Tritium	R EPA 906.0 Modified	2.46	2.91	10028-17-8	PCI/G	Hh	4.91	6.00	1.00	16.8
HO.1.5	405240003	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	0.0765	0.0931	14158-29-3	PCI/G	Hh	0.125	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	1.36	0.690	13968-55-3	PCI/G	Hh	0.256	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	-0.0205	0.177	15117-96-1	PCI/G	HUh	0.410	1.00	1.00	16.8
HO.1.5	405240003	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	1.00	0.605	7440-						

Sample_No	Lab_Id	laboratory	Batch_No	Assoc_Blnk	Sample_T	Analyte_T	Coll_date	Rec_date	Ext_date	Anal_date	SDG	Parameter	FracMethod	Lab_Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Dil_Factor	Pct_Moist
HO.1.6	405240004	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	-0.0038	0.0577	13981-16-3	PCI/G	HUh	0.124	1.00	1.00	14.9
HO.1.6	405240004	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	-0.0227	0.0597	OER-100-7	PCI/G	HUh	0.176	1.00	1.00	14.9
HO.1.6	405240004	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	-3.9	5.19	14119-32-5	PCI/G	HUh	9.00	15.0	1.00	14.9
HO.1.6	405240004	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	12.2	1.60	13966-00-2	PCI/G	Hh	0.705		1.00	14.9
HO.1.6	405240004	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.383	0.491	14331-85-2	PCI/G	HUh	0.999		1.00	14.9
HO.1.6	405240004	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.830	0.182	13982-63-3	PCI/G	Hh	0.164		1.00	14.9
HO.1.6	405240004	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.817	0.292	15262-20-1	PCI/G	Hh	0.266		1.00	14.9
HO.1.6	405240004	GEL	1597807	1203625428	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	-0.594	0.520	10098-97-2	PCI/G	HUh	1.24	2.00	1.00	14.9
HO.1.6	405240004	GEL	1597418	1203624314	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	0.288	1.46	14133-76-7	PCI/G	HUh	2.50	5.00	1.00	14.9
HO.1.6	405240004	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.230	0.0692	14913-50-9	PCI/G	Hh	0.0676		1.00	14.9
HO.1.6	405240004	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	0.679	0.681	14274-82-9	PCI/G	Hh	0.942	1.00	1.00	14.9
HO.1.6	405240004	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	0.171	0.378	15594-54-4	PCI/G	HUh	0.662	1.00	1.00	14.9
HO.1.6	405240004	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	0.556	0.490	14269-63-7	PCI/G	Hh	0.574	1.00	1.00	14.9
HO.1.6	405240004	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	0.493	0.460	7440-29-1	PCI/G	Hh	0.537	1.00	1.00	14.9
HO.1.6	405240004	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.102		PCI/G	HUh	0.0894		1.00	14.9
HO.1.6	405240004	GEL	1597481	1203624533	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	-0.369	1.92	10028-17-8	PCI/G	HUh	3.57	6.00	1.00	14.9
HO.1.6	405240004	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	-0.0121	0.0548	14158-29-3	PCI/G	HUh	0.138	1.00	1.00	14.9
HO.1.6	405240004	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	0.621	0.232	13968-55-3	PCI/G	Hh	0.129	1.00	1.00	14.9
HO.1.6	405240004	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.085	0.0937	15117-96-1	PCI/G	Hh	0.0638	1.00	1.00	14.9
HO.1.6	405240004	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.609	0.228	7440-61-1	PCI/G	Hh	0.102	1.00	1.00	14.9
HO.2.1	405240005	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modified	15.7	3.95	12587-46-1	PCI/G	Hh	3.92	4.00	1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.161	0.313	14952-40-0	PCI/G	HUh	0.575		1.00	20.8
HO.2.1	405240005	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	0.0159	0.0701	14596-10-2	PCI/G	HUh	0.127	1.00	1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.124	0.144	14234-35-6	PCI/G	HUh	0.246		1.00	20.8
HO.2.1	405240005	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modified	25.1	2.86	12587-47-2	PCI/G	Hh	2.51	10.0	1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.16	14913-49-6	PCI/G	HUh	1.82		1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.203	14733-03-0	PCI/G	Hh	0.121		1.00	20.8
HO.2.1	405240005	GEL	1598055	1203626057	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	0.276	0.747	14762-75-5	PCI/G	HUh	1.27	2.00	1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0634	10045-97-3	PCI/G	HUh	0.130	0.100	1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.02	0.0634	10198-40-0	PCI/G	HUh	0.116		1.00	20.8
HO.2.1	405240005	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	0.0795	0.221	OER-100-9	PCI/G	Hh	0.239	1.00	1.00	20.8
HO.2.1	405240005	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	-0.0151	0.0516		PCI/G	HUh	0.144	1.00	1.00	20.8
HO.2.1	405240005	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.0251	0.0795		PCI/G	Hh	0.120	1.00	1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0525	0.169	15585-10-1	PCI/G	HUh	0.269		1.00	20.8
HO.2.1	405240005	GEL	1598666	1203627535	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300, I-01 Modified	0.00	0.369	15046-84-1	PCI/G	HUh	0.853	1.00	1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.29	0.154	15092-94-1	PCI/G	Hh	0.113		1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.11	0.229	15067-28-4	PCI/G	Hh	0.173		1.00	20.8
HO.2.1	405240005	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	0.035	0.246	13994-20-2	PCI/G	HUh	0.506	1.00	1.00	20.8
HO.2.1	405240005	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	0.0119	0.071	13981-16-3	PCI/G	HUh	0.139	1.00	1.00	20.8
HO.2.1	405240005	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	-0.00982	0.0505	OER-100-7	PCI/G	HUh	0.130	1.00	1.00	20.8
HO.2.1	405240005	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	-0.981	4.07	14119-32-5	PCI/G	HUh	6.98	15.0	1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	16.0	1.93	13966-00-2	PCI/G	Hh	0.715		1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.874	14331-85-2	PCI/G	HUh	1.03		1.00	20.8
HO.2.1	405240005	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16												

Sample_No	Lab_Id	laboratory	Batch_No	Assoc_Blnk	Sample_T	Analyte_T	Coll_date	Rec_date	Ext_date	Anal_date	SDG	Parameter	FracMethod	Lab_Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Dil_Factor	Pct_Moist
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.201	0.0701	10045-97-3	PCI/G Hh	0.0896	0.100	1.00	18.6	
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0119	0.0594	10198-40-0	PCI/G HU	0.114		1.00	18.6	
HO.2.2	405240006	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	0.00	0.0851	OER-100-9	PCI/G Hh	0.127	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	0.035	0.068		PCI/G HU	0.117	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.00426	0.0445		PCI/G HU	0.0928	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.064	0.167	15585-10-1	PCI/G HU	0.309		1.00	18.6	
HO.2.2	405240006	GEL	1598666	1203627535	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300,I-01 Modified	-0.0297	0.396	15046-84-1	PCI/G HU	0.791	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.23	0.183	15092-94-1	PCI/G Hh	0.136		1.00	18.6	
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.201	15067-28-4	PCI/G Hh	0.139		1.00	18.6	
HO.2.2	405240006	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	0.0649	0.250	13994-20-2	PCI/G HU	0.485	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	-0.00811	0.062	13981-16-3	PCI/G HU	0.148	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	0.00245	0.0879	OER-100-7	PCI/G HU	0.195	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	0.589	5.35	14119-32-5	PCI/G HU	9.13	15.0	1.00	18.6	
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	21.0	2.14	13966-00-2	PCI/G Hh	0.926		1.00	18.6	
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.437	0.907	14331-85-2	PCI/G HU	1.04		1.00	18.6	
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.986	0.222	13982-63-3	PCI/G Hh	0.165		1.00	18.6	
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.81	0.351	15262-20-1	PCI/G Hh	0.322		1.00	18.6	
HO.2.2	405240006	GEL	1597807	1203625428	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	0.0192	0.850	10098-97-2	PCI/G HU	1.60	2.00	1.00	18.6	
HO.2.2	405240006	GEL	1597418	1203624314	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	-0.126	1.35	14133-76-7	PCI/G HU	2.32	5.00	1.00	18.6	
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.510	0.107	14913-50-9	PCI/G Hh	0.0798		1.00	18.6	
HO.2.2	405240006	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	1.59	0.763	14274-82-9	PCI/G Hh	0.697	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	0.274	0.321	15594-54-4	PCI/G Hh	0.445	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	0.931	0.487	14269-63-7	PCI/G Hh	0.332	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	1.06	0.513	7440-29-1	PCI/G Hh	0.287	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0153	0.153		PCI/G HU	0.204		1.00	18.6	
HO.2.2	405240006	GEL	1597481	1203624533	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	0.232	2.20	10028-17-8	PCI/G HU	3.98	6.00	1.00	18.6	
HO.2.2	405240006	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	-0.0343	0.0673	14158-29-3	PCI/G HU	0.187	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	0.951	0.275	13968-55-3	PCI/G Hh	0.157	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.122	0.109	15117-96-1	PCI/G Hh	0.119	1.00	1.00	18.6	
HO.2.2	405240006	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.970	0.275	7440-61-1	PCI/G Hh	0.128	1.00	1.00	18.6	
HO.3.1	405240007	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modified	10.8	3.43	12587-46-1	PCI/G Hh	3.99	4.00	1.00	14.9	
HO.3.1	405240007	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0134	0.269	14952-40-0	PCI/G HU	0.514		1.00	14.9	
HO.3.1	405240007	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	-0.0275	0.0346	14596-10-2	PCI/G HU	0.116	1.00	1.00	14.9	
HO.3.1	405240007	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0865	0.115	14234-35-6	PCI/G HU	0.243		1.00	14.9	
HO.3.1	405240007	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modified	18.3	2.82	12587-47-2	PCI/G Hh	3.45	10.0	1.00	14.9	
HO.3.1	405240007	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.451	0.574	14913-49-6	PCI/G HU	1.22		1.00	14.9	
HO.3.1	405240007	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.775	0.228	14733-03-0	PCI/G Hh	0.151		1.00	14.9	
HO.3.1	405240007	GEL	1598055	1203626057	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	0.542	0.643	14762-75-5	PCI/G Hh	1.08	2.00	1.00	14.9	
HO.3.1	405240007	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.257	0.0758	10045-97-3	PCI/G Hh	0.0681	0.100	1.00	14.9	
HO.3.1	405240007	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.017	0.0472	10198-40-0	PCI/G HU	0.0911		1.00	14.9	
HO.3.1	405240007	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	0.00	0.0917	OER-100-9	PCI/G Hh	0.136	1.00	1.00	14.9	
HO.3.1	405240007	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	0.00	0.0292		PCI/G Hh	0.0435	1.00	1.00	14.9	
HO.3.1	405240007	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.0327	0.0561		PCI/G Hh	0.0491	1.00	1.00	14.9	
HO.3.1	405240007	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0249	0.140	15585-10-1	PCI/G HU	0.293		1.00	14.9	
HO.3.1	405240007	GEL	1598666	1203627535	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300,I-01 Modified	-0.0275	0.369	15046-84-1	PCI/G HU	0.758	1.00	1.00	14.9	
HO.3.1	405240007	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.814	0.128	15092-94-1	PCI/G Hh	0.116		1.00	14.9	
HO.3.1	405240007	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.847	0.207	15067-28-4	PCI/G Hh	0.348		1.00	14.9	
HO.3.1	405240007	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	0.0428	0.276	13994-20-2	PCI/G HU	0.565	1.00	1.00	14.9	
HO.3.1	405240007	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300									

Sample_No	Lab_Id	laboratory	Batch_No	Assoc_Blnk	Sample_T	Analyte_T	Coll_date	Rec_date	Ext_date	Anal_date	SDG	Parameter	FracMethod	Lab_Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Dil_Factor	Pct_Moist
HO.3.1	405240007	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.096	0.086	15117-96-1	PCI/G	Hh	0.0934	1.00	1.00	14.9
HO.3.1	405240007	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.565	0.190	7440-61-1	PCI/G	Hh	0.123	1.00	1.00	14.9
HO.3.2	405240008	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modified	15.9	4.26	12587-46-1	PCI/G	Hh	3.94	4.00	1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0893	0.238	14952-40-0	PCI/G	HUh	0.453		1.00	14.2
HO.3.2	405240008	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	-0.00324	0.0279	14596-10-2	PCI/G	HUh	0.0647	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0639	0.102	14234-35-6	PCI/G	HUh	0.187		1.00	14.2
HO.3.2	405240008	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modified	27.6	3.90	12587-47-2	PCI/G	Hh	3.83	10.0	1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.21	0.473	14913-49-6	PCI/G	Hh	0.111		1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.648	0.192	14733-03-0	PCI/G	Hh	0.121		1.00	14.2
HO.3.2	405240008	GEL	1598055	1203626057	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	-0.228	0.656	14762-75-5	PCI/G	HUh	1.14	2.00	1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.224	0.081	10045-97-3	PCI/G	Hh	0.060	0.100	1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0182	0.0363	10198-40-0	PCI/G	HUh	0.0833		1.00	14.2
HO.3.2	405240008	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	0.00	0.0864	OER-100-9	PCI/G	Hh	0.129	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	0.00109	0.0503		PCI/G	HUh	0.110	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.0426	0.0613		PCI/G	Hh	0.074	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0205	0.116	15585-10-1	PCI/G	HUh	0.226		1.00	14.2
HO.3.2	405240008	GEL	1598666	1203627535	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300,I-01 Modified	0.0239	0.258	15046-84-1	PCI/G	HUh	0.738	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0972	15092-94-1	PCI/G	HUh	0.232		1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.909	0.201	15067-28-4	PCI/G	Hh	0.121		1.00	14.2
HO.3.2	405240008	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	0.0337	0.187	13994-20-2	PCI/G	HUh	0.359	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	0.00	0.0491	13981-16-3	PCI/G	Hh	0.0745	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	0.0115	0.070	OER-100-7	PCI/G	HUh	0.137	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/17/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	-2.04	4.66	14119-32-5	PCI/G	HUh	8.03	15.0	1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	14.9	1.67	13966-00-2	PCI/G	Hh	0.507		1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.465	14331-85-2	PCI/G	HUh	0.702		1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.648	0.192	13982-63-3	PCI/G	Hh	0.121		1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.800	0.272	15262-20-1	PCI/G	Hh	0.191		1.00	14.2
HO.3.2	405240008	GEL	1597807	1203625428	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	-0.766	0.635	10098-97-2	PCI/G	HUh	1.42	2.00	1.00	14.2
HO.3.2	405240008	GEL	1597418	1203624314	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	-0.107	1.51	14133-76-7	PCI/G	HUh	2.59	5.00	1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.294	0.0809	14913-50-9	PCI/G	Hh	0.0591		1.00	14.2
HO.3.2	405240008	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	0.863	0.767	14274-82-9	PCI/G	Hh	1.05	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	0.0646	0.289	15594-54-4	PCI/G	HUh	0.566	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	0.847	0.551	14269-63-7	PCI/G	Hh	0.446	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	0.784	0.525	7440-29-1	PCI/G	Hh	0.385	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.156		PCI/G	HUh	0.152		1.00	14.2
HO.3.2	405240008	GEL	1597481	1203624533	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	-0.274	2.05	10028-17-8	PCI/G	HUh	3.79	6.00	1.00	14.2
HO.3.2	405240008	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	-0.00756	0.0334	14158-29-3	PCI/G	HUh	0.0872	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	0.691	0.192	13968-55-3	PCI/G	Hh	0.0875	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.127	0.092	15117-96-1	PCI/G	Hh	0.0985	1.00	1.00	14.2
HO.3.2	405240008	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.748	0.199	7440-61-1	PCI/G	Hh	0.0811	1.00	1.00	14.2
HO.4.1	405240009	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modified	10.1	3.43	12587-46-1	PCI/G	Hh	3.91	4.00	1.00	22.2
HO.4.1	405240009	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0155	0.229	14952-40-0	PCI/G	HUh	0.451		1.00	22.2
HO.4.1	405240009	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	0.0217	0.0801	14596-10-2	PCI/G	HUh	0.135	1.00	1.00	22.2
HO.4.1	405240009	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/0													

Sample_No	Lab_Id	laboratory	Batch_No	Assoc_Blnk	Sample_T	Analyte_T	Coll_date	Rec_date	Ext_date	Anal_date	SDG	Parameter	Frac Method	Lab_Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Dil_Factor	Pct_Moist
HO.4.1	405240009	GEL	1597418	1203624314	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	-0.015	1.82	14133-76-7	PCI/G	HUh	3.12	5.00	1.00	22.2
HO.4.1	405240009	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.151	0.0836	14913-50-9	PCI/G	Hh	0.0741		1.00	22.2
HO.4.1	405240009	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	0.802	0.647	14274-82-9	PCI/G	Hh	0.821	1.00	1.00	22.2
HO.4.1	405240009	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	0.140	0.278	15594-54-4	PCI/G	Hh	0.452	1.00	1.00	22.2
HO.4.1	405240009	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	0.892	0.524	14269-63-7	PCI/G	Hh	0.451	1.00	1.00	22.2
HO.4.1	405240009	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	0.887	0.501	7440-29-1	PCI/G	Hh	0.205	1.00	1.00	22.2
HO.4.1	405240009	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0962		PCI/G	HUh	0.113		1.00	22.2
HO.4.1	405240009	GEL	1597481	1203624533	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	1.18	2.41	10028-17-8	PCI/G	HUh	4.20	6.00	1.00	22.2
HO.4.1	405240009	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	-0.00704	0.0486	14158-29-3	PCI/G	HUh	0.118	1.00	1.00	22.2
HO.4.1	405240009	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	0.602	0.197	13968-55-3	PCI/G	Hh	0.104	1.00	1.00	22.2
HO.4.1	405240009	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.139	0.099	15117-96-1	PCI/G	Hh	0.0762	1.00	1.00	22.2
HO.4.1	405240009	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.816	0.226	7440-61-1	PCI/G	Hh	0.0877	1.00	1.00	22.2
HO.4.2	405240010	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modifiec	14.6	3.65	12587-46-1	PCI/G	Hh	3.97	4.00	1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0978	0.183	14952-40-0	PCI/G	HUh	0.337		1.00	17.6
HO.4.2	405240010	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	0.0178	0.0658	14596-10-2	PCI/G	HUh	0.110	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00454	0.0883	14234-35-6	PCI/G	HUh	0.161		1.00	17.6
HO.4.2	405240010	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modifiec	17.5	2.47	12587-47-2	PCI/G	Hh	2.58	10.0	1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.528	14913-49-6	PCI/G	HUh	0.883		1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.646	0.120	14733-03-0	PCI/G	Hh	0.0971		1.00	17.6
HO.4.2	405240010	GEL	1598055	1203626057	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	0.228	0.654	14762-75-5	PCI/G	HUh	1.11	2.00	1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.225	0.075	10045-97-3	PCI/G	Hh	0.0536	0.100	1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00446	0.0259	10198-40-0	PCI/G	HUh	0.0492		1.00	17.6
HO.4.2	405240010	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	-0.00899	0.149	OER-100-9	PCI/G	HUh	0.315	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	0.00951	0.0673		PCI/G	HUh	0.135	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.0204	0.0752		PCI/G	HUh	0.126	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0609	0.133	15585-10-1	PCI/G	HUh	0.175		1.00	17.6
HO.4.2	405240010	GEL	1598666	1203627535	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300,I-01 Modified	-0.347	0.282	15046-84-1	PCI/G	HUh	0.360	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.857	0.119	15092-94-1	PCI/G	Hh	0.0793		1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.870	0.151	15067-28-4	PCI/G	Hh	0.106		1.00	17.6
HO.4.2	405240010	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	0.0377	0.244	13994-20-2	PCI/G	HUh	0.499	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	-0.0138	0.0698	13981-16-3	PCI/G	HUh	0.180	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	-0.00703	0.099	OER-100-7	PCI/G	HUh	0.234	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/17/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	-3.96	5.91	14119-32-5	PCI/G	HUh	10.2	15.0	1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	12.9	1.20	13966-00-2	PCI/G	Hh	0.443		1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0127	0.364	14331-85-2	PCI/G	HUh	0.659		1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.646	0.120	13982-63-3	PCI/G	Hh	0.0971		1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.809	0.251	15262-20-1	PCI/G	Hh	0.187		1.00	17.6
HO.4.2	405240010	GEL	1597807	1203625428	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	0.0316	0.715	10098-97-2	PCI/G	HUh	1.34	2.00	1.00	17.6
HO.4.2	405240010	GEL	1597418	1203624314	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	-0.00569	1.41	14133-76-7	PCI/G	HUh	2.41	5.00	1.00	17.6
HO.4.2	405240010	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.274	0.0696	14913-50-9	PCI/G	Hh	0.0532		1.00	17.6
HO.4.2	405240010	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	1.39	0.848	14274-82-9	PCI/G	Hh	0.897	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	0.537	0.474	15594-54-4	PCI/G	Hh	0.554	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	0.930	0.585	14269-63-7	PCI/G	Hh	0.553	1.00	1.00	17.6
HO.4.2	405240010	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15														

Sample_No	Lab_Id	laboratory	Batch_No	Assoc_Blnk	Sample_T	Analyte_T	Coll_date	Rec_date	Ext_date	Anal_date	SDG	Parameter	FracMethod	Lab_Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Dil_Factor	Pct_Moist
HO.5.1	405240011	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.960	0.201	15067-28-4	PCI/G	Hh	0.114		1.00	21.9
HO.5.1	405240011	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	-0.0479	0.145	13994-20-2	PCI/G	HUh	0.406	1.00	1.00	21.9
HO.5.1	405240011	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	-0.019	0.0579	13981-16-3	PCI/G	HUh	0.165	1.00	1.00	21.9
HO.5.1	405240011	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	0.0181	0.0978	OER-100-7	PCI/G	HUh	0.197	1.00	1.00	21.9
HO.5.1	405240011	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/17/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	-2.35	5.49	14119-32-5	PCI/G	HUh	9.45	15.0	1.00	21.9
HO.5.1	405240011	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	13.3	1.49	13966-00-2	PCI/G	Hh	0.720		1.00	21.9
HO.5.1	405240011	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.548	14331-85-2	PCI/G	HUh	0.713		1.00	21.9
HO.5.1	405240011	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.731	0.175	13982-63-3	PCI/G	Hh	0.123		1.00	21.9
HO.5.1	405240011	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.976	0.294	15262-20-1	PCI/G	Hh	0.218		1.00	21.9
HO.5.1	405240011	GEL	1597807	1203625428	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	0.0538	0.896	10098-97-2	PCI/G	HUh	1.61	2.00	1.00	21.9
HO.5.1	405240011	GEL	1597418	1203624314	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	-0.997	1.74	14133-76-7	PCI/G	HUh	3.02	5.00	1.00	21.9
HO.5.1	405240011	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.320	0.0734	14913-50-9	PCI/G	Hh	0.0483		1.00	21.9
HO.5.1	405240011	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	1.32	0.848	14274-82-9	PCI/G	Hh	0.823	1.00	1.00	21.9
HO.5.1	405240011	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	0.224	0.400	15594-54-4	PCI/G	Hh	0.649	1.00	1.00	21.9
HO.5.1	405240011	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	1.75	0.787	14269-63-7	PCI/G	Hh	0.262	1.00	1.00	21.9
HO.5.1	405240011	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	0.677	0.516	7440-29-1	PCI/G	Hh	0.418	1.00	1.00	21.9
HO.5.1	405240011	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.109		PCI/G	HUh	0.0939		1.00	21.9
HO.5.1	405240011	GEL	1597481	1203624533	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	0.800	2.30	10028-17-8	PCI/G	HUh	4.07	6.00	1.00	21.9
HO.5.1	405240011	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	0.0317	0.0624	14158-29-3	PCI/G	Hh	0.0864	1.00	1.00	21.9
HO.5.1	405240011	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	0.760	0.218	13968-55-3	PCI/G	Hh	0.123	1.00	1.00	21.9
HO.5.1	405240011	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.141	0.100	15117-96-1	PCI/G	Hh	0.093	1.00	1.00	21.9
HO.5.1	405240011	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.945	0.238	7440-61-1	PCI/G	Hh	0.0927	1.00	1.00	21.9
HO.5.2	405240012	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modific	7.92	3.28	12587-46-1	PCI/G	Hh	3.95	4.00	1.00	19.7
HO.5.2	405240012	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0588	0.215	14952-40-0	PCI/G	HUh	0.375		1.00	19.7
HO.5.2	405240012	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	0.0387	0.0874	14596-10-2	PCI/G	Hh	0.138	1.00	1.00	19.7
HO.5.2	405240012	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0368	0.107	14234-35-6	PCI/G	HUh	0.200		1.00	19.7
HO.5.2	405240012	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modific	24.7	3.33	12587-47-2	PCI/G	Hh	3.38	10.0	1.00	19.7
HO.5.2	405240012	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	1.08	14913-49-6	PCI/G	HUh	1.19		1.00	19.7
HO.5.2	405240012	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.866	0.180	14733-03-0	PCI/G	Hh	0.105		1.00	19.7
HO.5.2	405240012	GEL	1598055	1203626057	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	0.689	0.672	14762-75-5	PCI/G	Hh	1.13	2.00	1.00	19.7
HO.5.2	405240012	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.667	0.108	10045-97-3	PCI/G	Hh	0.0721	0.100	1.00	19.7
HO.5.2	405240012	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00049	0.0376	10198-40-0	PCI/G	HUh	0.0661		1.00	19.7
HO.5.2	405240012	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	0.00	0.160	OER-100-9	PCI/G	Hh	0.244	1.00	1.00	19.7
HO.5.2	405240012	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	-0.00515	0.0742		PCI/G	HUh	0.176	1.00	1.00	19.7
HO.5.2	405240012	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	-0.0105	0.0586		PCI/G	HUh	0.148	1.00	1.00	19.7
HO.5.2	405240012	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.092	0.0956	15585-10-1	PCI/G	HUh	0.222		1.00	19.7
HO.5.2	405240012	GEL	1598666	1203627535	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300, I-01 Modified	0.0657	0.340	15046-84-1	PCI/G	HUh	0.761	1.00	1.00	19.7
HO.5.2	405240012	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.898	0.145	15092-94-1	PCI/G	Hh	0.120		1.00	19.7
HO.5.2	405240012	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.05	0.170	15067-28-4	PCI/G	Hh	0.112		1.00	19.7
HO.5.2	405240012	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	-0.0508	0.153	13994-20-2	PCI/G	HUh	0.431	1.00	1.00	19.7
HO.5.2	405240012	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	0.0743	0.113	13981-16-3	PCI/G	Hh	0.150	1.00	1.00	19.7
HO.5.2	405240012	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	-0.0193	0.0588	OER-100-7	PCI/G	HUh	0.168	1.00	1.00	19.7
HO.5.2	405240012	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/17/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	-1.65	5.47	14119-32-5	PCI/G	HUh	9.40	15.0	1.00	19.7
HO.5.2	405240012	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/0												

Sample_No	Lab_Id	laboratory	Batch_No	Assoc_Blnk	Sample_T	Analyte_T	Coll_date	Rec_date	Ext_date	Anal_date	SDG	Parameter	FracMethod	Lab_Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Dil_Factor	Pct_Moist
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.664	0.152	14733-03-0	PCI/G	Hh	0.108		1.00	25.4	
REACH7.1.1405240013	GEL	1598055	1203626057	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	0.423	0.794	14762-75-5	PCI/G	HUh	1.35	2.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0846	0.0495	10045-97-3	PCI/G	Hh	0.0578	0.100	1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.00606	0.0281	10198-40-0	PCI/G	HUh	0.0576		1.00	25.4	
REACH7.1.1405240013	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	0.00	0.188	OER-100-9	PCI/G	Hh	0.286	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	0.00121	0.0864		PCI/G	HUh	0.194	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.0982	0.134		PCI/G	Hh	0.143	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0181	0.0982	15585-10-1	PCI/G	HUh	0.196		1.00	25.4	
REACH7.1.1405240013	GEL	1598666	1203627535	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300,I-01 Modified	0.00	0.226	15046-84-1	PCI/G	HUh	0.312	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.01	0.123	15092-94-1	PCI/G	Hh	0.0892		1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.887	0.158	15067-28-4	PCI/G	Hh	0.296		1.00	25.4	
REACH7.1.1405240013	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	0.00404	0.300	13994-20-2	PCI/G	HUh	0.666	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	-0.00844	0.0628	13981-16-3	PCI/G	HUh	0.150	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	-0.0377	0.0661	OER-100-7	PCI/G	HUh	0.213	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/17/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	-1.63	5.61	14119-32-5	PCI/G	HUh	9.63	15.0	1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	13.0	1.45	13966-00-2	PCI/G	Hh	0.513		1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.672	14331-85-2	PCI/G	HUh	0.616		1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.664	0.152	13982-63-3	PCI/G	Hh	0.108		1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.17	0.296	15262-20-1	PCI/G	Hh	0.210		1.00	25.4	
REACH7.1.1405240013	GEL	1597807	1203625428	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo-	-0.432	0.742	10098-97-2	PCI/G	HUh	1.47	2.00	1.00	25.4	
REACH7.1.1405240013	GEL	1597418	1203624314	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	-1.1	2.32	14133-76-7	PCI/G	HUh	4.03	5.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.367	0.0808	14913-50-9	PCI/G	Hh	0.0489		1.00	25.4	
REACH7.1.1405240013	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	1.89	1.21	14274-82-9	PCI/G	Hh	1.24	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	0.158	0.497	15594-54-4	PCI/G	HUh	0.930	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	1.77	0.977	14269-63-7	PCI/G	Hh	0.839	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	1.43	0.845	7440-29-1	PCI/G	Hh	0.358	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.112		PCI/G	HUh	0.0951		1.00	25.4	
REACH7.1.1405240013	GEL	1597481	1203624533	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	1.19	2.44	10028-17-8	PCI/G	HUh	4.25	6.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	-0.0333	0.150	14158-29-3	PCI/G	HUh	0.379	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	0.514	0.402	13968-55-3	PCI/G	Hh	0.421	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	-0.0308	0.136	15117-96-1	PCI/G	HUh	0.355	1.00	1.00	25.4	
REACH7.1.1405240013	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.866	0.507	7440-61-1	PCI/G	Hh	0.473	1.00	1.00	25.4	
REACH7.1.2405240014	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modified	19.1	4.39	12587-46-1	PCI/G	Hh	3.94	4.00	1.00	15.3	
REACH7.1.2405240014	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.166	0.283	14952-40-0	PCI/G	HUh	0.499		1.00	15.3	
REACH7.1.2405240014	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	0.0509	0.0924	14596-10-2	PCI/G	Hh	0.114	1.00	1.00	15.3	
REACH7.1.2405240014	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0335	0.131	14234-35-6	PCI/G	HUh	0.233		1.00	15.3	
REACH7.1.2405240014	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modified	28.7	3.11	12587-47-2	PCI/G	Hh	2.42	10.0	1.00	15.3	
REACH7.1.2405240014	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.455	1.05	14913-49-6	PCI/G	HUh	1.29		1.00	15.3	
REACH7.1.2405240014	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.812	0.195	14733-03-0	PCI/G	Hh	0.158		1.00	15.3	
REACH7.1.2405240014	GEL	1598055	1203626057	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	0.244	0.697	14762-75-5	PCI/G	HUh	1.19	2.00	1.00	15.3	
REACH7.1.2405240014	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.136	0.0546	10045-97-3	PCI/G	Hh	0.073	0.100	1.00	15.3	
REACH7.1.2405240014	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0269	0.0422	10198-40-0	PCI/G	HUh	0.0973		1.00	15.3	
REACH7.1.2405240014	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	0.00	0.171	OER-100-9	PCI/G	Hh	0.259	1.00	1.00	15.3	
REACH7.1.2405240014	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	-0.00988	0.0553		PCI/G	HUh	0.140	1.00	1.00	15.3	
REACH7.1.2405240014	GEL	1596445																				

Sample_No	Lab_Id	laboratory	Batch_No	Assoc_Blnk	Sample_T	Analyte_T	Coll_date	Rec_date	Ext_date	Anal_date	SDG	Parameter	FracMethod	Lab_Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Dil_Factor	Pct_Moist
REACH7.1.2	405240014	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	0.029	0.0765	14158-29-3	PCI/G	HUh	0.138	1.00	1.00	15.3
REACH7.1.2	405240014	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	0.823	0.232	13968-55-3	PCI/G	Hh	0.124	1.00	1.00	15.3
REACH7.1.2	405240014	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.117	0.0958	15117-96-1	PCI/G	Hh	0.0983	1.00	1.00	15.3
REACH7.1.2	405240014	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.631	0.205	7440-61-1	PCI/G	Hh	0.124	1.00	1.00	15.3
REACH21.1	405240015	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modifiec	18.3	4.31	12587-46-1	PCI/G	Hh	3.84	4.00	1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.161	0.316	14952-40-0	PCI/G	HUh	0.623		1.00	29.6
REACH21.1	405240015	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	-0.00348	0.0522	14596-10-2	PCI/G	HUh	0.122	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00379	0.150	14234-35-6	PCI/G	HUh	0.282		1.00	29.6
REACH21.1	405240015	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modifiec	25.9	3.35	12587-47-2	PCI/G	Hh	3.58	10.0	1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.607	0.875	14913-49-6	PCI/G	HUh	1.68		1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.232	14733-03-0	PCI/G	Hh	0.165		1.00	29.6
REACH21.1	405240015	GEL	1598055	1203626057	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	0.0124	0.799	14762-75-5	PCI/G	HUh	1.37	2.00	1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.306	0.124	10045-97-3	PCI/G	Hh	0.0889	0.100	1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0209	0.0597	10198-40-0	PCI/G	HUh	0.127		1.00	29.6
REACH21.1	405240015	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	0.00	0.111	OER-100-9	PCI/G	Hh	0.166	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	0.0134	0.0503		PCI/G	HUh	0.0845	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.00	0.0401		PCI/G	Hh	0.0597	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Eurpium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.046	0.174	15585-10-1	PCI/G	HUh	0.325		1.00	29.6
REACH21.1	405240015	GEL	1598666	1203627535	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300,I-01 Modified	0.126	0.276	15046-84-1	PCI/G	HUh	0.650	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.162	15092-94-1	PCI/G	Hh	0.129		1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.15	0.259	15067-28-4	PCI/G	Hh	0.429		1.00	29.6
REACH21.1	405240015	GEL	1596446	1203621845	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	-0.0896	0.216	13994-20-2	PCI/G	HUh	0.553	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	-0.0147	0.0557	13981-16-3	PCI/G	HUh	0.152	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596447	1203621848	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	0.016	0.0763	OER-100-7	PCI/G	HUh	0.142	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596448	1203621851	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/17/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	0.790	4.63	14119-32-5	PCI/G	HUh	7.89	15.0	1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	16.3	2.07	13966-00-2	PCI/G	Hh	1.17		1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.222	0.654	14331-85-2	PCI/G	HUh	1.26		1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.10	0.232	13982-63-3	PCI/G	Hh	0.165		1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.22	0.387	15262-20-1	PCI/G	Hh	0.361		1.00	29.6
REACH21.1	405240015	GEL	1597807	1203625428	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	-0.106	0.606	10098-97-2	PCI/G	HUh	1.23	2.00	1.00	29.6
REACH21.1	405240015	GEL	1597418	1203624314	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Techneium-99	R DOE EML HASL-300, Tc-02-RC Modified	-0.372	1.67	14133-76-7	PCI/G	HUh	2.88	5.00	1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.373	0.142	14913-50-9	PCI/G	Hh	0.0802		1.00	29.6
REACH21.1	405240015	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	1.95	1.08	14274-82-9	PCI/G	Hh	0.911	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	0.482	0.491	15594-54-4	PCI/G	Hh	0.485	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	0.860	0.631	14269-63-7	PCI/G	Hh	0.559	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596438	1203621827	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	1.18	0.714	7440-29-1	PCI/G	Hh	0.483	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0321	0.134		PCI/G	HUh	0.162		1.00	29.6
REACH21.1	405240015	GEL	1597481	1203624533	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	0.259	2.54	10028-17-8	PCI/G	HUh	4.59	6.00	1.00	29.6
REACH21.1	405240015	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	-0.00352	0.0529	14158-29-3	PCI/G	HUh	0.124	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	0.959	0.249	13968-55-3	PCI/G	Hh	0.119	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.073	0.0787	15117-96-1	PCI/G	Hh	0.0895	1.00	1.00	29.6
REACH21.1	405240015	GEL	1596443	1203621839	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	0.987	0.251	7440-61-1	PCI/G	Hh	0.0984	1.00	1.00	29.6
REACH21.1	405240016	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modifiec	14.1	4.08	12587-46-1	PCI/G	Hh	3.90	4.00	1.00	21.6
REACH21.1	405240016	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0581	0.290	14952-40-0	PCI/G	HUh	0.546		1.00	21.6
REACH21.1	405240016	GEL	1596445	1203621842	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/16/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	0.0369	0.117	14596-10-2	PCI/G	Hh	0.176	1.00	1.00	21.6
REACH21.1	405240016	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0425	0.131	14234-35-6	PCI/G	HUh	0.258		1.00	21.6
REACH21.1	405240016	GEL	1597818	1203625464	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modifiec	50.7	4.37	12587-47-2	PCI/G	Hh	3.14	10.0	1.00	21.6
REACH21.1	405240016	GEL	1596386	1203621682	SAMPLE	TARGET	12/15/15	12/21/15	09/08/16													

Sample_No	Lab_Id	laboratory	Batch_No	Assoc_Blnk	Sample_T	Analyte_T	Coll_date	Rec_date	Ext_date	Anal_date	SDG	Parameter	FracMethod	Lab_Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Dil_Factor	Pct_Moist
REACH21.1.405240016	GEL	1596386	1203621682	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	1.22	0.431	15262-20-1	PCI/G	Hh	0.333		1.00	21.6
REACH21.1.405240016	GEL	1597807	1203625428	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/28/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	-0.388	0.773	10098-97-2	PCI/G	HUh	1.51	2.00	1.00	21.6
REACH21.1.405240016	GEL	1597418	1203624314	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	0.293	1.93	14133-76-7	PCI/G	HUh	3.29	5.00	1.00	21.6
REACH21.1.405240016	GEL	1596386	1203621682	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.335	0.124	14913-50-9	PCI/G	Hh	0.083		1.00	21.6
REACH21.1.405240016	GEL	1596438	1203621827	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-228	R DOE EML HASL-300, Th-01-RC Modified	1.13	0.746	14274-82-9	PCI/G	Hh	0.769	1.00	1.00	21.6
REACH21.1.405240016	GEL	1596438	1203621827	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-229	R DOE EML HASL-300, Th-01-RC Modified	0.0585	0.219	15594-54-4	PCI/G	HUh	0.369	1.00	1.00	21.6
REACH21.1.405240016	GEL	1596438	1203621827	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-230	R DOE EML HASL-300, Th-01-RC Modified	1.19	0.624	14269-63-7	PCI/G	Hh	0.425	1.00	1.00	21.6
REACH21.1.405240016	GEL	1596438	1203621827	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/19/16	405240	Thorium-232	R DOE EML HASL-300, Th-01-RC Modified	1.42	0.674	7440-29-1	PCI/G	Hh	0.424	1.00	1.00	21.6
REACH21.1.405240016	GEL	1596386	1203621682	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.197		PCI/G	HUIh	0.188		1.00	21.6
REACH21.1.405240016	GEL	1597481	1203624533	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	0.220	2.19	10028-17-8	PCI/G	HUh	3.95	6.00	1.00	21.6
REACH21.1.405240016	GEL	1596443	1203621839	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-232	R DOE EML HASL-300, U-02-RC Modified	-0.00337	0.0506	14158-29-3	PCI/G	HUh	0.118	1.00	1.00	21.6
REACH21.1.405240016	GEL	1596443	1203621839	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-233/234	R DOE EML HASL-300, U-02-RC Modified	1.06	0.261	13968-55-3	PCI/G	Hh	0.113	1.00	1.00	21.6
REACH21.1.405240016	GEL	1596443	1203621839	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-235/236	R DOE EML HASL-300, U-02-RC Modified	0.0691	0.079	15117-96-1	PCI/G	Hh	0.0987	1.00	1.00	21.6
REACH21.1.405240016	GEL	1596443	1203621839	SAMPLE	TARGET		12/15/15	12/21/15	09/08/16	09/15/16	405240	Uranium-238	R DOE EML HASL-300, U-02-RC Modified	1.10	0.262	7440-61-1	PCI/G	Hh	0.0483	1.00	1.00	21.6
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0416	0.121	14952-40-0	PCI/G	U	0.226		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0201	0.0407	14234-35-6	PCI/G	U	0.0966		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0362	0.257	14913-49-6	PCI/G	U	0.560		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0354	0.0472	14733-03-0	PCI/G	U	0.084		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0102	0.0144	10045-97-3	PCI/G	U	0.0252	0.100	1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0026	0.0196	10198-40-0	PCI/G	U	0.043		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00189	0.0405	15585-10-1	PCI/G	U	0.101		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0143	0.0273	15092-94-1	PCI/G	U	0.0517		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0372	0.0516	15067-28-4	PCI/G	U	0.0884		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0514	0.255	13966-00-2	PCI/G	U	0.622		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.065	0.197	14331-85-2	PCI/G	U	0.425		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0354	0.0472	13982-63-3	PCI/G	U	0.084		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0161	0.0797	15262-20-1	PCI/G	U	0.176		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0205	14913-50-9	PCI/G	UI	0.026		1.00	0
MB	120362168:	GEL	1596386	1203621682	MB	TARGET	10/03/16	10/03/16	10/03/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00344	0.0283		PCI/G	U	0.0621		1.00	0
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Actinium-227	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0567	0.214	14952-40-0	PCI/G	HU	0.404		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Antimony-125	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0178	0.0899	14234-35-6	PCI/G	HU	0.178		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.534	14913-49-6	PCI/G	HUI	1.16		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Bismuth-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.789	0.161	14733-03-0	PCI/G	H	0.134		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cesium-137	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.0628	10045-97-3	PCI/G	HUI	0.0908	0.100	1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Cobalt-60	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.0205	0.0377	10198-40-0	PCI/G	HU	0.0823		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Europium-154	R DOE HASL 300, 4.5.2.3/Ga-01-R	-0.0346	0.0897	15585-10-1	PCI/G	HU	0.166		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-212	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.838	0.121	15092-94-1	PCI/G	H	0.0932		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Lead-214	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.963	0.211	15067-28-4	PCI/G	H	0.307		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Potassium-40	R DOE HASL 300, 4.5.2.3/Ga-01-R	14.8	1.47	13966-00-2	PCI/G	H	0.438		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Protactinium-231	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.00	0.635	14331-85-2	PCI/G	HUI	0.752		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-226	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.789	0.161	13982-63-3	PCI/G	H	0.134		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Radium-228	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.633	0.308	15262-20-1	PCI/G	H	0.209		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Thallium-208	R DOE HASL 300, 4.5.2.3/Ga-01-R	0.228	0.0758	14913-50-9	PCI/G	H	0.0651		1.00	15.8
HO.1.1	120362168:	GEL	1596386	1203621682	DUP	TARGET	12/15/15	12/21/15	09/08/16	10/03/16	405240	Tin-126	R DOE HASL 300, 4.5.2.3/Ga-01-R									

Sample_No	Lab_Id	laboratory	Batch_No	Assoc_Blnk	Sample_T	Analyte_T	Coll_date	Rec_date	Ext_date	Anal_date	SDG	Parameter	FracMethod	Lab_Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Dil_Factor	Pct_Moist
MB	120362184	GEL	1596445	1203621842	MB	TARGET	09/15/16	09/15/16	09/15/16	09/15/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	0.00668	0.0371	OER-100-9	PCI/G U	0.0711	1.00	1.00	0	
MB	120362184	GEL	1596445	1203621842	MB	TARGET	09/15/16	09/15/16	09/15/16	09/15/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	-0.00915	0.0276		PCI/G U	0.0776	1.00	1.00	0	
MB	120362184	GEL	1596445	1203621842	MB	TARGET	09/15/16	09/15/16	09/15/16	09/15/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.0295	0.0506		PCI/G	0.0443	1.00	1.00	0	
HO.1.1	120362184	GEL	1596445	1203621842	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	-0.00478	0.0412	14596-10-2	PCI/G HU	0.0955	1.00	1.00	15.8	
HO.1.1	120362184	GEL	1596445	1203621842	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-242	R DOE EML HASL-300, Am-05-RC Modified	-0.0152	0.131	OER-100-9	PCI/G HU	0.304	1.00	1.00	15.8	
HO.1.1	120362184	GEL	1596445	1203621842	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	0.00	0.0407		PCI/G H	0.0605	1.00	1.00	15.8	
HO.1.1	120362184	GEL	1596445	1203621842	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Curium-245/246	R DOE EML HASL-300, Am-05-RC Modified	0.0173	0.0649		PCI/G HU	0.109	1.00	1.00	15.8	
LCS	120362184	GEL	1596445	1203621842	LCS	SPIKE	09/15/16	09/15/16	09/15/16	09/15/16	405240	Americium-241	R DOE EML HASL-300, Am-05-RC Modified	105	0.527	14596-10-2	%	0.110	1.00	1.00	0	
LCS	120362184	GEL	1596445	1203621842	LCS	SPIKE	09/15/16	09/15/16	09/15/16	09/15/16	405240	Curium-243/244	R DOE EML HASL-300, Am-05-RC Modified	110	0.616		%	0.109	1.00	1.00	0	
MB	120362184	GEL	1596446	1203621845	MB	TARGET	09/15/16	09/15/16	09/15/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	0.00	0.130	13994-20-2	PCI/G	0.193	1.00	1.00	0	
HO.1.1	120362184	GEL	1596446	1203621845	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	0.0844	0.250	13994-20-2	PCI/G HU	0.453	1.00	1.00	15.8	
LCS	120362184	GEL	1596446	1203621845	LCS	SPIKE	09/15/16	09/15/16	09/15/16	09/15/16	405240	Neptunium-237	R ASTM C 1475-00 Modified	103	2.96	13994-20-2	%	0.398	1.00	1.00	0	
MB	120362184	GEL	1596447	1203621848	MB	TARGET	09/15/16	09/15/16	09/15/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	-0.0119	0.0592	13981-16-3	PCI/G U	0.153	1.00	1.00	0	
MB	120362184	GEL	1596447	1203621848	MB	TARGET	09/15/16	09/15/16	09/15/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	0.0834	0.115	OER-100-7	PCI/G	0.125	1.00	1.00	0	
HO.1.1	120362184	GEL	1596447	1203621848	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-238	R DOE EML HASL-300, Pu-11-RC Modified	-0.0139	0.0692	13981-16-3	PCI/G HU	0.178	1.00	1.00	15.8	
HO.1.1	120362184	GEL	1596447	1203621848	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	0.0585	0.116	OER-100-7	PCI/G H	0.163	1.00	1.00	15.8	
LCS	120362185	GEL	1596447	1203621848	LCS	SPIKE	09/15/16	09/15/16	09/15/16	09/15/16	405240	Plutonium-239/240	R DOE EML HASL-300, Pu-11-RC Modified	114	0.696	OER-100-7	%	0.169	1.00	1.00	0	
MB	120362185	GEL	1596448	1203621851	MB	TARGET	09/17/16	09/17/16	09/17/16	09/17/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	-0.762	5.17	14119-32-5	PCI/G U	8.86	15.0	1.00	0	
HO.1.1	120362185	GEL	1596448	1203621851	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/19/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	-2.7	6.89	14119-32-5	PCI/G HU	11.9	15.0	1.00	15.8	
LCS	120362185	GEL	1596448	1203621851	LCS	SPIKE	09/17/16	09/17/16	09/17/16	09/17/16	405240	Plutonium-241	R DOE EML HASL-300, Pu-11-RC Modified	95.1	8.93	14119-32-5	%	11.4	15.0	1.00	0	
MB	120362431	GEL	1597418	1203624314	MB	TARGET	09/27/16	09/27/16	09/27/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	0.0408	0.879	14133-76-7	PCI/G U	1.51	5.00	1.00	0	
HO.1.1	120362431	GEL	1597418	1203624314	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	-1.08	1.30	14133-76-7	PCI/G HU	2.28	5.00	1.00	15.8	
LCS	120362431	GEL	1597418	1203624314	LCS	SPIKE	09/27/16	09/27/16	09/27/16	09/27/16	405240	Technetium-99	R DOE EML HASL-300, Tc-02-RC Modified	106	1.80	14133-76-7	%	1.50	5.00	1.00	0	
MB	120362453	GEL	1597481	1203624533	MB	TARGET	09/21/16	09/21/16	09/21/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	-0.84	1.82	10028-17-8	PCI/G U	3.47	6.00	1.00	0	
HO.1.1	120362453	GEL	1597481	1203624533	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	0.730	2.29	10028-17-8	PCI/G HU	4.06	6.00	1.00	15.8	
HO.1.1	120362453	GEL	1597481	1203624533	MS	SPIKE	12/15/15	12/21/15	09/08/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	80.5	5.98	10028-17-8	%	5.00	6.00	1.00	15.8	
LCS	120362453	GEL	1597481	1203624533	LCS	SPIKE	09/21/16	09/21/16	09/21/16	09/21/16	405240	Tritium	R EPA 906.0 Modified	88.8	5.83	10028-17-8	%	4.58	6.00	1.00	0	
MB	120362542	GEL	1597807	1203625428	MB	TARGET	09/27/16	09/27/16	09/27/16	09/27/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	0.251	0.515	10098-97-2	PCI/G U	0.928	2.00	1.00	0	
HO.2.1	120362542	GEL	1597807	1203625428	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	-0.122	0.690	10098-97-2	PCI/G HU	1.29	2.00	1.00	20.8	
LCS	120362543	GEL	1597807	1203625428	LCS	SPIKE	09/27/16	09/27/16	09/27/16	09/27/16	405240	Strontium-90	R EPA 905.0 Modified/DOE RP501 Rev. 1 Mo	113	3.71	10098-97-2	%	1.47	2.00	1.00	0	
MB	120362546	GEL	1597818	1203625464	MB	TARGET	09/23/16	09/23/16	09/23/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modifie	-0.0818	1.69	12587-46-1	PCI/G U	3.61	4.00	1.00	0	
MB	120362546	GEL	1597818	1203625464	MB	TARGET	09/23/16	09/23/16	09/23/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modifie	1.38	2.20	12587-47-2	PCI/G U	3.79	10.0	1.00	0	
HO.1.5	120362546	GEL	1597818	1203625464	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modifie	19.7	4.25	12587-46-1	PCI/G H	3.91	4.00	1.00	16.8	
HO.1.5	120362546	GEL	1597818	1203625464	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modifie	21.6	2.68	12587-47-2	PCI/G H	2.48	10.0	1.00	16.8	
HO.1.5	120362546	GEL	1597818	1203625464	MS	SPIKE	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modifie	89.1	13.9	12587-46-1	%	6.13	4.00	1.00	16.8	
HO.1.5	120362546	GEL	1597818	1203625464	MS	SPIKE	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modifie	80.5	15.0	12587-47-2	%	3.60	10.0	1.00	16.8	
HO.1.5	120362546	GEL	1597818	1203625464	MSD	SPIKE	12/15/15	12/21/15	09/08/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modifie	121	17.4	12587-46-1	%	6.99	4.00	1.00	16.8	
HO.1.5	120362546	GEL	1597818	1203625464	MSD	SPIKE	12/15/15	12/21/15	09/08/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modifie	92.4	16.1	12587-47-2	%	5.59	10.0	1.00	16.8	
LCS	120362546	GEL	1597818	1203625464	LCS	SPIKE	09/23/16	09/23/16	09/23/16	09/23/16	405240	ALPHA	R EPA 900.0/SW846 9310/SM 7110B Modifie	99.7	10.3	12587-46-1	%	3.83	4.00	1.00	0	
LCS	120362546	GEL	1597818	1203625464	LCS	SPIKE	09/23/16	09/23/16	09/23/16	09/23/16	405240	BETA	R EPA 900.0/SW846 9310/SM 7110B Modifie	111	15.6	12587-47-2	%	3.66	10.0	1.00	0	
MB	120362605	GEL	1598055	1203626057	MB	TARGET	09/28/16	09/28/16	09/28/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	0.414	0.647	14762-75-5	PCI/G U	1.09	2.00	1.00	0	
HO.1.1	120362605	GEL	1598055	1203626057	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	0.609	0.652	14762-75-5	PCI/G H	1.09	2.00	1.00	15.8	
HO.1.1	120362605	GEL	1598055	1203626057	MS	SPIKE	12/15/15	12/21/15	09/08/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	99	1.57	14762-75-5	%	1.10	2.00	1.00	15.8	
LCS	120362606	GEL	1598055	1203626057	LCS	SPIKE	09/28/16	09/28/16	09/28/16	09/28/16	405240	Carbon-14	R EPA EERF C-01 Modified	97.9	1.55	14762-75-5	%	1.10	2.00	1.00	0	
MB	120362753	GEL	1598666	1203627535	MB	TARGET	09/29/16	09/29/16	09/29/16	09/29/16	405240	Iodine-129	R DOE EML HASL-300,I-01 Modified	-0.377	0.370	15046-84-1	PCI/G U	0.510	1.00	1.00	0	
HO.1.1	120362753	GEL	1598666	1203627535	DUP	TARGET	12/15/15	12/21/15	09/08/16	09/29/16	405240											