

Appendix C – Analytical Methodology

Analytical Parameter	Method	MDC	Units
Standard Analysis			
Gross Alpha	EPA 900.0 Mod/SW	4	pCi/g
Gross Beta (Nonvolatile Beta)	EPA 900.0 Mod/SW	10	pCi/g
Gamma Scan	DOE HASL 300 4.5.2.3/Ga-01-R	0.1 (Cs-137 Only)	pCi/g
Expanded Analysis			
Am-241,Cm-242,Cm-243/244,Cm-245/246	DOE HASL 300 Am-05-RC Mod	1	pCi/g
C-14	EPA EERF C-01 Mod	2	pCi/g
I-129	DOE HASL 300 I-01	1	pCi/g
Np-237	DOE HASL 300	1	pCi/g
Pu-238, 239/240	DOE HASL 300 Pu-11-RC Mod	1	pCi/g
Pu-241	DOE HASL 300 Pu-11-RC Mod	15	pCi/g
Sr-90	EPA 905.0 Mod	2	pCi/g
Tc-99	DOE HASL 300 Tc-02-RC Mod	5	pCi/g
U-232	DOE HASL 300 U-02-RC Mod	1	pCi/g
U-233/234, U-235/236, U-238	DOE HASL 300 U-02-RC Mod	1	pCi/g
H-3	EPA 906.0 Mod	6	pCi/g
Th-229	DOE HASL 300 Th-01-RC Mod	1	pCi/g
Th-228, Th-230, Th-232	DOE HASL 300 Th-01-RC Mod	1	pCi/g
Radium 226 (20-day ingrowth)	DOEHASL 300 4.5.2.3/GA-01-R	1	pCi/g
Radium 228	DOEHASL 300 4.5.2.3/GA-01-R	3	pCi/g