

APPENDIX C

GAMMA SPECTROSCOPY ANALYTICAL RESULTS

Table C-1. Vertical Solids, Drill Cuttings

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WP-03-SL-038	0.562	0	1.27	2.09	0.26	0.343	1.08	0.077	0.028	1.04	0.077	0.029
WP-04-SL-001	0.716	0	1.50	1.99	0.418	0.595	1.21	0.213	0.066	1.05	0.094	0.074
WP-04-SL-002	1.86	0	1.51	2.09	0.383	0.552	1.02	0.083	0.044	0.979	0.088	0.048
WP-04-SL-003	0.426	0	1.43	2.04	0.365	0.529	0.967	0.079	0.046	0.928	0.082	0.054
WP-04-SL-004	1.85	0	1.56	2.34	0.38	0.531	1.04	0.082	0.053	1.01	0.086	0.049
WP-04-SL-005	1.67	0.918	1.48	2.39	0.359	0.461	1.06	0.141	0.041	0.992	0.10	0.045
WP-04-SL-006	0.827	0.229	0.361	2.11	0.185	0.190	0.998	0.065	0.017	0.92	0.076	0.016
WP-04-SL-007	0.868	0.575	0.934	2.05	0.21	0.242	0.941	0.064	0.022	0.842	0.065	0.020
WP-04-SL-008	1.30	0.149	0.382	2.75	0.272	0.209	1.33	0.227	0.018	1.22	0.102	0.019
WP-05-SL-028	1.56	0	1.32	2.13	0.333	0.457	0.935	0.076	0.041	0.835	0.075	0.039
WP-05-SL-029	0.969	0.803	1.31	1.75	0.306	0.428	0.706	0.062	0.049	0.712	0.068	0.016
WP-05-SL-030	0.242	0	0.565	1.61	0.21	0.272	0.799	0.058	0.026	0.728	0.065	0.027
WP-05-SL-031	0.835	0.219	0.672	1.81	0.284	0.368	0.875	0.152	0.032	0.786	0.072	0.031
WP-05-SL-033	0.455	0	1.62	1.84	0.283	0.391	0.849	0.063	0.034	0.746	0.064	0.031
WP-06-SL-014	1.27	0.328	0.514	2.93	0.299	0.341	1.42	0.097	0.026	1.27	0.107	0.026
WP-06-SL-015	1.52	0.813	1.32	2.22	0.398	0.541	0.995	0.173	0.054	0.979	0.082	0.055
WP-06-SL-016	2.07	0.871	1.38	3.21	0.397	0.505	1.61	0.121	0.041	1.49	0.121	0.035
WP-06-SL-017	1.64	0	1.54	2.73	0.342	0.429	1.20	0.089	0.039	1.10	0.091	0.05
WP-06-SL-018	0.200	0	1.13	0.90	0.209	0.312	0.56	0.046	0.028	0.532	0.047	0.029
WP-06-SL-019	0.469	0	0.396	1.19	0.168	0.202	0.602	0.103	0.021	0.59	0.045	0.022
WP-06-SL-020	0.509	0	0.923	5.15	0.43	0.336	3.59	0.257	0.03	3.38	0.263	0.029
WP-06-SL-021	0.164	0.095	0.153	0.698	0.074	0.086	0.365	0.025	0.008	0.344	0.03	0.007
WP-06-SL-022	1.29	0.269	0.751	2.96	0.379	0.420	1.59	0.276	0.037	1.44	0.126	0.04
WP-06-SL-023	0.238	0	1.29	0.899	0.228	0.342	0.45	0.041	0.027	0.435	0.044	0.031
WP-06-SL-024	-0.306	0	0.790	1.79	0.177	0.195	1.20	0.08	0.019	1.10	0.084	0.014
WP-06-SL-025	0.987	0.397	0.635	2.94	0.337	0.405	1.67	0.116	0.035	1.52	0.13	0.013
WP-06-SL-026	0.401	0	1.21	2.24	0.449	0.631	1.55	0.266	0.06	1.50	0.12	0.065
WP-07-SL-039	1.19	0	1.45	2.03	0.457	0.655	0.975	0.173	0.066	0.901	0.089	0.079
WP-07-SL-040	0.788	0.922	0.525	2.43	0.325	0.398	0.944	0.126	0.041	0.888	0.087	0.042
WP-07-SL-041	0.375	0	1.72	1.33	0.128	0.111	1.05	0.088	0.059	1.02	0.09	0.057
WP-10-SL-045	0.959	0.440	0.708	1.94	0.30	0.384	0.905	0.158	0.032	0.855	0.078	0.031
WP-11-SL-047	-0.009	0	0.949	2.32	0.432	0.614	0.911	0.073	0.05	0.829	0.073	0.043
WP-12-SL-052	0.842	0	3.01	17.2	1.55	1.18	13.3	1.69	0.101	12.9	1.14	0.097
WP-12-SL-053	-3.50	0	2.25	1.39	0.152	0.168	3.74	0.636	0.071	3.55	0.26	0.098

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Table C-1. Vertical Solids, Drill Cuttings (Continued)

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WP-13-SL-059	-0.384	0	1.75	1.83	0.488	0.674	1.08	0.147	0.053	1.07	0.20	0.07
WP-14-SL-073	-1.42	0	1.54	6.97	1.02	0.648	5.23	0.682	0.046	5.08	0.907	0.068
WP-14-SL-074	1.41	0.502	0.802	2.88	0.355	0.287	1.65	0.144	0.025	1.57	0.187	0.024
WP-15-SL-075	1.21	0.853	1.39	7.82	0.676	0.475	5.01	0.358	0.038	4.72	0.31	0.037

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
WP-03-SL-038	1.18	0.082	0.04	1.21	0.093	0.04	1.24	0.086	0.041	1.51	0.105	0.032	0.788	0.095	0.115
WP-04-SL-001	1.06	0	0.181	1.06	0	0.181	1.09	0	0.186	0.938	0.129	0.062	0.795	0	0.269
WP-04-SL-002	1.07	0.101	0.077	1.09	0.102	0.077	1.12	0.106	0.08	1.22	0.092	0.031	0.801	0.154	0.203
WP-04-SL-003	1.14	0.11	0.101	1.16	0.112	0.101	1.19	0.115	0.104	1.19	0.084	0.034	0.817	0.164	0.227
WP-04-SL-004	1.08	0.106	0.096	1.10	0.108	0.096	1.13	0.111	0.098	1.09	0.080	0.032	0.65	0.124	0.163
WP-04-SL-005	1.18	0.112	0.093	1.20	0.114	0.093	1.24	0.117	0.096	1.20	0.128	0.03	0.768	0.144	0.181
WP-04-SL-006	1.20	0.087	0.024	1.23	0.089	0.024	1.25	0.091	0.024	1.28	0.083	0.011	0.787	0.085	0.073
WP-04-SL-007	0.971	0.081	0.028	0.994	0.082	0.028	1.02	0.085	0.029	1.03	0.07	0.015	0.595	0.051	0.076
WP-04-SL-008	1.16	0.086	0.028	1.19	0.088	0.028	1.21	0.09	0.028	1.18	0.16	0.012	0.73	0.081	0.07
WP-05-SL-028	1.05	0.088	0.064	1.08	0.09	0.064	1.10	0.092	0.064	1.14	0.086	0.029	0.733	0.133	0.172
WP-05-SL-029	1.05	0.10	0.073	1.07	0.102	0.073	1.10	0.104	0.075	0.947	0.071	0.030	0.526	0.109	0.142
WP-05-SL-030	0.92	0.076	0.039	0.939	0.075	0.039	0.963	0.08	0.04	1.13	0.079	0.038	0.60	0.096	0.114
WP-05-SL-031	1.03	0.093	0.067	1.05	0.095	0.067	1.08	0.098	0.069	1.37	0.188	0.042	0.608	0.108	0.139
WP-05-SL-033	0.687	0.074	0.061	0.701	0.075	0.061	0.72	0.077	0.062	0.95	0.072	0.042	0.423	0.113	0.169
WP-06-SL-014	1.05	0.091	0.033	1.06	0.092	0.033	1.09	0.095	0.034	1.08	0.075	0.018	0.671	0.09	0.092
WP-06-SL-015	1.03	0.111	0.121	1.04	0.112	0.121	1.07	0.116	0.124	1.04	0.145	0.055	0.681	0.168	0.249
WP-06-SL-016	0.871	0.084	0.079	0.885	0.085	0.079	0.911	0.088	0.081	0.981	0.074	0.028	0.601	0.118	0.162
WP-06-SL-017	0.976	0.099	0.102	0.991	0.101	0.102	1.02	0.104	0.104	1.01	0.074	0.029	0.71	0.142	0.20
WP-06-SL-018	0.177	0.035	0.044	0.181	0.035	0.044	0.185	0.037	0.045	0.116	0.012	0.016	0.076	0.055	0.088
WP-06-SL-019	0.238	0.031	0.038	0.242	0.031	0.038	0.249	0.032	0.039	0.202	0.028	0.013	0.125	0.052	0.082
WP-06-SL-020	0.642	0.057	0.048	0.654	0.054	0.048	0.672	0.06	0.049	0.33	0.026	0.02	0.198	0.036	0.085
WP-06-SL-021	0.11	0.014	0.012	0.107	0.012	0.012	0.115	0.014	0.015	0.143	0.012	0.011	0.045	0.016	0.024
WP-06-SL-022	0.782	0.081	0.072	0.802	0.083	0.072	0.818	0.084	0.073	0.729	0.101	0.024	0.484	0.114	0.161
WP-06-SL-023	0.197	0.043	0.03	0.208	0.027	0.03	0.207	0.046	0.058	0.19	0.018	0.016	0.192	0.082	0.123

Table C-1. Vertical Solids, Drill Cuttings (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
WP-06-SL-024	0.407	0.036	0.02	0.416	0.037	0.02	0.426	0.037	0.021	0.589	0.043	0.021	0.195	0.025	0.04
WP-06-SL-025	0.751	0.073	0.044	0.769	0.075	0.044	0.786	0.076	0.045	0.69	0.05	0.022	0.402	0.087	0.117
WP-06-SL-026	0.578	0.095	0.125	0.592	0.097	0.125	0.605	0.10	0.129	0.521	0.074	0.038	0.668	0.752	0.296
WP-07-SL-039	1.07	0.136	0.161	1.09	0.139	0.161	1.12	0.142	0.165	1.18	0.166	0.068	0.830	0.226	0.337
WP-07-SL-040	1.29	0.111	0.086	1.32	0.114	0.086	1.35	0.116	0.088	1.55	0.167	0.06	0.948	0.154	0.193
WP-07-SL-041	1.30	0.125	0.111	1.33	0.128	0.111	1.36	0.13	0.113	1.54	0.114	0.062	0.82	0.181	0.255
WP-10-SL-045	0.866	0.082	0.06	0.885	0.084	0.06	0.907	0.086	0.061	1.08	0.15	0.046	0.532	0.10	0.129
WP-11-SL-047	0.191	0.03	0.034	0.472	0.069	0.077	0.20	0.031	0.035	0.681	0.063	0.059	0.191	0.091	0.141
WP-12-SL-052	2.74	0.203	0.126	2.80	0.207	0.126	2.87	0.213	0.13	3.52	0.386	0.13	0.804	0.141	0.274
WP-12-SL-053	1.37	0.149	0.168	1.39	0.152	0.168	1.43	0.156	0.173	1.87	0.258	0.093	0.752	0.22	0.336
WP-13-SL-059	1.07	0.139	0.148	1.09	0.141	0.148	1.12	0.145	0.152	1.42	0.205	0.064	0.648	0.188	0.279
WP-14-SL-073	2.18	0.195	0.123	2.23	0.199	0.123	2.28	0.204	0.126	2.56	0.363	0.064	1.02	0.113	0.202
WP-14-SL-074	1.37	0.135	0.035	0.14	0.137	0.035	1.43	0.141	0.036	1.69	0.177	0.036	0.848	0.084	0.075
WP-15-SL-075	2.45	0.176	0.05	2.48	0.178	0.05	2.57	0.184	0.051	2.78	0.214	0.045	1.14	0.092	0.108

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WP-03-SL-038	0.127	0.017	0.021	23.4	1.58	0.121
WP-04-SL-001	0.064	0	0.173	9.01	0	1.24
WP-04-SL-002	-0.089	0	0.149	20.2	1.43	0.211
WP-04-SL-003	-0.07	0	0.146	20.3	1.54	0.299
WP-04-SL-004	0.094	0	0.181	18.1	1.27	0.217
WP-04-SL-005	0.158	0	0.152	20.2	1.45	0.245
WP-04-SL-006	0.06	0.039	0.061	24.4	1.61	0.081
WP-04-SL-007	0.068	0.044	0.07	22.5	1.60	0.101
WP-04-SL-008	0.097	0.044	0.067	23.6	1.65	0.111
WP-05-SL-028	-0.021	0	0.138	21.6	1.50	0.183
WP-05-SL-029	0.198	0	0.173	17.3	1.23	0.209
WP-05-SL-030	-0.004	0	0.092	15.9	1.09	0.118
WP-05-SL-031	0.097	0	0.107	21.7	1.56	0.209
WP-05-SL-033	0.012	0	0.136	12.6	0.941	0.152

Table C-1. Vertical Solids, Drill Cuttings (Continued)

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WP-06-SL-014	0.178	0.019	0.021	22.7	1.57	0.113
WP-06-SL-015	0.051	0	0.165	21.0	1.48	0.343
WP-06-SL-016	0.085	0	0.14	26.9	1.83	0.211
WP-06-SL-017	0.166	0.021	0.027	24.0	1.64	0.221
WP-06-SL-018	0.012	0	0.081	3.26	0.305	0.168
WP-06-SL-019	0.042	0	0.058	6.81	0.481	0.115
WP-06-SL-020	-0.07	0	0.096	8.90	0.622	0.151
WP-06-SL-021	0.016	0	0.003	18.8	0.137	0.036
WP-06-SL-022	0.015	0	0.121	18.4	1.34	0.235
WP-06-SL-023	0.048	0	0.097	4.97	0.435	0.141
WP-06-SL-024	0.036	0	0.067	12.3	0.089	0.079
WP-06-SL-025	0.008	0	0.109	18.4	1.30	0.15
WP-06-SL-026	0.149	0	0.171	14.2	1.07	0.352
WP-07-SL-039	0.093	0	0.194	20.1	1.49	0.382
WP-07-SL-040	0.147	0.021	0.025	23.6	1.64	0.20
WP-07-SL-041	-0.104	0	0.172	20.8	1.59	0.306
WP-10-SL-045	0.057	0	0.106	16.5	1.20	0.18
WP-11-SL-047	0.039	0	0.082	12.7	0.96	0.191
WP-12-SL-052	0.034	0	0.311	17.6	1.29	0.502
WP-12-SL-053	-0.008	0	0.302	16.6	1.24	0.507
WP-13-SL-059	-0.114	0	0.231	20.4	1.51	0.41
WP-14-SL-073	0.005	0	0.21	20.9	1.45	0.39
WP-14-SL-074	0.104	0.057	0.088	22.2	1.52	0.124
WP-15-SL-075	0.011	0	0.126	19.5	1.41	0.181

Table C-2. Horizontal Solids, Drill Cuttings

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WP-02-SL-036	4.96	1.42	2.22	13.0	1.09	0.87	6.37	0.437	0.084	5.95	0.439	0.075
WP-03-SL-065	4.19	1.23	1.91	9.76	1.35	1.37	4.58	0.402	0.067	4.25	0.509	0.064
WP-04-SL-009	0.803	0.157	0.239	3.69	0.282	0.188	1.96	0.13	0.017	1.80	0.148	0.01
WP-04-SL-010	0.917	0.30	0.473	3.96	0.341	0.323	2.04	0.134	0.028	1.86	0.154	0.028
WP-04-SL-011	0.575	0.153	0.469	2.37	0.287	0.306	1.17	0.201	0.029	1.10	0.095	0.027
WP-04-SL-012	0.065	0	2.53	5.43	0.621	0.757	2.83	0.201	0.062	2.80	0.206	0.059
WP-05-SL-027	1.88	0.904	1.45	3.31	0.424	0.507	1.37	0.18	0.047	1.31	0.124	0.037
WP-05-SL-032	0.006	0	2.09	1.50	0.382	0.579	0.822	0.072	0.059	0.78	0.073	0.048
WP-05-SL-034	0.97	0.81	1.32	3.17	0.422	0.565	1.53	0.115	0.047	1.46	0.114	0.047
WP-06-SL-037	0.830	0	0.731	1.17	0.211	0.299	0.681	0.055	0.027	0.666	0.059	0.024
WP-10-SL-048	0.838	0	2.30	4.92	0.546	0.627	2.51	0.182	0.07	2.44	0.183	0.057
WP-11-SL-068	-0.007	0	0.835	1.06	0.269	0.282	0.434	0.098	0.034	0.376	0.05	0.03
WP-12-SL-055	-0.156	0	0.485	-0.06	0	0.183	0.289	0.033	0.034	0.001	0	0.016
WP-12-SL-056	1.57	0	1.05	3.56	0.381	0.423	1.82	0.135	0.039	1.73	0.14	0.036
WP-13-SL-062	3.11	1.20	1.93	10.3	0.994	0.616	5.18	0.419	0.057	4.73	0.47	0.044
WP-14-SL-077	2.78	1.11	1.75	8.09	0.623	0.48	4.36	0.319	0.045	4.39	0.688	0.045
WP-14-SL-078	3.09	0.26	0.394	9.60	0.803	0.329	4.98	0.362	0.025	4.60	0.419	0.026
WP-14-SL-079	2.24	0.322	0.466	8.97	0.683	0.277	4.99	0.349	0.026	4.57	0.598	0.022

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
WP-02-SL-036	0.608	0.089	0.116	0.621	0.091	0.116	0.636	0.093	0.119	1.78	0.142	0.094	0.446	0.083	0.249
WP-03-SL-065	0.786	0.116	0.122	0.797	0.117	0.122	0.822	0.121	0.126	0.822	0.121	0.116	0.523	0.15	0.219
WP-04-SL-009	0.568	0.049	0.02	0.581	0.05	0.02	0.595	0.052	0.02	0.575	0.04	0.011	0.364	0.041	0.041
WP-04-SL-010	0.524	0.055	0.054	0.535	0.056	0.054	0.549	0.058	0.055	0.539	0.037	0.018	0.281	0.067	0.095
WP-04-SL-011	0.654	0.062	0.052	0.668	0.064	0.052	0.685	0.066	0.054	0.655	0.09	0.018	0.462	0.078	0.098
WP-04-SL-012	0.712	0.092	0.109	0.727	0.094	0.109	0.745	0.097	0.111	0.703	0.054	0.038	0.319	0.122	0.186
WP-05-SL-027	0.755	0.083	0.083	0.772	0.085	0.083	0.79	0.087	0.085	0.825	0.09	0.027	0.458	0.12	0.17
WP-05-SL-032	0.696	0.092	0.099	0.711	0.094	0.099	0.729	0.096	0.102	0.832	0.072	0.059	0.462	0.138	0.20
WP-05-SL-034	0.841	0.089	0.091	0.861	0.091	0.091	0.881	0.093	0.093	0.865	0.061	0.028	0.518	0.132	0.193
WP-06-SL-037	0.339	0.042	0.042	0.346	0.043	0.042	0.354	0.044	0.043	0.479	0.045	0.04	0.238	0.073	0.106

Table C-2. Horizontal Solids, Drill Cuttings (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
WP-10-SL-048	0.68	0.097	0.099	0.694	0.099	0.119	0.712	0.101	0.122	1.13	0.096	0.084	0.397	0.155	0.239
WP-11-SL-068	0.237	0.074	0.044	0.241	0.075	0.044	0.248	0.077	0.045	0.344	0.073	0.034	0.177	0.059	0.077
WP-12-SL-055	0.01	0	0.031	0.01	0	0.031	0.003	0	0.031	-0.008	0	0.014	0.031	0	0.071
WP-12-SL-056	0.527	0.058	0.054	0.535	0.059	0.054	0.551	0.06	0.056	0.551	0.06	0.044	0.382	0.098	0.141
WP-13-SL-062	0.478	0.063	0.077	0.487	0.064	0.077	0.50	0.066	0.079	1.50	0.137	0.069	0.273	0.054	0.112
WP-14-SL-077	0.689	0.063	0.092	0.702	0.064	0.092	0.721	0.066	0.095	1.505	0.11	0.073	0.407	0.06	0.127
WP-14-SL-078	0.813	0.068	0.038	0.828	0.069	0.038	0.851	0.071	0.039	1.70	0.136	0.039	0.492	0.05	0.075
WP-14-SL-079	1.14	0.10	0.032	1.16	0.102	0.032	1.19	0.105	0.032	1.76	0.131	0.032	0.574	0.066	0.063

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WP-02-SL-036	0.789	0.071	0.053	18.3	1.30	0.385
WP-03-SL-065	0.265	0.147	0.227	26.2	1.88	0.368
WP-04-SL-009	0.13	0.041	0.056	12.6	0.87	0.071
WP-04-SL-010	0.24	0.022	0.02	12.6	0.866	0.133
WP-04-SL-011	0.144	0.018	0.019	16.8	1.21	0.155
WP-04-SL-012	0.22	0	0.202	15.3	1.14	0.307
WP-05-SL-027	0.201	0.027	0.031	18.3	1.31	0.19
WP-05-SL-032	0.114	0	0.158	14.2	1.09	0.268
WP-05-SL-034	-0.193	0	0.152	20.1	1.51	0.26
WP-06-SL-037	0.021	0	0.085	6.33	0.485	0.146
WP-10-SL-048	0.251	0	0.194	31.5	2.53	0.679
WP-11-SL-068	0.087	0	0.091	7.41	2.93	0.236
WP-12-SL-055	-0.005	0	0.058	1.47	0.039	0.574
WP-12-SL-056	0.153	0.084	0.129	11.7	0.841	0.197
WP-13-SL-062	0.391	0.148	0.215	8.70	0.648	0.234
WP-14-SL-077	0.384	0.109	0.145	17.5	0.509	0.25
WP-14-SL-078	0.302	0.075	0.087	20.4	0.136	0.142
WP-14-SL-079	0.277	0.07	0.085	16.7	1.14	0.122

Table C-3. Drilling Solids, Mud

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WP-10-SL-049	1.73	0	1.39	3.35	0.44	0.569	1.65	0.126	0.051	1.61	0.128	0.047
WP-13-SL-063	0.70	0.376	0.61	3.72	0.394	0.303	1.85	0.157	0.024	1.73	0.18	0.022
WP-10-SL-046	0.961	0	1.61	3.66	0.461	0.544	1.83	0.144	0.055	1.70	0.146	0.05
WP-13-SL-060	0.555	0.424	0.692	2.78	0.274	0.254	1.41	0.102	0.021	1.28	0.088	0.021
WP-03-SL-066	0.252	0.266	0.436	1.51	0.262	0.26	0.836	0.111	0.02	0.796	0.144	0.023
WP-04-SL-013	0.605	0.532	0.866	1.58	0.20	0.255	0.802	0.058	0.022	0.743	0.057	0.023
WP-05-SL-035	0.256	0	0.375	0.675	0.132	0.182	0.27	0.048	0.02	0.249	0.024	0.021
WP-11-SL-069	-0.155	0	0.673	1.04	0.157	0.217	0.506	0.042	0.02	0.526	0.085	0
WP-12-SL-054	1.10	0.468	0.718	1.28	0.217	0.264	0.223	0.037	0.028	0.224	0.031	0.021

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
WP-10-SL-049	0.33	0.065	0.87	0.335	0.066	0.087	0.345	0.068	0.089	0.652	0.06	0.057	0.293	0.10	0.145
WP-13-SL-063	0.322	0.036	0.037	0.328	0.036	0.037	0.337	0.037	0.038	0.655	0.063	0.026	0.173	0.027	0.068
WP-10-SL-046	0.261	0.063	0.086	0.266	0.064	0.086	0.274	0.066	0.088	0.691	0.072	0.074	0.199	0.12	0.19
WP-13-SL-060	0.29	0.034	0.037	0.296	0.035	0.037	0.304	0.036	0.038	0.584	0.05	0.031	0.189	0.045	0.066
WP-03-SL-066	0.176	0.037	0.052	0.178	0.038	0.052	0.185	0.039	0.054	0.353	0.054	0.028	0.089	0.05	0.079
WP-04-SL-013	0.216	0.033	0.043	0.221	0.034	0.043	0.226	0.035	0.044	0.190	0.015	0.013	0.175	0.053	0.078
WP-05-SL-035	0.179	0.029	0.037	0.182	0.029	0.037	0.187	0.03	0.038	0.153	0.022	0.013	0.033	0	0.096
WP-11-SL-069	0.191	0.031	0.045	0.195	0.032	0.045	0.20	0.033	0.046	0.257	0.025	0.026	0.107	0.049	0.076
WP-12-SL-054	0.12	0.039	0.053	0.122	0.04	0.053	0.126	0.04	0.055	0.164	0.029	0.034	-0.012	0	0.119

Table C-3. Drilling Solids, Mud (Continued)

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WP-10-SL-049	0.08	0	0.156	7.32	0.646	0.298
WP-13-SL-063	0.143	0.052	0.074	6.53	0.463	0.119
WP-10-SL-046	0.081	0	0.175	6.91	0.605	0.287
WP-13-SL-060	0.086	0.048	0.074	5.96	0.451	0.111
WP-03-SL-066	0.021	0	0.085	4.93	0.381	0.163
WP-04-SL-013	0.063	0.046	0.073	4.31	0.337	0.119
WP-05-SL-035	0.017	0	0.054	3.54	0.284	0.112
WP-11-SL-069	-0.01	0	0.058	3.84	0.189	0.112
WP-12-SL-054	0.004	0	0.081	1.47	0.214	0.156

Table C-4. Proppant Sand

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WP-05-SL-058	0.157	0	0.20	0.225	0.068	0.104	0.116	0.012	0.01	0.108	0.016	0.011
WP-06-SL-070	0.323	0.136	0.216	0.17	0.057	0.089	0.049	0.006	0.005	0.044	0.006	0.005
WP-08-SL-044	-0.008	0	0.02	0.246	0.074	0.112	0.139	0.013	0.01	0.142	0.028	0.01
WP-09-SL-043	0.284	0	0.426	0.301	0.09	0.133	0.096	0.014	0.015	0.089	0.013	0.012
WP-10-SL-067	0.219	0	0.369	0.218	0.083	0.111	0.068	0.019	0.015	0.061	0.012	0.009
WP-11-SL-072	0.158	0.124	0.203	0.275	0.061	0.073	0.112	0.016	0.007	0.11	0.022	0.009
WP-12-SL-064	0.026	0	0.426	0.358	0.106	0.126	0.15	0.035	0.015	0.134	0.020	0.014
WP-14-SL-081	0.315	0	0.442	0.266	0.113	0.105	0.103	0.011	0.01	0.089	0.017	0.012
WP-25-SL-042	0.092	0	0.267	0.188	0.063	0.094	0.029	0.007	0.009	0.024	0.007	0.008
WP-04-SL-050	0.082	0.085	0.139	0.18	0.048	0.071	0.076	0.008	0.007	0.072	0.009	0.008

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 Error (pCi/g)
WP-05-SL-058	0.115	0.029	0.022	0.135	0.02	0.022	0.139	0.02	0.022	0.157	0.015	0.013	0.052	0.024	0.036
WP-06-SL-070	0.025	0.005	0.006	0.026	0.005	0.006	0.026	0.005	0.006	0.040	0.005	0.005	0.02	0.01	0.016
WP-08-SL-044	0.045	0.018	0.015	0.065	0.013	0.015	0.067	0.014	0.016	0.077	0.01	0.013	0.024	0.019	0.029
WP-09-SL-043	0.044	0.017	0.023	0.045	0.017	0.023	0.046	0.017	0.024	0.065	0.011	0.014	0.020	0	0.061
WP-10-SL-067	0.018	0.011	0.013	0.018	0.011	0.013	0.019	0.011	0.014	0.019	0.011	0.014	0.017	0.02	0.032
WP-11-SL-072	0.025	0.009	0.014	0.025	0.010	0.014	0.026	0.01	0.014	0.060	0.011	0.011	0.019	0.017	0.027
WP-12-SL-064	0.037	0.017	0.019	0.038	0.017	0.019	0.039	0.018	0.019	0.065	0.017	0.016	-0.004	0	0.049
WP-14-SL-081	0.102	0.02	0.028	0.02	0.028	0.026	0.107	0.020	0.029	0.123	0.013	0.015	0.076	0.025	0.037
WP-25-SL-042	0.009	0.017	0.013	0.018	0.009	0.013	0.018	0.009	0.013	0.016	0.006	0.009	0.011	0	0.036
WP-04-SL-050	0.047	0.016	0.013	0.053	0.011	0.013	0.054	0.011	0.013	0.064	0.008	0.01	0.034	0.018	0.027

Table C-4. Proppant Sand (Continued)

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WP-05-SL-058	-0.011	0	0.037	7.25	0.519	0.046
WP-06-SL-070	0.002	0	0.018	0.069	0.015	0.018
WP-08-SL-044	0.001	0	0.004	0.162	0.04	0.048
WP-09-SL-043	0.015	0	0.05	0.199	0.055	0.059
WP-10-SL-067	0.003	0	0.036	0.136	0.079	0.071
WP-11-SL-072	-0.016	0	0.033	0.07	0.028	0.04
WP-12-SL-064	0.017	0	0.042	0.386	0.018	0.045
WP-14-SL-081	0.026	0	0.035	4.99	0.18	0.056
WP-25-SL-042	0.011	0	0.029	0.06	0	0.061
WP-04-SL-050	-0.001	0	0.025	0.733	0.073	0.035

Table C-5. Flowback Solids, Sand

Uranium Series												
Study ID	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WP-04-SL-061	0.717	0	1.86	7.73	0.957	0.756	6.05	0.527	0.061	5.70	0.679	0.057
WP-09-SL-057	0.178	0	0.711	0.763	0.155	0.219	0.414	0.036	0.022	0.425	0.04	0.022
WP-11-SL-080	0.447	0	0.783	2.76	0.301	0.248	2.01	0.171	0.026	1.90	0.197	0.024
WP-12-SL-071	-0.007	0	0.985	2.58	0.249	0.277	2.14	0.157	0.026	2.18	0.343	0.024

Thorium Series															
Study ID	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 Error (pCi/g)
WP-04-SL-061	0.609	0.101	0.122	0.619	0.103	0.122	0.638	0.106	0.125	1.19	0.137	0.089	0.248	0	0.231
WP-09-SL-057	0.191	0.032	0.033	0.194	0.032	0.033	0.20	0.033	0.034	0.136	0.019	0.022	0.051	0.042	0.066
WP-11-SL-080	0.603	0.054	0.041	0.611	0.055	0.041	0.631	0.057	0.042	0.614	0.060	0.031	0.160	0.027	0.073
WP-12-SL-071	0.343	0.035	0.051	0.353	0.036	0.051	0.359	0.037	0.052	0.494	0.039	0.031	0.494	0.039	0.069

Uranium-235 and Potassium-40						
Study ID	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WP-04-SL-061	0.087	0	0.199	0.659	0.217	0.324
WP-09-SL-057	-0.022	0	0.083	0.457	0.096	0.101
WP-11-SL-080	0.045	0	0.091	1.68	0.152	0.118
WP-12-SL-071	0.068	0	0.08	0.597	0.091	0.123

Table C-6. Drilling Fluids

Uranium Series												
Study ID	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WP-02-LQ-002	1,510	702	419	4,690	414	407	2,540	180	38	2,390	175	37
WP-06-LQ-001	-4	0	248	1,510	160	187	914	59	18	867	64	13
WP-06-LQ-003	1,170	398	249	2,010	228	242	689	90	22	658	63	20
WP-12-LQ-009	313	0	199	1,800	180	178	959	63	14	917	61	12
WP-14-LQ-026	1,230	0	326	4,940	410	298	2,590	177	24	2,380	291	22

Thorium Series															
Study ID	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WP-02-LQ-002	368	51	65	372	51	65	385	53	67	367	27	27	262	97	151
WP-06-LQ-001	160	18	21	162	18	21	168	19	21	24	3	10	-3	0	60
WP-06-LQ-003	213	36	41	216	36	41	223	37	48	207	223	13	109	51	79
WP-12-LQ-009	182	19	19	184	20	19	190	20	20	174	17	16	5	0	45
WP-14-LQ-026	457	46	41	466	47	41	479	48	42	888	68	34	281	40	60

	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
Study ID	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross ¹ Alpha Result (pCi/l)	Gross ¹ Alpha Error (pCi/l)	Gross ¹ Alpha MDC (pCi/l)	Gross ¹ Beta Result (pCi/l)	Gross ¹ Beta Error (pCi/l)	Gross ¹ Beta MDC (pCi/l)
WP-02-LQ-002	181	83	25	9,910	758	217	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
WP-06-LQ-001	-19	0	12	4,340	310	67	1,580	928	1,280	3,940	636	852
WP-06-LQ-003	77	41	15	5,220	396	101	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
WP-12-LQ-009	-72	0	11	420	51	53	3,820	618	507	1,250	285	411
WP-14-LQ-026	136	52	75	11,400	802	111	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A

#N/A - Gross Alpha and Gross Beta were not reported because the sample matrix was not suitable for analysis.

Table C-7. Fracturing Fluids

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WP-04-LQ-008	-6630	0	1,880	21,000	2,120	1,840	11,900	814	104	11,400	782	129
WP-05-LQ-013	70	0	265	872	159	220	432	33	18	424	35	21
WP-06-LQ-016	101	0	158	64	0	57	2	0	6	-1	0	6
WP-08-LQ-007	-990	0	165	3,080	243	192	1,780	113	15	1,670	126	13
WP-09-LQ-006	-47	0	128	2,000	158	118	510	33	9	458	35	8
WP-10-LQ-015	55	0	2,420	10,300	1,890	941	5,780	804	57	5,780	471	73
WP-11-LQ-023	-14	0	313	115	48	75	17	5	7	14	5.00	7
WP-14-LQ-046	8,630	653	114	2,270	407	139	1,220	136	14	1,130	137	10
WP-14-LQ-047	-511	0	216	2,160	226	244	1,120	130	18	1,150	23	17
WP-19-LQ-004	-508	0	585	16,200	1,540	614	8,990	570	46	8,810	601	29
WP-19-LQ-005	154	109	84.0	105	34	52	14	5	5	14	4	5

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WP-04-LQ-008	1,610	338	229	1,640	186	229	1,680	191	235	2,150	194	127	90	0	539
WP-05-LQ-013	78	22	33	78	23	33	81	24	34	88	14	18	-16	0	88
WP-06-LQ-016	1	0	9	1	0	9	3	0	9	7	0	5	7	0	19
WP-08-LQ-007	715	53	17	723	53	17	749	55	17	44	5	9	78	14	40
WP-09-LQ-006	437	32	18	442	32	18	505	34	1	30	4	8	52	12	23
WP-10-LQ-015	589	114	142	600	117	142	617	120	146	1,010	185	83	45	0	350
WP-11-LQ-023	14	8.00	12	14	8	12	14	8	13	6	3	4	11	0	29
WP-14-LQ-046	187	22	20	189	22	20	195	23	21	225	38	14	-7	0	41
WP-14-LQ-047	216	23	31	218	23	31	226	24	32	201	22	24	1	0	63
WP-19-LQ-004	1,240	84	85	1,250	85	53	1,300	88	55	28	7	22	99	33	109
WP-19-LQ-005	8	0	9	8	0	9	7	0	10	3	2	4	5	0	19

Table C-7. Fracturing Fluids (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WP-04-LQ-008	57	0	113	518	349	565	37,000	2,600	1,040	11,200	843	902
WP-05-LQ-013	-22	0	14	195	63	89	1,870	361	453	398	151	234
WP-06-LQ-016	11	0	19	19	14	21	-1.49	0.645	1.39	4.41	0.88	1.24
WP-08-LQ-007	-9	0	12	444	52	56	5,020	1,170	1,110	1,610	561	848
WP-09-LQ-006	10	0	10	338	35	31	3,400	976	1,030	685	546	879
WP-10-LQ-015	220	0	357	200	184	298	13,500	1,510	1,060	2,310	560	814
WP-11-LQ-023	-33	0	23	44	21	30	1.36	2.31	3.76	0.597	0.985	1.63
WP-14-LQ-046	18	0	49	456	48	50	5,760	788	579	1,200	299	436
WP-14-LQ-047	61	0	67	423	60	78	5,650	783	581	1,010	279	412
WP-19-LQ-004	-108	0	38	435	114	176	54,100	3,150	1,160	14,900	902	867
WP-19-LQ-005	12	10	4	25	12	18	92.9	78	113	118	115	186

Table C-8. Flowback Fluids

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WP-01-LQ-010	454	0	631	7,310	576	403	4,020	252	36	3,870	276	27
WP-04-LQ-014	608	0	1,700	25,500	3,270	713	15,300	1,340	56	15,300	1,340	44
WP-06-LQ-017	53	0	153	551	114	95	354	41	8	308	39	7
WP-08-LQ-012	540	0	361	4,280	391	398	2,600	163	32	2,380	176	27
WP-09-LQ-011	277	0	309	2,880	281	300	1,750	114	27	1,630	126	25
WP-10-LQ-045	63	0	367	8,690	1,010	257	5,010	474	20	4,930	523	11
WP-11-LQ-035	613	0	652	1,540	329	302	1,070	149	18	1,030	86	24
WP-12-LQ-022	173	0	565	4,550	623	535	2,720	250	41	2,750	352	35
WP-14-LQ-052	-1250	0	1,330	21,100	3,600	662	11,800	1,440	48	11,500	2,100	41

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WP-01-LQ-010	581	48	42	589	49	42	608	51	43	708	52	30	19.7	0	105
WP-04-LQ-014	1,700	160	56	1,740	164	56	1,780	168	57	2,790	342	79	181	45	118
WP-06-LQ-017	245	23	12	248	24	12	257	25	13	77	16	13	-14	0	28
WP-08-LQ-012	1,120	82	49	1,140	83	49	1,170	86	50	501	45	47	64	0	64
WP-09-LQ-011	852	71	41	863	72	41	892	74	42	336	35	42	70	50	80
WP-10-LQ-045	627	45	20	633	46	20	657	47	21	832	94	21	41	15	45
WP-11-LQ-035	558	71	42	564	72	42	584	74	43	226	43	23	48	0	107
WP-12-LQ-022	500	64	51	507	65	51	524	67	52	450	55	35	-34	0	136
WP-14-LQ-052	1,410	134	61	1,430	135	61	1,480	140	63	2,080	339	61	97	34	132

Table C-8. Flowback Fluids (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WP-01-LQ-010	-4	0	25	151	73	36	15,300	1,530	949	4,070	612	810
WP-04-LQ-014	-108	0	196	500	0	230	71,000	3,590	1,160	21,300	1,030	890
WP-06-LQ-017	3	0	28	416	40	31	338	383	576	742	292	449
WP-08-LQ-012	-20	0	25	500	87	114	7,270	1,380	1,340	1,820	556	832
WP-09-LQ-011	-62	0	19	448	78	97	10,700	1,480	1,030	4,380	669	895
WP-10-LQ-045	-10	0	72	2,630	50	71	11,100	1,480	1,390	1,960	571	853
WP-11-LQ-035	-25	0	95	927	103	95	2,250	1,260	1,920	1,320	609	958
WP-12-LQ-022	-32	0	33	143	0	177	10,100	1,250	1,360	2,440	369	508
WP-14-LQ-052	-31	0	181	461	123	190	32,000	2,510	1,680	5,400	699	911

Table C-9. Unfiltered Unconventional Produced Waters

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WP-01-LQ-048	2	0	224	2,050	364	145	1,150	143	14	150	143	11
WP-04-LQ-039	-2510	0	1,770	26,600	3,330	764	16,600	1,680	65	15,600	1,860	52
WP-08-LQ-021	600	0	846	5,020	952	665	2,910	360	56	2,850	523	48
WP-09-LQ-019	-621	0	1,100	4,490	792	305	2,600	324	25	2,500	350	15
WP-10-LQ-050	1,090	0	573	7,730	1,370	434	4,260	592	42	4,190	337	35
WP-10-LQ-055	572	0	1,050	6,710	873	402	1,890	194	50	3,520	424	26
WP-11-LQ-043	68	0	252	1,700	199	145	862	75	11	836	62	10
WP-12-LQ-041	314	0	1,340	14,500	1,670	561	8,850	798	40	8,750	1,110	35
WP-05-LQ-037	589	0	1,120	6,300	113	436	3,780	525	29	3,690	297	39

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WP-01-LQ-048	366	0	29	366	0	29	396	0	30	175	29	11	23	0	37
WP-04-LQ-039	1,880	159	68	1,900	161	68	1,970	167	71	2,980	367	71	139	45	141
WP-08-LQ-021	1,260	148	99	1,280	150	99	1,320	155	134	535	94	52	-118	0	191
WP-09-LQ-019	1,130	88	20	1,140	89	20	1,180	92	21	478	79	21	102	20	47
WP-10-LQ-050	428	63	62	434	64	62	448	66	64	738	130	34	-61	0	140
WP-10-LQ-055	462	43	35	470	44	35	483	45	36	24	9	13	-13	0	86
WP-11-LQ-043	630	45	11	636	46	11	660	47	12	182	21	12	54	13	29
WP-12-LQ-041	1,690	165	44	1,710	167	44	1,760	172	46	1,580	173	46	134	32	89
WP-05-LQ-037	932	109	48	941	110	48	975	114	50	662	118	37	66	34	102

Table C-9. Unfiltered Unconventional Produced Waters (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WP-01-LQ-048	6	0	42	132	31	45	3,890	514	479	115	168	225
WP-04-LQ-039	-248	0	235	328	146	234	30,000	2,600	1,860	7,600	750	898
WP-08-LQ-021	-34	0	41	592	131	177	11,300	1,920	2,040	3,270	629	882
WP-09-LQ-019	-63	0	100	571	66	72	9,760	1,840	2,040	2,570	608	881
WP-10-LQ-050	-64	0	138	191	109	175	14,000	1,160	579	3,620	366	436
WP-10-LQ-055	-47	0	122	149	69	108	41,700	2,820	1,690	4,560	275	272
WP-11-LQ-043	-21	0	41	852	69	40	2,420	673	843	1,500	304	432
WP-12-LQ-041	-84	0	157	408	110	168	21,800	2,130	1,480	6,810	750	923
WP-05-LQ-037	36	0	165	667	142	209	10,700	1,700	1,740	2,300	617	915

Table C-10. Unfiltered Conventional Produced Waters

Uranium Series												
Study ID	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WP-16-LQ-027	30	0	213	819	167	134	461	53	10	425	53	10
WP-19-LQ-029	130	0	323	76	51	81	16	5	6	18	5	7
WP-20-LQ-031	173	119	192	145	44	57	36	6	5	34	6	5
WP-21-LQ-033	56	0	111	340	59	68	164	17	6	168	19	5

	Thorium Series														
Study ID	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WP-16-LQ-027	884	75	11	896	76	11	926	79	12	150	26	12	77	22	33
WP-19-LQ-029	25	8	10	26	8	10	27	8	11	5	4	6	-11	0	27
WP-20-LQ-031	42	6	6	42	6	6	44	7	7	10	4	6	1	0	20
WP-21-LQ-033	212	17	9	214	17	9	222	18	9	44	7	6	33	12	18

	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
Study ID	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WP-16-LQ-027	-18	0	39	220	31	35	1,510	1,610	2,570	1,140	627	997
WP-19-LQ-029	24	0	24	103	25	26	-33.7	273	465	-8.86	239	402
WP-20-LQ-031	24	0	22	129	19	18	-1390	1,370	2,440	-659	567	987
WP-21-LQ-033	18	0	21	-11	0	31	257	772	1,230	-192	487	830

Table C-11. Filtered Unconventional Produced Waters

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WP-01-LQ-049	-81	0	147	1,930	236	119	1,080	103	10	1,080	115	8
WP-04-LQ-040	707	0	1,680	24,100	2,750	654	15,300	1,380	50	14,900	1,890	299
WP-08-LQ-020	175	0	863	4,940	615	763	2,990	349	64	2,980	73	58
WP-09-LQ-018	-77	0	388	4,470	418	396	2,690	311	33	2,640	38	29
WP-10-LQ-051	476	0	293	8,060	1,050	341	3,900	351	26	3,890	253	20
WP-10-LQ-054	699	0	937	7,130	940	370	716	91	39	3,800	248	161
WP-11-LQ-044	455	0	524	1,520	276	143	835	104	12	801	112	10
WP-12-LQ-042	-397	0	1,440	15,100	2,680	1,370	8,660	1,060	50	8,410	1,530	41
WP-05-LQ-038	-46	0	908	6,720	941	627	3,390	299	28	3,290	215	22

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WP-01-LQ-049	369	28	14	373	28	14	386	29	15	173	20	8	22	9	24
WP-04-LQ-040	1,840	180	55	1,860	182	55	1,830	189	57	2,680	293	57	152	39	115
WP-08-LQ-020	1,320	70	65	1,350	72	65	1,390	74	67	560	67	67	-9	0	221
WP-09-LQ-018	1,230	37	34	1,240	37	34	1,290	39	35	519	49	35	36	61	70
WP-10-LQ-051	460	51	41	466	52	41	482	54	42	699	88	32	34	19	52
WP-10-LQ-054	470	53	41	479	54	41	493	55	42	197	73	114	48	23	61
WP-11-LQ-044	596	48	16	602	49	16	624	51	17	177	30	16	54	0	37
WP-12-LQ-042	1,590	149	59	1,610	151	59	1,660	156	61	1,550	254	47	132	31	122
WP-05-LQ-038	875	85	28	883	885	28	916	89	29	612	78	29	54	23	62

Table C-11. Filtered Unconventional Produced Waters (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WP-01-LQ-049	8	0	36	129	27	38	2,750	554	706	933	186	269
WP-04-LQ-040	96	0	196	323	120	190	33,000	2,670	1,820	7,180	767	946
WP-08-LQ-020	-210	0	47	518	159	233	11,200	1,590	1,310	4,050	641	862
WP-09-LQ-018	-57	0	117	560	96	140	8,780	1,470	1,330	3,040	604	849
WP-10-LQ-051	-3	0	94	164	66	104	19,900	1,360	575	4,050	367	418
WP-10-LQ-054	-20	0	102	3,950	438	28	10,900	829	542	3,530	244	257
WP-11-LQ-044	-35	0	45	751	69	49	2,440	552	610	1,500	308	437
WP-12-LQ-042	-4	0	203	389	122	190	18,000	2,050	1,750	4,050	640	868
WP-05-LQ-038	-36	0	99	485	83	112	11,400	1,630	1,450	3,370	645	904

Table C-12. Filtered Conventional Produced Waters

Uranium Series												
Study ID	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WP-16-LQ-028	7	0	207	849	170	129	465	53	11	423	53	10
WP-19-LQ-030	-91	0	348	87	52	83	35	8	9	38	6	9
WP-20-LQ-032	136	110	178	106	55	84	33	6	5	35	6	4
WP-21-LQ-034	38	0	100	292	53	62	160	16	5	157	18	6

	Thorium Series														
Study ID	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WP-16-LQ-028	839	71	11	851	72	11	879	75	11	124	22	11	77	24	36
WP-19-LQ-030	43	9	12	44	10	12	45	10	12	9	4	7	10	0	30
WP-20-LQ-032	48	7	6	48	7	6	50	7	6	12	4	6	12	0	15
WP-21-LQ-034	207	16	6	210	16	6	217	17	6	43	7	6	21	12	19

	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
Study ID	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WP-16-LQ-028	-4	0	38	29	32	34	1,440	845	1,150	1,610	575	876
WP-19-LQ-030	9	0	27	71	23	28	31.2	364	608	41.4	251	420
WP-20-LQ-032	-2	0	16	129	19	17	-81.1	606	1,040	102	513	857
WP-21-LQ-034	-12	0	19	144	21	22	333	1,130	1,860	274	523	863

Table C-13. POTW-I Filter Cake

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WT-12-SL-030	1.29	0	4.44	6.37	0.815	1.01	3.87	0.283	0.097	3.85	0.296	0.109
WT-12-SL-048	-1.62	0	5.89	9.75	1.53	2.05	7.27	0.539	0.196	6.78	0.547	0.187
WT-12-SL-085	0.535	0	0.678	5.16	0.457	0.366	3.61	0.257	0.045	3.3	0.434	0.032
WT-13-SL-021	0.892	0	1.15	6.50	0.629	0.693	4.40	0.289	0.058	4	0.336	0.11
WT-13-SL-060	-6.74	0	12.2	21.3	2.52	0.399	12.8	0.853	0.286	11	0.826	0.221
WT-13-SL-065	-9.99	0	8.15	17.4	3.1	3.09	11.7	1.55	0.267	11	1.99	0.394
WT-14-SL-017	5.89	0	6.75	55.6	4.28	2.49	39.8	2.83	0.235	37.4	2.89	0.241
WT-14-SL-052	1.68	0	1.67	9.27	0.858	0.159	6.11	0.402	0.081	5.6	0.465	0.083
WT-14-SL-068	1.37	0	7.55	13.1	2.05	2.66	6.59	0.533	0.239	6.48	0.507	0.245
WT-15-SL-057	2.18	0	3.31	41.9	3	1.95	31.7	2.02	0.166	28.7	2.33	0.151
WT-16-SL-026	2.50	0	2.38	5.01	0.703	0.929	2.84	0.218	0.092	2.62	0.213	0.10
WT-16-SL-044	1.61	0	9.72	52.6	4.79	3.62	37.6	4.79	0.332	35.8	3.18	0.298
WT-16-SL-073	2.51	0.933	1.44	2.71	0.697	1.02	1.2	0.117	0.084	1.11	0.165	0.096
WT-17-SL-059	108	9.24	9.27	35.1	3.74	3.21	19.1	3.28	0.292	17.9	1.51	0.296

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
WT-12-SL-030	1.52	0.176	0.171	1.56	0.18	0.171	1.6	0.184	0.176	0.957	0.078	0.054	0.465	0.233	0.362
WT-12-SL-048	1.83	0.262	0.271	1.87	0.267	0.271	1.91	0.274	0.278	2.44	0.223	0.183	0.593	0.202	0.565
WT-12-SL-085	0.829	0.087	0.064	0.854	0.09	0.064	0.868	0.091	0.065	1.14	0.09	0.046	0.301	0.056	0.09
WT-13-SL-021	3	0.229	0.075	3.08	0.235	0.075	3.14	0.239	0.076	1.09	0.075	0.033	0.689	0.174	0.254
WT-13-SL-060	6.51	0.594	0.399	2.99	6.68	0.609	6.81	0.621	0.407	5.4	0.43	0.325	1.66	0.456	0.657
WT-13-SL-065	8.55	0.907	0.685	8.69	0.922	0.685	8.95	0.95	0.706	4.51	0.691	0.398	1.92	0.904	1.41
WT-14-SL-017	31.6	2.14	0.285	32	2.37	0.285	33.1	2.24	0.295	6.85	0.503	0.142	5.93	0.586	0.778
WT-14-SL-052	2.74	0.270	0.159	2.80	0.242	0.159	2.86	0.248	0.163	2.48	0.178	0.111	0.83	0.213	0.306

Table C-13. POTW-I Filter Cake (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 Error (pCi/g)
WT-14-SL-068	6.43	0.726	0.38	6.73	0.639	0.38	6.93	0.658	0.392	3.1	0.3	0.244	1.7	0.58	0.858
WT-15-SL-057	19.2	1.35	0.191	19.7	1.39	0.191	20.1	1.42	0.195	18.8	1.22	0.195	7.77	0.723	0.448
WT-16-SL-026	1.26	0.156	0.168	1.29	0.159	0.168	1.32	0.163	0.172	0.89	0.07	0.053	0.442	0	0.428
WT-16-SL-044	5.1	0.556	0.625	5.21	0.568	0.625	5.34	0.583	0.64	9.25	1.03	0.437	1.39	0.365	0.72
WT-16-SL-073	0.88	0.151	0.163	0.894	0.153	0.163	0.921	0.158	0.168	0.858	0.096	0.096	0.579	0.224	0.32
WT-17-SL-059	18.7	1.42	0.399	19.2	1.46	0.399	19.6	1.48	0.407	12.1	1.66	0.382	6.13	0.945	1.11

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WT-12-SL-030	-0.13	0	0.314	4.04	0.56	0.542
WT-12-SL-048	0.079	0	0.672	6.94	0.981	0.897
WT-12-SL-085	0.072	0	0.103	2.69	0.246	0.188
WT-13-SL-021	0.026	0	0.175	3.96	0.379	0.308
WT-13-SL-060	-0.861	0	1.05	9.38	1.08	0.951
WT-13-SL-065	-0.455	0	1.11	3.93	1.25	1.77
WT-14-SL-017	0.547	0	0.698	7.77	0.92	1.1
WT-14-SL-052	0.147	0	0.259	14.3	1.09	0.415
WT-14-SL-068	0.092	0	0.706	6.71	1.04	0.924
WT-15-SL-057	0.273	0.297	0.483	12.9	1.04	0.75
WT-16-SL-026	0.081	0	0.247	6.95	0.732	0.523
WT-16-SL-044	-0.144	0	0.934	7.78	1.31	1.69
WT-16-SL-073	0.111	0	0.275	0.822	0.859	0.446
WT-17-SL-059	-0.587	0	0.885	6.14	1.07	1.36

Table C-14. POTW-N Filter Cake

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WT-26-SL-094	3.09	0	2.19	3.97	0.553	0.68	1.3	0.109	0.06	1.23	0.101	0.06
WT-26-SL-095	3.01	1.63	2.63	3.61	0.597	0.734	1.38	0.135	0.073	1.25	0.152	0.09
WT-27-SL-096	1.01	1.21	1.99	2.33	0.664	0.794	1.1	0.249	0.108	0.958	0.132	0.101
WT-27-SL-097	4.51	1.29	1.94	5.76	0.822	0.777	1.11	0.116	0.071	1.03	0.141	0.071
WT-28-SL-098	1.89	0.673	1.07	7.36	0.664	0.553	4.66	0.332	0.055	4.21	0.554	0.049
WT-28-SL-099	3.84	0.392	0.556	3.78	0.467	0.502	1.97	0.156	0.063	1.91	0.185	0.058
WT-29-SL-100	8.83	0	12.5	35.4	3.4	3.79	32.6	2.39	0.335	33	5.17	0.345
WT-29-SL-101	13.3	0.829	2.39	15.6	1.37	1.11	11.5	0.791	0.087	10.8	1.33	0.095

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
WT-26-SL-094	1.29	0.137	0.116	1.31	0.14	0.116	1.34	0.143	0.119	1	0.092	0.066	0.533	0.184	0.279
WT-26-SL-095	1.43	0.164	0.141	1.46	0.167	0.141	1.5	0.172	0.144	0.939	0.108	0.091	0.472	0.205	0.315
WT-27-SL-096	0.8	0.236	0.104	0.817	0.241	0.104	0.838	0.247	0.106	0.627	0.136	0.07	0.297	0.183	0.286
WT-27-SL-097	1.1	0.162	0.147	1.12	0.165	0.147	1.15	0.169	0.151	0.779	0.102	0.087	0.487	0.215	0.328
WT-28-SL-098	1.8	0.167	0.065	1.84	0.17	0.065	1.88	0.175	0.066	2.01	0.155	0.07	0.719	0.107	0.145
WT-28-SL-099	1.04	0.118	0.1	1.07	0.12	0.1	1.09	0.123	0.102	1.45	0.126	0.068	0.551	0.158	0.232
WT-29-SL-100	7.11	0.52	0.71	7.26	0.531	0.701	7.45	0.545	0.72	6.46	0.503	0.387	1.82	0.428	0.986
WT-29-SL-101	3.22	0.273	0.129	3.28	0.279	0.129	3.37	0.286	0.132	2.75	0.214	0.113	0.67	0.13	0.282

Table C-14. POTW-N Filter Cake (Continued)

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WT-26-SL-094	0.043	0	0.196	5.47	0.545	0.328
WT-26-SL-095	0.232	0	0.289	5.41	0.578	0.364
WT-27-SL-096	-0.018	0	0.267	6.51	2.62	0.527
WT-27-SL-097	0.194	0.144	0.228	4.31	0.519	0.398
WT-28-SL-098	-0.005	0	0.158	6.57	0.527	0.271
WT-28-SL-099	0.099	0.101	0.163	6.55	0.56	0.31
WT-29-SL-100	-0.183	0	0.963	7.66	1.32	1.88
WT-29-SL-101	-0.118	0	0.31	7.34	0.667	0.494

Table C-15. POTW-I Sediment

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WT-14-SL-018	0.928	0.68	0.435	4.25	0.391	0.376	2.43	0.168	0.039	2.27	0.168	0.036
WT-14-SL-053	0.592	0.37	0.601	1.83	0.259	0.311	1.06	0.083	0.029	0.973	0.086	0.028
WT-14-SL-069	0.28	0	1.85	3.94	0.537	0.62	2.92	0.252	0.058	2.78	0.292	0.056
WT-15-SL-020	-2.09	0	2.25	16.6	1.24	0.7	12.8	0.83	0.053	11.6	0.872	0.046
WT-15-SL-056	-0.393	0	3.44	18.2	1.64	1.28	14.6	1.86	0.113	14.3	1.26	0.1
WT-15-SL-067	1.97	0	3.81	15.3	2.86	1.09	14	2.98	0.137	12.5	1.34	0.124
WT-17-SL-058	0.428	0	3.08	2.91	0.574	0.845	2.16	0.163	0.076	2.17	0.17	0.073

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
WT-14-SL-018	1.93	0.134	0.05	1.96	0.136	0.05	2.02	0.14	0.051	1.09	0.079	0.024	0.708	0.115	0.155
WT-14-SL-053	0.781	0.073	0.054	0.799	0.075	0.054	0.818	0.077	0.055	1.02	0.142	0.042	0.459	0.086	0.109
WT-14-SL-069	1.88	0.175	0.07	1.96	0.152	0.07	2.02	0.157	0.072	1.93	0.184	0.066	0.875	0.091	0.169
WT-15-SL-020	6.09	0.484	0.059	6.25	0.497	0.059	6.38	0.507	0.06	4.9	0.329	0.036	2.99	0.254	0.132
WT-15-SL-056	6.07	0.404	0.125	6.19	0.412	0.125	6.35	0.423	0.128	8.12	0.853	0.128	3.32	0.317	0.282
WT-15-SL-067	5.68	1.54	0.132	5.77	1.57	0.132	5.95	1.61	0.136	7.49	1.49	0.136	3.39	0.419	0.312
WT-17-SL-058	1.64	0.153	0.12	1.69	0.157	0.12	1.72	0.161	0.122	1.37	0.11	0.081	0.604	0.177	0.258

Table C-15. POTW-I Sediment (Continued)

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WT-14-SL-018	0.258	0.025	0.023	10.3	0.718	0.182
WT-14-SL-053	0.083	0	0.098	8.71	0.655	0.159
WT-14-SL-069	-0.013	0	0.219	5.53	0.456	0.247
WT-15-SL-020	-0.066	0	0.197	15.7	1.13	0.218
WT-15-SL-056	-0.03	0	0.342	13	0.985	0.517
WT-15-SL-067	-0.126	0	0.377	24.5	9.60	0.901
WT-17-SL-058	0.05	0	0.222	6.20	0.587	0.324

Table C-16. POTW-I Filtered Effluent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-12-LQ-098	-90	0	174	134	0	117	2	0	11	9	0	10
WT-12-LQ-159	552	0	220	53	0	127	8	6	9	3	0	13
WT-12-LQ-295	63	0	134	77	43	67	5	0	8	5	3	4
WT-13-LQ-054	-283	0	186	113	79	126	8	6	10	8	6	9
WT-13-LQ-193	21	0	146	101	0	79	7	0	9	5	0	8
WT-13-LQ-209	472	128	97	363	49	58	1	0	6	2	0	6
WT-14-LQ-044	246	0	213	28	0	130	8	7	10	10	0	15
WT-14-LQ-171	-185	0	82	87	45	71	7	4	6	6	4	6
WT-14-LQ-215	92	0	95	104	0	78	8	0	8	11	4	5
WT-15-LQ-052	277	0	193	191	0	139	10	0	14	11	0	14
WT-15-LQ-185	216	0	221	62	0	139	46	30	14	14	8	12
WT-15-LQ-223	120	0	237	120	32	36	21	5	5	19	4	5
WT-16-LQ-079	-51	0	88	101	33	50	5	0	6	5	3	4
WT-16-LQ-145	142	29	52	57	27	43	4	2	3	6	2	4
WT-16-LQ-241	344	119	182	335	59	54	3	0	6	1	0	5
WT-17-LQ-191	232	0	168	154	68	103	8	0	10	17	0	11
WT-17-LQ-217	130	0	90	116	42	62	8	0	7	9	4	5

Table C-16. POTW-I Filtered Effluent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-12-LQ-098	-7	0	18	-7	0	18	-3	0	18	9	0	10	-19	0	39
WT-12-LQ-159	22	0	25	22	0	25	23	0	26	11	0	12	8	0	51
WT-12-LQ-295	9	0	13	9	0	13	8	0	13	4	4	6	13	0	25
WT-13-LQ-054	13	0	22	13	0	22	11	0	23	11	6	9	-15	0	38
WT-13-LQ-193	9	0	16	9	0	16	14	0	16	6	0	7	-8	0	32
WT-13-LQ-209	5	0	10	5	0	10	15	0	10	6	0	5	8	0	20
WT-14-LQ-044	12	0	24	12	0	24	7	0	24	8	0	12	-25	0	47
WT-14-LQ-171	8	0	12	8	0	12	7	0	12	4	3	5	17	0	24
WT-14-LQ-215	10	0	13	10	0	13	6	0	13	6	0	6	20	0	24
WT-15-LQ-052	2	0	24	2	0	24	17	0	25	5	5	8	52	0	49
WT-15-LQ-185	14	0	25	14	0	25	22	0	26	8	5	8	32	0	54
WT-15-LQ-223	25	5	6	25	5	6	26	5	7	10	3	4	10	0	18
WT-16-LQ-079	7	5	8	7	5	8	7	5	7	5	3	5	24	0	22
WT-16-LQ-145	5	0	6	5	0	6	5	0	6	7	2	4	-1	0	13
WT-16-LQ-241	4	0	9	4	0	9	4	0	9	7	0	5	2	0	19
WT-17-LQ-191	1	0	18	1	0	18	7	0	18	7	0	9	-8	0	36
WT-17-LQ-217	12	5	8	12	5	8	10	0	12	5	3	4	-5	0	21

Table C-16. POTW-I Filtered Effluent (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-12-LQ-098	-9	0	8	27	0	66	-50.5	109	196	-194	226	392
WT-12-LQ-159	-37	0	8	81	39	45	0	3.43	5.77	10.6	2.79	4.08
WT-12-LQ-295	-9	0	21	42	21	29	195	95.2	128	365	128	194
WT-13-LQ-054	7	0	8	73	0	69	-11.9	16.9	29.6	-10.8	10.9	18.9
WT-13-LQ-193	9	0	5	46	23	32	0	68	114	17.5	118	198
WT-13-LQ-209	16	12	4	53	19	25	-33.7	68.7	123	-11	120	203
WT-14-LQ-044	-54	0	8	56	39	53	-2.06	15.2	25.8	20.4	10.4	163
WT-14-LQ-171	-10	0	5	60	18	20	-17.4	63.9	111	40.6	112	186
WT-14-LQ-215	-9	0	5	71	0	42	78.5	79.4	118	17.6	121	202
WT-15-LQ-052	-5	0	9	60	0	81	2.84	12.9	21.3	12.5	10.1	16.2
WT-15-LQ-185	18	0	8	49	0	98	4.07	3.71	5.67	8.70	1.95	2.79
WT-15-LQ-223	20	0	21	52	13	16	-49.3	90.4	161	-80	115	198
WT-16-LQ-079	-2	0	3	34	0	32	-0.266	1.31	2.26	5.77	0.858	1.14
WT-16-LQ-145	139	39	3	55	14	18	2.15	4.27	6.96	11.3	1.89	2.64
WT-16-LQ-241	15	11	17	21	0	32	4.64	1.85	2.21	10.7	1.63	2.18
WT-17-LQ-191	-12	0	7	34	0	48	4.74	72.6	121	21.5	112	187
WT-17-LQ-217	16	0	4	16	0	33	14.9	77.2	127	-22	120	203

Table C-17. POTW-I Unfiltered Effluent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-12-LQ-097	142	0	83	13	0	67	4	0	6	5	0	6
WT-12-LQ-160	70	84	87	94	38	58	11	4	6	8	3	5
WT-12-LQ-296	70	43	69	59	26	40	4	0	4	4	2	3
WT-13-LQ-053	120	0	83	113	41	64	6	0	8	4	3	5
WT-13-LQ-194	452	44	41	82	23	36	3	4	3	5	2	3
WT-13-LQ-210	-42	0	89	14	0	35	1	0	5	-1	0	3
WT-14-LQ-043	134	0	125	122	0	100	3	0	10	-1	0	9
WT-14-LQ-172	459	237	142	340	76	103	-1	0	11	3	0	10
WT-14-LQ-216	-30	0	210	106	0	128	4	0	14	9	6	9
WT-15-LQ-051	203	0	91	80	42	67	8	3	5	7	3	5
WT-15-LQ-186	8	0	80	135	34	50	1	0	5	6	0	5
WT-15-LQ-224	-48	0	82	53	49	79	16	4	5	18	5	6
WT-16-LQ-080	100	0	75	100	34	52	3	0	5	2	0	4
WT-16-LQ-146	62	0	98	63	42	67	8	0	8	5	3	5
WT-16-LQ-242	218	0	159	107	39	57	1	0	6	5	0	6
WT-17-LQ-192	289	0	120	100	42	65	14	7	7	10	4	6
WT-17-LQ-218	-35	0	185	156	70	107	43	9	10	37	8	9

Table C-17. POTW-I Unfiltered Effluent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-12-LQ-097	6	0	10	7	0	10	5	0	11	3.74	2.76	5	-92	0	21
WT-12-LQ-160	5	0	11	5	0	11	7	0	11	4	3	5	-7	0	19
WT-12-LQ-296	5	4	5	5	4	5	8	0	7	6	3	4	-2	0	13
WT-13-LQ-053	4	5	8	4	5	8	4	5	9	5	4	6	11	0	29
WT-13-LQ-194	6	3	5	6	3	5	7	4	5	5	2	3	38	0	11
WT-13-LQ-210	-3	0	7	-3	0	23	-1	0	5	1	0	4	1	0	9
WT-14-LQ-043	11	0	18	11	0	18	11	0	18	4	0	8	-12	0	35
WT-14-LQ-172	5	0	15	5	0	15	3	0	16	6	0	9	11	0	39
WT-14-LQ-216	23	0	27	23	0	27	6	0	28	8	0	11	25	0	47
WT-15-LQ-051	8	5	9	8	5	9	8	6	9	4	3	5	4	0	23
WT-15-LQ-186	7	0	9	7	0	9	8	0	9	4	2	4	1	0	18
WT-15-LQ-224	27	7	9	27	8	9	28	8	10	5	4	5	-9	0	25
WT-16-LQ-080	5	6	9	5	6	9	14	0	9	6	2	4	3	0	18
WT-16-LQ-146	-1	0	11	-1	0	11	2	0	11	7	0	6	-11	0	23
WT-16-LQ-242	1	0	9	1	0	9	-2	0	9	5	0	5	-1	0	20
WT-17-LQ-192	21	7	9	21	7	9	22	7	9	5	3	6	2	0	28
WT-17-LQ-218	35	11	13	35	11	13	36	11	14	5	5	8	33	0	41

Table C-17. POTW-I Unfiltered Effluent (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-12-LQ-097	-247	0	5	51.1	18.2	22.7	-193	146	284	-443	220	396
WT-12-LQ-160	15	0	4	41	17	23	9.63	6.29	9.28	10.9	2.88	4.23
WT-12-LQ-296	9	7	12	40	12	17	9.53	115	192	-92.4	120	207
WT-13-LQ-053	11	0	4	37	21	30	-5.21	21.4	36.5	-7.33	7.78	135
WT-13-LQ-194	-15	0	2	55	11	13	4.57	70	117	-21.4	110	187
WT-13-LQ-210	42	0	2	-1	0	11	-53.9	79.8	144	-90.3	112	194
WT-14-LQ-043	11	0	7	80	0	41	18.1	52.5	84.2	40.2	95.2	158
WT-14-LQ-172	20	0	6	11	0	58	321	302	464	51.3	131	218
WT-14-LQ-216	22	0	8	84	0	106	-13.9	79.5	136	-15.0	115	193
WT-15-LQ-051	-30	0	5	53	0	18	-4.70	105	177	37.6	98.2	163
WT-15-LQ-186	-2	0	3	20	0	27	11.0	5.13	7.61	9.6	2.16	3.15
WT-15-LQ-224	-3	0	5	64	20	24	34.9	143	235	-77.2	122	209
WT-16-LQ-080	17	0	4	33	12	16	1.96	2.1	3.13	7.16	1.48	2.1
WT-16-LQ-146	-7	0	4	33	0	41	1.85	1.52	2.16	7.71	1.49	2.08
WT-16-LQ-242	3	0	19	44	0	33	-0.098	1.48	2.51	10.5	1.59	2.13
WT-17-LQ-192	-19	0	4	82	0	51	1,110	251	256	337	129	197
WT-17-LQ-218	-36	0	7	31	19	23	-103	78.2	152	-92.6	114	197

Table C-18. POTW-N Filtered Effluent

Uranium Series												
Study ID	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-26-LQ-300	-65	0	294	45	46	74	7	5	7	7	4	6
WT-27-LQ-304	131	40	60	37	28	44	3	3	4	3	3	4
WT-28-LQ-308	152	0	194	14	0	23	5	0	3	2	0	4
WT-29-LQ-312	48	46	75	116	31	43	30	6	7	33	4	4

Thorium Series															
Study ID	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-26-LQ-300	15	0	14	15	0	14	13	0	14	6	3	5	5	0	28
WT-27-LQ-304	4	3	5	4	3	5	3	0	8	8	3	4	5	6	9
WT-28-LQ-308	5	3	5	5	3	5	5	0	7	1	0	2	2	0	14
WT-29-LQ-312	16	4	5	17	4	5	17	4	6	11	4	6	-6	0	14

	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
Study ID	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-26-LQ-300	-21	0	22	60	24	32	1.63	4.69	7.65	5.29	2.73	4.3
WT-27-LQ-304	17	0	14	42	11	14	1.32	6.49	10.8	5.72	3.06	4.86
WT-28-LQ-308	-4	0	15	53	12	14	-4.04	2.48	4.78	7.64	2	2.95
WT-29-LQ-312	-12	0	13	56	13	16	1.26	2.99	4.83	14.6	2.23	2.98

Table C-19. POTW-N Unfiltered Effluent

Uranium Series												
Study ID	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-26-LQ-299	364	102	149	328	56	48	1	0	5	1	0	5
WT-27-LQ-303	142	98	156	115	34	42	4	0	4	4	0	4
WT-28-LQ-307	108	0	108	78	39	60	8	0	8	10	4	5
WT-29-LQ-311	16.0	0	71	59	25	38	4	0	4	3	2	3

	Thorium Series														
Study ID	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-26-LQ-299	4	0	9	4	0	9	6	0	9	7	0	5	-5	0	18
WT-27-LQ-303	6	0	7	6	0	7	6	0	7	12	0	4	18	0	14
WT-28-LQ-307	9	0	14	9	0	14	12	0	15	9	0	6	1	0	27
WT-29-LQ-311	5	3	4	5	3	4	4	0	6	4	2	3	4	0	13

Uranium-235, Potassium-40, Gross Alpha and Gross Beta												
Study ID	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-26-LQ-299	16	19	30	33	0	34	-3.55	3.49	6.46	5.75	2.81	4.4
WT-27-LQ-303	-9	0	13	57	14	16	3.64	4.74	7.48	7.48	2.78	4.25
WT-28-LQ-307	-4	0	23	49	21	29	-3.86	2.73	5.18	7.15	1.94	2.87
WT-29-LQ-311	-13	0	11	66	13	14	-127	102	191	-175	118	209

Table C-20. POTW-I Filtered Influent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-12-LQ-096	45	46	50	66	27	43	6	0	5	5	2	4
WT-12-LQ-157	236	0	204	109	52	81	4	0	10	6	0	9
WT-12-LQ-293	45	0	71	100	32	42	10	3	7	6	3	4
WT-13-LQ-056	-60	0	240	122	96	154	6	0	15	12	0	16
WT-13-LQ-195	160	0	168	115	37	56	3	0	12	1	0	11
WT-13-LQ-211	37	45	74	58	26	39	5	0	4	4	2	3
WT-14-LQ-042	264	0	235	260	0	246	3	0	27	17	11	16
WT-14-LQ-169	-7	0	137	72	0	77	5	0	8	6	3	5
WT-14-LQ-213	48	34	55	82	32	45	9	3	4	10	3	3
WT-15-LQ-050	666	307	251	498	119	162	-2	0	17	-8	0	14
WT-15-LQ-183	-59	0	289	245	0	236	125	19	22	136	21	21
WT-15-LQ-225	167	0	221	255	60	81	71	9	6	73	11	7
WT-16-LQ-077	232	0	98	73	52	84	8	0	11	2	0	10
WT-16-LQ-143	2,170	0	2,890	5,910	1,790	2,690	607	202	303	602	0	386
WT-16-LQ-243	90	43	68	66	22	33	4	0	4	3	0	4
WT-17-LQ-189	192	0	171	114	77	121	11	3	6	11	6	8
WT-17-LQ-219	-155	0	285	28	0	74	15	5	7	12	5	7

Table C-20. POTW-I Filtered Influent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-12-LQ-096	8	5	7	8	5	7	8	5	7	5	3	4	8	0	15
WT-12-LQ-157	-6	0	14	-6	0	14	-6	0	15	8	4	6	10	0	31
WT-12-LQ-293	8	3	5	8	3	5	6	0	7	4	2	3	9	0	14
WT-13-LQ-056	8	0	29	8	0	29	11	0	3	16	7	11	36	0	57
WT-13-LQ-195	12	0	20	12	0	20	7	0	20	6	3	4	-15	0	36
WT-13-LQ-211	5	4	5	6	4	5	7	0	7	5	2	3	-5	0	13
WT-14-LQ-042	8	0	48	8	0	48	120	123	50	30	0	20	27	0	99
WT-14-LQ-169	3	0	12	3	0	12	7	0	12	8	0	7	12	0	24
WT-14-LQ-213	10	3	5	10	4	5	10	4	5	8	4	5	17	0	14
WT-15-LQ-050	11	0	28	11	0	28	2	0	29	-4	0	12	18	0	57
WT-15-LQ-183	101	27	36	103	28	36	105	29	36	26	0	20	22	0	89
WT-15-LQ-225	90	13	10	91	13	10	94	13	10	22	6	8	19	0	24
WT-16-LQ-077	9	11	17	9	11	17	9	11	17	11	4	7	13	0	44
WT-16-LQ-143	878	0	768	878	0	768	-20	0	790	472	119	168	582	0	1,470
WT-16-LQ-243	5	3	4	5	3	4	3	0	6	4	2	3	13	0	13
WT-17-LQ-189	12	4	6	23	10	13	23	19	14	6	3	5	21	0	42
WT-17-LQ-219	20	7	10	20	7	10	21	8	11	5	4	6	-2	0	27

Table C-20. POTW-I Filtered Influent (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-12-LQ-096	-4	0	3	49	14	19	-182	146	5.64	-325	224	7.91
WT-12-LQ-157	29	0	5	32	18	24	-1.44	7.79	13.2	4.22	3.11	5.01
WT-12-LQ-293	11	0	13	63	13	15	-255	158	290	-134	133	230
WT-13-LQ-056	-13	0	10	137	52	100	-8.90	122	207	-57.5	232	394
WT-13-LQ-195	29	0	4	54	0	68	4.88	109	183	31.6	121	201
WT-13-LQ-211	-16	0	82	53	12	13	-0.328	7.84	13.2	7.28	5.29	8.48
WT-14-LQ-042	19	0	15	48	0	171	-1.71	9.8	16.8	9.72	9.54	15.5
WT-14-LQ-169	-16	0	5	31	0	41	489	120	122	178	124	199
WT-14-LQ-213	-14	0	3	63	13	16	-73.5	188	323	-19.7	136	230
WT-15-LQ-050	-5	0	10	25	0	82	7.38	10.9	17.3	3.4	9.67	16.1
WT-15-LQ-183	-31	0	15	132	0	141	11	5.13	7.61	9.6	2.16	3.15
WT-15-LQ-225	-7	0	23	31	16	23	490	180	222	187	129	207
WT-16-LQ-077	21	0	6	119	0	75	0.894	1.66	2.63	6.24	1.44	2.08
WT-16-LQ-143	220	0	163	44	19	25	11,400	2,840	3,030	11,300	1,540	1,980
WT-16-LQ-243	-15	0	11	43	12	16	-0.9	1.87	3.31	6.75	1.85	2.73
WT-17-LQ-189	-6	0	8	33	16	22	-4.57	68.8	117	26.3	119	198
WT-17-LQ-219	-12	0	23	49	21	27	110	103	154	30.4	118	196

Table C-21. POTW-I Unfiltered Influent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-12-LQ-095	185	0	159	71	69	113	-2	0	10	-3	0	9
WT-12-LQ-158	44	0	85	90	0	78	4	4	7	9	0	9
WT-12-LQ-294	522	115	84	345	61	58	2	0	6	2	0	6
WT-13-LQ-055	145	159	116	91	45	71	2	0	10	-1	0	9
WT-13-LQ-196	114	0	97	95	0	78	3	0	9	1	0	8
WT-13-LQ-212	152	107	81	96	38	59	2	0	5	5	0	5
WT-14-LQ-041	264	0	235	259	0	245	3	0	27	17	11	16
WT-14-LQ-170	-4	0	117	57	20	42	3	4	6	5	3	5
WT-14-LQ-214	86.0	92	100	120	34	51	11	0	7	9	4	6
WT-15-LQ-049	281	0	127	58	46	73	4	4	6	-1	0	9
WT-15-LQ-184	451	0	222	514	101	133	56	11	13	60	12	14
WT-15-LQ-226	272	0	694	479	153	235	191	20	19	179	22	20
WT-16-LQ-078	447	126	94	343	47	55	1	0	6	4	0	5
WT-16-LQ-144	130	0	80	106	0	49	6	3	5	6	0	4
WT-16-LQ-244	67	71	115	131	70	106	23	5	8	26	6	7
WT-17-LQ-190	-922	0	53	100	29	45	14	4	4	14	3	4
WT-17-LQ-220	417	0	168	178	59	87	16	6	8	21	5	6

Table C-21. POTW-I Unfiltered Influent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-12-LQ-095	14	0	19	14	0	19	7	0	19	8	0	8	-3	0	35
WT-12-LQ-158	7	0	15	7	0	15	11	0	16	5	4	7	-15	0	32
WT-12-LQ-294	7	4	7	7	4	7	1	0	10	4	3	5	-4	0	19
WT-13-LQ-055	5	0	16	5	0	16	3	0	17	4	0	9	4	0	37
WT-13-LQ-196	14	0	15	14	0	15	16	0	15	7	0	7	9	0	32
WT-13-LQ-212	4	0	9	4	0	9	4	0	9	6	0	5	14	0	18
WT-14-LQ-041	7	0	48	7	0	48	120	123	49	3	0	20	28	0	99
WT-14-LQ-170	20	13	13	20	13	13	21	13	13	6	3	4	11	0	28
WT-14-LQ-214	15	13	8	9	5	8	9	6	8	3	3	5	9	0	22
WT-15-LQ-049	4	0	15	4	0	15	79	67	16	2	0	9	-6	0	36
WT-15-LQ-184	46	14	17	48	15	17	48	15	18	21	10	16	-3	0	47
WT-15-LQ-226	225	31	31	227	32	31	236	33	32	42	13	19	8	0	78
WT-16-LQ-078	3	0	9	3	0	9	1	0	9	4	3	5	17	0	19
WT-16-LQ-144	7	6	9	7	6	9	10	0	9	5	2	3	-17	0	17
WT-16-LQ-244	39	12	16	41	12	16	41	12	16	7	4	5	12	13	21
WT-17-LQ-190	14	4	6	14	4	6	15	5	6	5	2	4	6	0	14
WT-17-LQ-220	20	7	10	20	7	10	21	8	10	10	0	9	9	0	34

Table C-21. POTW-I Unfiltered Influent (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-12-LQ-095	-21	0	7	21	0	59	-190	104	220	-316	222	392
WT-12-LQ-158	4	0	5	33	0	54	6.28	4.12	5.72	10.1	2.89	4.29
WT-12-LQ-294	18	11	4	18	14	21	-30.3	61.7	110	21.9	120	201
WT-13-LQ-055	13	0	5	69	27	29	4.33	9.15	14.4	76.4	9.38	11.8
WT-13-LQ-196	10	0	5	72	0	56	-109	164	287	-91.3	130	224
WT-13-LQ-212	-32	0	4	54	15	18	4.3	8.28	13.4	14.5	5.5	8.43
WT-14-LQ-041	19	0	15	48	0	171	3.18	9.24	14.8	17.2	10.3	16.4
WT-14-LQ-170	3	0	3	65	23	30	23.2	73.2	118	167	124	199
WT-14-LQ-214	29	0	4	47	17	22	-32.2	177	301	-10.9	135	227
WT-15-LQ-049	25	0	5	-2	0	50	-0.941	2.46	4.32	4.89	1.75	2.65
WT-15-LQ-184	16	0	9	-16	0	67	240	124	160	134	121	196
WT-15-LQ-226	50	0	15	65	0	102	1,190	556	788	493	271	428
WT-16-LQ-078	30	12	4	1	0	5	0.556	1.18	1.85	7.5	0.941	1.19
WT-16-LQ-144	-1	0	3	30	11	15	1.98	2.49	3.91	9.94	1.56	2.08
WT-16-LQ-244	30	0	33	65	28	39	-0.266	4.43	7.48	9.64	2.18	3.2
WT-17-LQ-190	-4	0	3	56	13	16	14.1	73.3	120	108	123	200
WT-17-LQ-220	2	0	6	45	22	30	53.8	80.8	125	-6.61	120	203

Table C-22. POTW-N Filtered Influent

Uranium Series												
Study ID	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-26-LQ-298	-20	0	163	134	35	48	5	0	6	6	3	4
WT-27-LQ-302	-13	0	71	64	22	32	2	0	4	4	2	3
WT-28-LQ-306	203	0	301	84	38	59	8	0	8	7	0	8
WT-29-LQ-310	113	28	43	58	24	36	4	2	3	4	2	3

	Thorium Series														
Study ID	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-26-LQ-298	10	5	8	10	5	8	11	0	10	8	3	19	7	0	18
WT-27-LQ-302	5	3	5	5	3	5	5	0	7	5	2	3	-4	0	13
WT-28-LQ-306	8	0	14	8	0	14	17	0	14	7	0	6	5	0	27
WT-29-LQ-310	3	3	4	3	3	4	7	0	6	5	2	3	7	0	11

	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
Study ID	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-26-LQ-298	1	0	17	30	12	16	13	5.11	6.97	6.62	2.84	4.41
WT-27-LQ-302	10	8	12	38	12	15	15.2	5.08	6.48	11.6	3	4.41
WT-28-LQ-306	6	0	22	62	24	33	4.57	3.01	4.39	12.4	2.14	2.94
WT-29-LQ-310	9	6	10	52	11	13	-2.95	2.88	5.29	8.38	1.98	2.88

Table C-23. POTW-N Unfiltered Influent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-26-LQ-297	99	93	151	113	39	57	1	0	6	-1	0	6
WT-27-LQ-301	42	43	70	92	30	44	41	5	4	39	4	4
WT-28-LQ-305	165	46	131	91	32	43	1	0	6	1	0	6
WT-29-LQ-309	100	0	161	114	33	46	-1	0	5	3	0	5

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-26-LQ-297	10	0	10	10	0	10	9	0	11	4	0	5	6	0	21
WT-27-LQ-301	32	5	6	32	5	6	33	5	6	17	4	6	11	0	15
WT-28-LQ-305	4	0	10	4	0	10	6	0	10	7	0	5	1	0	22
WT-29-LQ-309	4	0	9	4	0	9	6	0	9	7	0	5	4	0	17

	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
Study ID	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-26-LQ-297	14	0	19	32	0	33	64.5	108	173	-28.6	122	207
WT-27-LQ-301	-1	0	14	44	13	17	9.84	115	192	-110	121	209
WT-28-LQ-305	1	0	21	43	16	21	-157	85.8	169	-143	118	207
WT-29-LQ-309	-10	0	16	28	0	29	-0.488	2.46	4.21	8.63	2.02	2.93

Table C-24. CWT Solids, Filter Cake

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WT-01-SL-009	-1.05	0	1.09	208	14.7	2.17	162	11.4	0.264	152	11.7	0.195
WT-01-SL-037	-4.60	0	5.11	261	17.9	3.26	195	12.8	0.372	178	14.5	0.253
WT-01-SL-084	-5.96	0	5.91	297	21.7	3.25	227	15.8	0.419	206	27	0.275
WT-01-SL-091	-8.01	0	9.46	305	31.9	2.72	257	22.1	0.551	262	30.9	0.242
WT-01-SL-090	-35.9	0	8.99	256	23.4	2.75	215	18.1	0.346	190	19.5	0.230
WT-02-SL-006	-12.7	0	2.50	120	8.26	1.81	110	7.39	0.269	107	7.33	0.175
WT-02-SL-036	-4.23	0	5.03	118	8.68	3.66	96.2	6.81	0.325	91	7	0.235
WT-02-SL-081	2.10	0	2.92	164	132	1.35	135	9.80	0.161	127	11.5	0.121
WT-03-SL-012	3.53	0	1.25	56.6	4	1.02	48.7	3.27	0.129	45.2	3.26	0.073
WT-04-SL-013	-21.1	0	2.91	59.9	4.24	2.04	46.3	3	0.223	41.8	3.14	0.351
WT-04-SL-050	-1.93	0	2.42	35.1	2.67	1.75	26.3	1.73	0.152	24	1.97	0.156
WT-04-SL-062	-4.52	0	4.52	70.1	5.72	1.81	58.1	4.22	0.23	61.2	4.87	0.179
WT-04-SL-063	-16	0	31.2	165	12.3	9.37	146	10.6	1.42	162	25.3	1.55
WT-05-SL-022	-8.32	0	2.30	82.1	7.07	1.21	68.8	11.7	0.157	61.9	5.10	0.116
WT-05-SL-061	1.92	2.06	1.03	10.1	1.08	1.25	7.76	0.525	0.097	7.09	0.594	0.094
WT-05-SL-064	-22.1	0	15.3	104	9.17	2.97	76.4	6.13	0.393	67.7	6.7	0.333
WT-08-SL-027	-2.47	0	3.77	67.5	4.88	0.146	53.1	3.76	0.133	49.8	3.83	0.126
WT-08-SL-047	1.98	0	1.75	35.7	2.65	1.81	24.2	1.68	0.17	23.2	1.66	0.157
WT-08-SL-072	-7.84	0	7.89	52.1	4.83	2.51	42.4	3.40	0.225	37.7	3.74	0.171
WT-08-SL-088	0.973	0	1.18	41.1	3.03	0.907	31.7	2.15	0.077	28.7	3.50	0.069
WT-08-SL-089	-2.14	0	3.38	15.7	1.23	1	12	0.878	0.092	12.1	1.89	0.087
WT-09-SL-019	7.01	0	4.31	174	11.4	2.17	135	9.51	0.289	125	8.85	0.214
WT-09-SL-054	0.248	0	32.8	269	19.4	9.41	188	12.6	0.832	180	12.4	0.563
WT-09-SL-066	-20.7	0	20.5	294	31	5.61	211	18.2	0.766	198	23.3	0.514
WT-10-SL-029	-1.43	0	0.417	3.88	0.495	0.524	2.68	0.462	0.046	2.47	0.213	0.048
WT-10-SL-049	-0.382	0	2.89	5.97	0.821	1.02	4.34	0.332	0.103	4.05	0.338	0.086
WT-06-SL-045	0.179	0	1.19	24.7	1.84	1.07	19.8	1.30	0.084	18.3	1.50	0.072

Table C-24. CWT Solids, Filter Cake (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
WT-01-SL-009	105	6.99	0.338	106	7.07	0.338	110	7.32	0.35	8.50	0.619	0.164	10.3	0.907	0.811
WT-01-SL-037	136	11	0.436	137	11.1	0.436	142	11.5	0.45	8.63	0.597	0.22	12	1.22	1.08
WT-01-SL-084	156	13.3	0.489	158	13.5	0.489	163	13.9	0.504	53.6	3.84	0.504	15.2	1.60	1.16
WT-01-SL-091	149	14.2	0.450	154	14.6	0.450	156	14.8	0.456	69.4	7.20	0.439	21.7	1.86	1.06
WT-01-SL-090	128	9.10	0.448	132	9.39	0.446	134	9.52	0.454	20.6	1.90	0.322	18.8	1.28	1.09
WT-02-SL-006	74.1	4.56	2.50	75	4.61	2.50	77.6	4.77	0.315	20.6	1.39	0.141	16.4	1.18	0.762
WT-02-SL-036	65.1	4.35	0.394	66	4.42	0.394	68.1	4.56	0.406	25.1	1.82	0.208	18.1	1.58	1.01
WT-02-SL-081	93.5	7.42	0.22	97.2	7.71	0.22	97.9	7.76	0.222	65.7	5.18	0.187	28	2.28	0.493
WT-03-SL-012	13.4	0.878	0.143	13.5	0.887	0.143	14	0.919	0.148	12.8	0.904	0.071	8.47	0.633	0.327
WT-04-SL-013	56.8	4.50	0.259	57.3	4.54	0.259	59.5	4.71	0.269	7.06	0.479	0.146	7.36	0.666	0.679
WT-04-SL-050	35.2	2.86	0.189	36	2.93	0.189	36.8	3	0.193	8.40	0.589	0.178	38.7	0.43	0.51
WT-04-SL-062	58.4	4.65	0.321	59.4	4.73	0.321	61.2	4.87	0.330	17.8	1.42	0.312	7.42	0.67	0.828
WT-04-SL-063	90.2	9.47	3	91.7	2.51	3	94.5	2.58	3.10	76.7	5.13	1.30	27.3	2.09	2.94
WT-05-SL-022	48.5	3.48	0.226	49.8	3.57	0.226	50.8	3.64	0.23	8.90	1.21	0.09	10.1	0.904	0.533
WT-05-SL-061	4.90	0.427	0.117	5.03	0.438	0.117	5.13	0.447	0.119	2.60	0.198	0.115	0.919	0.166	0.307
WT-05-SL-064	51.5	3.76	0.399	52.4	3.83	0.399	53.9	3.94	0.411	26.9	2.30	0.411	9.03	0.807	0.936
WT-08-SL-027	6.33	0.434	0.180	6.46	0.484	0.18	6.62	0.455	0.185	3.37	0.247	0.084	2.27	0.231	0.34
WT-08-SL-047	3.51	0.261	0.22	3.59	0.266	0.22	3.61	0.418	0.226	6.36	0.446	0.184	1.17	0.19	0.457
WT-08-SL-072	4.38	0.346	0.205	4.46	0.352	0.205	4.59	0.363	0.211	9.74	0.851	0.211	1.52	0.21	0.428
WT-08-SL-088	3.37	0.268	0.097	3.45	0.274	0.097	3.46	0.251	0.099	6.57	0.473	0.084	0.813	0.108	0.198
WT-08-SL-089	2.38	0.135	0.184	2.44	0.138	0.184	2.50	0.141	0.188	3.32	0.232	0.102	0.932	0.124	0.268
WT-09-SL-019	107	6.65	0.38	108	6.73	0.38	112	6.96	0.393	20.7	1.38	0.158	18.1	1.37	1.02
WT-09-SL-054	160	9.91	1.03	164	10.1	1.03	168	10.4	1.05	49.4	3.39	0.862	18.6	1.73	2.48
WT-09-SL-066	175	16.6	0.873	177	16.9	0.873	183	17.4	0.899	72.7	0.766	0.90	28.8	2.64	2.22
WT-10-SL-029	0.356	0.064	0.082	0.363	0.065	0.082	0.372	0.067	0.084	0.205	0.032	0.027	0.064	0.073	0.118
WT-10-SL-049	0.673	0.125	0.157	0.687	0.128	0.157	0.704	0.131	0.161	1.23	0.117	0.10	-0.049	0	0.374
WT-06-SL-045	2.68	0.23	0.10	2.74	0.235	0.10	2.81	0.241	0.103	4.84	0.338	0.094	0.976	0.129	0.203

Table C-24. CWT Solids, Filter Cake (Continued)

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WT-01-SL-009	0.509	0	0.132	-0.545	0	1.33
WT-01-SL-037	1.41	0	0.199	-0.931	0	2.01
WT-01-SL-084	0.828	0.81	1.31	-1.11	0	2
WT-01-SL-091	0.811	0.684	1.10	13.1	1.72	2.37
WT-01-SL-090	2.64	0.506	0.871	12	1.23	1.49
WT-02-SL-006	0.595	0	0.11	15.7	1.36	1.29
WT-02-SL-036	0.571	0	0.223	12.8	1.30	1.47
WT-02-SL-081	0.707	0.342	0.525	13	0.997	0.793
WT-03-SL-012	0.442	0	0.062	10.7	0.79	0.517
WT-04-SL-013	0.352	0	0.124	7.65	0	1.13
WT-04-SL-050	0.503	0	0.107	5.04	0.577	0.664
WT-04-SL-062	0.719	0.465	0.735	5.22	0.846	1.21
WT-04-SL-063	0.889	0	2.56	8.74	2.90	4.71
WT-05-SL-022	-0.124	0	0.074	9.91	0.871	0.798
WT-05-SL-061	0.117	0	0.076	6.06	0.593	0.443
WT-05-SL-064	0.676	0	1.37	9.13	1.21	1.58
WT-08-SL-027	-0.219	0	0.089	7.47	0.652	0.61
WT-08-SL-047	2.17	0.176	0.11	10.5	1.04	0.936
WT-08-SL-072	0.157	0	0.74	4.13	0.611	0.821
WT-08-SL-088	-0.227	0	0.228	-0.962	0	0.553
WT-08-SL-089	0.012	0	0.257	17.4	0.642	0.486
WT-09-SL-019	0.778	0	0.132	9.05	1.12	1.45
WT-09-SL-054	-0.197	0	0.572	13.7	2.69	3.95
WT-09-SL-066	1.13	1.39	0.341	16.1	2.55	3.57
WT-10-SL-029	-0.021	0	0.032	0.969	0.214	0.285
WT-10-SL-049	0.362	0.052	0.063	2.89	0.47	0.496
WT-06-SL-045	1.50	0.491	0.065	11.1	0.833	0.399

Table C-25. CWT Solids, Sediment

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WT-01-SL-010	-0.709	0	4.05	105	6.97	0.218	92.2	6.35	0.166	84	1.92	0.11
WT-01-SL-038	-3.63	0	7.31	37.2	3.63	1.29	31.3	2.10	0.177	31	2.14	0.162
WT-01-SL-083	0.198	0	6.54	76.8	6.14	2.70	68.8	4.88	0.211	65.1	4.24	0.193
WT-02-SL-007	1.09	0	1.28	5.86	0.657	0.608	4.46	0.753	0.059	4.14	0.289	0.062
WT-02-SL-035	1.04	0.55	0.89	3.60	0.345	0.302	2.32	0.297	0.029	2.27	0.202	0.028
WT-02-SL-082	1.73	0	1.93	2.50	0.445	0.576	1.11	0.107	0.058	1.08	0.124	0.05
WT-03-SL-011	1.05	0.736	1.20	4.72	0.441	0.364	2.88	0.368	0.035	2.78	0.247	0.032
WT-04-SL-014	-0.286	0	2.41	101	8.70	1.53	80.2	13.7	12.9	73.6	6.05	0.085
WT-04-SL-051	-21.6	0	15.3	421	38.5	8.80	373	62.5	1.03	370	25.3	1.11

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 MDC (pCi/g)
WT-01-SL-010	29.4	1.84	0.218	29.7	1.86	0.218	20.8	1.92	0.225	21.9	1.46	0.10	14.5	1.07	0.487
WT-01-SL-038	12.2	0.777	0.196	12.4	0.787	0.195	12.8	0.813	0.201	5.51	0.377	0.093	3.83	0.346	0.46
WT-01-SL-083	19.7	1.39	0.254	20	1.41	0.254	20.7	1.45	0.262	29.1	2.22	0.247	10.4	7.26	0.535
WT-02-SL-007	2.56	0.183	0.106	2.59	0.185	0.106	2.68	0.192	0.11	1.14	0.155	0.026	0.803	0.164	0.245
WT-02-SL-035	1.34	0.094	0.036	1.37	0.096	0.036	1.41	0.099	0.037	0.742	0.079	0.018	0.527	0.064	0.082
WT-02-SL-082	0.962	0.12	0.122	0.978	0.122	0.122	1.01	0.125	0.125	1.24	0.123	0.057	0.687	0.184	0.268
WT-03-SL-011	1.53	0.107	0.044	1.54	0.108	0.044	1.60	0.112	0.045	1.17	0.123	0.022	0.795	0.113	0.134
WT-04-SL-014	22.4	1.60	0.159	22.7	1.63	0.159	23.4	1.68	0.165	22.7	3.08	0.076	14.3	1.26	0.341
WT-04-SL-051	85	5.40	1.51	86.9	5.52	1.51	89.0	5.65	1.54	154	20.7	0.998	48.4	3.39	3.16

Table C-25. CWT Solids, Sediment (Continued)

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WT-01-SL-010	0.089	0	0.477	8.44	0.804	0.831
WT-01-SL-038	0.164	0	0.585	7.17	0.757	0.837
WT-01-SL-083	-0.208	0	0.705	8.31	0.881	0.99
WT-02-SL-007	0.052	0	0.169	4.55	0.392	0.315
WT-02-SL-035	0.014	0	0.089	4.67	0.348	0.125
WT-02-SL-082	0.227	0.106	0.159	9.26	0.77	0.274
WT-03-SL-011	0.175	0	0.102	6.34	0.468	0.167
WT-04-SL-014	0.209	0	0.391	10.1	0.816	0.633
WT-04-SL-051	-4.61	0	2.39	10	2.93	4.65

Table C-26. CWT Solids, Biased Soil

Uranium Series												
Study ID	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WT-01-SL-008	-1.08	0	2.46	117	1.61	1.53	96.2	6.11	0.131	90.2	7.26	0.075
WT-02-SL-034	-1.59	0	3.14	13.3	1.21	1.25	9.35	0.656	0.115	8.71	0.632	0.117
WT-04-SL-015	-5.40	0	3.37	444	0	3.41	371	0	0.694	256	20.9	0.155

Thorium Series															
Study ID	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 Error (pCi/g)
WT-01-SL-008	30.2	2.10	0.142	30.6	2.13	0.142	31.6	2.20	0.146	30.4	1.94	0.079	19.2	1.66	0.301
WT-02-SL-034	4.2	0.314	0.195	4.26	0.319	0.195	4.40	0.329	0.20	3.570	0.244	0.074	1.93	0.35	0.491
WT-04-SL-015	82.1	6.64	3.14	83.1	6.72	0.314	-0.075	0	0.688	147	0	0.384	50.3	4.69	0.702

Uranium-235 and Potassium-40						
Study ID	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WT-01-SL-008	1.83	0	0.397	17	1.19	0.595
WT-02-SL-034	0.072	0	0.331	5.06	0.591	0.613
WT-04-SL-015	-2.96	0	0.774	10.5	1.02	1.16

Table C-27. CWT Filtered Effluent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-01-LQ-023	208	0	161	110	67	106	9	0	10	13	0	11
WT-01-LQ-115	51	0	287	158	106	169	605	13.0	16	62	13	15
WT-01-LQ-281	375	196	303	287	87	116	4	0	11	-2	0	9
WT-02-LQ-021	122	0	91	113	47	74	-1	0	8	4	0	8
WT-02-LQ-111	135	0	323	86	48	75	3	0	10	-0.1	0	9
WT-02-LQ-279	12	0	73	55	27	42	2	0	4	3	2	3
WT-03-LQ-029	66	0	43	23	0	36	4	0	3	2	0	3
WT-03-LQ-121	-26	0	78	91	42	65	2	0	7	2	0	6
WT-03-LQ-287	206	105	96	86	47	71	7	0	10	3	3	5
WT-04-LQ-031	-1320	0	54	76	24	37	21	3	4	17	3	3
WT-04-LQ-165	-1960	0	127	104	60	95	45	8	9	41	7	7
WT-04-LQ-201	114	0	63	320	50	68	200	14	5	171	14	5
WT-05-LQ-058	201	0	154	215	68	103	87	10	10	85	9	9
WT-05-LQ-197	9,090	742	277	150	61	94	60	8	8	9	4	5
WT-05-LQ-207	-343	0	153	181	63	97	79	10	11	82	10	9
WT-07-LQ-015	-821	0	740	5,510	631	747	3,180	22	55	3,120	219	48
WT-07-LQ-109	1,100	0	393	1,630	238	323	947	64	24	908	69	21
WT-07-LQ-273	194	0	516	8,810	1,560	364	5,460	606	25	5,010	606	23
WT-08-LQ-081	198	105	69	84	311	48	2	0	7	5.00	0	6
WT-08-LQ-085	-1560	0	757	12,700	903	425	304	516	34	7,550	568	28
WT-08-LQ-151	148	0	98	79	0	79	5	4	7	8.00	0	8
WT-08-LQ-153	-622	0	62	14,900	1,180	693	8,380	545	52	8,280	557	46
WT-08-LQ-237	327	0	1,240	12,400	1,440	500	6,980	630	36	6,920	879	31
WT-09-LQ-046	323	0	149	73	0	73	17	4	6	16	4	5
WT-09-LQ-175	98	0	381	503	206	324	267	30	28	255	30	29
WT-09-LQ-227	52	0	99	273	54	68	143	15	5	140	16	5
WT-10-LQ-094	181	0	104	150	0	92	-2	0	9	6	0	9

Table C-27. CWT Filtered Effluent (Continued)

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-10-LQ-161	436	128	98	363	51	62	15	9	5	3	2	4
WT-10-LQ-291	-46	0	122	77	430	64	2	0	8	-1	0	6
WT-11-LQ-187	-173	0	388	1,700	209	264	919	63	20	862	67	20
WT-11-LQ-221	-233	0	584	2,090	305	228	1,030	92	18	968	67	27

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-01-LQ-023	6	0	19	6	0	19	2	0	19	3	0	9	3	0	9
WT-01-LQ-115	54	18	23	55	19	23	57	19	23	8	3	9	57	0	69
WT-01-LQ-281	-7	0	18	-7	0	18	-4	0	18	7	0	9	-12	0	36
WT-02-LQ-021	3	0	15	3	0	15	0.8	0	15	4	3	6	-25	0	28
WT-02-LQ-111	0.9	0	16	0.9	0	16	3	0	17	6	0	9	5	0	34
WT-02-LQ-279	6	0	5	6	0	5	10	0	7	5	2	4	-11	0	13
WT-03-LQ-029	3	0	5	3	0	5	4	3	6	4	0	3	-9	0	12
WT-03-LQ-121	-0.7	0	11	-0.7	0	11	-0.2	0	11	4	3	5	-16	0	23
WT-03-LQ-287	6	6	9	6	6	9	6	6	10	8	4	5	4	0	34
WT-04-LQ-031	36	5	5	37	5	5	38	5	5	7	0	3	10	0	15
WT-04-LQ-165	91	14	14	94	15	14	95	15	14	22	8	12	16	0	34
WT-04-LQ-201	56	12	9	68	9	9	71	9	9	44	6	8	7	0	20
WT-05-LQ-058	116	15	13	118	15	13	122	15	13	10	0	11	34	0	34
WT-05-LQ-197	7	6	9	8	6	9	70	13	15	4	4	6	14	0	34
WT-05-LQ-207	80	13	15	80	13	15	83	14	16	27	8	12	22	0	37
WT-07-LQ-015	839	85	83	849	86	83	872	89	86	34	11	31	160	0	197
WT-07-LQ-109	319	34	29	324	35	29	334	36	30	28	0	28	80	0	80
WT-07-LQ-273	1,700	143	29	1,740	145	29	1,780	149	30	1,060	174	30	122	22	61

Table C-27. CWT Filtered Effluent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-08-LQ-081	6	0	9	6	0	9	5	0	10	4	3	5	-14	0	21
WT-08-LQ-085	1,080	79	39	1,110	81	39	1,140	83	40	73	9	19	133	25	82
WT-08-LQ-151	15	0	15	15	0	15	15	0	15	7	0	7	32	0	32
WT-08-LQ-153	1,280	89	55	1,300	90	55	1,340	93	56	58	11	29	140	45	122
WT-08-LQ-237	1,200	118	40	1,220	120	40	1,260	124	41	1,300	1,140	41	73	27	81
WT-09-LQ-046	12	0	12	12	0	12	12	8	12	6	2	4	23	0	30
WT-09-LQ-175	314	43	40	319	44	40	329	45	41	67	0	264	31	0	110
WT-09-LQ-227	161	13	6	164	13	6	169	14	6	36	6	6	14	8	13
WT-10-LQ-094	-5	0	17	-5	0	17	-3	0	18	7	0	7	-8	0	35
WT-10-LQ-161	10	6	9	10	6	9	8	0	11	5	3	5	5	0	20
WT-10-LQ-291	13	0	13	13	0	13	13	0	14	7	0	7	-11	0	23
WT-11-LQ-187	923	72	19	943	74	19	967	76	19	225	23	19	60	40	64
WT-11-LQ-221	961	92	18	976	93	18	1,010	96	18	226	32	18	99	36	55

Table C-28. CWT Unfiltered Effluent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-01-LQ-024	111	0	111	104	54	86	20	5	8	28	6	72
WT-01-LQ-116	60	0	173	123	0	196	21	8	13	47	12	13
WT-01-LQ-282	137	0	157	114	56	83	20	8	10	11	7	10
WT-02-LQ-022	61	0	41	64	19	29	3	2	3	3	2	3
WT-02-LQ-112	276	0	166	116	0	116	11	0	11	3	0	11
WT-02-LQ-280	139	101	164	108	33	48	1	0	5	4	0	5
WT-03-LQ-030	8	0	68	61	33	52	-0.07	0	5	-1	0	5
WT-03-LQ-122	73	0	167	126	64	101	11	0	9	7	0	9
WT-03-LQ-288	461	121	176	362	62	57	-10	0	6	6	0	6
WT-04-LQ-032	7	0	82	124	53	82	54	7	8	44	6	7
WT-04-LQ-166	105	0	56	117	40	63	64	5	5	57	6	5
WT-04-LQ-202	41	0	205	70	0	131	14	0	15	14	0	15
WT-05-LQ-057	471	0	582	357	100	151	129	13	13	118	14	12
WT-05-LQ-198	332	0	829	188	126	202	64	13	15	72	14	16
WT-05-LQ-208	199	0	200	240	74	110	100	12	13	99	11	8
WT-07-LQ-110	-708	0	240	1,670	203	255	924	62	20	891	71	17
WT-07-LQ-274	516	0	2,030	8,050	687	535	5,220	600	46	5,260	53	40
WT-08-LQ-082	76	43	47	87	23	34	4	2	3	4	2	4
WT-08-LQ-086	-913	0	554	10,300	844	577	5,910	403	44	5,880	396	33
WT-08-LQ-152	71	127	36	85	0	34.0	5	0	4	4	0	3
WT-08-LQ-154	-2220	0	609	15,500	1,170	803	9,000	568	56	8,710	656	46
WT-08-LQ-238	-121	0	589	12,700	22,200	383	7,930	89	31	7,180	870	25
WT-09-LQ-045	197	0	176	161	69	105	20	7	10	24	8	10
WT-09-LQ-176	409	0	351	594	162	237	270	26	21	267	27	20
WT-09-LQ-228	345	0	398	404	169	264	169	19	19	149	22	23
WT-10-LQ-093	79	0	43	42	23	37	4	2	3	5	2	3
WT-10-LQ-162	117	0	227	123	0	138	13	0	15	7	0	14

Table C-28. CWT Unfiltered Effluent (Continued)

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-10-LQ-292	92	90	91	35	0	95	10	0	10	2	3	5
WT-11-LQ-188	345	0	241	1,840	194	227	949	62	17	909	66	14
WT-11-LQ-222	195	0	292	1,470	242	301	1,100	78	33	1,090	83	33

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-01-LQ-024	18	0	18	18	0	18	17	0	18	8	4	7	-8	0	34
WT-01-LQ-116	26	0	22	26	0	22	26	16	22	18	0	16	65	0	74
WT-01-LQ-282	10	10	15	10	10	15	11	10	16	5	6	9	37	0	44
WT-02-LQ-022	3	3	5	3	3	5	3	3	5	3	2	3	2	0	10
WT-02-LQ-112	18	0	18	18	0	18	18	0	18	6	0	9	22	0	38
WT-02-LQ-280	9	0	10	9	0	10	8	0	10	6	0	5	4	0	18
WT-03-LQ-030	5	0	8	5	0	8	3	0	8	5	2	4	5	0	17
WT-03-LQ-122	-7	0	13	-7	0	13	-6	0	13	5	4	7	-0.8	0	3
WT-03-LQ-288	11	0	10	11	0	10	7	0	10	6	0	5	4	0	19
WT-04-LQ-032	83	13	14	84	13	14	87	13	14	5	2	5	-3	0	29
WT-04-LQ-166	110	12	9	112	12	9	195	38	9	9	2	4	9	0	19
WT-04-LQ-202	19	0	27	19	0	27	23	0	28	6	0	12	-8	0	55
WT-05-LQ-057	131	18	18	133	19	18	137	20	19	12	3	9	-0.1	0	47
WT-05-LQ-198	87	24	30	89	24	30	91	25	31	29	13	20	36	0	75
WT-05-LQ-208	91	15	16	92	15	16	96	16	16	30	10	15	15	0	48
WT-07-LQ-110	313	28	22	318	28	22	328	30	23	19	5	13	19	0	64
WT-07-LQ-274	1,700	45	47	1,740	45	47	1,780	47	48	1,040	87	48	110	35	91
WT-08-LQ-082	6	3	4	4	0	4	6	3	5	5	2	4	6	0	14
WT-08-LQ-086	894	65	48	912	66	48	936	68	50	61	10	24	116	0	147

Table C-28. CWT Unfiltered Effluent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-08-LQ-152	6	3	5	6	0	5	6	3	5	4	0	3	-0.30	0	13
WT-08-LQ-154	1,230	105	80	1,250	106	80	1,290	110	82	60	13	33	-212	0	161
WT-08-LQ-238	1,180	100	32	1,200	102	32	1,230	104	33	1,530	251	33	129	23	65
WT-09-LQ-045	27	11	15	28	11	15	29	12	15	5	0	9	-19	0	38
WT-09-LQ-176	328	37	29	331	0	29	343	39	30	15	4	13	-18	0	77
WT-09-LQ-228	165	34	40	166	34	40	173	35	42	32	14	22	46	0	121
WT-10-LQ-093	6	3	4	6	3	4	6	3	4	5	2	3	3	0	12
WT-10-LQ-162	16	0	27	16	0	27	3	0	27	9	6	10	3	0	50
WT-10-LQ-292	6	6	10	6	6	10	6	6	10	6	4	6	6	0	35
WT-11-LQ-188	982	73	14	996	74	14	1,030	77	15	56	5	10	67	16	37
WT-11-LQ-222	1,090	89	53	1,100	90	53	1,140	93	56	-56	0	24	57	51	82

	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
Study ID	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-01-LQ-024	6	0	6	296	47	48	-864	696	1,340	-269	509	871
WT-01-LQ-116	31	0	12	381	82	61	436	608	1,130	208	509	844
WT-01-LQ-282	-7	0	36	270	56	45	-603	1,540	2,650	-133	591	1000
WT-02-LQ-022	7	0	2	113	14	10	-491	352	689	-403	250	444
WT-02-LQ-112	30	0	8	140	42	43	-591	673	1,250	351	491	804
WT-02-LQ-280	1	0	17	162	25	20	-1460	1,460	2,600	-387	579	994
WT-03-LQ-030	14	0	4	29	13	18	-144	146	260	-143	103	181
WT-03-LQ-122	33	0	7	36	23	35	-77.3	74.9	142	-29.7	113	191
WT-03-LQ-288	20	10	14	25	0	30	-207	108	213	-196	119	211
WT-04-LQ-032	-3	0	5	406	50	37	-10.3	-11.5	-17.1	480	158	238
WT-04-LQ-166	-2	0	4	568	46	20	565	680	1,030	1,280	546	845

Table C-28. CWT Unfiltered Effluent (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-04-LQ-202	5	0	9	361	76	49	-431	827	1,450	-305	492	846
WT-05-LQ-057	18	0	10	565	70	54	0	354	595	389	283	453
WT-05-LQ-198	34	0	59	688	112	77	-168	777	1,320	335	308	500
WT-05-LQ-208	53	0	7	648	74	45	286	577	912	-110	499	845
WT-07-LQ-110	35	0	16	571	80	83	2,370	548	522	1,060	307	456
WT-07-LQ-274	40	0	158	1,450	136	185	33.6	3.27	2.6	5,380	485	557
WT-08-LQ-082	244	0	3	37	11	14	0.659	1.03	1.66	-0.896	0.668	1.17
WT-08-LQ-086	-115	0	36	371	371	117	18,900	1,420	744	4,900	398	434
WT-08-LQ-152	5	0	3	42	11	13	4.68	1.51	1.95	1.13	1.24	2.01
WT-08-LQ-154	39	0	49	414	145	227	17,100	2,470	2,800	4,440	754	1,060
WT-08-LQ-238	-75	0	111	355	73	109	42,300	2,800	131	12,900	832	824
WT-09-LQ-045	-8	0	7	118	38	42	0.26	-0.56	-1	280	213	341
WT-09-LQ-176	-5	0	15	200	63	81	1,810	868	1,130	1,540	594	910
WT-09-LQ-228	-48	0	17	233	76	91	1,410	826	1,120	-123	513	869
WT-10-LQ-093	-11	0	3	80	13	13	-209	150	294	-178	230	397
WT-10-LQ-162	6	0	8	217	60	53	10.9	123	205	202	265	129
WT-10-LQ-292	2	0	29	69	24	30	-133	122	224	31.7	125	209
WT-11-LQ-188	33	0	14	264	36	41	3,460	1,680	2,510	1,410	622	974
WT-11-LQ-222	41	0	19	252	99	146	3,880	1,770	2,630	1,320	633	998

Table C-29. CWT Filtered Influent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-01-LQ-025	391	0	711	1,760	338	476	99	84	45	943	87	51
WT-01-LQ-117	92	0	537	2,810	375	477	1,760	118	37	1,710	117	36
WT-01-LQ-283	350	0	1,090	1,900	319	380	1,020	97	29	1,030	135	28
WT-02-LQ-019	-40	0	341	1,650	199	251	986	66	21	888	68	15
WT-02-LQ-113	-535	0	232	1,660	177	210	766	50	15	711	52	13
WT-02-LQ-277	-102	0	592	1,770	265	231	902	93	20	866	105	19
WT-03-LQ-027	276	0	113	116	0	83	7	0	11	3	0	10
WT-03-LQ-119	185	0	148	121	64	100	2	0	12	-9	0	9
WT-03-LQ-285	268	130	203	126	38	49	1	0	5	3	20	3
WT-04-LQ-033	71	0	116	175	70	111	70	8	9	69	9	9
WT-04-LQ-167	1,350	0	483	445	190	300	178	23	23	181	24	22
WT-04-LQ-203	31	0	100	216	44	64	87	7	6	88	8	5
WT-05-LQ-060	73	0	273	57	19	24	50	11	14	54	12	15
WT-05-LQ-199	90	0	135	118	58	90	30	6	8	30	7	8
WT-05-LQ-205	504	0	97	242	51	74	82	8	8	76	0	6
WT-07-LQ-013	-2510	0	199	1,390	180	235	788	53	16	738	59	13
WT-07-LQ-107	-682	0	132	1,930	168	159	1,030	66	18	973	75	11
WT-07-LQ-275	348	0	419	1,410	203	138	544	50	12	523	37	11
WT-08-LQ-083	76	43	47	87	23	34	4	2	3	4	3	4
WT-08-LQ-155	-2290	0	326	14,100	985	425	8,280	520	30	7,660	575	18
WT-08-LQ-239	-1030	0	577	7,080	1,230	285	4,000	498	28	3,890	545	129
WT-09-LQ-047	-513	0	230	469	111	165	239	20	15	212	20	12
WT-09-LQ-173	-100	0	292	300	101	158	234	19	12	212	20	11
WT-10-LQ-092	105	0	127	97	0	88	1	0	9	3	0	8
WT-10-LQ-163	175	0	85	132	36	53	2	0	5	2	0	5
WT-10-LQ-289	226	100	154	102	34	46	7	3	4	6	3	4

Table C-29. CWT Filtered Influent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-01-LQ-025	701	89	84	711	90	84	734	39	86	59	12	28	-21	0	189
WT-01-LQ-117	1,100	85	40	1,120	87	40	1,150	90	41	77	11	27	30	0	133
WT-01-LQ-283	946	100	35	961	101	35	990	104	36	260	37	36	25	0	117
WT-02-LQ-019	739	56	20	747	67	20	774	59	21	243	0	25	91	44	69
WT-02-LQ-113	897	67	17	913	68	14	939	70	14	82	7	10	105	16	35
WT-02-LQ-277	964	82	20	962	83	20	990	86	20	249	35	25	112	46	73
WT-03-LQ-027	-1	0	16	-1	0	16	-1	0	17	6	0	9	17	0	37
WT-03-LQ-119	9	0	19	9	0	19	10	0	20	10	0	9	-5	0	40
WT-03-LQ-285	4	3	5	4	3	5	6	0	8	8	3	4	11	0	17
WT-04-LQ-033	170	18	15	172	19	15	178	20	16	15	3	6	4	0	40
WT-04-LQ-167	382	45	32	392	46	32	400	47	33	78	18	26	26	0	97
WT-04-LQ-203	171	14	8	173	14	8	180	15	8	29	5	7	25	11	16
WT-05-LQ-060	56	18	24	56	18	24	59	20	25	8	3	8	6	0	60
WT-05-LQ-199	47	10	12	48	10	12	49	11	12	15	7	10	14	0	31
WT-05-LQ-205	78	10	9	78	10	9	82	10	10	22	5	7	29	0	25
WT-07-LQ-013	201	23	22	203	23	22	210	24	22	14	3	12	-28	0	53
WT-07-LQ-107	316	27	19	322	27	19	331	28	19	22	4	8	37	10	34
WT-07-LQ-275	199	24	19	203	25	19	209	26	20	96	17	18	1	0	41
WT-08-LQ-083	6	3	4	6	3	4	6	3	5	47	6	18	5	0	14
WT-08-LQ-155	1,500	107	34	1,520	109	34	1,570	112	34	75	8	18	122	22	67
WT-08-LQ-239	605	49	23	615	50	23	633	51	24	704	114	24	41	17	41
WT-09-LQ-047	243	25	18	247	26	18	255	27	19	157	0	20	76	29	42
WT-09-LQ-173	232	23	17	238	24	17	243	24	17	145	16	17	91	29	42
WT-10-LQ-092	15	0	15	15	0	15	15	0	15	4	4	6	42	0	31
WT-10-LQ-163	6	0	10	6	0	10	8	0	10	5	3	4	4	0	19
WT-10-LQ-289	8	4	6	8	4	6	9	0	8	6	3	4	11	0	17

Table C-29. CWT Filtered Influent (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-01-LQ-025	17	0	29	345	134	177	-14.9	-3.26	-3.02	3,040	279	320
WT-01-LQ-117	-115	0	29	603	115	147	10,500	1,940	1,790	2,970	655	937
WT-01-LQ-283	47	0	24	304	90	127	3,940	1,080	1,160	1,950	596	894
WT-02-LQ-019	32	0	16	272	52	68	-6.16	-1.24	-1.22	2,810	276	320
WT-02-LQ-113	38	0	13	247	37	46	2,360	886	1,040	1,900	596	893
WT-02-LQ-277	19	0	73	300	52	65	3,930	1,070	1,140	2,760	629	907
WT-03-LQ-027	17	0	6	20	0	63	-14.1	-75.3	129	17.2	89.2	149
WT-03-LQ-119	11	0	7	9	0	54	32.8	125	205	99.7	124	202
WT-03-LQ-285	3	0	18	36	12	17	-152	122	227	-156	121	212
WT-04-LQ-033	-5	0	7	419	55	41	147	232	369	276	115	177
WT-04-LQ-167	80	0	19	626	112	98	660	444	628	1,510	508	766
WT-04-LQ-203	-8	0	4	394	36	20	71.8	868	1,450	250	512	846
WT-05-LQ-060	30	0	7	84	69	111	-1270	1,440	2,550	-479	579	998
WT-05-LQ-199	7	0	6	547	62	36	136	361	579	587	281	438
WT-05-LQ-205	15	0	5	514	46	24	-495	563	1,040	-107	473	802
WT-07-LQ-013	-48	0	15	163	47	66	2,290	313	216	1,310	145	168
WT-07-LQ-107	-32	0	10	505	55	51	3,420	658	566	893	281	421
WT-07-LQ-275	-34	0	43	219	39	46	1,920	490	605	853	279	422
WT-08-LQ-083	2	0	11	37	11	14	6,110	926	796	1,570	534	811
WT-08-LQ-155	-70	0	26	526	83	116	22,200	2,550	2,630	4,640	722	994
WT-08-LQ-239	-43	0	116	203	55	84	28,400	2,030	962	7,820	718	831
WT-09-LQ-047	11	0	10	121	31	36	1,310	531	656	-89.3	479	811
WT-09-LQ-173	13	0	10	176	40	47	1,950	886	1,130	1,360	542	830
WT-10-LQ-092	-92	0	6	95	29	34	-64.7	123	220	-418	218	392
WT-10-LQ-163	-7	0	4	345	38	22	-101	169	294	276	142	225
WT-10-LQ-289	13	0	18	55	13	14	-183	175	312	-118	134	231

Table C-30. CWT Unfiltered Influent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-01-LQ-026	-534	0	961	1,430	181	230	862	59	19	860	61	18
WT-01-LQ-118	949	0	1,230	2,870	431	527	1,720	117	44	1,760	128	40
WT-01-LQ-284	821	0	1,200	1,820	393	373	979	125	40	928	173	35
WT-02-LQ-020	-286	0	625	1,740	180	207	998	64	14	922	67	12
WT-02-LQ-114	-658	0	1,640	3,630	613	846	2,510	182	72	2,330	172	71
WT-02-LQ-278	150	0	643	1,790	340	239	880	109	21	856	157	14
WT-03-LQ-028	116	0	148	100	32	49	-1	0	4	2	0	4
WT-03-LQ-120	198	0	378	327	78	104	-1	0	10	2	0	10
WT-03-LQ-286	51	0	59	66	0	34	2	0	4	3	2	3
WT-04-LQ-034	-1790	0	223	214	83	130	143	13	11	132	14	9
WT-04-LQ-168	-1080	0	180	453	70	98	255	18	8	229	19	8
WT-04-LQ-204	101	0	193	286	92	141	142	14	11	129	11	11
WT-05-LQ-059	129	0	193	146	65	102	69	8	7	64	8	7
WT-05-LQ-200	445	161	242	492	72	96	111	10	8	113	11	8
WT-05-LQ-206	73	0	102	238	46	67	145	11	6	137	12	5
WT-07-LQ-014	17	0	207	1,330	119	87	350	23	7	727	54	7
WT-07-LQ-108	-155	0	422	2,330	240	263	1,350	89	21	1,240	94	16
WT-07-LQ-276	116	0	101	1,030	127	105	566	50	9	552	41	7
WT-08-LQ-084	-123	0	371	5,920	441	247	3,560	228	17	3,310	243	13
WT-08-LQ-156	-1360	0	2,600	13,400	1,080	692	8,200	534	52	8,160	549	43
WT-08-LQ-240	325	0	388	6,940	815	261	4,190	397	18	4,080	435	15
WT-09-LQ-048	400	0	742	950	176	249	336	28	19	341	32	16
WT-09-LQ-174	-4	0	638	458	139	212	234	22	18	220	21	15
WT-10-LQ-091	-890	0	210	28	23	37	2	0	4	5	2	3
WT-10-LQ-164	223	0	305	86	60	98	4	4	7	12	0	10
WT-10-LQ-290	90	0	57	35	0	35	2	0	4	3	0	4

Table C-30. CWT Unfiltered Influent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-01-LQ-026	733	52	18	740	52	18	768	54	19	53	6	11	76	36	46
WT-01-LQ-118	1,090	91	63	1,100	93	63	1,140	95	65	87	13	28	38	0	158
WT-01-LQ-284	968	104	52	984	106	52	1,010	109	1,010	255	51	45	94	56	88
WT-02-LQ-020	828	62	13	835	62	13	866	65	14	46	5	10	55	13	35
WT-02-LQ-114	1,890	156	116	1,920	159	116	1,980	164	119	301	33	46	259	127	201
WT-02-LQ-278	994	95	21	1,010	96	21	1,040	99	22	250	43	22	103	46	73
WT-03-LQ-028	4	0	8	4	0	8	6	0	8	9	2	3	-1	0	15
WT-03-LQ-120	-1	0	17	-1	0	17	-1	0	17	8	0	9	11	0	34
WT-03-LQ-286	6	3	55	6	3	5	7	0	5	6	2	3	8	0	13
WT-04-LQ-034	226	24	23	229	23	17	237	25	17	12	2	7	14	0	40
WT-04-LQ-168	467	36	13	467	36	13	483	37	13	23	3	5	48	19	29
WT-04-LQ-204	226	24	18	228	25	18	236	17	18	39	11	16	-1	0	42
WT-05-LQ-059	75	12	14	77	12	14	79	13	14	10	7	5	13	0	31
WT-05-LQ-200	85	11	12	86	11	12	89	12	12	14	2	5	-1	0	29
WT-05-LQ-206	125	12	8	126	12	8	131	12	8	41	5	6	1	0	20
WT-07-LQ-014	187	14	9	188	14	9	195	15	9	11	2	5	25	8	19
WT-07-LQ-108	360	36	31	366	36	31	377	38	31	25	5	14	-113	0	65
WT-07-LQ-276	200	18	13	203	18	13	209	18	13	110	14	12	24	17	27
WT-08-LQ-084	360	28	17	367	29	17	377	30	17	73	6	12	51	14	35
WT-08-LQ-156	1,500	102	54	1,520	103	54	1,570	107	56	64	11	31	157	43	109
WT-08-LQ-240	612	44	18	623	45	18	641	46	19	747	85	19	51	14	39
WT-09-LQ-048	325	36	31	328	36	31	340	38	32	75	9	13	62	41	64
WT-09-LQ-174	219	25	21	222	25	21	229	26	21	113	11	13	70	32	48
WT-10-LQ-091	4	0	6	4	0	6	3	0	6	4	2	3	-5	0	12
WT-10-LQ-164	6	6	8	6	6	8	5	0	16	7	4	7	-5	0	32
WT-10-LQ-290	3	0	6	3	0	6	5	0	6	5	0	3	3	0	12

Table C-30. CWT Unfiltered Influent (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-01-LQ-026	-35	0	69	333	61	77	4,830	1,120	1,070	1,780	575	863
WT-01-LQ-118	16	0	147	592	123	158	8,400	1,500	1,240	3,440	672	940
WT-01-LQ-284	-76	0	155	243	84	119	2,940	1,070	1,330	1,420	558	857
WT-02-LQ-020	11	0	62	245	34	41	3,220	978	1,060	1,890	588	879
WT-02-LQ-114	-87	0	240	117	0	373	47,100	3,050	1,240	12,800	866	884
WT-02-LQ-278	-23	0	84	279	51	66	4,220	1,160	1,320	1,650	567	860
WT-03-LQ-028	3	0	14	33	0	27	54.9	116	188	-23.4	96.2	163
WT-03-LQ-120	-28	0	27	6	0	55	29.9	73	116	-11	118	199
WT-03-LQ-286	1	0	3	48	11	12	102	104	158	-20.6	125	212
WT-04-LQ-034	1	0	38	459	55	36	-12	-7.4	-10.3	1,030	161	214
WT-04-LQ-168	-18	0	30	-11	0	69	1,350	1,120	1,700	1,130	538	839
WT-04-LQ-204	43	0	9	433	59	50	346	567	883	421	516	842
WT-05-LQ-059	10	0	30	493	57	34	-66.1	534	910	377	269	430
WT-05-LQ-200	13	0	28	550	55	30	518	402	575	591	259	400
WT-05-LQ-206	-12	0	20	526	45	21	252	1,230	2,040	1,200	561	874
WT-07-LQ-014	-17	0	33	171	26	33	1,890	296	260	485	118	172
WT-07-LQ-108	66	0	79	468	66	72	3,490	683	651	1,180	298	436
WT-07-LQ-276	10	0	7	227	30	34	1,740	592	842	638	298	470
WT-08-LQ-084	-20	0	66	159	40	60	7,960	947	590	2,550	563	803
WT-08-LQ-156	3	0	189	544	129	191	27,700	2,290	1,060	6,870	721	866
WT-08-LQ-240	-63	0	72	184	49	74	27,600	2,090	1,400	10,200	785	845
WT-09-LQ-048	49	0	72	86	0	99	425	468	746	343	140	219
WT-09-LQ-174	-8	0	64	151	49	63	2,050	939	1,230	1,040	517	807
WT-10-LQ-091	6	0	13	67	15	18	-93.5	104	198	-70.6	231	393
WT-10-LQ-164	-12	0	35	328	48	34	32.1	73.6	117	375	131	198
WT-10-LQ-290	1	0	11	59	12	14	-9.62	71.8	123	17.6	121	203

Table C-31. ZLD Solids, Filter Cake

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WT-06-SL-046	-7.48	0	6.01	159	14.9	5.39	93.7	15.8	0.290	110	7.55	0.582
WT-06-SL-074	3.75	0	8.20	31.7	2.66	2.49	26.4	1.93	0.217	26.5	4.16	0.217
WT-18-SL-025	3.39	1.18	1.87	8.02	0.738	0.58	4.59	0.586	0.057	4.42	0.394	0.053
WT-18-SL-043	-0.211	0	0.757	6.14	0.609	0.65	4.18	0.283	0.054	3.77	0.317	0.056
WT-18-SL-076	0.089	0	1.46	19.1	1.52	0.871	14.8	1.04	0.076	13.8	1.8	0.07
WT-19-SL-023	1.25	0	1.63	4.62	0.433	0.422	2.06	0.138	0.037	2.27	0.174	0.034
WT-19-SL-041	-18.8	0	3.42	127	9.16	3.72	107	6.9	0.302	96.6	7.24	0.183
WT-19-SL-070	0.879	0	0.755	3.08	0.357	0.405	2.17	0.158	0.036	1.94	0.258	0.034
WT-20-SL-024	-0.332	0	0.745	26.9	1.87	0.593	22.2	1.55	0.045	20.4	1.66	0.027
WT-20-SL-042	-2.83	0	0.72	20	1.84	0.964	15.9	2.71	0.083	14.6	1.2	0.057
WT-20-SL-075	-1.29	0	3.73	22.7	4.21	1.39	21.3	4.54	0.169	19.1	2.06	0.137
WT-20-SL-086	0.819	0	0.405	11.1	1.02	0.493	8.67	0.695	0.041	7.81	0.772	0.02
WT-20-SL-087	0.378	0.201	0.493	10.2	0.767	0.321	8.22	0.557	0.026	7.56	0.92	0.018
WT-21-SL-004	2.89	0.228	0.565	6.46	0.604	0.61	4.24	0.29	0.054	4.02	0.296	0.048
WT-21-SL-039	10	6.65	10.7	29.3	3.78	0.479	19.7	2.55	0.046	19	1.77	0.382
WT-21-SL-078	-0.088	0	6.55	25.8	3.18	2.56	20.5	1.78	0.221	192	2.28	0.203
WT-21-SL-092	1.65	0	2.82	214	15.5	2.26	179	12.1	0.195	16	19.8	0.136
WT-21-SL-093	-11.9	0	9.2	212	18.5	2.82	175	14	0.256	157	15.5	0.211
WT-22-SL-003	-6.43	0	3.54	281	18.5	3.07	227	15.6	0.294	206	14.6	0.199
WT-22-SL-032	-20.8	0	3.96	145	10.3	3.51	122	7.88	0.296	111	8.32	0.192
WT-22-SL-079	-52.6	0	10	134	18.1	5.03	113	14.7	0.355	109	19.3	0.489
WT-23-SL-016	2.19	0	2.19	78.9	6.35	2.59	64.1	8.14	0.23	61.1	5.37	0.208
WT-23-SL-055	0.823	0	7.26	33.6	2.87	2.71	27.4	1.91	0.255	25.8	1.86	0.26
WT-23-SL-077	-0.33	0	4.36	26	2.68	2.49	22.8	1.68	0.212	21.5	1.98	0.208
WT-24-SL-001	-10.4	0	3.72	420	29.8	2.73	328	23.2	0.352	309	23.8	0.225
WT-24-SL-002	-0.25	0	1.89	41.6	3.24	2.35	24.1	1.63	0.204	31	2.15	0.179
WT-24-SL-031	-6.92	0	7.58	480	31.2	6.79	403	25.6	0.569	371	29.9	0.355

Table C-31. ZLD Solids, Filter Cake (Continued)

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WT-24-SL-080	-1.5	0	44.8	289	21.1	4.61	244	16.5	0.36	223	27.2	0.219
WT-25-SL-028	-2.7	0	24.1	221	14.2	1.83	212	13.5	0.153	215	17.3	0.089
WT-25-SL-040	-1.13	0	3	185	12.1	3.19	159	10.1	0.265	152	12.2	0.158
WT-25-SL-071	3.29	0	4.31	206	16.7	3.24	199	14.4	0.304	189	17.2	0.21

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 Error (pCi/g)
WT-06-SL-046	13.9	1.16	1.14	14.2	1.19	1.14	14.6	1.22	1.17	27.8	3.86	0.628	4.28	0.707	2.02
WT-06-SL-074	3.43	0.307	0.44	3.48	0.312	0.44	3.59	0.322	0.453	6.31	0.377	0.484	0.584	0.067	0.551
WT-18-SL-025	1.97	0.151	0.096	2.01	0.155	0.096	2.06	0.158	0.099	2.22	0.233	0.035	1.22	0	0.17
WT-18-SL-043	1.61	0.153	0.085	1.63	0.155	0.085	1.69	0.16	0.087	1.47	0.104	0.036	0.960	0.159	0.188
WT-18-SL-076	1.91	0.192	0.142	1.95	0.196	0.142	2	0.201	0.146	3.99	0.30	0.107	0.908	0.128	0.187
WT-19-SL-023	1.41	0.118	0.048	1.44	0.121	0.048	1.48	0.124	0.045	1.30	0.09	0.024	0.739	0.100	0.113
WT-19-SL-041	10.9	0.864	0.35	11	0.894	0.35	11.4	0.923	0.36	3.41	0.24	0.178	2.47	0.316	0.698
WT-19-SL-070	0.579	0.096	0.074	0.58	0.098	0.074	0.606	0.10	0.077	0.926	0.07	0.052	0.433	0.071	0.093
WT-20-SL-024	2.57	0.211	0.056	2.62	0.216	0.056	2.69	0.221	0.057	2.56	0.175	0.029	1.64	0.162	0.112
WT-20-SL-042	2.21	0.185	0.126	2.24	0.188	0.126	2.31	0.194	0.13	2.65	0.361	0.05	1.71	0.176	0.231
WT-20-SL-075	2.17	0.605	0.197	2.21	0.615	0.197	2.27	0.633	0.203	4.87	0.979	0.163	0.895	0.166	0.163
WT-20-SL-086	1.36	0.102	0.04	1.4	0.105	0.04	1.42	0.107	0.04	3.15	0.273	0.04	0.963	0.082	0.075
WT-20-SL-087	1.28	0.102	0.036	1.41	0.112	0.036	1.34	0.107	0.036	2.89	0.208	0.032	0.889	0.93	0.067
WT-21-SL-004	1.53	0.11	0.072	1.54	0.111	0.072	1.6	0.116	0.075	1.14	0.825	0.312	0.819	0.087	0.162
WT-21-SL-039	9.22	0.939	0.086	9.34	0.951	0.087	9.65	0.984	0.825	1.87	0.243	0.029	1.03	0.867	1.40
WT-21-SL-078	6.99	0.71	0.259	7.09	0.72	0.499	7.32	1.23	0.268	8.67	0.923	0.268	3.25	0.409	0.559
WT-21-SL-092	42.7	3.3	0.278	43.6	3.37	0.278	44.8	3.45	0.285	44.8	3.45	0.263	8.33	0.836	0.616
WT-21-SL-093	39.7	2.89	0.389	40.5	2.95	0.389	41.5	3.03	0.399	42.4	3.65	0.797	7.75	0.762	0.797

Table C-31. ZLD Solids, Filter Cake (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 Error (pCi/g)
WT-22-SL-003	17.6	1.11	0.405	17.8	1.12	0.405	18.4	1.16	0.42	4.03	0.276	0.157	4.10	0.367	0.836
WT-22-SL-032	18.9	1.51	0.372	19.2	1.53	0.372	19.8	1.58	0.383	4.20	0.293	0.198	3.10	0.355	0.779
WT-22-SL-079	12.9	1.07	0.692	13.1	1.09	0.692	13.5	1.13	0.715	23	3.25	0.416	3.06	0.527	1.40
WT-23-SL-016	17.8	1.16	0.283	18.1	1.18	0.283	18.7	1.22	0.293	7.35	0.772	0.126	5.29	0.535	0.662
WT-23-SL-055	6.74	0.555	0.445	6.87	0.566	0.445	7.06	0.581	0.458	7.13	0.516	0.263	1.52	0.295	0.753
WT-23-SL-077	3.33	0.316	0.284	3.39	0.321	0.284	3.49	0.33	0.292	10.1	0.817	0.239	3.69	0.409	0.564
WT-24-SL-001	58.1	3.88	0.445	58.7	3.92	0.445	60.9	4.06	0.462	7.40	0.54	0.204	7.45	0.697	0.936
WT-24-SL-002	5.2	0.413	0.355	5.26	0.417	0.355	5.45	0.433	0.368	10.3	0.70	0.106	6.02	0.505	0.491
WT-24-SL-031	66.3	4.65	0.667	67.3	4.71	0.677	69.5	4.86	0.699	12.2	0.796	0.32	10.3	1.09	1.43
WT-24-SL-080	44.3	3.43	0.44	46.3	3.50	0.44	46.3	3.59	0.453	48.9	3.51	4.42	47.1	3.37	0.503
WT-25-SL-028	24.6	1.71	0.179	25.1	1.75	0.179	25.7	1.79	0.184	1.71	0.114	0.088	2.48	0.252	0.371
WT-25-SL-040	23.8	1.68	0.319	24.2	1.70	0.319	24.9	1.75	0.328	1.14	0.923	0.153	1.80	0.282	0.64
WT-25-SL-071	31.8	2.53	0.429	32.4	2.58	0.429	33.3	2.65	0.441	34.3	2.71	0.313	3.37	0.366	0.906

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WT-06-SL-046	-0.487	0	0.328	7.67	2.15	3.35
WT-06-SL-074	-0.237	0	0.648	14.9	1.07	1.26
WT-18-SL-025	0.487	0.048	0.036	26.3	1.81	0.30
WT-18-SL-043	0.09	0	0.04	21.7	1.56	0.271
WT-18-SL-076	-0.034	0	0.249	5.95	0.508	0.38
WT-19-SL-023	0.077	0	0.027	17.5	1.27	0.177
WT-19-SL-041	-0.494	0	0.226	16.6	1.29	1.07
WT-19-SL-070	0.151	0	0.118	7.46	0.574	0.191
WT-20-SL-024	-0.029	0	0.036	11.2	0.782	0.208
WT-20-SL-042	-0.232	0	0.059	10	0.79	0.446

Table C-31. ZLD Solids, Filter Cake (Continued)

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WT-20-SL-075	-0.048	0	0.405	13.4	5.30	1.12
WT-20-SL-086	-0.065	0	0.149	6.51	0.518	0.404
WT-20-SL-087	0.049	0	0.09	6.55	0.466	0.13
WT-21-SL-004	0.392	0.039	0.037	21.1	1.43	0.246
WT-21-SL-039	-1	0	0.03	10.8	1.86	2.02
WT-21-SL-078	-0.298	0	0.666	25.4	2.03	1.06
WT-21-SL-092	-0.505	0	0.569	12.5	1.06	0.966
WT-21-SL-093	-0.88	0	0.801	10.3	1.01	1.13
WT-22-SL-003	-0.835	0	0.186	14.1	1.44	1.63
WT-22-SL-032	-0.864	0	0.214	15.9	1.40	1.22
WT-22-SL-079	-0.098	0	1.50	2.75	1.54	2.50
WT-23-SL-016	-0.132	0	0.158	8.62	1	1.22
WT-23-SL-055	-0.139	0	0.165	4.28	0.988	1.42
WT-23-SL-077	0.396	0	0.686	1.61	0.558	0.838
WT-24-SL-001	-1.44	0	0.166	5.25	1.03	1.57
WT-24-SL-002	-0.123	0	0.143	3.02	0.729	1.09
WT-24-SL-031	-1.68	0	0.413	5.16	1.80	2.89
WT-24-SL-080	-1.25	0	1.15	5.26	1.10	1.66
WT-25-SL-028	-0.261	0	0.111	2.76	0.504	0.764
WT-25-SL-040	-0.096	0	0.194	3.27	0.828	1.29
WT-25-SL-071	-0.795	0	0.868	3.47	0.894	1.40

Table C-32. ZLD Solids, Biased Soil

Uranium Series												
Study ID	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
WT-21-SL-005	3.81	0	2.92	37.1	2.96	1.09	29.1	0.37	0.092	27.9	2.45	0.061

	Thorium Series														
Study ID	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
WT-21-SL-005	7.40	0.478	0.114	7.47	0.483	0.117	7.75	0.50	0.121	5.49	0.574	0.057	3.57	0.32	0.256

Uranium-235 and Potassium-40						
Study ID	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WT-21-SL-005	0.062	0	0.284	16.6	1.17	0.466

Table C-33. ZLD Filtered Effluent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-06-LQ-076	-843	0	2,280	12,000	1,100	1,130	6,770	468	108	6,760	469	95
WT-06-LQ-149	426	0	1,020	11,200	1,020	602	6,100	415	52	5,850	398	46
WT-06-LQ-245	-408	0	1,120	8,360	1,490	533	4,710	655	30	4,660	377	37
WT-18-LQ-070	515	218	321	335	84	117	10	0	12	15	0	12
WT-18-LQ-139	94	110	180	86	37	58	-2	0	5	2	0	5
WT-18-LQ-253	126	0	160	94	30	42	2	0	6	2	0	6
WT-19-LQ-062	233	0	409	119	80	127	6	0	14	1	0	12
WT-19-LQ-133	-26	0	87	56	5	58	5	0	6	1	0	6
WT-19-LQ-229	79	78	126	126	49	52	8	4	6	10	4	5
WT-20-LQ-066	67	0	892	8,930	918	986	4,820	323	74	4,800	333	61
WT-20-LQ-135	797	0	1,280	12,500	925	482	6,650	420	36	6,540	496	29
WT-20-LQ-251	470	0	468	11,100	1,290	305	6,960	658	23	6,750	72	14
WT-21-LQ-011	-93	0	774	3,470	281	214	2,030	128	17	1,900	135	10
WT-21-LQ-123	-1720	0	851	5,050	423	364	2,490	188	33	2,770	212	28
WT-21-LQ-261	235	0	694	4,690	544	369	2,450	214	28	2,320	170	26
WT-22-LQ-007	59	0	464	418	99	137	68	19	12	62	12	12
WT-22-LQ-105	-462	0	1,250	3,280	375	444	1,630	110	34	1,620	129	27
WT-22-LQ-269	6	0	957	2,310	383	366	1,080	100	29	1,080	78	20
WT-23-LQ-038	-99	0	266	580	102	143	346	25	13	318	27	11
WT-23-LQ-040	-136	0	153	73	0	82	4	0	8	4	4	6
WT-23-LQ-177	-290	0	148	110	51	79	21	5	6	22	5	6
WT-23-LQ-179	-131	0	750	587	134	199	332	26	15	295	25	11
WT-23-LQ-257	-23	0	49	68	44	69	11	0	-9	8	4	5
WT-23-LQ-259	113	0	289	2,540	280	151	1,360	118	13	1,280	94	98
WT-24-LQ-001	33	0	236	1,830	146	117	1,040	65	11	1,010	75	8
WT-24-LQ-101	1,350	0	1,910	2,260	336	442	1,070	79	33	1,130	87	31
WT-24-LQ-265	-8	0	806	292	129	200	121	21	18	118	16	17

Table C-33. ZLD Filtered Effluent (Continued)

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-25-LQ-088	107	0	385	173	71	111	28	6	8	27	6	6
WT-25-LQ-127	195	0	199	163	47	72	44	5	6	46	6	5
WT-25-LQ-235	-19	0	94	59	37	57	12	0	7	9	4	5

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-06-LQ-076	891	116	149	908	118	149	933	122	153	-30	0	105	13	0	373
WT-06-LQ-149	795	77	86	806	77	86	832	80	89	-99	0	52	-152	0	175
WT-06-LQ-245	562	77	67	571	79	67	588	81	69	819	145	40	-34	0	161
WT-18-LQ-070	-1	0	16	-1	0	16	4	0	16	6	6	9	-8	0	41
WT-18-LQ-139	1	0	10	1	0	10	-1	0	10	4	3	4	13	0	20
WT-18-LQ-253	4	0	10	4	0	10	5	0	10	6	0	5	-7	0	20
WT-19-LQ-062	3	0	21	3	0	21	8	0	22	8	6	9	1	0	48
WT-19-LQ-133	5	5	8	5	5	8	6	50	8	1	0	5	12	0	20
WT-19-LQ-229	-4	0	11	-4	0	11	-2	0	11	4	0	6	-10	0	23
WT-20-LQ-066	1,070	107	107	1,090	109	107	1,120	112	110	54	38	15	-141	0	251
WT-20-LQ-135	928	64	40	941	65	40	972	68	41	33	8	23	85	30	78
WT-20-LQ-251	889	63	25	910	65	25	931	66	25	36,400	3,140	3,640	100	20	50
WT-21-LQ-011	498	38	17	503	39	17	521	40	17	-23	0	20	53	14	41
WT-21-LQ-123	739	65	47	750	66	47	774	68	48	35	8	23	75	25	85
WT-21-LQ-261	710	61	46	725	63	46	743	64	47	489	57	44	9	0	96
WT-22-LQ-007	13	11	17	14	11	17	18	0	27	7	3	8	-16	0	48
WT-22-LQ-105	235	42	57	241	43	57	248	45	59	14	7	21	7	0	114
WT-22-LQ-269	160	33	41	163	34	41	168	35	42	159	27	27	17	0	91
WT-23-LQ-038	109	16	17	111	16	17	117	17	17	9	3	9	-20	0	40

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Table C-33. ZLD Filtered Effluent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-23-LQ-040	4	0	14	4	0	14	4	0	14	9	0	6	12	0	29
WT-23-LQ-177	12	6	9	12	6	9	13	7	10	33	3	5	-1	0	24
WT-23-LQ-179	93	16	18	96	16	18	98	17	18	49	9	13	29	0	56
WT-23-LQ-257	7	5	7	7	5	7	8	5	8	3	0	6	2	0	23
WT-23-LQ-259	274	22	13	280	22	13	286	23	13	246	28	13	26	0	38
WT-24-LQ-001	275	20	14	277	21	14	287	22	14	14	2	6	2	0	32
WT-24-LQ-101	201	41	54	204	42	54	210	44	55	0	0	41	-25	0	128
WT-24-LQ-265	117	24	25	120	24	25	123	25	25	35	16	24	4	0	82
WT-25-LQ-088	9	0	12	9	0	12	9	8	12	4	0	9	-21	0	32
WT-25-LQ-127	15	6	8	15	6	8	13	0	11	6	1	4	2	0	20
WT-25-LQ-235	7	0	10	7	0	10	10	0	10	10	0	5	17	0	20

	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
Study ID	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-06-LQ-076	104	0	350	255	0	552	19,600	2,070	1,410	4,840	692	917
WT-06-LQ-149	14	0	166	385	119	183	13,300	1,820	2,020	3,340	655	940
WT-06-LQ-245	-37	0	169	273	0	222	13,700	1,730	1,600	2,100	578	856
WT-18-LQ-070	7	0	36	159	43	38	-419	241	485	-127	241	413
WT-18-LQ-139	-2	0	17	648	58	24	-13.9	227	383	435	149	229
WT-18-LQ-253	11	0	19	149	26	24	701	362	467	-118	491	832
WT-19-LQ-062	-2	0	45	56	37	52	0.097	-0.107	-0.19	135	20.8	28.9
WT-19-LQ-133	4	0	128	55	19	25	-58.5	171	293	-104	130	225
WT-19-LQ-229	30	0	32	338	49	28	-144	237	412	149	144	234
WT-20-LQ-066	-29	0	271	271	0	339	11,800	1,680	1,400	2,440	620	911
WT-20-LQ-135	45	0	135	206	81	127	31,100	2,450	1,260	6,190	673	810

Table C-33. ZLD Filtered Effluent (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-20-LQ-251	-50	0	91	316	63	93	14,400	1,570	980	4,110	634	851
WT-21-LQ-011	-61	0	77	807	73	62	6,830	1,240	1,030	2,160	576	845
WT-21-LQ-123	-17	0	130	646	101	125	10,900	1,530	1,070	2,650	603	865
WT-21-LQ-261	89	0	114	885	105	108	10,200	1,870	2,330	2,890	665	980
WT-22-LQ-007	15	0	45	487	79	50	-280	306	542	284	127	199
WT-22-LQ-105	91	0	125	738	121	314	5,040	601	375	1,530	189	238
WT-22-LQ-269	119	0	101	183	72	102	2,690	721	986	515	301	480
WT-23-LQ-038	-13	0	46	186	37	41	1,660	393	409	602	123	173
WT-23-LQ-040	-1	0	25	30	21	30	5.05	1.84	2.14	3.10	1.14	1.74
WT-23-LQ-177	-14	0	21	54	18	21	73.7	94.6	145	-73.3	111	191
WT-23-LQ-179	4	0	70	670	65	58	727	836	1,340	242	307	504
WT-23-LQ-257	-10	0	21	32	0	41	23.6	4.97	5.08	3.73	2.53	4.03
WT-23-LQ-259	-4	0	47	-18	0	64	9,610	1,300	1,050	3,210	594	824
WT-24-LQ-001	-40	0	38	429	43	40	2,540	600	645	655	277	430
WT-24-LQ-101	-115	0	131	339	112	154	3,660	434	289	1,520	175	217
WT-24-LQ-265	-8	0	63	799	108	69	-1590	1,150	2,090	100	578	967
WT-25-LQ-088	16	0	37	190	35	28	-984	540	1,140	-468	475	827
WT-25-LQ-127	-5	0	19	113	22	24	-19.9	650	1,100	244	290	475
WT-25-LQ-235	-20	0	17	134	24	18	375	329	479	-27.7	251	424

Table C-34. ZLD Unfiltered Effluent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-06-LQ-075	734	69	995	12,100	1,060	980	6,490	412	80	6,140	461	64
WT-06-LQ-150	797	0	447	11,300	839	463	6,160	389	36	6,010	456	288
WT-06-LQ-246	-185	0	239	7,950	835	257	4,320	373	20	432	38	11
WT-07-LQ-016	-326	0	214	5,490	406	257	3,290	207	19	3,080	232	15
WT-18-LQ-140	91	0	387	66	0	80	10	7	11	5	6	5
WT-18-LQ-254	71	0	160	106	31	43	-7	0	5	4	0	5
WT-19-LQ-061	226	105	381	130	75	119	4	0	12	3	0	10
WT-19-LQ-134	169	621	96	104	41	16	-2	0	9	-5	0	8
WT-19-LQ-230	75	0	124	28	0	66	8	0	7	9	4	5
WT-20-LQ-065	-832	0	889	8,830	714	599	4,750	302	44	4,490	340	34
WT-20-LQ-136	-729	0	1,070	1,580	200	255	802	58	22	743	57	23
WT-20-LQ-252	-2290	0	1,440	11,900	2,110	664	6,680	927	40	6,630	533	51
WT-21-LQ-012	-72	0	583	3,770	359	388	2,140	138	28	2,070	158	22
WT-21-LQ-124	-747	0	59	5,120	433	365	2,980	194	32	2,820	209	25
WT-21-LQ-262	103	0	655	4,370	812	411	2,480	279	33	2,340	286	27
WT-22-LQ-008	67	25	59	165	29	40	78	6	5	72	6	3
WT-22-LQ-106	-31	0	377	2,730	283	324	1,590	101	22	1,540	115	19
WT-22-LQ-270	219	0	997	2,240	379	387	1,130	119	33	1,140	141	28
WT-23-LQ-037	243	0	191	531	102	148	377	27	13	352	29	10
WT-23-LQ-039	315	0	120	116	50	78	3	0	6	5	4	6
WT-23-LQ-178	153	0	99	85	0	85	18	5	8	9	0	9
WT-23-LQ-180	-312	0	87	800	82	91	541	36	8	456	34	7
WT-23-LQ-258	59	68	110	87	52	80	11	5	6	10	4	5
WT-23-LQ-260	-82	0	287	2,640	476	177	1,520	170	14	1,390	170	12
WT-24-LQ-002	1,120	0	382	2,040	275	364	1,150	76	24	1,090	81	21
WT-24-LQ-102	1,220	0	413	2,480	290	353	1,280	85	29	1,220	90	17
WT-24-LQ-266	-47	0	614	293	103	141	114	18	13	106	18	10

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Table C-34. ZLD Unfiltered Effluent (Continued)

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-25-LQ-087	655	0	239	-18	0	146	31	10	14	33	10	13
WT-25-LQ-128	-1840	0	586	601	149	228	353	27	17	301	28	16
WT-25-LQ-236	275	0	512	81	0	126	14	7	9	7	0	15

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-06-LQ-075	899	91	97	914	92	97	941	95	99	-52	0	88	-61,400	0	246
WT-06-LQ-150	855	60	37	866	60	37	895	7	38	53	8	22	64	26	74
WT-06-LQ-246	515	38	21	523	39	21	539	40	22	785	80	22	47	15	43
WT-07-LQ-016	867	63	20	875	63	20	907	66	21	32	4	12	72	15	48
WT-18-LQ-140	-0.01	0	20	-0.01	0	20	2	0	21	12	0	11	-15	0	47
WT-18-LQ-254	5	0	10	5	0	10	8	0	10	6	0	5	8	0	18
WT-19-LQ-061	4	0	19	4	0	19	9	0	20	10	0	10	-4	0	4
WT-19-LQ-134	10	0	16	10	0	16	9	0	17	8	4	6	2	0	36
WT-19-LQ-230	9	0	11	9	0	11	6	0	11	3	4	6	18	0	22
WT-20-LQ-065	1,070	90	63	1,090	91	63	1,120	94	65	60	9	24	-64	0	131
WT-20-LQ-136	221	33	43	221	33	43	1,050	92	73	190	15	13	175	53	78
WT-20-LQ-252	839	100	70	862	1,030	70	879	105	72	6,630	533	53	-147	0	206
WT-21-LQ-012	547	44	30	552	44	30	573	46	31	26	5	18	28	0	85
WT-21-LQ-124	774	66	43	785	67	43	810	69	44	43	7	21	103	29	77
WT-21-LQ-262	706	64	36	721	66	36	740	67	36	481	83	36	47	44	72
WT-22-LQ-008	19	4	6	19	4	6	601	94	6	18	0	5	6	6	9
WT-22-LQ-106	246	24	23	250	24	23	258	25	23	12	5	14	9	0	72
WT-22-LQ-270	174	35	45	178	36	45	182	37	46	225	37	36	51	0	103
WT-23-LQ-037	120	16	17	121	16	17	125	17	18	14	0	14	39	0	39

Table C-34. ZLD Unfiltered Effluent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-23-LQ-039	3	0	12	3	0	12	-35	0	12	5	4	6	3	0	25
WT-23-LQ-178	16	0	16	16	0	16	17	0	17	7	0	7	33	0	33
WT-23-LQ-180	108	11	10	109	11	10	10	0	113	9	2	7	24	0	24
WT-23-LQ-258	5	0	12	5	0	12	1	0	12	10	0	7	18	0	25
WT-23-LQ-260	301	27	15	308	28	15	315	28	16	291	49	15	28	0	29
WT-24-LQ-002	267	31	31	269	31	31	280	33	32	28	0	28	75	0	75
WT-24-LQ-102	297	35	36	301	35	36	311	37	37	32	0	32	86	0	86
WT-24-LQ-266	100	16	17	102	17	17	105	17	17	30	11	16	6	0	48
WT-25-LQ-087	25	0	31	25	0	31	32	0	32	7	0	7	53	0	53
WT-25-LQ-128	302	27	22	305	27	22	316	29	23	320	23	12	169	42	58
WT-25-LQ-236	-13	0	25	-13	0	25	3	0	25	15	0	10	4	0	5

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-06-LQ-075	-6	0	60	275	144	227	13,700	1,800	1,420	3,770	667	924
WT-06-LQ-150	686	56	28	326	93	143	27,300	2,250	1,040	6,530	706	857
WT-06-LQ-246	-59	0	78	256	54	80	37,600	2,290	879	12,600	834	842
WT-07-LQ-016	334	27	16	982	89	71	14,100	1,800	1,260	3,820	632	861
WT-18-LQ-140	4	0	5	674	94	64	60	91.1	140	573	139	201
WT-18-LQ-254	-6	0	16	143	24	22	631	445	641	648	486	780
WT-19-LQ-061	8	5	18	102	37	43	-0.007	-0.084	-0.14	92.6	10.3	12.6
WT-19-LQ-134	203	74	4	111	0	67	46.2	70.1	108	59.3	120	198
WT-19-LQ-230	-12	0	19	333	42	24	-34.6	163	280	231	133	210
WT-20-LQ-065	536	47	37	400	103	152	14,500	1,810	1,380	3,540	604	823
WT-20-LQ-136	26	0	226	4,310	3,340	119	40,900	3,030	1,900	8,340	750	851

Table C-34. ZLD Unfiltered Effluent (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
WT-20-LQ-252	172	0	218	299	138	221	42,800	2,940	2,310	13,900	907	964
WT-21-LQ-012	229	23	24	821	102	109	5,540	1,270	1,260	1,850	562	842
WT-21-LQ-124	311	29	23	612	90	110	16,000	1,780	1,060	5,530	695	879
WT-21-LQ-262	30	0	120	926	112	120	13,100	1,500	975	4,020	631	850
WT-22-LQ-008	10	2	3	439	37	15	74.7	172	275	322	116	460
WT-22-LQ-106	3	0	20	723	9	90	8,940	975	568	1,630	183	224
WT-22-LQ-270	16	0	117	190	78	112	5,100	635	437	1,260	291	430
WT-23-LQ-037	45	0	9	160	34	43	1,570	501	705	358	140	218
WT-23-LQ-039	6	0	5	31	17	24	4.94	2.19	2.92	1.23	1.1	1.78
WT-23-LQ-178	25	0	6	30	0	60	78	136	217	18.1	122	203
WT-23-LQ-180	11	0	6	497	0	59	1,220	465	564	871	303	460
WT-23-LQ-258	-5	0	23	33	0	42	5.12	2.7	4.25	26.1	5.85	6.93
WT-23-LQ-260	3	0	51	340	44	53	13,300	1,460	852	4,030	643	868
WT-24-LQ-002	108	0	23	431	66	75	2,750	638	637	387	265	424
WT-24-LQ-102	118	0	22	358	70	90	4,440	492	346	1,300	163	205
WT-24-LQ-266	48	0	54	748	84	52	31.7	486	810	554	517	836
WT-25-LQ-087	45	0	9	158	52	49	-39.3	540	917	-411	479	831
WT-25-LQ-128	-4	0	14	4,840	377	79	289	304	448	245	257	417
WT-25-LQ-236	27	0	40	158	46	40	-550	580	1,030	-36.5	281	475

Table C-35. ZLD Filtered Influent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-06-LQ-073	-624	0	869	12,100	1,030	914	6,880	440	67	6,840	524	54
WT-06-LQ-147	-2050	0	526	11,300	855	494	6,720	421	39	6,340	447	28
WT-06-LQ-247	134	0	209	3,910	698	220	2,180	243	16	2,020	245	14
WT-18-LQ-072	346	0	471	278	84	117	12	0	16	-86	0	14
WT-18-LQ-141	57	0	151	75	0	77	-2	0	8	7	0	8
WT-19-LQ-064	-658	0	3,570	950	542	873	729	72	68	681	70	55
WT-19-LQ-131	909	88	142	131	44	67	6	4	7	6	4	6
WT-19-LQ-231	-9	0	555	1,140	248	233	668	94	16	667	58	20
WT-20-LQ-068	173	0	822	13,200	1,010	631	7,860	505	47	7,480	550	37
WT-20-LQ-137	-507	0	1,550	20,900	1,810	713	10,600	717	77	8,870	603	84
WT-20-LQ-249	-3190	0	2,910	18,400	1,450	769	10,800	1,240	67	10,700	81	59
WT-21-LQ-009	337	0	584	2,580	289	301	1,480	103	27	1,430	100	23
WT-21-LQ-125	816	0	1,390	3,360	340	360	1,760	118	28	1,760	122	26
WT-21-LQ-263	815	0	1,670	6,190	806	602	3,500	121	182	3,580	459	67
WT-22-LQ-005	1	0	113	106	35	55	9	3	5	10	3	3
WT-22-LQ-103	-64	0	2,420	16,300	1,650	1,040	9,200	589	83	8,990	619	73
WT-22-LQ-271	-28	0	211	590	111	132	305	31	10	313	36	9
WT-23-LQ-035	-77	0	498	1,300	138	162	637	41	11	607	44	10
WT-23-LQ-181	141	0	245	564	106	150	265	21	12	270	24	11
WT-23-LQ-255	216	0	283	226	60	71	71	10	6	69	11	4
WT-24-LQ-003	179	0	516	2,580	256	283	1,500	95	22	1,430	107	17
WT-24-LQ-099	-275	0	920	1,920	325	433	933	74	42	887	72	35
WT-24-LQ-267	555	0	1,330	832	232	351	414	54	24	402	28	34
WT-25-LQ-090	-891	0	922	6,650	554	489	3,870	246	36	3,710	282	31
WT-25-LQ-129	298	0	313	2,100	186	181	1,460	91	14	1,260	94	11
WT-25-LQ-233	592	0	907	903	201	196	561	72	15	544	78	12

Table C-35. ZLD Filtered Influent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-06-LQ-073	1,070	105	113	1,100	107	113	1,080	103	103	75	17	44	152	0	222
WT-06-LQ-147	1,270	95	34	1,290	96	34	1,330	99	35	-87	0	41	64	22	64
WT-06-LQ-247	226	25	22	230	25	22	237	26	23	387	65	17	5	0	45
WT-18-LQ-072	-66	0	24	-66	0	24	3	0	25	16	0	13	30	0	53
WT-18-LQ-141	2	0	14	2	0	14	8	0	14	5	4	7	22	0	31
WT-19-LQ-064	886	112	118	901	114	118	927	118	122	959	77	39	672	162	220
WT-19-LQ-131	13	5	7	13	5	7	14	5	8	9	4	6	-5	0	23
WT-19-LQ-231	90	25	26	91	26	26	94	27	37	140	28	20	-27	0	85
WT-20-LQ-068	1,370	109	61	1,390	111	61	1,430	115	63	70	11	33	132	37	97
WT-20-LQ-137	594	67	85	603	68	85	918	0	105	-152	0	65	90	0	157
WT-20-LQ-249	1,380	49	74	1,410	50	74	1,440	51	76	1,990	157	76	198	53	145
WT-21-LQ-009	333	34	35	338	34	35	349	35	36	-8	0	26	-25	0	96
WT-21-LQ-125	507	46	42	515	47	42	531	49	43	27	6	15	55	50	81
WT-21-LQ-263	774	114	66	687	84	66	704	87	67	838	79	58	-10	0	149
WT-22-LQ-005	10	5	7	10	5	7	10	5	7	7	3	5	7	0	17
WT-22-LQ-103	834	95	116	847	95	116	873	100	119	13	0	88	116	53	214
WT-22-LQ-271	50	12	15	51	12	15	52	12	16	67	11	11	-2	0	37
WT-23-LQ-035	407	31	11	413	32	11	426	33	12	16	3	8	14	18	21
WT-23-LQ-181	92	15	17	94	16	17	96	16	17	62	12	17	-30	0	39
WT-23-LQ-255	28	6	7	28	6	7	29	6	7	19	5	7	-10	0	20
WT-24-LQ-003	439	37	28	332	38	28	459	39	29	14	5	14	28	0	71
WT-24-LQ-099	151	39	55	153	40	55	158	41	57	5	0	40	-48	0	148
WT-24-LQ-267	372	41	40	380	42	40	389	43	41	102	25	37	38	0	105
WT-25-LQ-090	647	60	51	660	61	51	677	63	52	42	9	24	-39	0	108
WT-25-LQ-129	1,760	18	19	181	18	19	184	19	19	20	4	9	19	11	28
WT-25-LQ-233	124	19	22	127	20	22	130	20	23	81	16	14	23	0	59

Table C-35. ZLD Filtered Influent (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross ¹ Alpha Result (pCi/l)	Gross ¹ Alpha Error (pCi/l)	Gross ¹ Alpha MDC (pCi/l)	Gross ¹ Beta Result (pCi/l)	Gross ¹ Beta Error (pCi/l)	Gross ¹ Beta MDC (pCi/l)
WT-06-LQ-073	85	0	56	393	0	308	21,400	2,120	124	4,530	665	882
WT-06-LQ-147	36	0	30	302	64	96	23,500	2,160	1,260	5,630	657	808
WT-06-LQ-247	-43	0	59	215	42	59	13,100	992	424	4,340	382	434
WT-18-LQ-072	-21	0	42	234	60	56	-36.7	249	427	-0.925	245	412
WT-18-LQ-141	-17	0	23	848	81	28	-31.7	100	175	592	133	190
WT-19-LQ-064	38	0	237	16,600	1,330	228	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
WT-19-LQ-131	-4	0	20	281	34	26	-88.7	92.9	175	118	117	190
WT-19-LQ-231	14	0	79	718	90	86	4,770	450	233	1,860	185	219
WT-20-LQ-068	25	0	184	399	117	180	18,700	2,100	1,340	4,740	681	900
WT-20-LQ-137	-136	0	212	141	0	187	59,400	4,010	3,080	10,700	918	1,080
WT-20-LQ-249	185	0	226	491	0	286	36,000	2,230	1,680	7,680	516	559
WT-21-LQ-009	48	0	87	517	84	107	-900	-144	-145	2,400	181	193
WT-21-LQ-125	-70	0	98	584	93	111	4,750	774	638	1,340	296	425
WT-21-LQ-263	-147	0	181	350	121	182	17,100	1,770	1,190	4,460	624	816
WT-22-LQ-005	10	0	17	299	0	53	-48	149	257	2,400	181	1.93
WT-22-LQ-103	-281	0	284	185	0	371	30,800	2,190	892	3,730	376	445
WT-22-LQ-271	-5	0	39	105	29	36	754	177	190	190	124	198
WT-23-LQ-035	18	0	49	421	43	38	828	382	567	425	137	209
WT-23-LQ-181	20	0	45	135	36	44	2,080	556	610	492	257	403
WT-23-LQ-255	2	0	24	158	21	18	497	180	221	180	129	207
WT-24-LQ-003	-38	0	84	552	77	88	3,630	641	525	1,530	314	442
WT-24-LQ-099	-3	0	132	341	117	162	2,300	362	318	395	140	214
WT-24-LQ-267	5	0	97	568	107	114	1,260	918	1,330	724	524	838
WT-25-LQ-090	18	0	145	202	0	156	8,920	1,440	1,280	1,030	545	859
WT-25-LQ-129	-4	0	50	187	37	51	2,290	494	494	396	245	388
WT-25-LQ-233	23	0	81	169	42	55	3,220	509	448	1,320	284	405

¹ #N/A - Gross Alpha and Gross Beta were not reported because the sample matrix was not suitable for analysis.

Table C-36. ZLD Unfiltered Influent

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
WT-06-LQ-074	-328	0	2,110	12,200	1,280	947	84	18.0	57	7,310	505	68
WT-06-LQ-148	-41	0	440	11,100	798	349	678	434	24	6,320	462	20
WT-06-LQ-248	257	0	1,300	4,300	801	362	2,160	249	28	2,150	33	22
WT-18-LQ-071	-426	0	868	1,310	262	361	1,010	72	31	1,010	77	26
WT-18-LQ-142	368	0	351	134	69	106	6	0	11	6	0	10
WT-19-LQ-063	1,600	892	1,420	1,470	329	495	591	49	37	533	52	35
WT-19-LQ-132	-996	0	4,190	11,700	1,130	1,120	6,690	443	85	6,670	458	72
WT-19-LQ-232	-63	0	331	1,600	232	303	789	58	25	790	67	20
WT-20-LQ-067	1,400	0	2,750	13,600	1,140	972	8,150	514	68	7,650	543	53
WT-20-LQ-138	194	0	446	210	70	105	76	9	10	69	9	8
WT-20-LQ-250	-2230	0	1,980	16,500	2,840	518	10,800	1,340	46	10,300	1,450	21
WT-21-LQ-010	-881	0	294	3,030	239	192	1,800	114	14	1,680	127	11
WT-21-LQ-126	366	0	2,220	2,620	354	443	1,600	114	45	1,560	116	37
WT-21-LQ-264	1,600	0	1,910	6,560	1,170	526	3,760	464	63	3,740	685	78
WT-22-LQ-006	242	0	245	216	46	66	89	7	6	84	8	5
WT-22-LQ-104	3,940	0	3,220	17,100	1,430	1,210	9,110	575	94	9,050	647	72
WT-22-LQ-272	312	0	709	750	236	307	345	52	19	366	39	24
WT-23-LQ-036	905	0	1,540	1,280	265	386	651	52	30	672	56	27
WT-23-LQ-182	441	0	412	665	89	117	308	21	10	283	21	8
WT-23-LQ-256	7	0	92	221	45	56	144	15	5	143	16	5
WT-24-LQ-004	28	0	295	2,700	214	174	1,630	100	13	1,560	114	10
WT-24-LQ-100	437	0	1,310	2,100	278	342	1,090	76	28	1,060	75	23
WT-24-LQ-268	-88	0	959	632	186	239	386	51	18	383	57	17
WT-25-LQ-089	-470	0	786	6,870	561	477	3,660	228	36	3,540	261	263
WT-25-LQ-130	-219	0	443	1,560	202	261	1,040	74	18	981	75	13
WT-25-LQ-234	243	0	419	1,930	378	252	1,090	123	20	1,030	127	18

Table C-36. ZLD Unfiltered Influent (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
WT-06-LQ-074	1,070	103	107	1,090	105	107	1,150	110	112	85	18	52	12	0	24
WT-06-LQ-148	1,220	90	25	1,240	90	25	1,280	94	25	61	6	16	117	21	51
WT-06-LQ-248	246	29	42	250	30	42	257	31	43	405	39	37	51	0	87
WT-18-LQ-071	140	31	44	142	32	44	146	33	45	84	11	20	72	45	71
WT-18-LQ-142	17	0	21	17	0	21	19	0	22	5	0	9	10	0	37
WT-19-LQ-063	766	74	60	777	75	60	802	77	62	720	53	25	393	97	134
WT-19-LQ-132	995	108	118	1000	109	118	1,040	113	122	45	16	46	196	0	283
WT-19-LQ-232	81	26	37	81	26	37	84	27	39	168	24	31	54	0	86
WT-20-LQ-067	1,260	118	90	1,390	120	90	1,430	124	92	-55	0	76	168	0	197
WT-20-LQ-138	19	0	17	19	0	17	16	0	17	-1	0	10	19	0	36
WT-20-LQ-250	1,280	100	37	1,310	102	37	1,340	104	38	1,970	317	38	142	28	74
WT-21-LQ-010	425	32	15	429	32	15	445	34	16	28	3	9	37	10	30
WT-21-LQ-126	425	61	71	421	62	71	434	64	75	-108	0	48	20	0	154
WT-21-LQ-264	712	88	75	727	90	75	746	92	77	698	120	61	-36	0	191
WT-22-LQ-006	13	4	7	14	4	7	14	5	7	6	2	4	-10	0	17
WT-22-LQ-104	889	72	106	903	73	106	931	76	108	-79	0	102	171	58	237
WT-22-LQ-272	42	25	38	43	25	38	44	26	39	80	22	25	23	0	111
WT-23-LQ-036	432	45	31	437	46	31	453	48	32	20	7	16	10	0	120
WT-23-LQ-182	95	11	12	95	11	12	99	12	12	-5	0	10	4	0	30
WT-23-LQ-256	38	10	7	41	6	7	41	6	7	39	6	6	1	0	17
WT-24-LQ-004	452	30	13	457	31	13	474	32	13	21	3	8	53	13	29
WT-24-LQ-100	178	31	39	181	31	39	186	32	40	-42	0	31	-82	0	83
WT-24-LQ-268	380	38	26	388	39	26	398	40	27	101	22	23	11	0	69
WT-25-LQ-089	615	47	37	628	48	37	644	50	38	47	9	23	9	0	108
WT-25-LQ-130	139	22	29	140	23	29	145	24	30	11	4	13	13	0	62
WT-25-LQ-234	195	27	28	199	27	28	205	28	29	210	38	25	10	0	61

Table C-36. ZLD Unfiltered Influent (Continued)

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Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross ¹ Alpha Result (pCi/l)	Gross ¹ Alpha Error (pCi/l)	Gross ¹ Alpha MDC (pCi/l)	Gross ¹ Beta Result (pCi/l)	Gross ¹ Beta Error (pCi/l)	Gross ¹ Beta MDC (pCi/l)
WT-06-LQ-074	-67	0	262	7,210	463	78	17,700	1,840	1,030	5,920	719	901
WT-06-LQ-148	-113	0	94	350	101	101	25,500	2,470	1,870	5,950	686	847
WT-06-LQ-248	-103	0	98	243	77	119	7,700	912	671	1,570	299	417
WT-18-LQ-071	21	0	102	318	88	115	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
WT-18-LQ-142	9	0	32	761	92	48	497	178	236	806	147	203
WT-19-LQ-063	-85	0	142	13,300	954	143	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
WT-19-LQ-132	9	0	307	213	155	247	2,230	571	691	2,080	312	412
WT-19-LQ-232	-37	0	19	701	109	109	2,800	385	326	1,180	160	208
WT-20-LQ-067	-186	0	286	288	139	223	16,200	1,940	1,210	6,060	746	938
WT-20-LQ-138	34	0	41	123	32	37	49,200	2,990	1,050	10,600	807	863
WT-20-LQ-250	66	0	187	529	94	134	88,000	4,300	2,040	23,400	1,060	874
WT-21-LQ-010	-35	0	52	605	60	54	6,590	881	6.37	1,610	3.05	426
WT-21-LQ-126	-34	0	157	528	136	178	6,920	912	719	2,400	349	465
WT-21-LQ-264	-183	0	249	415	140	211	18,900	1,960	1,620	4,530	649	857
WT-22-LQ-006	19	0	21	136	20	20	110	27.2	26.8	105	16.2	21.5
WT-22-LQ-104	-53	0	373	332	162	255	52,400	3,000	1,170	11,500	786	788
WT-22-LQ-272	55	0	104	234	0	174	1,240	247	280	231	133	210
WT-23-LQ-036	-38	0	105	410	101	123	-194	-48.2	-57.8	2,240	181	198
WT-23-LQ-182	8	0	39	160	26	32	1,300	417	543	535	262	410
WT-23-LQ-256	-18	0	17	153	20	19	1,120	220	218	423	134	202
WT-24-LQ-004	-1	0	49	651	57	48	3,640	705	692	1,320	3.09	448
WT-24-LQ-100	-46	0	102	220	66	89	3,380	416	266	782	156	219
WT-24-LQ-268	7	0	85	558	72	59	654	924	1,470	1,060	543	852
WT-25-LQ-089	9	0	134	269	85	127	9,270	1,480	1,200	977	528	833
WT-25-LQ-130	22	0	72	114	49	74	1,810	503	623	466	260	410
WT-25-LQ-234	-44	0	8	161	53	78	4,470	853	1,070	1,400	326	481

¹ #N/A - Gross Alpha and Gross Beta were not reported because the sample matrix was not suitable for analysis.

Table C-37. Landfill Leachate

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
LF-10-LQ-024	428	242	186	322	85	121	8	0	12	53	0	10
LF-11-LQ-025	60	0	87	109	40	60	91	0	6	4	0	6
LF-12-LQ-026	193	0	83	102	40	62	2	0	6	5	3	5
LF-13-LQ-027	126	76	75	81	33	51	2	0	4	2	3	4
LF-14-LQ-028	93	0	99	101	45	69	6	0	7	19	4	6
LF-15-LQ-029	-60	0	87	121	39	60	3	0	6	5	3	5
LF-16-LQ-030	85	0	86	114	31	44	4	0	7	4	3	4
LF-17-LQ-031	561	0	395	342	92	131	11	0	13	10	0	9
LF-18-LQ-032	10	0	329	120	73	115	14	0	13	11	0	10
LF-19-LQ-033	438	0	365	159	79	124	17	0	13	13	0	10
LF-20-LQ-034	-27	0	388	126	82	130	0.9	0	13	8	0	8
LF-21-LQ-035	4	0	107	56	53	87	7	5	7	9	5	8
LF-22-LQ-036	-1430	0	101	71	49	77	5	0	8	10	0	5
LF-23-LQ-037	-3	0	222	134	0	148	-0.4	0	15	14	0	16
LF-24-LQ-038	24	0	168	145	60	91	5	5	8	3	4	6
LF-25-LQ-039	4	0	74	79	45	71	5	0	7	6	3	5
LF-26-LQ-040	-75	0	140	14	0	146	3	0	16	7	0	17
LF-27-LQ-041	0.1	0	153	100	68	108	-0.6	0	11	14	0	11
LF-28-LQ-042	163	0	157	55	55	89	-0.3	0	9	-3	0	9
LF-29-LQ-043	328	217	153	416	88	116	6	0	12	7	0	11
LF-30-LQ-044	203	0	87	84	37	57	7	0	7	6	0	7
LF-31-LQ-045	62	0	164	150	61	94	10	0	11	9	4	5
LF-32-LQ-046	-89	0	142	112	0	78	1	0	13	5	0	8
LF-33-LQ-047	87	0	188	95	0	153	13	0	17	11	0	17
LF-34-LQ-048	66	0	168	29	0	111	9	0	12	10	0	12
LF-35-LQ-049	-232	0	167	136	60	91	-2	0	10	-2	0	10
LF-36-LQ-050	203	0	140	106	55	84	6	0	13	5	0	12
LF-37-LQ-051	-36	0	58	73	28	44	6	3	4	9	3	4

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Table C-37. Landfill Leachate (Continued)

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
LF-38-LQ-052	9,580	0	53	54	24	38	5	0	4	4	2	4
LF-39-LQ-053	12	0	123	57	0	82	1	0	9	1	0	10
LF-40-LQ-054	122	125	203	91	31	47	10	3	4	11	3	4
LF-41-LQ-055	137	0	44	65	24	38	5	0	4	4	4	4
LF-42-LQ-056	130	0	71	148	0	72	2	0	8	7	0	9
LF-43-LQ-057	450	140	98	371	50	60	1	0	6	3	0	6
LF-44-LQ-058	102	0	84	101	40	62	-1	0	6	-0.05	0	6
LF-45-LQ-059	297	0	124	47	45	73	7	0	8	3	0	8
LF-46-LQ-060	72	77	125	140	14	77	24	5	6	20	6	6
LF-47-LQ-061	70	0	94	70	44	69	6	4	6	9	4	6
LF-48-LQ-062	24	0	73	57	24	36	-1	0	4	3	2	3
LF-49-LQ-063	87	0	159	126	37	52	4	0	5	1	0	5
LF-50-LQ-064	248	0	164	85	33	48	1	0	6	7	0	6
LF-51-LQ-065	60	69	113	106	33	41	5	4	6	4	3	5

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
LF-10-LQ-024	10	0	20	10	0	20	20	0	20	11	0	9	20	0	42
LF-11-LQ-025	13	0	12	13	0	12	8	0	13	4	3	5	10	0	23
LF-12-LQ-026	4	0	6	4	0	6	2	0	11	6	3	4	16	0	19
LF-13-LQ-027	4	0	11	4	0	11	3	0	12	5	3	4	-14	0	22
LF-14-LQ-028	19	0	10	19	0	10	19	7	10	5	3	4	27	0	25
LF-15-LQ-029	6	0	10	6	0	10	4	0	12	4	3	5	14	0	21
LF-16-LQ-030	7	0	7	7	0	7	14	0	11	3	2	4	-10	0	21
LF-17-LQ-031	0.6	0	21	0.6	0	21	6	0	22	7	0	10	-11	0	41
LF-18-LQ-032	170	0	25	17	0	25	17	0	26	5	0	8	5	0	48

Table C-37. Landfill Leachate (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
LF-19-LQ-033	46	0	105	46	0	105	8	0	23	12	0	10	6	0	42
LF-20-LQ-034	94	0	110	94	0	110	25	0	25	3	0	6	-1	0	46
LF-21-LQ-035	10	7	10	10	7	10	11	7	11	4	4	7	4	0	29
LF-22-LQ-036	12	0	5	12	0	13	11	0	14	-1	0	6	16	0	26
LF-23-LQ-037	4	0	26	4	0	26	2	0	26	8	0	12	15	0	58
LF-24-LQ-038	3	0	15	3	0	15	4	0	16	3	0	9	-34	0	31
LF-25-LQ-039	4	0	12	4	0	12	8	0	12	8	0	6	8	0	23
LF-26-LQ-040	11	0	31	11	0	31	21	0	32	-2	0	12	-13	0	64
LF-27-LQ-041	-10	0	22	-10	0	22	-9	0	22	-1	0	9	-20	0	39
LF-28-LQ-042	4	0	16	4	0	16	1	0	17	3	0	9	18	0	34
LF-29-LQ-043	6	0	19	6	0	19	8	0	20	-3	0	9	28	0	41
LF-30-LQ-044	6	4	6	6	4	6	6	4	6	6	4	5	25	0	26
LF-31-LQ-045	7	6	9	8	6	9	16	0	17	4	4	6	34	0	34
LF-32-LQ-046	11	0	0	11	0	21	13	0	22	3	0	10	-4	0	42
LF-33-LQ-047	21	0	37	21	0	37	20	0	38	11	0	13	10	0	76
LF-34-LQ-048	6	0	21	6	0	21	4	0	21	15	0	9	32	0	44
LF-35-LQ-049	2	0	19	2	0	19	10	0	20	3	0	9	14	0	38
LF-36-LQ-050	22	10	13	22	10	13	23	10	13	7	0	11	-34	0	45
LF-37-LQ-051	19	5	6	19	5	6	19	5	6	5	2	4	13	0	16
LF-38-LQ-052	4	3	5	4	3	5	7	0	7	5	3	4	-6	0	13
LF-39-LQ-053	9	0	18	9	0	18	8	0	18	8	0	8	-2	0	31
LF-40-LQ-054	34	6	8	35	6	8	36	7	8	9	3	5	0.70	0	20
LF-41-LQ-055	9	3	5	9	4	5	4	0	7	4	2	3	2	0	13
LF-42-LQ-056	7	0	16	7	0	16	7	0	16	10	0	7	9	0	31
LF-43-LQ-057	7	5	8	7	5	8	11	0	11	4	3	5	-11	0	20
LF-44-LQ-058	8	0	12	8	0	12	6	0	12	6	0	6	2	0	24
LF-45-LQ-059	8	0	14	8	0	14	7	0	15	5	4	6	8	0	29
LF-46-LQ-060	15	7	10	15	7	10	16	7	10	10	4	6	12	0	25
LF-47-LQ-061	12	5	7	13	6	7	13	6	8	6	3	5	27	0	25

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Table C-37. Landfill Leachate (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
LF-48-LQ-062	5	3	5	5	3	5	-4	0	7	4	2	3	5	0	13
LF-49-LQ-063	6	0	9	6	0	9	9	0	10	6	0	9	22	0	19
LF-50-LQ-064	6	0	10	6	0	10	7	0	11	6	0	11	8	0	22
LF-51-LQ-065	9	6	8	9	6	8	10	6	9	4	3	5	7	0	22

	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
Study ID	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
LF-10-LQ-024	-19	0	8	201	51	49	-32.8	78.8	140	185	121	192
LF-11-LQ-025	7	0	4	485	51	28	-49.8	79.1	145	491	133	195
LF-12-LQ-026	-14	0	4	558	53	27	-16.6	74.5	129	440	137	205
LF-13-LQ-027	23	0	4	369	42	26	-30.3	88.1	155	284	125	193
LF-14-LQ-028	3	0	5	1,110	95	30	-7.17	98.3	167	1,110	159	209
LF-15-LQ-029	9	0	4	1,060	86	26	6.98	97.7	163	1,020	150	196
LF-16-LQ-030	21	0	3	122	24	25	-74.4	70.7	136	137	119	191
LF-17-LQ-031	17	0	8	524	78	36	37.9	80.2	126	489	141	209
LF-18-LQ-032	-10	0	7	764	100	51	-12.6	94	161	703	142	201
LF-19-LQ-033	18	0	8	1,040	112	51	112	127	193	1,200	155	198
LF-20-LQ-034	-3	0	8	615	88	54	182	98.7	129	806	150	209
LF-21-LQ-035	-9	0	6	670	70	32	159	115	162	850	147	201
LF-22-LQ-036	16	0	5	332	49	40	124	106	156	531	134	195
LF-23-LQ-037	-7	0	9	268	71	68	167	192	306	489	147	223
LF-24-LQ-038	32	0	6	477	59	35	73.3	88.3	134	489	136	201
LF-25-LQ-039	-7	0	5	175	29	22	-41.7	64.9	118	92.2	122	199
LF-26-LQ-040	58	0	9	268	76	82	-4.86	79.2	134	129	118	190
LF-27-LQ-041	-3	0	7	148	53	69	-42.1	119	205	174	127	203
LF-28-LQ-042	10	0	6	64	28	33	-156	155	277	-60.7	130	221

Table C-37. Landfill Leachate (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
LF-29-LQ-043	-19	0	8	181	49	48	-4.67	70.2	119	198	126	200
LF-30-LQ-044	21	0	4	551	59	31	-62.1	200	342	412	146	225
LF-31-LQ-045	6	0	6	282	44	34	-42.2	119	206	190	127	203
LF-32-LQ-046	-11	0	5	127	40	41	-45.4	68.9	125	101	116	189
LF-33-LQ-047	-4	0	10	573	108	97	28.6	90.3	146	667	142	202
LF-34-LQ-048	21	0	7	423	74	59	62.6	85.7	157	401	128	191
LF-35-LQ-049	-5	0	6	758	90	35	254	171	254	728	145	204
LF-36-LQ-050	4	0	6	471	74	46	-25.6	209	353	466	148	225
LF-37-LQ-051	4	2	3	503	42	14	191	213	341	845	158	225
LF-38-LQ-052	2	0	3	249	27	17	83.2	100	152	550	139	202
LF-39-LQ-053	4	0	5	222	49	30	0	88.9	149	140	120	194
LF-40-LQ-054	15	0	21	505	45	20	-78.3	74.3	143	239	127	200
LF-41-LQ-055	4	2	3	383	34	14	-125	81.8	164	286	126	196
LF-42-LQ-056	-18	0	5	38	0	54	-17.6	78.9	137	384	138	210
LF-43-LQ-057	23	4	4	110	24	26	-125	58	128	-46.3	117	199
LF-44-LQ-058	6	0	4	629	61	27	-142	105	206	365	131	199
LF-45-LQ-059	-5	0	5	480	57	32	4.77	66.7	111	150	129	208
LF-46-LQ-060	13	0	25	354	41	26	52.9	295	486	194	254	416
LF-47-LQ-061	6	0	21	131	27	24	4.75	72.7	121	130	125	202
LF-48-LQ-062	-9	0	3	354	33	16	49.7	114	181	284	133	207
LF-49-LQ-063	8	10	16	209	29	23	-125	181	316	78.5	140	232
LF-50-LQ-064	6	0	19	128	24	22	-8.77	65.5	112	-15.3	119	201
LF-51-LQ-065	26	0	22	49	18	24	-4.45	66.9	113	-19.7	119	202

Table C-38. Select Landfill Effluent Leachate

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
LF-01-LQ-002	645	250	359	378	96	132	5	0	12	4	0	12
LF-02-LQ-003	92	0	165	136	75	120	51	8	10	49	8	9
LF-03-LQ-008	-228	0	224	13	0	140	2	0	13	8	0	14
LF-04-LQ-009	157	0	84	118	35	53	0.4	0	5	2	2	3
LF-07-LQ-004	192	0	181	96	83	134	2	0	17	-3	0	15
LF-09-LQ-005	211	0	77	83	0	41	1	0	5	3	0	5
LF-09-LQ-021	160	0	85	117	36	55	168	3	4	7	3	5

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
LF-01-LQ-002	-4	0	20	-4	0	20	-0.4	0	21	2	0	10	2	0	10
LF-02-LQ-003	92	14	15	84	15	18	10	16	16	11	3	6	11	3	6
LF-03-LQ-008	16	9	10	16	9	10	16	9	11	17	9	11	17	9	11
LF-04-LQ-009	5	0	6	5	0	6	9	0	8	5	0	5	5	0	5
LF-07-LQ-004	17	0	35	17	0	35	0.7	0	35	10	6	10	10	6	10
LF-09-LQ-005	-1	0	8	-1	0	8	-1	0	98	7	0	5	-26	0	30
LF-09-LQ-021	15	4	7	15	5	7	16	5	7	4	2	4	4	2	4

Table C-38. Select Landfill Effluent Leachate (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross ¹ Alpha Result (pCi/l)	Gross ¹ Alpha Error (pCi/l)	Gross ¹ Alpha MDC (pCi/l)	Gross ¹ Beta Result (pCi/l)	Gross ¹ Beta Error (pCi/l)	Gross ¹ Beta MDC (pCi/l)
LF-01-LQ-002	23	6	9	-12	0	72	-0.235	2.03	3.46	0.346	1.22	2.07
LF-02-LQ-003	-31	0	7	637	71	34	-0.021	60.4	110	304	106	160
LF-03-LQ-008	18	0	9	221	68	73	43.9	167	275	174	127	202
LF-04-LQ-009	-4	0	4	64	14	17	-218	120	253	-292	223	395
LF-07-LQ-004	8	0	9	353	84	80	-9.49	70.8	121	221	126	199
LF-09-LQ-005	0	2	3	155	30	24	-200	175	314	-70.9	136	233
LF-09-LQ-021	-10	0	4	165	25	21	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A

¹ #N/A - Gross Alpha and Gross Beta were not reported because the sample matrix was not suitable for analysis.

Table C-39. Select Landfill Influent Leachate

Study ID	Uranium Series											
	U-238 Result (pCi/l)	U-238 Error (pCi/l)	U-238 MDC (pCi/l)	Ra-226 Result (pCi/l)	Ra-226 Error (pCi/l)	Ra-226 MDC (pCi/l)	Pb-214 Result (pCi/l)	Pb-214 Error (pCi/l)	Pb-214 MDC (pCi/l)	Bi-214 Result (pCi/l)	Bi-214 Error (pCi/l)	Bi-214 MDC (pCi/l)
LF-01-LQ-019	420	0	387	72	85	139	4	0	11	2	0	10
LF-02-LQ-020	-3	0	309	92	0	120	9	0	13	4	0	12
LF-03-LQ-015	-129	0	117	116	54	84	4	4	7	3	0	8
LF-04-LQ-016	347	0	138	92	57	91	-3	0	9	4	0	6
LF-05-LQ-023	-33	0	167	115	0	53	10	0	12	5	0	12
LF-06-LQ-010	141	107	86	85	15	56	0.5	0	6	2	0	5
LF-07-LQ-011	134	0	78	94	0	97	6	0	7	4	4	5
LF-08-LQ-017	-1040	0	56	70	29	47	4	2	4	5	2	3
LF-09-LQ-012	-6	0	79	95	0	61	6	0	7	8	0	6

Study ID	Thorium Series														
	Th-232 Result (pCi/l)	Th-232 Error (pCi/l)	Th-232 MDC (pCi/l)	Ra-228 Result (pCi/l)	Ra-228 Error (pCi/l)	Ra-228 MDC (pCi/l)	Ac-228 Result (pCi/l)	Ac-228 Error (pCi/l)	Ac-228 MDC (pCi/l)	Pb-212 Result (pCi/l)	Pb-212 Error (pCi/l)	Pb-212 MDC (pCi/l)	Bi-212 Result (pCi/l)	Bi-212 Error (pCi/l)	Bi-212 MDC (pCi/l)
LF-01-LQ-019	-1	0	21	-1	0	21	0.9	0	22	6	0	10	9	0	42
LF-02-LQ-020	14	9	14	15	10	14	15	10	14	7	5	8	19	0	49
LF-03-LQ-015	2	0	14	2	0	14	4	0	14	6	3	6	14	0	32
LF-04-LQ-016	9	0	15	9	0	15	10	0	16	4	4	6	15	0	31
LF-05-LQ-023	11	0	6	11	0	20	14	0	21	5	0	9	2	0	41
LF-06-LQ-010	7	5	8	7	5	8	7	5	8	4	2	4	-4	0	19
LF-07-LQ-011	6	5	8	6	5	8	6	5	8	7	3	5	7	0	5
LF-08-LQ-017	8	4	6	9	4	6	9	4	6	7	2	3	-1	0	2
LF-09-LQ-012	7	0	9	7	6	9	7	6	9	6	3	4	12	0	21

Table C-39. Select Landfill Influent Leachate (Continued)

Study ID	Uranium-235, Potassium-40, Gross Alpha and Gross Beta											
	U-235 Result (pCi/l)	U-235 Error (pCi/l)	U-235 MDC (pCi/l)	K-40 Result (pCi/l)	K-40 Error (pCi/l)	K-40 MDC (pCi/l)	Gross Alpha Result (pCi/l)	Gross Alpha Error (pCi/l)	Gross Alpha MDC (pCi/l)	Gross Beta Result (pCi/l)	Gross Beta Error (pCi/l)	Gross Beta MDC (pCi/l)
LF-01-LQ-019	23	0	9	236	55	53	15	12.6	18.3	117	8.97	9.64
LF-02-LQ-020	3	0	8	755	101	61	-58.9	114	201	524	113	161
LF-03-LQ-015	-17	0	6	246	41	28	6.57	101	168	197	128	203
LF-04-LQ-016	27	0	6	571	65	30	10.5	81.3	134	416	133	200
LF-05-LQ-023	-8	0	7	182	48	45	-223	179	323	-157	134	233
LF-06-LQ-010	7	0	4	351	37	2	-48.9	89.7	160	259	122	191
LF-07-LQ-011	-2	0	5	278	40	30	-32	116	200	192	126	200
LF-08-LQ-017	47	0	3	743	63	21	-203	201	357	280	148	235
LF-09-LQ-012	2	0	4	242	33	23	-20.7	114	195	118	123	200

Table C-40. Select Landfill Solids, Filter Cake

Uranium Series												
Study ID	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
LF-02-SL-002	1.18	0	1.40	8.73	1.12	1.55	6.65	0.432	0.075	6.06	0.497	0.073
LF-03-SL-004	-1.32	0	11.1	53	4.23	3.07	43.3	2.82	0.294	38.7	2.92	0.242
LF-04-SL-005	0.741	0	0.731	11.1	0.84	0.527	8.88	0.586	0.041	8.17	0.67	0.037

Thorium Series															
Study ID	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 Error (pCi/g)
LF-02-SL-002	4.87	0.359	0.086	4.98	0.367	0.086	5.10	0.376	0.088	1.44	0.098	0.041	1.14	0.203	0.267
LF-03-SL-004	4.93	0.49	0.50	5.03	4.23	3.07	5.16	0.513	0.415	0.53	0.066	0.012	0.655	0.228	0.706
LF-04-SL-005	1.50	0.128	0.051	1.53	0.131	0.051	1.57	0.134	0.053	0.286	0.022	0.027	0.289	0.053	0.117

Uranium-235 and Potassium-40						
Study ID	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
LF-02-SL-002	0.086	0	0.216	4.83	0.441	0.345
LF-03-SL-004	-1.05	0	0.948	2.72	0.795	1.21
LF-04-SL-005	-0.051	0	0.132	2.73	0.246	0.208

Table C-41. Select Landfill Solids, Sediment

Uranium Series												
Study ID	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
LF-01-SL-001	-0.316	0	2.51	4.46	0.479	0.556	2.46	0.173	0.051	2.32	0.171	0.063
LF-02-SL-003	-1.80	0	0.671	2.82	0.29	0.241	1.50	0.257	0.021	1.38	0.116	0.021
LF-04-SL-006	0.666	0.531	0.868	3.44	0.42	0.436	2.24	0.375	0.044	2.18	0.156	0.046

Thorium Series															
Study ID	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 Error (pCi/g)
LF-01-SL-001	2.48	0.174	0.068	2.53	0.178	0.068	2.59	0.182	0.069	1.95	0.136	0.029	1.34	0.174	0.205
LF-02-SL-003	1.41	0.105	0.031	1.44	0.107	0.031	1.48	0.109	0.031	1.48	0.109	0.013	0.626	0.081	0.086
LF-04-SL-006	0.96	0.084	0.076	0.979	0.086	0.076	1.01	0.089	0.078	0.816	0.112	0.025	0.423	0.092	0.133

Uranium-235 and Potassium-40						
Study ID	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
LF-01-SL-001	0.177	0	0.176	15.2	1.10	0.279
LF-02-SL-003	0.006	0	0.069	12.8	0.907	0.12
LF-04-SL-006	0.049	0	0.128	10	0.718	0.239

Table C-42. Landfill Bulking Solids

Uranium Series												
Study ID	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
LF-18-SL-018	-0.147	0	1.51	1.44	0.513	3.69	7.22	1.54	0.059	6.38	0.684	0.038
LF-18-SL-019	1.61	0.759	1.23	0.389	0.407	2.02	2.11	0.153	0.034	1.98	0.134	0.035

Thorium Series															
Study ID	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
LF-18-SL-018	3.57	0.968	0.06	3.69	1	0.06	3.74	1.01	0.061	2.27	0.458	0.091	0.753	0.108	0.14
LF-18-SL-019	1.95	0.143	0.048	2.02	0.148	0.048	2.04	0.15	0.048	0.984	0.08	0.039	0.977	0.117	0.145

Uranium-235 and Potassium-40						
Study ID	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
LF-18-SL-018	0.074	0	0.153	15	5.89	0.379
LF-18-SL-019	0.061	0.055	0.089	21.7	1.56	0.163

Table C-43. Following Sludge Loads

		Uranium Series											
Status	Study ID	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
Post	WT-01-SL-091	-8.01	0	9.46	305	31.9	2.72	257	22.1	0.551	262	30.9	0.242
Pre	WT-01-SL-090	-35.9	0	8.99	256	23.4	2.75	215	18.1	0.346	190	19.5	0.23
Post	WT-08-SL-088	0.973	0	1.18	41.1	3.03	0.907	31.7	2.15	0.077	28.7	3.50	0.069
Pre	WT-08-SL-089	-2.14	0	3.38	15.7	1.23	1	12	0.878	0.092	12.1	1.89	0.087
Post	WT-21-SL-092	1.65	0	2.82	214	15.5	2.26	179	12.1	0.195	162	19.8	0.136
Pre	WT-21-SL-093	-11.9	0	9.20	212	18.5	2.82	175	14	0.256	157	15.5	0.211

		Thorium Series													
Study ID	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 Error (pCi/g)
WT-01-SL-091	149	14.2	0.45	154	14.6	0.45	156	14.8	0.456	69.4	7.20	0.439	21.7	1.86	1.06
WT-01-SL-090	128	9.10	0.448	132	9.39	0.446	134	9.52	0.454	20.6	1.90	0.322	18.8	1.28	1.09
WT-08-SL-088	3.37	0.268	0.097	3.45	0.274	0.097	3.46	0.251	0.099	6.57	0.473	0.084	0.813	0.108	0.198
WT-08-SL-089	2.38	0.135	0.184	2.44	0.138	0.184	2.50	0.141	0.188	3.32	0.232	0.102	0.932	0.124	0.268
WT-21-SL-092	42.7	3.30	0.278	43.6	3.37	0.278	44.8	3.45	0.285	44.8	3.45	0.263	8.33	0.836	0.616
WT-21-SL-093	39.7	2.89	0.389	40.5	2.95	0.389	41.5	3.03	0.399	42.4	3.65	0.797	7.75	0.762	0.797

	Uranium-235 and Potassium-40					
Study ID	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
WT-01-SL-091	0.811	0.684	1.10	13.1	1.72	2.37
WT-01-SL-090	2.64	0.506	0.871	12	1.23	1.49
WT-08-SL-088	-0.227	0	0.228	-0.962	0	0.553
WT-08-SL-089	0.012	0	0.257	17.4	0.642	0.486
WT-21-SL-092	-0.505	0	0.569	12.5	1.06	0.966
WT-21-SL-093	-0.880	0	0.801	10.3	1.01	1.13

Table C-44. Road Biased Soil

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
BR-01-SL-001	0.905	0.412	0.665	2.57	0.281	0.234	1.36	0.114	0.026	1.30	0.135	0.023
BR-04-SL-010	1.08	0.45	0.723	2.03	0.297	0.388	0.959	0.075	0.029	0.872	0.085	0.032
BR-04-SL-011	-0.821	0	2.75	1.51	0.125	0.36	0.991	0.089	0.058	0.985	0.166	0.07
BR-05-SL-009	0.792	0.44	0.714	2.12	0.269	0.338	1.03	0.767	0.031	0.932	0.125	0.029
BR-06-SL-004	-0.66	0	1.54	2.05	0.245	0.246	0.891	0.085	0.049	0.858	0.097	0.045
BR-12-SL-005	0.602	0	1.96	1.81	0.379	0.565	1.02	0.086	0.045	1.03	0.168	0.047
BR-14-SL-013	0.985	0.888	1.45	2.98	0.472	0.598	1.90	0.169	0.063	1.82	0.196	0.054
BR-15-SL-014	1.63	0	1.58	2.55	0.40	0.542	1.31	0.102	0.043	1.22	0.091	0.043
BR-17-SL-016	0.821	0.372	0.901	2.22	0.295	0.385	1.17	0.084	0.029	1.07	0.133	0.026
BR-19-SL-018	1.11	0.733	1.19	1.44	0.306	0.413	0.598	0.060	0.035	0.587	0.077	0.034
BR-21-SL-020	1.27	0.574	0.927	4.57	0.495	0.407	2.86	0.243	0.036	2.69	0.279	0.029
BR-23-SL-022	1.81	0.577	0.914	4.38	0.507	0.318	2.32	0.202	0.029	2.18	0.259	0.027
BR-24-SL-023	0.978	0.632	1.03	4.22	0.596	0.643	2.85	0.247	0.029	2.67	0.317	0.028
BR-25-SL-024	1.19	0.368	0.588	6.96	0.548	0.302	4.89	0.343	0.028	4.48	0.586	0.025
BR-28-SL-027	1.50	0.557	0.545	3.07	0.599	0.35	2.02	0.432	0.035	1.74	0.191	0.03
BR-29-SL-028	1.52	0.598	0.959	2.50	0.297	0.29	1.20	0.104	0.03	1.15	0.122	0.029
BR-31-SL-030	0.378	0	0.599	1.93	0.229	0.223	0.84	0.073	0.022	0.822	0.087	0.019
BR-33-SL-032	0.624	0.184	0.292	1.53	0.147	0.143	0.82	0.059	0.013	0.751	0.099	0.012
BR-34-SL-033	0.605	0.34	0.544	1.22	0.248	0.168	0.648	0.139	0.018	0.564	0.062	0.02
BR-35-SL-034	0.949	0	0.64	1.65	0.19	0.221	0.867	0.064	0.018	0.811	0.056	0.017
BR-37-SL-036	0.79	0.196	0.307	1.75	0.162	0.149	0.842	0.061	0.014	0.771	0.101	0.012
BR-39-SL-038	0.161	0	0.912	1.14	0.152	0.202	0.638	0.050	0.019	0.625	0.10	0.022
BR-40-SL-039	0.93	0.375	0.601	0.036	0.035	0.057	0.458	0.039	0.015	0.507	0.052	0.011
BR-42-SL-040	0.562	0.124	0.192	1.35	0.134	0.143	0.626	0.044	0.012	0.561	0.07	0.011
BR-43-SL-041	0.419	0.344	0.563	1.18	0.231	0.269	0.635	0.086	0.03	0.613	0.112	0.027
BR-44-SL-042	0.931	0.203	0.315	1.95	0.181	0.171	0.909	0.065	0.016	0.830	0.109	0.015
BR-45-SL-043	0.55	0.44	0.72	0.056	0.043	0.07	0.59	0.05	0.022	0.763	0.077	0.013
BR-47-SL-045	1.39	0.119	0.283	0.97	0.103	0.118	0.481	0.034	0.009	0.443	0.055	0.009
BR-48-SL-046	-0.184	0	1.02	1.45	0.196	0.266	0.716	0.056	0.023	0.725	0.116	0.027
BR-49-SL-047	0.696	0.376	0.612	1.30	0.225	0.224	0.595	0.081	0.027	0.547	0.10	0.025
BR-50-SL-048	0.865	0.359	0.574	1.99	0.245	0.291	1.02	0.077	0.026	0.949	0.127	0.023

Table C-44. Road Biased Soil (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
BR-01-SL-001	1.08	0.081	0.028	1.09	0.812	0.032	1.13	0.085	0.032	1.40	0.13	0.028	0.626	0.053	0.07
BR-04-SL-010	1.31	0.117	0.059	1.33	0.119	0.059	1.37	0.122	0.061	1.62	0.131	0.037	0.809	0.103	0.11
BR-04-SL-011	1.49	0.123	0.148	1.51	0.125	0.148	1.56	0.129	0.152	1.56	0.129	0.084	0.912	0.224	0.340
BR-05-SL-009	1.43	0.13	0.041	1.43	0.132	0.041	1.50	0.136	0.042	1.73	0.130	0.042	0.857	0.124	0.131
BR-06-SL-004	1.16	0.107	0.074	1.18	0.108	0.074	1.22	0.112	0.077	1.22	0.112	0.048	0.72	0.116	0.151
BR-12-SL-005	1.14	0.09	0.102	1.16	0.092	0.102	1.19	0.095	0.105	0.987	0.079	0.058	0.605	0.126	0.18
BR-14-SL-013	1.15	0.116	0.097	1.17	0.118	0.097	1.21	0.121	0.10	1.57	0.152	0.065	0.708	0.134	0.182
BR-15-SL-014	1.16	0.106	0.075	1.18	0.108	0.075	1.22	0.111	0.075	1.51	0.122	0.051	0.651	0.116	0.154
BR-17-SL-016	1.29	0.108	0.042	1.45	0.121	0.042	1.35	0.113	0.039	1.59	0.118	0.036	0.763	0.107	0.108
BR-19-SL-018	0.746	0.105	0.077	0.76	0.107	0.077	0.781	0.11	0.111	0.926	0.103	0.05	0.565	0.11	0.139
BR-21-SL-020	0.882	0.07	0.046	0.901	0.071	0.046	0.923	0.073	0.047	1.16	0.11	0.039	0.463	0.049	0.105
BR-23-SL-022	1.26	0.126	0.04	1.29	0.129	0.04	1.32	0.132	0.041	1.60	0.17	0.05	0.737	0.098	0.11
BR-24-SL-023	1.48	0.146	0.041	1.51	0.149	0.041	1.55	0.153	0.042	1.79	0.168	0.041	0.748	0.079	0.082
BR-25-SL-024	1.81	0.157	0.035	1.85	0.161	0.033	1.89	0.165	0.036	2.07	0.153	0.044	0.76	0.085	0.068
BR-28-SL-027	0.711	0.195	0.03	0.727	0.199	0.03	0.744	0.204	0.03	0.675	0.134	0.016	0.426	0.061	0.071
BR-29-SL-028	1.04	0.088	0.057	1.06	0.09	0.057	1.08	0.092	0.058	1.37	0.129	0.036	0.762	0.211	0.103
BR-31-SL-030	0.771	0.061	0.03	0.789	0.062	0.032	0.807	0.063	0.03	0.971	0.091	0.024	0.492	0.064	0.080
BR-33-SL-032	0.701	0.063	0.016	0.717	0.064	0.016	0.734	0.065	0.017	0.846	0.064	0.023	0.412	0.054	0.050
BR-34-SL-033	0.581	0.158	0.025	0.595	0.162	0.025	0.609	0.165	0.026	0.764	0.153	0.024	0.405	0.066	0.065
BR-35-SL-034	0.798	0.06	0.023	0.817	0.062	0.023	0.835	0.063	0.024	0.909	0.072	0.021	0.484	0.057	0.067
BR-37-SL-036	0.768	0.068	0.017	0.787	0.07	0.017	0.804	0.072	0.018	0.917	0.069	0.019	0.471	0.058	0.048
BR-39-SL-038	0.67	0.038	0.044	0.687	0.039	0.044	0.701	0.04	0.045	0.704	0.051	0.029	0.37	0.055	0.078
BR-40-SL-039	0.616	0.048	0.016	0.632	0.049	0.016	0.645	0.05	0.017	0.213	0.021	0.014	0.386	0.044	0.048
BR-42-SL-040	0.664	0.053	0.014	0.681	0.055	0.014	0.695	0.056	0.015	0.782	0.057	0.013	0.386	0.049	0.045
BR-43-SL-041	0.684	0.067	0.052	0.702	0.07	0.052	0.717	0.071	0.053	0.875	0.124	0.025	0.423	0.085	0.122
BR-44-SL-042	1.11	0.097	0.021	1.12	0.098	0.021	1.16	0.102	0.022	1.38	0.102	0.025	0.714	0.077	0.042
BR-45-SL-043	0.863	0.067	0.03	0.872	0.069	0.03	0.904	0.071	0.031	0.21	0.022	0.018	0.586	0.052	0.047
BR-47-SL-045	0.45	0.037	0.012	0.455	0.037	0.012	0.471	0.039	0.012	0.559	0.041	0.012	0.277	0.012	0.037
BR-48-SL-046	0.773	0.035	0.036	0.78	0.035	0.036	0.809	0.037	0.037	0.864	0.062	0.033	0.479	0.076	0.112
BR-49-SL-047	0.577	0.059	0.049	0.582	0.06	0.049	0.604	0.062	0.051	0.685	0.098	0.023	0.376	0.076	0.109
BR-50-SL-048	0.515	0.058	0.041	0.52	0.058	0.041	0.539	0.06	0.043	0.688	0.057	0.037	0.259	0.065	0.088

Table C-44. Road Biased Soil (Continued)

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
BR-01-SL-001	0.061	0.047	0.075	10.6	0.723	0.099
BR-04-SL-010	0.033	0	0.107	21.4	1.45	0.165
BR-04-SL-011	0.11	0	0.212	29.4	1.03	0.386
BR-05-SL-009	0.117	0	0.104	24.8	1.71	0.139
BR-06-SL-004	0.100	0.094	0.152	21.7	1.52	0.207
BR-12-SL-005	0.039	0	0.157	7	0.401	0.257
BR-14-SL-013	0.103	0.113	0.183	13.2	0.977	0.247
BR-15-SL-014	0.107	0	0.15	12.5	0.964	0.225
BR-17-SL-016	0.069	0.052	0.083	17.6	1.24	0.125
BR-19-SL-018	0.065	0	0.114	10.9	0.823	0.16
BR-21-SL-020	0.079	0	0.127	5.61	0.416	0.164
BR-23-SL-022	0.083	0.069	0.11	13	0.909	0.148
BR-24-SL-023	0.061	0.064	0.103	16.9	1.17	0.138
BR-25-SL-024	0.055	0.058	0.093	16.3	0.112	0.13
BR-28-SL-027	0.074	0.028	0.068	11.4	4.480	0.198
BR-29-SL-028	-0.017	0	0.096	20.1	1.37	0.141
BR-31-SL-030	0.094	0	0.07	8.84	0.612	0.10
BR-33-SL-032	0.042	0.029	0.045	7.35	0.508	0.06
BR-34-SL-033	-0.003	0	0.051	11.3	4.43	0.135
BR-35-SL-034	0.071	0.041	0.065	7.21	0.529	0.084
BR-37-SL-036	0.036	0.03	0.048	8.92	0.614	0.062
BR-39-SL-038	-0.003	0	0.071	6.85	0.242	0.111
BR-40-SL-039	0.029	0.027	0.044	7.22	0.505	0.066
BR-42-SL-040	0.042	0.027	0.042	7.49	0.523	0.05
BR-43-SL-041	0.10	0.055	0.084	8.39	0.596	0.145
BR-44-SL-042	0.037	0.034	0.055	19.1	1.30	0.072
BR-45-SL-043	0.051	0.032	0.051	15	1.03	0.085
BR-47-SL-045	0.035	0.022	0.035	6.10	0.426	0.041
BR-48-SL-046	0.061	0.044	0.071	12.3	0.37	0.128
BR-49-SL-047	0.102	0	0.076	7.96	0.566	0.139
BR-50-SL-048	0.055	0	0.091	5.40	0.414	0.115

Table C-45. Reference Background Road

Study ID	Uranium Series											
	U-238 Result (pCi/g)	U-238 Error (pCi/g)	U-238 MDC (pCi/g)	Ra-226 Result (pCi/g)	Ra-226 Error (pCi/g)	Ra-226 MDC (pCi/g)	Pb-214 Result (pCi/g)	Pb-214 Error (pCi/g)	Pb-214 MDC (pCi/g)	Bi-214 Result (pCi/g)	Bi-214 Error (pCi/g)	Bi-214 MDC (pCi/g)
BR-02-SL-002	0.887	0.999	1.64	3.07	0.439	0.513	1.69	0.15	0.054	1.69	0.15	0.045
BR-07-SL-008	0.381	0	1.58	2.38	0.39	0.538	1.05	0.084	0.043	0.965	0.075	0.042
BR-13-SL-006	1.04	0.664	1.08	6.09	0.62	0.573	3.81	0.281	0.05	3.59	0.331	0.052
BR-16-SL-015	0.85	0.943	1.55	2.24	0.312	0.369	1.09	0.094	0.039	0.967	0.10	0.031
BR-18-SL-017	0.64	0.463	0.753	0.828	0.208	0.27	0.479	0.067	0.027	0.445	0.087	0.039
BR-20-SL-019	-0.125	0	3.14	63.0	4.89	1.24	51	3.61	0.098	48.4	3.15	0.066
BR-22-SL-021	0.486	0	1.99	16.1	2.94	0.662	14.2	3.03	0.076	12.7	1.37	0.066
BR-26-SL-025	0.827	0.563	0.919	4.25	0.386	0.317	3.01	0.215	0.025	2.85	0.188	0.024
BR-27-SL-026	0.643	0.483	0.514	4.10	0.433	0.334	2.83	0.239	0.031	2.70	0.28	0.028
BR-30-SL-029	1.61	0.482	0.76	2.86	0.281	0.268	1.55	0.112	0.022	1.45	0.098	0.021
BR-32-SL-031	0.684	0.524	0.854	1.69	0.343	0.241	1.11	0.237	0.03	0.94	0.103	0.025
BR-36-SL-035	0.825	0.339	0.544	1.41	0.181	0.197	0.64	0.057	0.019	0.609	0.065	0.016
BR-38-SL-037	12.7	0.891	0.527	1.55	0.151	0.126	0.784	0.059	0.017	0.711	0.066	0.014
BR-46-SL-044	8.04	0.53	0.218	1.13	0	0.141	0.523	0.04	0.011	0.468	0.044	0.009

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)	Bi-212 Error (pCi/g)
BR-02-SL-002	1.38	0.134	0.113	1.41	0.137	0.113	1.45	0.141	0.116	1.70	0.164	0.064	0.826	0.16	0.224
BR-07-SL-008	1.28	0.114	0.079	1.30	0.115	0.079	1.34	0.119	0.082	1.66	0.133	0.051	0.874	0.14	0.187
BR-13-SL-006	3.26	0.268	0.066	3.32	0.273	0.066	3.43	0.281	0.071	2.03	0.166	0.057	0.885	0.097	0.146
BR-16-SL-015	1.28	0.104	0.046	1.30	0.106	0.046	1.34	0.109	0.047	1.58	0.141	0.047	0.778	0.109	0.131
BR-18-SL-017	0.392	0.066	0.078	0.399	0.067	0.078	0.41	0.069	0.080	0.509	0.076	0.031	0.244	0.098	0.149
BR-20-SL-019	11	0.769	0.121	11.2	0.786	0.121	11.5	0.805	0.124	10.5	0.80	0.109	1.53	0.134	0.259
BR-22-SL-021	2.93	0.796	0.083	2.99	0.814	0.083	3.06	0.833	0.085	3.47	0.695	0.078	0.765	0.116	0.178
BR-26-SL-025	1.05	0.078	0.032	1.08	0.08	0.032	1.10	0.081	0.032	1.12	0.088	0.030	0.414	0.041	0.068

Table C-45. Reference Background Road (Continued)

Study ID	Thorium Series														
	Th-232 Result (pCi/g)	Th-232 Error (pCi/g)	Th-232 MDC (pCi/g)	Ra-228 Result (pCi/g)	Ra-228 Error (pCi/g)	Ra-228 MDC (pCi/g)	Ac-228 Result (pCi/g)	Ac-228 Error (pCi/g)	Ac-228 MDC (pCi/g)	Pb-212 Result (pCi/g)	Pb-212 Error (pCi/g)	Pb-212 MDC (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Result (pCi/g)	Bi-212 Error (pCi/g)
BR-27-SL-026	0.838	0.065	0.041	0.857	0.066	0.041	0.877	0.068	0.042	0.982	0.094	0.034	0.331	0.038	0.089
BR-30-SL-029	0.543	0.044	0.029	0.556	0.045	0.029	0.568	0.046	0.029	0.778	0.063	0.025	0.307	0.034	0.063
BR-32-SL-031	0.709	0.194	0.038	0.725	0.199	0.038	0.742	0.203	0.039	1.07	0.213	0.031	0.433	0.077	0.089
BR-36-SL-035	0.637	0.053	0.028	0.653	0.054	0.028	0.667	0.055	0.028	0.788	0.075	0.021	0.376	0.054	0.069
BR-38-SL-037	0.752	0.062	0.018	0.772	0.064	0.018	0.788	0.066	0.019	0.890	0.072	0.017	0.441	0.052	0.053
BR-46-SL-044	0.392	0.033	0.012	0.396	0.034	0.012	0.41	0.035	0.013	0.513	0.042	0.013	0.249	0.024	0.026

Study ID	Uranium-235 and Potassium-40					
	U-235 Result (pCi/g)	U-235 Error (pCi/g)	U-235 MDC (pCi/g)	K-40 Result (pCi/g)	K-40 Error (pCi/g)	K-40 MDC (pCi/g)
BR-02-SL-002	-0.035	0	0.223	13.6	0.997	0.251
BR-07-SL-008	0.106	0	0.149	23.1	1.71	0.231
BR-13-SL-006	0.078	0	0.165	18.1	1.24	0.253
BR-16-SL-015	-0.004	0	0.161	12	0.872	0.168
BR-18-SL-017	-0.032	0	0.131	6.14	0.521	0.238
BR-20-SL-019	-0.355	0	0.322	9.32	0.736	0.471
BR-22-SL-021	-0.085	0	0.197	20.7	8.10	0.495
BR-26-SL-025	0.007	0	0.085	6.07	0.451	0.117
BR-27-SL-026	0.056	0.043	0.069	4.87	0.354	0.118
BR-30-SL-029	0.044	0.036	0.058	6.68	0.497	0.102
BR-32-SL-031	0.031	0.017	0.05	13	5.07	0.165
BR-36-SL-035	0.04	0.031	0.05	7.18	0.50	0.082
BR-38-SL-037	0.03	0.027	0.044	8.73	0.588	0.081
BR-46-SL-044	0.077	0	0.04	4.44	0.302	0.051