

APPENDIX J

RADIONUCLIDE EVALUATION FIGURES AND TABLES



TECHNICAL MEMORANDUM

To: Bruce Thompson, *de maximis, inc.*

From: Heath Downey, MACTEC

Date: September 26, 2005

Subject: **Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Introduction

This Technical Memorandum presents the evaluation of radionuclides in soil, sediment, surface water and groundwater samples collected during the Fall 2004 sampling program at the Nuclear Metals, Inc. (NMI) Superfund Site (the Site) located at 2229 Main Street (Route 62) in Concord, Massachusetts. This memorandum includes information regarding the uranium profile, thorium profile, an evaluation for any other radionuclides to be considered, and an evaluation of the analytical methods.

Previous activities at the Site have included work with natural uranium, enriched uranium, thorium, and primarily depleted uranium (DU). This review evaluates analytical results from the Fall 2004 Remedial Investigation (RI) sampling program to determine the mixture of radionuclides present in environmental media at the Site. This information will assist in the evaluation of nature and extent of radiological contaminants of concern and provide an initial set of radionuclide data for risk assessment. An additional review of radiological data from the Spring 2005 RI sampling program will be performed once validation of the data set has been completed.

Uranium Assessment

Uranium is a naturally occurring metal comprised of three radionuclides: U-234, U-235, and U-238. In natural uranium, U-234 and U-238 are approximately equal in terms of radioactivity (but not in mass) and U-235 is a small fraction of the total radioactivity. If uranium is processed as part of the uranium fuel cycle, the ratios of these isotopes will change and is typically identified as enriched (increased concentrations of U-234 and U-235) or depleted (decreased concentrations of U-234 and U-235). When analyzed by mass spectroscopy, typically only U-235 and U-238 can be identified due to the very small mass of U-234 relative to the U-235 and U-238. When analyzed by alpha spectroscopy, all three isotopes can be identified.

During the Fall 2004 RI sampling program, all soil, sediment, surface water, and ground water samples were analyzed for uranium by inductively coupled plasma mass spectroscopy (ICP/MS) and a subset of these samples were also analyzed by alpha spectroscopy. Uranium enrichment (percentage by mass of U-235) was calculated for samples that had U-235 detected (i.e., no "U" qualified results). Many of the samples analyzed by alpha spectroscopy did not have U-235 detected (i.e., "U" qualified) so enrichment could not be directly calculated. However, most samples did have detectable concentrations of U-234 and U-238 and the ratio of these two isotopes

can be used as a surrogate measure of enrichment. If the ratio of U-234 to U-238 radioactivity is approximately 1, it indicates natural uranium. If the ratio of U-234 to U-238 radioactivity is less than 1, it indicates DU.

The results of the mass spectroscopy analyses were evaluated in three groups: soil and sediment samples, groundwater samples, and surface water samples. The surface water samples from the Fall 2004 RI sampling program had detectable levels of uranium in three locations - SWRI06001000, SWRI06002000, and SWRI06003000. These locations are along the southwest edge of the bog, which is closest to the buildings and former holding basin. Results for these locations indicated DU by both mass and alpha spectroscopy with concentrations up to 30 µg/L. The groundwater samples from the Fall 2004 RI sampling program had a combination of natural and depleted uranium enrichment levels at low concentrations (less than 50 µg/L). At activity levels above 50 µg/L, the uranium was identified as DU. A scatter plot displaying the distribution of uranium enrichment in the groundwater samples by mass spectroscopy is shown in Figure 1. Sample analysis results for surface water and groundwater samples are provided in Table 1 and Table 2 respectively.

In the Fall 2004 RI Sampling program, direct-push groundwater samples were collected in order to define the potential region of impacted groundwater which in turn was used to determine locations for installation of new monitoring wells. Most of these samples were grab samples and required fast turnaround of analytical results in order to facilitate this dynamic process such that the new monitoring wells could be installed during this program. Uranium was only analyzed by ICP/MS during this investigation since it provided results more quickly than alpha spectroscopy can provide due to the chemistry associated with the analytical techniques. Therefore, only ICP/MS data is available for groundwater as part of this evaluation.

In the Spring 2005 RI field program, a comprehensive groundwater sampling program was performed and these samples will have ICP/MS results for all samples and alpha spectroscopy results for a small subset of samples for comparison.

Only a limited number of surface water samples were collected during the Fall 2004 RI sampling program, and the majority of the samples were collected as part of the Spring 2005 RI sampling program. Consequently, only a limited evaluation of groundwater and surface water is presented in this review and a comprehensive evaluation will be provided following validation of the Spring 2005 RI analytical data.

Soil and sediment samples from the Fall 2004 RI sampling program analyzed by mass spectroscopy displayed results similar to the groundwater. At low concentrations, there was a mixture of natural and depleted uranium. At increased concentrations (about 30 mg/kg) analytical results indicates that uranium is primarily DU. There are two anomalies to this trend in the soil samples – sample SBRI11008004 indicates natural uranium at a concentration of 360 mg/kg, and sample SBRI01021001 shows slight enrichment (1.1%) at a concentration of 10mg/kg. Sample SBRI11008004 represents a composite sample across the 4-8 foot depth of a boring in between the tank house and Building E. The sample from the 0-4 foot interval above SBRI11008004 had results of 63 mg/kg at 0.26% enrichment and a neighboring sample location (SBRI11007) had results of 13 mg/kg at 0.26% enrichment for the 0-4 foot sample interval and 3,360 mg/kg at 0.21% enrichment for the 4-8 foot interval. Sample SBRI01021001 is from the 1 foot interval of a boring in the northwest corner of the Holding Basin area of investigation. Samples from intervals above and below SBRI01021001 had similar concentrations (13.3 and 6.7 mg/kg) and enrichment values

of 0.36% and 0.72%. These anomalies are more likely to demonstrate variation in sampling and analytical results rather than actual enrichments. A scatter plot displaying the distribution of uranium enrichment in the soil and sediment samples by mass spectroscopy is shown in Figure 2. Sample analysis results for soil and sediment samples are provided in Table 3.

The results of the alpha spectroscopy analyses were evaluated in soils and sediments. No separate evaluation was performed for groundwater and surface water due to the limited amount of data and small number of samples with detectable concentrations of U-235. In addition, groundwater samples from the Fall 2004 sampling program were not analyzed by alpha spectroscopy, and similar to the mass spectroscopy results surface water samples, had no detectable quantities of uranium. The soil and sediment samples that had alpha spectroscopy analyses were evaluated for enrichment by using the ratio of U-234 to U-238 (surrogate measurement). The results are analogous to the mass spectroscopy results where there is a mixture of natural and depleted uranium at low concentrations and a gradual trend to only DU at higher concentrations. A scatter plot displaying the distribution of uranium enrichment in the soil and sediment samples by alpha spectroscopy is shown in Figure 3. Sample analysis results for surface water samples are provided in Table 1 and results for soil and sediment samples are provided in Table 3.

Both the mass spectroscopy and alpha spectroscopy results corroborate that the uranium profile of the Site is natural uranium mixed with DU; with DU becoming more prevalent at higher concentrations. Since uranium is a naturally occurring metal, the mixture of natural and depleted uranium at low concentrations is not unexpected. Because of the difficulty of distinguishing between natural and DU at low concentrations, the evaluation of nature and extent of uranium contamination at the Site should use total uranium as an indicator and not enrichment. It is recommended that DU be considered the primary mixture of uranium for any samples with elevated uranium concentrations.

Thorium Assessment

Thorium is a naturally occurring metal comprised of only Th-232. Th-228 is a daughter product of Th-232, and Th-230, is produced as part of the radioactive decay of uranium. When analyzed by mass spectroscopy, only Th-232 can be quantified due to the very small mass of the other thorium isotopes. When analyzed by alpha spectroscopy, all three isotopes can be identified.

During the Fall 2004 RI sampling program, all samples were analyzed for thorium by mass spectroscopy, and a subset of these samples was also analyzed by alpha spectroscopy. The surface water samples from the Fall 2004 RI sampling program did not have any detectable levels of thorium, and no analyses for thorium in the groundwater (either mass or alpha spectroscopy) were performed. The ratio of the parent isotope (Th-232 or U-238) to the decay progeny (Th-228 or Th-230) will be the thorium assessment. If the parent isotope and decay progeny are in equilibrium (activity ratio of 1), then only the parent isotope will need to be evaluated. This assessment was performed with the alpha spectroscopy results. Sample analysis results for surface water samples are provided in Table 4 and results for soil and sediment samples are provided in Table 5.

The evaluation of natural thorium, Th-232 with its decay progeny, Th-228, is shown in Figure 4. The scatter plot indicates that the Th-232 and Th-228 concentrations are approximately equal as the data points tend to follow the line across the chart. The scattered distribution along the line is expected due to uncertainty in the laboratory measurements and the low concentrations of thorium in the samples.

The evaluation of thorium from the decay of uranium, U-238 with its decay progeny, Th-230, is shown in Figure 5. The scatter plot indicates that the U-238 concentrations are much higher than Th-230 at increased U-238 activity levels. Th-230 activity levels remain fairly constant at concentrations consistent with U-238 from natural uranium. This indicates that the Th-230 is a primarily a product of the naturally occurring uranium at the site, and that Th-230 has not reached equilibrium with U-238 from DU at the site as a result of NMI activities.

The results of the thorium evaluation indicate that natural thorium, Th-232, is the primary isotope of concern. Th-228 concentrations can be calculated from Th-232 concentrations. Th-230 appears to be naturally occurring, and can be calculated from the site background level of natural uranium. The evaluation of nature and extent of NMI contamination should only use Th-232 as an indicator since the other thorium isotopes are either represented by parent isotopes or are natural.

Other Radionuclides

Although uranium and thorium are the primary radionuclides of concern at the Site, there is some potential for other radionuclides to be included as part of the mixture. Some small amounts of reactor-produced radionuclides might have been included in some of the uranium processed at the Site. The radionuclides that would be indicators of this include Americium 241, Cesium 137, Cobalt 60, Curium 243/244, Curium 245/246, Neptunium 237, Neptunium 239, Plutonium 238, Plutonium 239/240, Plutonium 241, Plutonium 242, Strontium 90, and Technetium 99. Due to the difficulty and expense of analyzing for all these radionuclides, a subset of nine samples was evaluated for these indicator isotopes. This included soil and sediment samples SBRI01001018, SBRI01002008, SBRI01003043, SBRI01004053, SBRI01005038, SBRI01006019, SDRI06005000, SDRI06009000, and TSRI02B01008. Sample analysis results for these radionuclides are provided in Table 6.

None of these radionuclides were detected in any of the samples except for one: cesium 137 at SDRI06009000. The result for this sample, 0.859 pCi/g, is close to the laboratory's reporting limit of 0.5 pCi/g. In all likelihood, this result is a measure of fallout from nuclear weapons testing. It has been well documented that small concentrations of cesium 137 can be found in undisturbed surface soils or sediments due to deposition from fallout. Therefore none of these other radionuclides should be included in the selection of site radionuclides of concern and uranium and thorium are the only radionuclides of concern in the evaluation of nature and extent of contamination.

Analytical Methods Evaluation

The last section of this review presents a comparison of the different analytical methods (mass spectroscopy and alpha spectroscopy) used for uranium and thorium. The basic approach for the Fall 2004 RI sampling program was to use mass spectroscopy for all samples and to supplement the results with alpha spectroscopy. Alpha spectroscopy provides quantification of some radionuclides that can not easily be evaluated by mass spectroscopy (radionuclides that are present in very low concentrations by mass, but have much higher levels of radiation). The basis for this approach was that mass spectroscopy provides lower detection limits, faster analysis times, and better quality data for uranium and thorium.

A study was performed by the University of Pittsburgh for the Department of Defense that evaluated laboratory capabilities for analyzing uranium in urine by assessing the accuracy and reproducibility of measurements of total uranium and isotopic uranium. The results of this study revealed considerable difficulty in correctly reporting U-235 to U-238 ratios that are commonly used for identifying whether the uranium was depleted, natural or enriched. This was because of erratic performance in measuring U-235. One of the recommendations from this study was to discontinue the use of alpha spectroscopy to measure U-235 and the U-235/U-238 ratio because the method lacks the sensitivity to accurately measure the U-235 at low concentrations.

A comparison of the analytical results from these two methods for uranium with the Fall 2004 RI sampling program data is shown in Figure 6. This chart shows that alpha spectroscopy tends to report higher concentrations for samples that were analyzed by both methods as seen by the shift of the data points to the right side of the line, especially for low concentration samples where greater analytical variability is expected.

A similar trend is observed when the comparison is made for thorium, as shown in Figure 7. Overall, this bias between the two methods is not unexpected as the concentration in the samples is low, and the detection limit and uncertainty in alpha spectroscopy is not as low as in mass spectroscopy.

Based upon the results of the study by the University of Pittsburgh and this radiological review, the use of mass spectroscopy as the analytical method for future samples is recommended.

TABLES

**TABLE 1
URANIUM IN SURFACE WATER**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method Fraction param_name Field Sample Id	6020 Total Uranium-235				6020 Dissolved Uranium-235 as Mass				6020 Total Uranium-235 as Mass				6020 Dissolved Uranium-238 as Mass			
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom
SWRI06001000	0.029		0.07	UG/L	0.027		0.07	UG/L	0.029		0.07	UG/L	9.3		0.2	UG/L
SWRI06002000	0.074		0.07	UG/L	0.069		0.07	UG/L	0.074		0.07	UG/L	29.3		0.2	UG/L
SWRI06003000	0.089		0.07	UG/L	0.085		0.07	UG/L	0.089		0.07	UG/L	15.6		0.2	UG/L
SWRI06003000DUP	0.087		0.07	UG/L	0.086		0.07	UG/L	0.087		0.07	UG/L	16.1		0.2	UG/L
SWRI17001000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI17002000					0.001	U	0.07	UG/L	0.003		0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI17003000					0.001	U	0.07	UG/L	0.001		0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI17004000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.005	UJ	0.2	UG/L
SWRI17005000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.006	UJ	0.2	UG/L
SWRI17006000					0.001		0.07	UG/L	0.001	U	0.07	UG/L	0.026	UJ	0.2	UG/L
SWRI17007000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.009	UJ	0.2	UG/L
SWRI17008000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI17009000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.013	UJ	0.2	UG/L
SWRI17009000DUP					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI17010000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI17026000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI17027000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI17028000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI17029000					0.001	U	0.07	UG/L	0.001		0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI17030000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI18002000					0.001		0.07	UG/L	0.002	U	0.07	UG/L	0.27		0.2	UG/L
SWRI18003000					0.001	U	0.07	UG/L	0.003	U	0.07	UG/L	0.11		0.2	UG/L
SWRI18008000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI18009000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI18010000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI18011000	0.001		0.07	UG/L	0.001	U	0.07	UG/L	0.001		0.07	UG/L	0.026	U	0.2	UG/L
SWRI18012000	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.036	U	0.2	UG/L
SWRI18013000	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.036	U	0.2	UG/L
SWRI18014000	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.034	U	0.2	UG/L
SWRI18015000					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI18015000DUP					0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.003	UJ	0.2	UG/L
SWRI18016000	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.03	U	0.2	UG/L
SWRI18017000	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.032	U	0.2	UG/L
SWRI18018000	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.035	U	0.2	UG/L
SWRI18019000	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.028	U	0.2	UG/L
SWRI18020000	0.001		0.07	UG/L	0.001	U	0.07	UG/L	0.001		0.07	UG/L	0.03	U	0.2	UG/L
SWRI18021000	0.001		0.07	UG/L	0.001	U	0.07	UG/L	0.001		0.07	UG/L	0.027	U	0.2	UG/L
SWRI18022000	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.001	U	0.07	UG/L	0.03	U	0.2	UG/L

**TABLE 1
URANIUM IN SURFACE WATER**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method Fraction param_name Field Sample Id	6020 Total Uranium-238 as Mass				6020 Dissolved Uranium				6020 Total Uranium				6020 Dissolved Uranium-235, Enrichment - Uncorrected			
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom
SWRI06001000	9.6		0.2	UG/L	9.3		0.2	UG/L	9.7		0.2	UG/L	0.28948	U		PERCENT
SWRI06002000	31.1		0.2	UG/L	29.4		0.2	UG/L	31.2		0.2	UG/L	0.23494	U		PERCENT
SWRI06003000	16		0.2	UG/L	15.7		0.2	UG/L	16.1		0.2	UG/L	0.54192	U		PERCENT
SWRI06003000DUP	15.6		0.2	UG/L	16.2		0.2	UG/L	15.7		0.2	UG/L	0.53132	U		PERCENT
SWRI17001000	0.015	U	0.2	UG/L	0.003	UJ	0.2	UG/L	0.015	U	0.2	UG/L	0	NC		PERCENT
SWRI17002000	0.52		0.2	UG/L	0.003	UJ	0.2	UG/L	0.52		0.2	UG/L	0	NC		PERCENT
SWRI17003000	0.13	U	0.2	UG/L	0.003	UJ	0.2	UG/L	0.13	U	0.2	UG/L	0	NC		PERCENT
SWRI17004000	0.047	UJ	0.2	UG/L	0.005	UJ	0.2	UG/L	0.047	UJ	0.2	UG/L	0	NC		PERCENT
SWRI17005000	0.02	UJ	0.2	UG/L	0.006	UJ	0.2	UG/L	0.02	UJ	0.2	UG/L	0	NC		PERCENT
SWRI17006000	0.003	UJ	0.2	UG/L	0.027	UJ	0.2	UG/L	0.003	UJ	0.2	UG/L	3.7037	U		PERCENT
SWRI17007000	0.017	UJ	0.2	UG/L	0.009	UJ	0.2	UG/L	0.017	UJ	0.2	UG/L	0	NC		PERCENT
SWRI17008000	0.015	UJ	0.2	UG/L	0.003	UJ	0.2	UG/L	0.015	UJ	0.2	UG/L	0	NC		PERCENT
SWRI17009000	0.026	UJ	0.2	UG/L	0.013	UJ	0.2	UG/L	0.026	UJ	0.2	UG/L	0	NC		PERCENT
SWRI17009000DUP	0.019	UJ	0.2	UG/L	0.003	UJ	0.2	UG/L	0.019	UJ	0.2	UG/L	0	NC		PERCENT
SWRI17010000	0.007	U	0.2	UG/L	0.003	UJ	0.2	UG/L	0.007	U	0.2	UG/L	0	NC		PERCENT
SWRI17026000	0.013	UJ	0.2	UG/L	0.003	UJ	0.2	UG/L	0.013	UJ	0.2	UG/L	0	NC		PERCENT
SWRI17027000	0.018	UJ	0.2	UG/L	0.003	UJ	0.2	UG/L	0.018	UJ	0.2	UG/L	0	NC		PERCENT
SWRI17028000	0.014	UJ	0.2	UG/L	0.003	UJ	0.2	UG/L	0.014	UJ	0.2	UG/L	0	NC		PERCENT
SWRI17029000	0.014	UJ	0.2	UG/L	0.003	UJ	0.2	UG/L	0.015	UJ	0.2	UG/L	0	NC		PERCENT
SWRI17030000	0.024	UJ	0.2	UG/L	0.003	UJ	0.2	UG/L	0.024	UJ	0.2	UG/L	0	NC		PERCENT
SWRI18002000	0.37	UJ	0.2	UG/L	0.27		0.2	UG/L	0.37	UJ	0.2	UG/L	0.369	U		PERCENT
SWRI18003000	0.66	UJ	0.2	UG/L	0.11		0.2	UG/L	0.66	UJ	0.2	UG/L	0	NC		PERCENT
SWRI18008000	0.004	U	0.2	UG/L	0.003	UJ	0.2	UG/L	0.004	U	0.2	UG/L	0	NC		PERCENT
SWRI18009000	0.006	U	0.2	UG/L	0.003	UJ	0.2	UG/L	0.006	U	0.2	UG/L	0	NC		PERCENT
SWRI18010000	0.007	U	0.2	UG/L	0.003	UJ	0.2	UG/L	0.007	U	0.2	UG/L	0	NC		PERCENT
SWRI18011000	0.096		0.2	UG/L	0.026	U	0.2	UG/L	0.097		0.2	UG/L	0	NC		PERCENT
SWRI18012000	0.039	U	0.2	UG/L	0.036	U	0.2	UG/L	0.039	U	0.2	UG/L	0	NC		PERCENT
SWRI18013000	0.038	U	0.2	UG/L	0.036	U	0.2	UG/L	0.038	U	0.2	UG/L	0	NC		PERCENT
SWRI18014000	0.039	U	0.2	UG/L	0.034	U	0.2	UG/L	0.039	U	0.2	UG/L	0	NC		PERCENT
SWRI18015000	0.015	U	0.2	UG/L	0.003	UJ	0.2	UG/L	0.015	U	0.2	UG/L	0	NC		PERCENT
SWRI18015000DUP	0.01	U	0.2	UG/L	0.003	UJ	0.2	UG/L	0.01	U	0.2	UG/L	0	NC		PERCENT
SWRI18016000	0.033	U	0.2	UG/L	0.03	U	0.2	UG/L	0.033	U	0.2	UG/L	0	NC		PERCENT
SWRI18017000	0.038	U	0.2	UG/L	0.032	U	0.2	UG/L	0.038	U	0.2	UG/L	0	NC		PERCENT
SWRI18018000	0.042	U	0.2	UG/L	0.035	U	0.2	UG/L	0.042	U	0.2	UG/L	0	NC		PERCENT
SWRI18019000	0.037	U	0.2	UG/L	0.028	U	0.2	UG/L	0.037	U	0.2	UG/L	0	NC		PERCENT
SWRI18020000	0.037	U	0.2	UG/L	0.03	U	0.2	UG/L	0.038	U	0.2	UG/L	0	NC		PERCENT
SWRI18021000	0.044	U	0.2	UG/L	0.027	U	0.2	UG/L	0.045	U	0.2	UG/L	0	NC		PERCENT
SWRI18022000	0.067		0.2	UG/L	0.03	U	0.2	UG/L	0.067		0.2	UG/L	0	NC		PERCENT

**TABLE 1
URANIUM IN SURFACE WATER**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method Fraction param_name Field Sample Id	6020 Total Uranium-235, Enrichment - Uncorrected				DOE EML HASL-300, U-02-RC Modified Total Uranium-234					DOE EML HASL-300, U-02-RC Modified Total Uranium-235				
	result	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SWRI06001000	0.30117	U		PERCENT										
SWRI06002000	0.23738	U		PERCENT	2.86	0.694		0.318	PCI/L	0.174	0.175	U	0.244	PCI/L
SWRI06003000	0.55317	U		PERCENT	4.4	0.583		0.127	PCI/L	0.253	0.115		0.111	PCI/L
SWRI06003000DUP	0.5546	U		PERCENT	4.14	0.527		0.0834	PCI/L	0.218	0.0957		0.064	PCI/L
SWRI17001000	0	NC		PERCENT	0.0118	0.0472	U	0.115	PCI/L	-0.0129	0.0307	U	0.0978	PCI/L
SWRI17002000	0.57361	U		PERCENT	0.158	0.0926	J	0.12	PCI/L	0.0434	0.0428	J	0.0325	PCI/L
SWRI17003000	0.76336	U		PERCENT	0.164	0.166	U	0.279	PCI/L	0.0984	0.0643	U	0.0984	PCI/L
SWRI17004000	0	NC		PERCENT	0.0466	0.0923	U	0.21	PCI/L	0.0418	0.0786	U	0.171	PCI/L
SWRI17005000	0	NC		PERCENT	0.0804	0.159	U	0.362	PCI/L	0.0247	0.0984	U	0.295	PCI/L
SWRI17006000	0	NC		PERCENT	0.0969	0.116	U	0.206	PCI/L	0.0412	0.0774	U	0.169	PCI/L
SWRI17007000	0	NC		PERCENT	0.045	0.104	U	0.248	PCI/L	-0.0221	0.0651	U	0.213	PCI/L
SWRI17008000	0	NC		PERCENT	0.0227	0.0994	U	0.266	PCI/L	0.137	0.128	U	0.152	PCI/L
SWRI17009000	0	NC		PERCENT	0.124	0.143	U	0.259	PCI/L	-0.0146	0.0203	U	0.189	PCI/L
SWRI17009000DUP	0	NC		PERCENT	0.02	0.134	U	0.359	PCI/L	0.0928	0.135	U	0.268	PCI/L
SWRI17010000	0	NC		PERCENT	0.0305	0.103	U	0.266	PCI/L	0.0156	0.0621	U	0.187	PCI/L
SWRI17026000	0	NC		PERCENT	0.0445	0.117	U	0.284	PCI/L	-0.0284	0.0643	U	0.223	PCI/L
SWRI17027000	0	NC		PERCENT	0.0691	0.106	U	0.211	PCI/L	0.0567	0.0909	U	0.17	PCI/L
SWRI17028000	0	NC		PERCENT	0.135	0.132	U	0.202	PCI/L	0.154	0.131	J	0.142	PCI/L
SWRI17029000	6.66667	U		PERCENT	0.12	0.127	U	0.168	PCI/L	0.102	0.0664	U	0.102	PCI/L
SWRI17030000	0	NC		PERCENT	0.126	0.151	U	0.269	PCI/L	-0.00846	0.0166	U	0.186	PCI/L
SWRI18002000	0	NC		PERCENT	0.144	0.149	U	0.5	PCI/L	0.0318	0.0626	U	0.5	PCI/L
SWRI18003000	0	NC		PERCENT	0.0634	0.0945	U	0.5	PCI/L	-0.0109	0.0372	U	0.5	PCI/L
SWRI18008000	0	NC		PERCENT										
SWRI18009000	0	NC		PERCENT										
SWRI18010000	0	NC		PERCENT										
SWRI18011000	1.03093	U		PERCENT	0.0433	0.0661	U	0.129	PCI/L	0.0793	0.0717	U	0.102	PCI/L
SWRI18012000	0	NC		PERCENT										
SWRI18013000	0	NC		PERCENT										
SWRI18014000	0	NC		PERCENT										
SWRI18015000	0	NC		PERCENT	-0.0929	0.111	U	0.285	PCI/L	0.0511	0.0669	U	0.123	PCI/L
SWRI18015000DUP	0	NC		PERCENT	0.161	0.0983	J	0.119	PCI/L	0.0395	0.0258	U	0.0395	PCI/L
SWRI18016000	0	NC		PERCENT										
SWRI18017000	0	NC		PERCENT										
SWRI18018000	0	NC		PERCENT										
SWRI18019000	0	NC		PERCENT										
SWRI18020000	2.63158	U		PERCENT	0.0957	0.0787	U	0.115	PCI/L	-0.00013	0.0307	U	0.0978	PCI/L
SWRI18021000	2.22222	U		PERCENT										
SWRI18022000	0	NC		PERCENT										

**TABLE 1
URANIUM IN SURFACE WATER**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method Fraction param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Total Uranium-238					DOE EML HASL-300, U-02-RC Modified Total Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Total Uranium, Calculated Total Mass - Alpha			
	result	TPU	qual.	MDC	uom	result	qual.	uom	result	TPU	qual.	uom
SWRI06001000												
SWRI06002000	13.5	1.86	J	0.318	PCI/L	0	NC	PERCENT	40.2356	5.5330		MG/L
SWRI06003000	5.69	0.705		0.0831	PCI/L	0.34449	U	PERCENT	17.0422	2.0976		MG/L
SWRI06003000DUP	5.32	0.634		0.0287	PCI/L	0.31757	U	PERCENT	15.9254	1.8863		MG/L
SWRI17001000	0.0539	0.0541	U	0.0757	PCI/L	0	NC	PERCENT	0.1544	0.1615	U	MG/L
SWRI17002000	0.0406	0.0532	U	0.0981	PCI/L	7.67298	U	PERCENT	0.1409	0.1595		MG/L
SWRI17003000	0.063	0.109	U	0.233	PCI/L	0	NC	PERCENT	0.2329	0.3256	U	MG/L
SWRI17004000	0.0394	0.074	U	0.161	PCI/L	0	NC	PERCENT	0.1365	0.2231	U	MG/L
SWRI17005000	0.191	0.201	U	0.31	PCI/L	0	NC	PERCENT	0.5796	0.5996	U	MG/L
SWRI17006000	0.0327	0.0738	U	0.177	PCI/L	0	NC	PERCENT	0.1163	0.2224	U	MG/L
SWRI17007000	0.103	0.131	U	0.248	PCI/L	0	NC	PERCENT	0.2962	0.3908	U	MG/L
SWRI17008000	0.0951	0.108	U	0.168	PCI/L	0	NC	PERCENT	0.3462	0.3266	U	MG/L
SWRI17009000	0.016	0.086	U	0.246	PCI/L	0	NC	PERCENT	0.0409	0.2560	U	MG/L
SWRI17009000DUP	0.0337	0.114	U	0.294	PCI/L	0	NC	PERCENT	0.1432	0.3448	U	MG/L
SWRI17010000	0.0575	0.0997	U	0.213	PCI/L	0	NC	PERCENT	0.1782	0.2979	U	MG/L
SWRI17026000	0.0378	0.117	U	0.294	PCI/L	0	NC	PERCENT	0.0993	0.3493	U	MG/L
SWRI17027000	0.00849	0.0643	U	0.211	PCI/L	0	NC	PERCENT	0.0515	0.1958	U	MG/L
SWRI17028000	0.0267	0.0525	U	0.0802	PCI/L	30.95907	U	PERCENT	0.1507	0.1675		MG/L
SWRI17029000	-0.00765	0.0643	U	0.168	PCI/L	0	NC	PERCENT	0.0244	0.1937	U	MG/L
SWRI17030000	-0.0239	0.0272	U	0.23	PCI/L	0	NC	PERCENT	-0.0750	0.0813	U	MG/L
SWRI18002000	0.338	0.212	U	0.5	PCI/L	0	NC	PERCENT	1.0201	0.6312	U	MG/L
SWRI18003000	0.144	0.101	U	0.5	PCI/L	0	NC	PERCENT	0.4233	0.3009	U	MG/L
SWRI18008000												
SWRI18009000												
SWRI18010000												
SWRI18011000	0.00604	0.0406	U	0.109	PCI/L	0	NC	PERCENT	0.0547	0.1252	U	MG/L
SWRI18012000												
SWRI18013000												
SWRI18014000												
SWRI18015000	0.0178	0.0544	U	0.125	PCI/L	0	NC	PERCENT	0.0766	0.1647	U	MG/L
SWRI18015000DUP	0.105	0.0802	U	0.108	PCI/L	0	NC	PERCENT	0.3306	0.2388		MG/L
SWRI18016000												
SWRI18017000												
SWRI18018000												
SWRI18019000												
SWRI18020000	0.0478	0.0554	U	0.092	PCI/L	0	NC	PERCENT	0.1421	0.1654	U	MG/L
SWRI18021000												
SWRI18022000												

**TABLE 2
URANIUM IN GROUNDWATER**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Dissolved Uranium-235 as Mass				6020 Total Uranium-235 as Mass				6020 Dissolved Uranium-238 as Mass				6020 Total Uranium-238 as Mass				6020 Dissolved Uranium			
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom
GWRI16001048	0.003	J		UG/L					0.299			UG/L					0.302			UG/L
GWRI16001053	0.07			UG/L					34.3			UG/L					34.3			UG/L
GWRI16001058	0.089		0.07	UG/L					44.8		0.2	UG/L					44.9		0.27	UG/L
GWRI16001063	0.186		0.07	UG/L					91.7		0.2	UG/L					91.9		0.27	UG/L
GWRI16001068	0.021	J	0.07	UG/L					8.77		0.2	UG/L					8.79		0.27	UG/L
GWRI16002048	0.01	J	0.07	UG/L					2.1		0.2	UG/L					2.11		0.27	UG/L
GWRI16002053	0.004	J	0.07	UG/L					0.708		0.2	UG/L					0.712		0.27	UG/L
GWRI16002058	0.006	J	0.07	UG/L					0.902		0.2	UG/L					0.908		0.27	UG/L
GWRI16002066	0.003	J	0.07	UG/L					0.459		0.2	UG/L					0.462		0.27	UG/L
GWRI16002069	0.01	J	0.07	UG/L					1.71		0.2	UG/L					1.72		0.27	UG/L
GWRI16003052	0.003	J	0.07	UG/L					0.601		0.2	UG/L					0.604		0.27	UG/L
GWRI16003058	4.04		0.07	UG/L					2080		0.2	UG/L					2090		0.27	UG/L
GWRI16003063	0.079		0.07	UG/L					36.4		0.2	UG/L					36.4		0.27	UG/L
GWRI16003068	0.038	J	0.07	UG/L					17.1		0.2	UG/L					17.2		0.27	UG/L
GWRI16003073	0.07		0.07	UG/L					31		0.2	UG/L					31.1		0.27	UG/L
GWRI16003078	0.026	J	0.07	UG/L					11.4		0.2	UG/L					11.4		0.27	UG/L
GWRI16004058	0.02	J	0.07	UG/L					6.61		0.2	UG/L					6.63		0.27	UG/L
GWRI16004063	0.012	J	0.07	UG/L					4.13		0.2	UG/L					4.14		0.27	UG/L
GWRI16004068	0.013	J	0.07	UG/L					3.44		0.2	UG/L					3.45		0.27	UG/L
GWRI16004073	0.012	J	0.07	UG/L					2.84		0.2	UG/L					2.85		0.27	UG/L
GWRI16004078	0.037	J	0.07	UG/L					6.09		0.2	UG/L					6.12		0.27	UG/L
GWRI16004083	0.031	J	0.07	UG/L					8.06		0.2	UG/L					8.09		0.27	UG/L
GWRI16004088	0.008	J	0.07	UG/L					1.93		0.2	UG/L					1.94		0.27	UG/L
GWRI16004093	0.004	J	0.07	UG/L					1.31		0.2	UG/L					1.32		0.27	UG/L
GWRI16005058	0.116		0.07	UG/L					22.3		0.2	UG/L					22.4		0.27	UG/L
GWRI16005063	0.034	J	0.07	UG/L					8.38		0.2	UG/L					8.41		0.27	UG/L
GWRI16005073	0.016	J	0.07	UG/L					3.95		0.2	UG/L					3.97		0.27	UG/L
GWRI16005078	0.008	J	0.07	UG/L					2.45		0.2	UG/L					2.46		0.27	UG/L
GWRI16005083	0.024	J	0.07	UG/L					4.74		0.2	UG/L					4.77		0.27	UG/L
GWRI16006058	0.037	J	0.07	UG/L					11.1		0.2	UG/L					11.1		0.27	UG/L
GWRI16006063	0.102		0.07	UG/L					45.8		0.2	UG/L					45.9		0.27	UG/L
GWRI16006068	0.011	J	0.07	UG/L					4.26		0.2	UG/L					4.27		0.27	UG/L
GWRI16006073	0.007	J	0.07	UG/L					2.77		0.2	UG/L					2.78		0.27	UG/L
GWRI16006078	0.007	J	0.07	UG/L					2.19		0.2	UG/L					2.2		0.27	UG/L
GWRI16006083	0.008	J	0.07	UG/L					2.84		0.2	UG/L					2.85		0.27	UG/L
GWRI16007062	0.004	J	0.07	UG/L					1.31		0.2	UG/L					1.31		0.2	UG/L
GWRI16007067	0.003	U	0.07	UG/L					0.736		0.2	UG/L					0.738		0.2	UG/L
GWRI16007072	0.007	J	0.07	UG/L					1.46		0.2	UG/L					1.47		0.2	UG/L
GWRI16008063	0.003	J	0.07	UG/L					0.984		0.2	UG/L					0.987		0.2	UG/L
GWRI16008068	0.003	U	0.07	UG/L					0.647		0.2	UG/L					0.649		0.2	UG/L
GWRI16008073	0.317		0.07	UG/L					50.2		0.2	UG/L					50.5		0.2	UG/L
GWRI16009064	0.172		0.07	UG/L					80.6		0.2	UG/L					80.7		0.2	UG/L
GWRI16009069	1.13		0.07	UG/L					496		0.2	UG/L					497		0.2	UG/L
GWRI16009074	5.93		0.07	UG/L					2610		0.2	UG/L					2620		0.2	UG/L
GWRI16016032	0.005	J	0.07	UG/L					1.54		0.2	UG/L					1.54		0.2	UG/L
GWRI16016037	0.049	J	0.07	UG/L					11.6		0.2	UG/L					11.6		0.2	UG/L
GWRI16016042	0.027	J	0.07	UG/L					4.37		0.2	UG/L					4.4		0.2	UG/L
HB12102804CB					10.2		0.07	UG/L					4740		0.2	UG/L				
MW8A102804CB					1.2		0.07	UG/L					508		0.2	UG/L				

**TABLE 2
URANIUM IN GROUNDWATER**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Total Uranium				6020 Dissolved Uranium-235, Enrichment - Uncorrected				6020 Total Uranium-235, Enrichment - Uncorrected			
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom
GWR116001048					0.993			PERCENT				
GWR116001053					0.204			PERCENT				
GWR116001058					0.198			PERCENT				
GWR116001063					0.202			PERCENT				
GWR116001068					0.239			PERCENT				
GWR116002048					0.474			PERCENT				
GWR116002053					0.562			PERCENT				
GWR116002058					0.661			PERCENT				
GWR116002066					0.649			PERCENT				
GWR116002069					0.581			PERCENT				
GWR116003052					0.497			PERCENT				
GWR116003058					0.193			PERCENT				
GWR116003063					0.217			PERCENT				
GWR116003068					0.221			PERCENT				
GWR116003073					0.225			PERCENT				
GWR116003078					0.228			PERCENT				
GWR116004058					0.302			PERCENT				
GWR116004063					0.290			PERCENT				
GWR116004068					0.377			PERCENT				
GWR116004073					0.421			PERCENT				
GWR116004078					0.605			PERCENT				
GWR116004083					0.383			PERCENT				
GWR116004088					0.412			PERCENT				
GWR116004093					0.303			PERCENT				
GWR116005058					0.518			PERCENT				
GWR116005063					0.404			PERCENT				
GWR116005073					0.403			PERCENT				
GWR116005078					0.325			PERCENT				
GWR116005083					0.503			PERCENT				
GWR116006058					0.333			PERCENT				
GWR116006063					0.222			PERCENT				
GWR116006068					0.258			PERCENT				
GWR116006073					0.252			PERCENT				
GWR116006078					0.318			PERCENT				
GWR116006083					0.281			PERCENT				
GWR116007062					0.305			PERCENT				
GWR116007067					0.407			PERCENT				
GWR116007072					0.476			PERCENT				
GWR116008063					0.304			PERCENT				
GWR116008068					0.462			PERCENT				
GWR116008073					0.628			PERCENT				
GWR116009064					0.213			PERCENT				
GWR116009069					0.227			PERCENT				
GWR116009074					0.226			PERCENT				
GWR116016032					0.325			PERCENT				
GWR116016037					0.422			PERCENT				
GWR116016042					0.614			PERCENT				
HB12102804CB	4750		0.2	UG/L					0.215			PERCENT
MW8A102804CB	509		0.2	UG/L					0.236			PERCENT

TABLE 3
URANIUM IN SEDIMENT AND SOIL

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SDRI06001000	0.068		0.0213	MG/KG	18.4		0.0609	MG/KG	18.4		0.0609	MG/KG	0.3682	U	PERCENT
SDRI06001001	0.027		0.0215	MG/KG	7.2		0.0614	MG/KG	7.2		0.0614	MG/KG	0.3736	U	PERCENT
SDRI06001002	0.011		0.0198	MG/KG	2.7		0.0567	MG/KG	2.7		0.0567	MG/KG	0.40575	U	PERCENT
SDRI06005000	0.061		0.0194	MG/KG	24.6		0.0555	MG/KG	24.7		0.0555	MG/KG	0.24735	U	PERCENT
SDRI06005001	0.075		0.0168	MG/KG	322		0.0479	MG/KG	322		0.0479	MG/KG	0.02329	U	PERCENT
SDRI06005002	0.058		0.0158	MG/KG	98.9		0.0453	MG/KG	99		0.0453	MG/KG	0.05861	U	PERCENT
SDRI06009000	2.6		0.173	MG/KG	4550	J	0.494	MG/KG	4550	J	0.494	MG/KG	0.05711	U	PERCENT
SDRI06009001	0.17	J	0.0286	MG/KG	26.1	J	0.0816	MG/KG	26.2	J	0.0816	MG/KG	0.64713	U	PERCENT
SDRI06009001DUP	0.44	J	0.0497	MG/KG	490	J	0.142	MG/KG	491	J	0.142	MG/KG	0.08972	U	PERCENT
SDRI06009002	0.028		0.02	MG/KG	4.5		0.0572	MG/KG	4.5		0.0572	MG/KG	0.61837	U	PERCENT
SDRI09001000	0.012		0.0168	MG/KG	2.8		0.0479	MG/KG	2.8		0.000718	MG/KG	0.42674	U	PERCENT
SDRI09002000	0.013		0.0208	MG/KG	3.4		0.0593	MG/KG	3.4		0.00089	MG/KG	0.3809	U	PERCENT
SDRI09002000DUP	0.0094		0.0172	MG/KG	3.3		0.0492	MG/KG	3.3		0.000739	MG/KG	0.28404	U	PERCENT
SDRI09003000	0.021		0.0154	MG/KG	7.9		0.044	MG/KG	7.9		0.00066	MG/KG	0.26512	U	PERCENT
SDRI09004000	0.01		0.0165	MG/KG	2.2		0.0472	MG/KG	2.2		0.000709	MG/KG	0.45249	U	PERCENT
SDRI10001000	0.011		0.0187	MG/KG	3.3		0.0533	MG/KG	3.3		0.0533	MG/KG	0.33223	U	PERCENT
SDRI10002000	0.013		0.0326	MG/KG	3.7		0.0932	MG/KG	3.8		0.0932	MG/KG	0.35012	U	PERCENT
SDRI10003000	0.0093		0.0296	MG/KG	2.6		0.0846	MG/KG	2.6		0.0846	MG/KG	0.35642	U	PERCENT
SDRI10004000	0.024		0.0786	MG/KG	9.7		0.224	MG/KG	9.7		0.224	MG/KG	0.24681	U	PERCENT
SDRI10005000	0.028		0.085	MG/KG	11.5		0.243	MG/KG	11.5		0.243	MG/KG	0.24289	U	PERCENT
SDRI10006000	0.05	J	0.0979	MG/KG	24.7	J	0.28	MG/KG	24.8	J	0.28	MG/KG	0.20202	U	PERCENT
SDRI10007000	0.023	J	0.0926	MG/KG	9.9	J	0.265	MG/KG	9.9	J	0.265	MG/KG	0.23178	U	PERCENT
SDRI10008000	0.019		0.0966	MG/KG	8.1		0.276	MG/KG	8.1		0.276	MG/KG	0.23402	U	PERCENT
SDRI10009000	0.036	J	0.0843	MG/KG	16.8	J	0.241	MG/KG	16.9	J	0.241	MG/KG	0.21383	U	PERCENT
SDRI10010000	0.015	J	0.0952	MG/KG	6.3	J	0.272	MG/KG	6.3	J	0.272	MG/KG	0.23753	U	PERCENT
SDRI10011000	0.028	J	0.0678	MG/KG	10.8	J	0.194	MG/KG	10.8	J	0.194	MG/KG	0.25859	U	PERCENT
SDRI10012000	0.019		0.0697	MG/KG	7.1		0.199	MG/KG	7.1		0.199	MG/KG	0.26689	U	PERCENT
SDRI17001000	0.013		0.017	MG/KG	1.9		0.0485	MG/KG	1.9		0.0485	MG/KG	0.67956	U	PERCENT
SDRI17002000	0.0084		0.0185	MG/KG	1.2		0.0528	MG/KG	1.3		0.0528	MG/KG	0.69513	U	PERCENT
SDRI17003000	0.0081		0.0177	MG/KG	1.2		0.0506	MG/KG	1.2		0.0506	MG/KG	0.67047	U	PERCENT
SDRI17004000	0.041		0.0241	MG/KG	6		0.0689	MG/KG	6.1		0.0689	MG/KG	0.6787	U	PERCENT
SDRI17005000	0.0058		0.0193	MG/KG	0.84		0.055	MG/KG	0.85		0.055	MG/KG	0.68574	U	PERCENT
SDRI17006000	0.015		0.0171	MG/KG	2.2		0.0487	MG/KG	2.2		0.0487	MG/KG	0.6772	U	PERCENT
SDRI17007000	0.0088		0.0166	MG/KG	1.3		0.0474	MG/KG	1.3		0.0474	MG/KG	0.67237	U	PERCENT
SDRI17008000	0.0088		0.0205	MG/KG	1.3		0.0586	MG/KG	1.3		0.0586	MG/KG	0.67237	U	PERCENT
SDRI17009000	0.0083		0.0208	MG/KG	1.2		0.0594	MG/KG	1.2		0.0594	MG/KG	0.68692	U	PERCENT
SDRI17009000DUP	0.009		0.0209	MG/KG	1.3		0.0598	MG/KG	1.3		0.0598	MG/KG	0.68755	U	PERCENT
SDRI17010000	0.0042		0.0224	MG/KG	0.63		0.064	MG/KG	0.62		0.064	MG/KG	0.67286	U	PERCENT
SDRI17026000	0.017		0.0218	MG/KG	2.4		0.0624	MG/KG	2.5		0.000935	MG/KG	0.70335	U	PERCENT
SDRI17027000	0.013		0.0221	MG/KG	1.9		0.0631	MG/KG	2		0.000946	MG/KG	0.67956	U	PERCENT
SDRI17028000	0.014		0.018	MG/KG	2.1		0.0515	MG/KG	2.1		0.000773	MG/KG	0.66225	U	PERCENT
SDRI17029000	0.0084		0.0191	MG/KG	1.3		0.0545	MG/KG	1.3		0.000817	MG/KG	0.64201	U	PERCENT
SDRI17030000	0.014		0.0223	MG/KG	2.1		0.0637	MG/KG	2.1		0.000956	MG/KG	0.66225	U	PERCENT
SDRI17031000	0.012		0.0191	MG/KG	1.7		0.0546	MG/KG	1.7		0.000819	MG/KG	0.70093	U	PERCENT
SDRI17031000DUP	0.0074		0.0191	MG/KG	1.1		0.0547	MG/KG	1.1		0.00082	MG/KG	0.66823	U	PERCENT
SDRI17032000	0.0071		0.0183	MG/KG	1		0.0524	MG/KG	1		0.000786	MG/KG	0.70499	U	PERCENT
SDRI17033000	0.0099		0.0181	MG/KG	1.2		0.0519	MG/KG	1.2		0.000778	MG/KG	0.81825	U	PERCENT
SDRI17034000	0.01		0.0192	MG/KG	1.3		0.055	MG/KG	1.3		0.000825	MG/KG	0.76336	U	PERCENT
SDRI17035000	0.0077		0.0224	MG/KG	1.1		0.0639	MG/KG	1.1		0.000959	MG/KG	0.69513	U	PERCENT
SDRI17036000	0.027	J	0.061	MG/KG	4	J	0.174	MG/KG	4	J	0.174	MG/KG	0.67047	U	PERCENT
SDRI17037000	0.013		0.0446	MG/KG	1.9		0.127	MG/KG	1.9		0.127	MG/KG	0.67956	U	PERCENT
SDRI17038000	0.036	J	0.0464	MG/KG	5.3	J	0.133	MG/KG	5.3	J	0.133	MG/KG	0.67466	U	PERCENT
SDRI17039000	0.03		0.0412	MG/KG	4.4		0.118	MG/KG	4.5		0.118	MG/KG	0.6772	U	PERCENT
SDRI17040000	0.018		0.0402	MG/KG	2.6		0.115	MG/KG	2.7		0.115	MG/KG	0.68755	U	PERCENT

TABLE 3
URANIUM IN SEDIMENT AND SOIL

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SDRI17041000	0.031		0.0385	MG/KG	4.6		0.11	MG/KG	4.6		0.11	MG/KG	0.6694	U	PERCENT
SDRI17042000	0.033	J	0.0473	MG/KG	4.9	J	0.135	MG/KG	4.9	J	0.135	MG/KG	0.66896	U	PERCENT
SDRI17043000	0.021	J	0.0407	MG/KG	3.1		0.116	MG/KG	3.1		0.116	MG/KG	0.67286	U	PERCENT
SDRI17044000	0.014	J	0.0497	MG/KG	2	J	0.142	MG/KG	2.1	J	0.142	MG/KG	0.69513	U	PERCENT
SDRI17045000	0.07	J	0.0481	MG/KG	10.1	J	0.137	MG/KG	10.2	J	0.137	MG/KG	0.6883	U	PERCENT
SDRI18001000	0.037	J	0.054	MG/KG	10	J	0.154	MG/KG	10	J	0.154	MG/KG	0.36864	U	PERCENT
SDRI18002000	0.016		0.0195	MG/KG	2.9		0.0556	MG/KG	2.9		0.0556	MG/KG	0.5487	U	PERCENT
SDRI18003000	0.02		0.0228	MG/KG	5		0.0652	MG/KG	5		0.0652	MG/KG	0.39841	U	PERCENT
SDRI18004000	0.021		0.0575	MG/KG	4.9	J	0.164	MG/KG	4.9	J	0.164	MG/KG	0.42674	U	PERCENT
SDRI18004000DUP	0.029		0.0499	MG/KG	8.7	J	0.142	MG/KG	8.7	J	0.142	MG/KG	0.33223	U	PERCENT
SDRI18005000	0.022	J	0.0476	MG/KG	4.4	J	0.136	MG/KG	4.4	J	0.136	MG/KG	0.49751	U	PERCENT
SDRI18006000	0.033	J	0.0498	MG/KG	7.4	J	0.142	MG/KG	7.4	J	0.142	MG/KG	0.44397	U	PERCENT
SDRI18007000	0.022	J	0.0457	MG/KG	4.3	J	0.131	MG/KG	4.4	J	0.131	MG/KG	0.50902	U	PERCENT
SDRI18008000	0.0072		0.0157	MG/KG	1.1		0.0448	MG/KG	1.1		0.0448	MG/KG	0.65029	U	PERCENT
SDRI18009000	0.0052		0.0203	MG/KG	0.75		0.058	MG/KG	0.76		0.058	MG/KG	0.68856	U	PERCENT
SDRI18010000	0.0044		0.0207	MG/KG	0.65		0.0593	MG/KG	0.66		0.0593	MG/KG	0.67237	U	PERCENT
SDRI18011000	0.0072		0.0168	MG/KG	1.1		0.0479	MG/KG	1.1		0.0479	MG/KG	0.65029	U	PERCENT
SDRI18012000	0.014		0.0223	MG/KG	1.7		0.0638	MG/KG	2.1		0.0638	MG/KG	0.69513	U	PERCENT
SDRI18013000	0.011		0.0211	MG/KG	2		0.0603	MG/KG	1.7		0.0603	MG/KG	0.6429	U	PERCENT
SDRI18014000	0.017		0.0214	MG/KG	2.5		0.0611	MG/KG	2.5		0.0611	MG/KG	0.67541	U	PERCENT
SDRI18015000	0.0054		0.0166	MG/KG	0.8		0.0473	MG/KG	0.81		0.0473	MG/KG	0.67047	U	PERCENT
SDRI18016000	0.0054		0.0172	MG/KG	0.82		0.0491	MG/KG	0.83		0.0491	MG/KG	0.65423	U	PERCENT
SDRI18017000	0.0095		0.0176	MG/KG	1.4		0.0502	MG/KG	1.4		0.0502	MG/KG	0.674	U	PERCENT
SDRI18018000	0.0032		0.0223	MG/KG	0.48		0.0636	MG/KG	0.48		0.0636	MG/KG	0.66225	U	PERCENT
SDRI18019000	0.008		0.0188	MG/KG	1.2		0.0536	MG/KG	1.2		0.0536	MG/KG	0.66225	U	PERCENT
SDRI18020000	0.0086		0.0214	MG/KG	1.3		0.0613	MG/KG	1.3		0.0613	MG/KG	0.65719	U	PERCENT
SDRI18020000DUP	0.0072		0.0219	MG/KG	1.1		0.0627	MG/KG	1.1		0.0627	MG/KG	0.65029	U	PERCENT
SDRI18021000	0.0076		0.0253	MG/KG	1.1		0.0722	MG/KG	1.1		0.0722	MG/KG	0.68617	U	PERCENT
SDRI18022000	0.006		0.0324	MG/KG	0.91		0.0925	MG/KG	0.91		0.0925	MG/KG	0.65502	U	PERCENT
EXRI02001000	0.015	J	0.0147	MG/KG	2.6	J	0.0421	MG/KG	2.6	J	0.0421	MG/KG	0.57361	U	PERCENT
SBMWS05000	0.21		0.0155	MG/KG	104		0.0443	MG/KG	104		0.0443	MG/KG	0.20152	U	PERCENT
SBMWS05008	0.054		0.015	MG/KG	18.7		0.0428	MG/KG	18.7		0.0428	MG/KG	0.28794	U	PERCENT
SBMWS05054	0.011		0.0155	MG/KG	1.8		0.0442	MG/KG	1.8		0.0442	MG/KG	0.6074	U	PERCENT
SBMWS07001	0.014		0.0146	MG/KG	3.8		0.0417	MG/KG	3.8		0.000626	MG/KG	0.36707	U	PERCENT
SBMWS07008	0.0086		0.0144	MG/KG	1.3		0.041	MG/KG	1.4		0.000615	MG/KG	0.65719	U	PERCENT
SBMWS07058	0.01		0.0165	MG/KG	2		0.0471	MG/KG	2		0.000706	MG/KG	0.49751	U	PERCENT
SBMWS09001	0.012		0.0147	MG/KG	1.8		0.0419	MG/KG	1.8		0.0419	MG/KG	0.66225	U	PERCENT
SBMWS09006	0.011		0.015	MG/KG	1.6		0.0429	MG/KG	1.6		0.0429	MG/KG	0.68281	U	PERCENT
SBMWS09046	0.017		0.0185	MG/KG	2.5		0.0527	MG/KG	2.5		0.0527	MG/KG	0.67541	U	PERCENT
SBMWS16001	0.023		0.016	MG/KG	6.5		0.0458	MG/KG	6.5		0.0458	MG/KG	0.3526	U	PERCENT
SBMWS16008	0.013		0.0156	MG/KG	2.2		0.0445	MG/KG	2.2		0.0445	MG/KG	0.58744	U	PERCENT
SBMWS16049	0.016		0.0142	MG/KG	4		0.0405	MG/KG	4.1		0.0405	MG/KG	0.39841	U	PERCENT
SBMWS16069	0.0101	J	0.0138	MG/KG	1.81		0.0394	MG/KG	1.82		0.0394	MG/KG	0.55491	U	PERCENT
SBMWS16073	0.0311		0.014	MG/KG	10.2		0.0399	MG/KG	10.2		0.0399	MG/KG	0.30398	U	PERCENT
SBMWS16077	0.0549		0.0138	MG/KG	20.7		0.0395	MG/KG	20.8		0.0395	MG/KG	0.26452	U	PERCENT
SBMWT24000	0.032		0.0146	MG/KG	13.3		0.0417	MG/KG	13.4		0.0417	MG/KG	0.24002	U	PERCENT
SBMWT24009	0.0098		0.0147	MG/KG	2.3		0.0419	MG/KG	2.3		0.0419	MG/KG	0.42428	U	PERCENT
SBMWT24049	0.18		0.0153	MG/KG	79	J	0.0437	MG/KG	79.1	J	0.0437	MG/KG	0.22733	U	PERCENT
SBRI01001008	0.35		0.0142	MG/KG	171		0.0406	MG/KG	171		0.0406	MG/KG	0.20426	U	PERCENT
SBRI01001013	0.13		0.014	MG/KG	61.6		0.0401	MG/KG	61.7		0.0401	MG/KG	0.21059	U	PERCENT
SBRI01001018	0.31		0.0142	MG/KG	148		0.0406	MG/KG	148		0.0406	MG/KG	0.20902	U	PERCENT
SBRI01001023	0.38		0.0139	MG/KG	184		0.0398	MG/KG	184		0.0398	MG/KG	0.2061	U	PERCENT
SBRI01001028	0.2		0.0167	MG/KG	89.5		0.0476	MG/KG	89.7		0.0476	MG/KG	0.22297	U	PERCENT
SBRI01001033	0.02		0.0141	MG/KG	6.9		0.0404	MG/KG	6.9		0.0404	MG/KG	0.28902	U	PERCENT

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SBRI01001038	0.016		0.0168	MG/KG	3.5		0.048	MG/KG	3.5		0.048	MG/KG	0.45506	U	PERCENT
SBRI01001043	0.014		0.0165	MG/KG	2.3		0.0471	MG/KG	2.3		0.0471	MG/KG	0.60501	U	PERCENT
SBRI01001048	0.0081		0.0172	MG/KG	1.3		0.049	MG/KG	1.3		0.049	MG/KG	0.61922	U	PERCENT
SBRI01001053	0.012		0.0163	MG/KG	1.9		0.0467	MG/KG	1.9		0.0467	MG/KG	0.62762	U	PERCENT
SBRI01001058	0.024		0.015	MG/KG	3.8		0.0429	MG/KG	3.8		0.0429	MG/KG	0.62762	U	PERCENT
SBRI01001063	0.014		0.0148	MG/KG	2.2		0.0424	MG/KG	2.2		0.0424	MG/KG	0.63234	U	PERCENT
SBRI01002008	0.23	J	0.0142	MG/KG	107		0.0406	MG/KG	107		0.0406	MG/KG	0.21449	U	PERCENT
SBRI01002013	0.17	J	0.0143	MG/KG	76.9		0.0409	MG/KG	77.1		0.0409	MG/KG	0.22058	U	PERCENT
SBRI01002018	0.53	J	0.0148	MG/KG	255		0.0423	MG/KG	255		0.0423	MG/KG	0.20741	U	PERCENT
SBRI01002023	0.35		0.0166	MG/KG	198		0.0473	MG/KG	199		0.0473	MG/KG	0.17646	U	PERCENT
SBRI01002023DUP	0.32		0.0164	MG/KG	188		0.0468	MG/KG	188		0.0468	MG/KG	0.16992	U	PERCENT
SBRI01002028	0.11	J	0.0179	MG/KG	49		0.0511	MG/KG	49.1		0.0511	MG/KG	0.22399	U	PERCENT
SBRI01002033	0.1	J	0.017	MG/KG	45.5		0.0485	MG/KG	45.6		0.0485	MG/KG	0.2193	U	PERCENT
SBRI01002038	0.11	J	0.0158	MG/KG	50.9		0.0451	MG/KG	51		0.0451	MG/KG	0.21564	U	PERCENT
SBRI01002043	0.079	J	0.017	MG/KG	35.1		0.0485	MG/KG	35.2		0.0485	MG/KG	0.22457	U	PERCENT
SBRI01002048	0.049	J	0.0179	MG/KG	21.8		0.0513	MG/KG	21.8		0.0513	MG/KG	0.22427	U	PERCENT
SBRI01002053	0.026	J	0.0172	MG/KG	9.8		0.0491	MG/KG	9.9		0.0491	MG/KG	0.2646	U	PERCENT
SBRI01002059	0.017		0.0155	MG/KG	3		0.0442	MG/KG	3		0.0442	MG/KG	0.56347	U	PERCENT
SBRI01002059DUP															
SBRI01003013	0.14		0.0144	MG/KG	64.5		0.041	MG/KG	64.6		0.041	MG/KG	0.21658	U	PERCENT
SBRI01003018	0.28		0.0145	MG/KG	136		0.0415	MG/KG	136		0.0415	MG/KG	0.20546	U	PERCENT
SBRI01003023	0.87		0.0178	MG/KG	437		0.0509	MG/KG	438		0.0509	MG/KG	0.19869	U	PERCENT
SBRI01003028	0.19		0.0186	MG/KG	89.9		0.0532	MG/KG	90.1		0.0532	MG/KG	0.2109	U	PERCENT
SBRI01003033	0.41		0.0176	MG/KG	206		0.0504	MG/KG	207		0.0504	MG/KG	0.19863	U	PERCENT
SBRI01003038	0.21		0.0175	MG/KG	103		0.0499	MG/KG	103		0.0499	MG/KG	0.20347	U	PERCENT
SBRI01003043	0.27		0.0176	MG/KG	135		0.0503	MG/KG	135		0.0503	MG/KG	0.1996	U	PERCENT
SBRI01003048	0.14		0.0184	MG/KG	67.5		0.0525	MG/KG	67.7		0.0525	MG/KG	0.20698	U	PERCENT
SBRI01003053	0.11		0.0152	MG/KG	53.5		0.0435	MG/KG	53.6		0.0435	MG/KG	0.20519	U	PERCENT
SBRI01003058	0.017		0.0155	MG/KG	3.5		0.0443	MG/KG	3.5		0.0443	MG/KG	0.48337	U	PERCENT
SBRI01004008	0.63	J	0.0144	MG/KG	301		0.0412	MG/KG	302		0.0412	MG/KG	0.20887	U	PERCENT
SBRI01004013	0.16	J	0.0142	MG/KG	72.2		0.0405	MG/KG	72.3		0.0405	MG/KG	0.22112	U	PERCENT
SBRI01004018	0.12	J	0.0169	MG/KG	56.7		0.0482	MG/KG	56.8		0.0482	MG/KG	0.21119	U	PERCENT
SBRI01004023	0.048	J	0.0163	MG/KG	16.5	J	0.0467	MG/KG	16.5	J	0.0467	MG/KG	0.29007	U	PERCENT
SBRI01004028	0.052	J	0.0157	MG/KG	22.4	J	0.0448	MG/KG	22.4	J	0.0448	MG/KG	0.23161	U	PERCENT
SBRI01004033	0.012	J	0.017	MG/KG	2.5	J	0.0485	MG/KG	2.5	J	0.0485	MG/KG	0.47771	U	PERCENT
SBRI01004038	0.0079	J	0.0173	MG/KG	1.3	J	0.0493	MG/KG	1.3	J	0.0493	MG/KG	0.60402	U	PERCENT
SBRI01004043	0.012	J	0.0163	MG/KG	1.9	J	0.0466	MG/KG	1.9	J	0.0466	MG/KG	0.62762	U	PERCENT
SBRI01004048	0.015	J	0.0169	MG/KG	2.7	J	0.0482	MG/KG	2.7	J	0.0482	MG/KG	0.55249	U	PERCENT
SBRI01004053	0.021	J	0.0154	MG/KG	3.8		0.044	MG/KG	3.8		0.044	MG/KG	0.54959	U	PERCENT
SBRI01005010	1.3		0.0162	MG/KG	664		0.0462	MG/KG	666		0.0462	MG/KG	0.1954	U	PERCENT
SBRI01005013	1.2		0.0166	MG/KG	619		0.0473	MG/KG	620		0.0473	MG/KG	0.19349	U	PERCENT
SBRI01005018	0.93		0.0189	MG/KG	468		0.054	MG/KG	469		0.054	MG/KG	0.19832	U	PERCENT
SBRI01005023	0.061		0.0176	MG/KG	25.9		0.0502	MG/KG	25.9		0.0502	MG/KG	0.23497	U	PERCENT
SBRI01005028	0.089		0.0153	MG/KG	41.4		0.0438	MG/KG	41.5		0.0438	MG/KG	0.21451	U	PERCENT
SBRI01005033	0.14		0.0162	MG/KG	67.9		0.0464	MG/KG	68		0.0464	MG/KG	0.20576	U	PERCENT
SBRI01005038	0.037		0.0173	MG/KG	13.3		0.0495	MG/KG	13.4		0.0495	MG/KG	0.27742	U	PERCENT
SBRI01005043	0.02		0.0178	MG/KG	6.9		0.051	MG/KG	6.9		0.051	MG/KG	0.28902	U	PERCENT
SBRI01005048	0.028		0.0171	MG/KG	10.9		0.0488	MG/KG	11		0.0488	MG/KG	0.25622	U	PERCENT
SBRI01005053	0.015		0.0151	MG/KG	3		0.043	MG/KG	3.1		0.043	MG/KG	0.49751	U	PERCENT
SBRI01005058	0.016		0.0151	MG/KG	3.8		0.0431	MG/KG	3.8		0.0431	MG/KG	0.41929	U	PERCENT
SBRI01005063	0.014		0.015	MG/KG	2.1		0.0429	MG/KG	2.1		0.0429	MG/KG	0.66225	U	PERCENT
SBRI01006009	0.92		0.015	MG/KG	542		0.0427	MG/KG	543		0.0427	MG/KG	0.16945	U	PERCENT
SBRI01006014	0.62		0.0149	MG/KG	366		0.0427	MG/KG	367		0.0427	MG/KG	0.16911	U	PERCENT
SBRI01006019	0.86		0.0154	MG/KG	511		0.0441	MG/KG	511		0.0441	MG/KG	0.16801	U	PERCENT

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SBRI01006024	0.79		0.016	MG/KG	466		0.0456	MG/KG	467		0.0456	MG/KG	0.16924	U	PERCENT
SBRI01006029	0.32		0.0168	MG/KG	185		0.048	MG/KG	185		0.048	MG/KG	0.17267	U	PERCENT
SBRI01006034	0.12		0.0172	MG/KG	71.8		0.049	MG/KG	71.9		0.049	MG/KG	0.16685	U	PERCENT
SBRI01006039	0.063		0.0169	MG/KG	34.3		0.0482	MG/KG	34.4		0.0482	MG/KG	0.18334	U	PERCENT
SBRI01006044	0.065		0.0172	MG/KG	27.1		0.0491	MG/KG	27.1		0.0491	MG/KG	0.23928	U	PERCENT
SBRI01006049	0.018		0.0157	MG/KG	2.9		0.0447	MG/KG	2.9		0.0447	MG/KG	0.61686	U	PERCENT
SBRI01007000	0.061		0.0163	MG/KG	22		0.0465	MG/KG	22.1		0.000697	MG/KG	0.27651	U	PERCENT
SBRI01007001	0.073		0.0153	MG/KG	26	J	0.0436	MG/KG	26.1	J	0.0436	MG/KG	0.27998	U	PERCENT
SBRI01007008	0.023		0.0164	MG/KG	3.3		0.0467	MG/KG	3.3		0.000701	MG/KG	0.69215	U	PERCENT
SBRI01007016	0.011		0.0145	MG/KG	1.6		0.0416	MG/KG	1.6		0.000623	MG/KG	0.68281	U	PERCENT
SBRI01007036	0.11		0.0141	MG/KG	48.6	J	0.0404	MG/KG	48.8	J	0.0404	MG/KG	0.22583	U	PERCENT
SBRI01007044	0.14		0.016	MG/KG	59.2	J	0.0457	MG/KG	59.4	J	0.0457	MG/KG	0.23593	U	PERCENT
SBRI01007052	0.32		0.0146	MG/KG	145	J	0.0417	MG/KG	145	J	0.0417	MG/KG	0.2202	U	PERCENT
SBRI01008000	0.087		0.0151	MG/KG	42.1		0.0431	MG/KG	42.2		0.0431	MG/KG	0.20622	U	PERCENT
SBRI01008009	0.015		0.0147	MG/KG	3		0.0421	MG/KG	3		0.0421	MG/KG	0.49751	U	PERCENT
SBRI01008019	0.014		0.0155	MG/KG	2.2		0.0443	MG/KG	2.2		0.0443	MG/KG	0.63234	U	PERCENT
SBRI01008029	0.0083		0.0139	MG/KG	1.3		0.0397	MG/KG	1.3		0.0397	MG/KG	0.63441	U	PERCENT
SBRI01008039	0.025		0.014	MG/KG	8.9		0.0399	MG/KG	8.9		0.0399	MG/KG	0.28011	U	PERCENT
SBRI01008049	0.36		0.0161	MG/KG	180		0.0461	MG/KG	180		0.0461	MG/KG	0.1996	U	PERCENT
SBRI01008059	0.095		0.0162	MG/KG	45.1		0.0463	MG/KG	45.1		0.0463	MG/KG	0.2102	U	PERCENT
SBRI01008069	0.024		0.0159	MG/KG	7.6		0.0455	MG/KG	7.7		0.0455	MG/KG	0.3148	U	PERCENT
SBRI01008079	0.02		0.016	MG/KG	4.6		0.0457	MG/KG	4.6		0.0457	MG/KG	0.4329	U	PERCENT
SBRI01009000	0.054		0.0151	MG/KG	21.4		0.0432	MG/KG	21.4		0.0432	MG/KG	0.2517	U	PERCENT
SBRI01009004	0.032		0.0144	MG/KG	12		0.0413	MG/KG	12		0.0413	MG/KG	0.26596	U	PERCENT
SBRI01009008	0.033		0.018	MG/KG	11.7		0.0513	MG/KG	11.7		0.00077	MG/KG	0.28126	U	PERCENT
SBRI01009019	0.014		0.0157	MG/KG	2		0.0449	MG/KG	2		0.000673	MG/KG	0.69513	U	PERCENT
SBRI01009029	0.017		0.016	MG/KG	2.5		0.0457	MG/KG	2.5		0.000685	MG/KG	0.67541	U	PERCENT
SBRI01009039	0.014		0.015	MG/KG	2.2		0.043	MG/KG	2.3		0.000644	MG/KG	0.63234	U	PERCENT
SBRI01009049	0.022		0.016	MG/KG	7.3		0.0458	MG/KG	7.4		0.000687	MG/KG	0.30046	U	PERCENT
SBRI01009059	0.015		0.0174	MG/KG	3.4		0.0498	MG/KG	3.4		0.000747	MG/KG	0.43924	U	PERCENT
SBRI01009074	0.015		0.0148	MG/KG	2.2		0.0424	MG/KG	2.2		0.000636	MG/KG	0.6772	U	PERCENT
SBRI01010000	0.093		0.0147	MG/KG	372		0.042	MG/KG	372		0.042	MG/KG	0.02499	U	PERCENT
SBRI01010002	0.15		0.0158	MG/KG	672		0.0453	MG/KG	672		0.0453	MG/KG	0.02232	U	PERCENT
SBRI01010008	0.042		0.0152	MG/KG	14.8		0.0435	MG/KG	14.9		0.0435	MG/KG	0.28298	U	PERCENT
SBRI01010019	0.015		0.0168	MG/KG	2.7		0.0481	MG/KG	2.7		0.0481	MG/KG	0.55249	U	PERCENT
SBRI01010029	0.02		0.0161	MG/KG	4.6		0.046	MG/KG	4.6		0.046	MG/KG	0.4329	U	PERCENT
SBRI01010039	0.023		0.0164	MG/KG	6.5		0.047	MG/KG	6.5		0.047	MG/KG	0.3526	U	PERCENT
SBRI01010049	0.013		0.0159	MG/KG	2.3		0.0454	MG/KG	2.3		0.0454	MG/KG	0.56204	U	PERCENT
SBRI01010059	0.011		0.0167	MG/KG	1.8		0.0478	MG/KG	1.8		0.0478	MG/KG	0.6074	U	PERCENT
SBRI01010069	0.017		0.0155	MG/KG	2.6		0.0443	MG/KG	2.6		0.0443	MG/KG	0.6496	U	PERCENT
SBRI01010079	0.017		0.0149	MG/KG	2.7		0.0426	MG/KG	2.7		0.0426	MG/KG	0.62569	U	PERCENT
SBRI01011000	0.059		0.0148	MG/KG	31.6		0.0422	MG/KG	31.7		0.0422	MG/KG	0.18636	U	PERCENT
SBRI01011002	0.057		0.0146	MG/KG	31.1		0.0417	MG/KG	31.2		0.0417	MG/KG	0.18294	U	PERCENT
SBRI01011008	0.04		0.0145	MG/KG	18.2		0.0415	MG/KG	18.3		0.0415	MG/KG	0.2193	U	PERCENT
SBRI01011019	0.058		0.0143	MG/KG	23.3		0.041	MG/KG	23.3		0.041	MG/KG	0.24831	U	PERCENT
SBRI01011029	0.018		0.0146	MG/KG	7.6		0.0418	MG/KG	7.6		0.0418	MG/KG	0.23628	U	PERCENT
SBRI01011039	0.011		0.0164	MG/KG	3.6		0.0468	MG/KG	3.6		0.0468	MG/KG	0.30462	U	PERCENT
SBRI01011044	0.021		0.0156	MG/KG	5.9		0.0445	MG/KG	6		0.0445	MG/KG	0.35467	U	PERCENT
SBRI01011054	0.048		0.0162	MG/KG	19.4		0.0463	MG/KG	19.5		0.0463	MG/KG	0.24681	U	PERCENT
SBRI01011064	0.04		0.0178	MG/KG	16.4		0.0508	MG/KG	16.4		0.0508	MG/KG	0.24331	U	PERCENT
SBRI01011074	0.011		0.0154	MG/KG	1.7		0.0439	MG/KG	1.7		0.0439	MG/KG	0.6429	U	PERCENT
SBRI01011084	0.017		0.0155	MG/KG	2.5		0.0444	MG/KG	2.5		0.0444	MG/KG	0.67541	U	PERCENT
SBRI01012000	0.013		0.0147	MG/KG	3.5		0.0419	MG/KG	3.5		0.0419	MG/KG	0.37005	U	PERCENT
SBRI01012001	0.0088		0.0147	MG/KG	1.3		0.042	MG/KG	1.3		0.042	MG/KG	0.67237	U	PERCENT

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SBRI01012008	0.0084		0.0144	MG/KG	1.3		0.041	MG/KG	1.3		0.041	MG/KG	0.64201	U	PERCENT
SBRI01012020	0.0095		0.0145	MG/KG	1.4		0.0415	MG/KG	1.4		0.0415	MG/KG	0.674	U	PERCENT
SBRI01012025	0.011		0.0144	MG/KG	1.6		0.041	MG/KG	1.6		0.041	MG/KG	0.68281	U	PERCENT
SBRI01012035	0.013		0.0146	MG/KG	1.8		0.0417	MG/KG	1.8		0.0417	MG/KG	0.71704	U	PERCENT
SBRI01012040	0.026		0.0162	MG/KG	3.6		0.0464	MG/KG	3.6		0.0464	MG/KG	0.71704	U	PERCENT
SBRI01012055	0.0092		0.015	MG/KG	1.3		0.0428	MG/KG	1.3		0.0428	MG/KG	0.70272	U	PERCENT
SBRI01012065	0.018		0.0157	MG/KG	2.5		0.045	MG/KG	2.5		0.045	MG/KG	0.71485	U	PERCENT
SBRI01013000	0.17		0.0148	MG/KG	73.7		0.0423	MG/KG	73.9		0.000635	MG/KG	0.23013	U	PERCENT
SBRI01013001	0.025		0.0145	MG/KG	9.7		0.0415	MG/KG	9.8		0.000622	MG/KG	0.25707	U	PERCENT
SBRI01013008	0.023		0.0147	MG/KG	7.6		0.0419	MG/KG	7.7		0.000628	MG/KG	0.30172	U	PERCENT
SBRI01013019	0.01		0.014	MG/KG	1.5		0.0401	MG/KG	1.5		0.000601	MG/KG	0.66225	U	PERCENT
SBRI01013029	0.013		0.0148	MG/KG	1.9		0.0424	MG/KG	1.9		0.000636	MG/KG	0.67956	U	PERCENT
SBRI01013039	0.038		0.0162	MG/KG	16.4		0.0463	MG/KG	16.4		0.000694	MG/KG	0.23117	U	PERCENT
SBRI01013049	0.015		0.0173	MG/KG	2.4		0.0495	MG/KG	2.4		0.000742	MG/KG	0.62112	U	PERCENT
SBRI01013059	0.16		0.0172	MG/KG	67.2		0.0491	MG/KG	67.3		0.000736	MG/KG	0.23753	U	PERCENT
SBRI01013069	0.017		0.0173	MG/KG	2.5		0.0496	MG/KG	2.5		0.000744	MG/KG	0.67541	U	PERCENT
SBRI01013074	0.016		0.0155	MG/KG	2.3		0.0443	MG/KG	2.3		0.000665	MG/KG	0.69085	U	PERCENT
SBRI01013084	0.016		0.0151	MG/KG	2.4		0.0432	MG/KG	2.4		0.000648	MG/KG	0.66225	U	PERCENT
SBRI01014000	0.037		0.0149	MG/KG	14.3		0.0425	MG/KG	14.4		0.000638	MG/KG	0.25807	U	PERCENT
SBRI01014001	0.0099		0.0142	MG/KG	2.1		0.0405	MG/KG	2.2		0.000608	MG/KG	0.46922	U	PERCENT
SBRI01014008			0.0142	MG/KG	2.2		0.0407	MG/KG	2.3		0.0407	MG/KG			
SBRI01014020	0.011		0.0147	MG/KG	1.5		0.042	MG/KG	1.5		0.042	MG/KG	0.72799	U	PERCENT
SBRI01014030	0.018		0.0147	MG/KG	4.6		0.042	MG/KG	4.6		0.000629	MG/KG	0.38978	U	PERCENT
SBRI01014040	0.011		0.0155	MG/KG	1.6		0.0444	MG/KG	1.6		0.0444	MG/KG	0.68281	U	PERCENT
SBRI01014050	0.01		0.0165	MG/KG	1.7		0.0471	MG/KG	1.8		0.0471	MG/KG	0.5848	U	PERCENT
SBRI01014060	0.0097		0.0151	MG/KG	2.2		0.0432	MG/KG	2.2		0.0432	MG/KG	0.43897	U	PERCENT
SBRI01014070	0.0081		0.0153	MG/KG	1.2		0.0437	MG/KG	1.2		0.0437	MG/KG	0.67047	U	PERCENT
SBRI01015000	0.028		0.0154	MG/KG	10.7		0.044	MG/KG	10.7		0.00066	MG/KG	0.261	U	PERCENT
SBRI01015001	0.01		0.0146	MG/KG	2.7	J	0.0417	MG/KG	2.7	J	0.0417	MG/KG	0.369	U	PERCENT
SBRI01015008	0.014		0.0142	MG/KG	2.2	J	0.0406	MG/KG	2.3	J	0.0406	MG/KG	0.63234	U	PERCENT
SBRI01015008DUP	0.017		0.0144	MG/KG	2.7		0.041	MG/KG	2.8		0.000615	MG/KG	0.62569	U	PERCENT
SBRI01016000	0.0069		0.0143	MG/KG	1.1		0.0408	MG/KG	1.1		0.000612	MG/KG	0.62336	U	PERCENT
SBRI01016001	0.012		0.0144	MG/KG	1.8		0.0413	MG/KG	1.8		0.000619	MG/KG	0.66225	U	PERCENT
SBRI01016008	0.0089		0.0141	MG/KG	1.3		0.0403	MG/KG	1.3		0.000604	MG/KG	0.67996	U	PERCENT
SBRI01017000	0.0059		0.0147	MG/KG	1.1		0.0421	MG/KG	1.1		0.0421	MG/KG	0.5335	U	PERCENT
SBRI01017001	0.022		0.015	MG/KG	7.4		0.0428	MG/KG	7.4		0.0428	MG/KG	0.29642	U	PERCENT
SBRI01017008	0.011		0.0141	MG/KG	1.6		0.0402	MG/KG	1.6		0.0402	MG/KG	0.68281	U	PERCENT
SBRI01018001	0.011		0.0145	MG/KG	2.8		0.0415	MG/KG	2.8		0.0415	MG/KG	0.39132	U	PERCENT
SBRI01018008	0.015		0.0152	MG/KG	2.1		0.0435	MG/KG	2.2		0.0435	MG/KG	0.70922	U	PERCENT
SBRI01019000	0.015		0.0151	MG/KG	2.4		0.0431	MG/KG	2.5		0.000647	MG/KG	0.62112	U	PERCENT
SBRI01019001	0.21		0.0145	MG/KG	91.2		0.0416	MG/KG	91.4		0.000623	MG/KG	0.22973	U	PERCENT
SBRI01019008	0.0099		0.0144	MG/KG	1.5		0.0412	MG/KG	1.5		0.000617	MG/KG	0.65567	U	PERCENT
SBRI01020000	0.14		0.0148	MG/KG	46.5		0.0422	MG/KG	46.6		0.0422	MG/KG	0.30017	U	PERCENT
SBRI01020001	0.092		0.0156	MG/KG	16.9		0.0447	MG/KG	17		0.0447	MG/KG	0.54143	U	PERCENT
SBRI01020008	0.0089		0.0142	MG/KG	1.6	J	0.0404	MG/KG	1.7	J	0.0404	MG/KG	0.55317	U	PERCENT
SBRI01021000	0.048		0.0156	MG/KG	13.3	J	0.0445	MG/KG	13.3	J	0.0445	MG/KG	0.3596	U	PERCENT
SBRI01021001	0.11		0.0151	MG/KG	9.7	J	0.0431	MG/KG	9.8	J	0.0431	MG/KG	1.1213	U	PERCENT
SBRI01021008	0.048		0.0146	MG/KG	6.6	J	0.0417	MG/KG	6.7	J	0.0417	MG/KG	0.72202	U	PERCENT
SBRI01022000	0.11		0.0149	MG/KG	46.3		0.0426	MG/KG	46.4		0.000639	MG/KG	0.23702	U	PERCENT
SBRI01022001	0.019		0.0148	MG/KG	5.9		0.0422	MG/KG	5.9		0.000633	MG/KG	0.321	U	PERCENT
SBRI01022008	0.012		0.0155	MG/KG	3.4		0.0443	MG/KG	3.4		0.000664	MG/KG	0.3517	U	PERCENT
SBRI05001005	0.011		0.0147	MG/KG	1.8		0.0419	MG/KG	1.8		0.0419	MG/KG	0.6074	U	PERCENT
SBRI05001015	0.017	J	0.0183	MG/KG	2.4	J	0.0524	MG/KG	2.4	J	0.0524	MG/KG	0.70335	U	PERCENT
SBRI05001030	0.3	J	0.0179	MG/KG	124	J	0.0513	MG/KG	124	J	0.0513	MG/KG	0.24135	U	PERCENT

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SBRI05002005	0.066	J	0.0143	MG/KG	21.2	J	0.041	MG/KG	21.2	J	0.041	MG/KG	0.31035	U	PERCENT
SBRI05002005DUP	0.024	J	0.0142	MG/KG	8.8	J	0.0406	MG/KG	8.8	J	0.0406	MG/KG	0.27199	U	PERCENT
SBRI05002015	0.012	J	0.0174	MG/KG	1.7	J	0.0497	MG/KG	1.7	J	0.0497	MG/KG	0.70093	U	PERCENT
SBRI05002030	0.029	J	0.0189	MG/KG	7.2	J	0.054	MG/KG	7.3	J	0.054	MG/KG	0.40116	U	PERCENT
SBRI05003005	0.0094		0.0146	MG/KG	1.8		0.0418	MG/KG	1.8		0.0418	MG/KG	0.51951	U	PERCENT
SBRI05003015	0.023		0.0193	MG/KG	3.1		0.0551	MG/KG	3.2		0.0551	MG/KG	0.73647	U	PERCENT
SBRI05003030	0.022		0.0191	MG/KG	3.1		0.0545	MG/KG	3.2		0.0545	MG/KG	0.70468	U	PERCENT
SBRI05004005	0.013		0.0149	MG/KG	2.8		0.0426	MG/KG	2.8		0.0426	MG/KG	0.46214	U	PERCENT
SBRI05004015	0.018		0.0181	MG/KG	2.6		0.0518	MG/KG	2.7		0.0518	MG/KG	0.68755	U	PERCENT
SBRI05004030	0.021		0.0193	MG/KG	3.1		0.0553	MG/KG	3.2		0.0553	MG/KG	0.67286	U	PERCENT
SBRI05005005	0.018		0.0144	MG/KG	5.3	J	0.0412	MG/KG	5.3	J	0.0412	MG/KG	0.33847	U	PERCENT
SBRI05005015	0.014		0.018	MG/KG	2.2	J	0.0514	MG/KG	2.2	J	0.0514	MG/KG	0.63234	U	PERCENT
SBRI05005030	0.011		0.0179	MG/KG	1.6	J	0.0512	MG/KG	1.6	J	0.0512	MG/KG	0.68281	U	PERCENT
SBRI05006005	0.015		0.0148	MG/KG	2.3		0.0422	MG/KG	2.3		0.0422	MG/KG	0.64795	U	PERCENT
SBRI05006015	0.021		0.0193	MG/KG	3		0.0551	MG/KG	3		0.0551	MG/KG	0.69513	U	PERCENT
SBRI05006030	0.016		0.0182	MG/KG	2.3		0.052	MG/KG	2.4		0.052	MG/KG	0.69085	U	PERCENT
SBRI05007005	0.015	J	0.0147	MG/KG	2.7		0.0421	MG/KG	2.7		0.0421	MG/KG	0.55249	U	PERCENT
SBRI05007015	0.0099	J	0.0144	MG/KG	1.4		0.0411	MG/KG	1.4		0.0411	MG/KG	0.70218	U	PERCENT
SBRI05008005	0.013	J	0.0145	MG/KG	2.3		0.0413	MG/KG	2.3		0.0413	MG/KG	0.56204	U	PERCENT
SBRI05008015	0.014	J	0.0143	MG/KG	1.9		0.0409	MG/KG	1.9		0.0409	MG/KG	0.73145	U	PERCENT
SBRI05008040	0.0082	J	0.0168	MG/KG	1.2		0.0481	MG/KG	1.2		0.0481	MG/KG	0.6787	U	PERCENT
SBRI05009005	0.018		0.0142	MG/KG	3.4		0.0406	MG/KG	3.5		0.0406	MG/KG	0.52662	U	PERCENT
SBRI05009015	0.012		0.0155	MG/KG	1.8		0.0444	MG/KG	1.8		0.0444	MG/KG	0.66225	U	PERCENT
SBRI05009040	0.01		0.0144	MG/KG	1.6		0.0413	MG/KG	1.6		0.0413	MG/KG	0.62112	U	PERCENT
SBRI05010005	0.011		0.0146	MG/KG	2.1		0.0418	MG/KG	2.1		0.0418	MG/KG	0.52108	U	PERCENT
SBRI05010005DUP	0.016		0.0144	MG/KG	3		0.041	MG/KG	3		0.041	MG/KG	0.5305	U	PERCENT
SBRI05010015	0.0078		0.0144	MG/KG	1.3		0.0412	MG/KG	1.3		0.0412	MG/KG	0.59642	U	PERCENT
SBRI05010040	0.0057		0.0155	MG/KG	0.87		0.0442	MG/KG	0.87		0.0442	MG/KG	0.65091	U	PERCENT
SBRI05011009	0.0079		0.0141	MG/KG	1.2		0.0404	MG/KG	1.2		0.0404	MG/KG	0.65403	U	PERCENT
SBRI05011029	0.021		0.0176	MG/KG	3		0.0502	MG/KG	3		0.0502	MG/KG	0.69513	U	PERCENT
SBRI05012008	0.012		0.0143	MG/KG	1.8	J	0.0407	MG/KG	1.8	J	0.0407	MG/KG	0.66225	U	PERCENT
SBRI05012028	0.018		0.0172	MG/KG	2.6	J	0.0493	MG/KG	2.7	J	0.0493	MG/KG	0.68755	U	PERCENT
SBRI05013008	0.011		0.0142	MG/KG	1.5		0.0405	MG/KG	1.5		0.0405	MG/KG	0.72799	U	PERCENT
SBRI05013029	0.017		0.019	MG/KG	2.4		0.0544	MG/KG	2.4		0.0544	MG/KG	0.70335	U	PERCENT
SBRI05014009	0.012		0.0147	MG/KG	2		0.0419	MG/KG	2		0.0419	MG/KG	0.59642	U	PERCENT
SBRI05014034	0.013		0.0171	MG/KG	1.8		0.0489	MG/KG	1.8		0.0489	MG/KG	0.71704	U	PERCENT
SBRI05015014	0.014		0.0143	MG/KG	2.1		0.0409	MG/KG	2.1		0.000613	MG/KG	0.66225	U	PERCENT
SBRI05015044	0.014		0.0151	MG/KG	2		0.043	MG/KG	2		0.000645	MG/KG	0.69513	U	PERCENT
SBRI05016009	0.012		0.0151	MG/KG	2.7		0.0432	MG/KG	2.7		0.0432	MG/KG	0.44248	U	PERCENT
SBRI05016034	0.016		0.0145	MG/KG	2.7		0.0416	MG/KG	2.7		0.0416	MG/KG	0.5891	U	PERCENT
SBRI05017009	0.012		0.0138	MG/KG	1.7		0.0394	MG/KG	1.7		0.000591	MG/KG	0.70093	U	PERCENT
SBRI05017009DUP	0.012		0.014	MG/KG	1.8		0.0401	MG/KG	1.8		0.000602	MG/KG	0.66225	U	PERCENT
SBRI05017034	0.0069		0.0141	MG/KG	0.91		0.0404	MG/KG	0.92		0.000606	MG/KG	0.75254	U	PERCENT
SBRI05018006	0.014		0.015	MG/KG	2.4		0.0429	MG/KG	2.4		0.0429	MG/KG	0.57995	U	PERCENT
SBRI05018010	0.019		0.0144	MG/KG	4.6		0.041	MG/KG	4.6		0.041	MG/KG	0.41134	U	PERCENT
SBRI05018024	0.011		0.0153	MG/KG	1.5		0.0437	MG/KG	1.5		0.0437	MG/KG	0.72799	U	PERCENT
SBRI05018024DUP	0.011		0.0152	MG/KG	1.6		0.0435	MG/KG	1.6		0.0435	MG/KG	0.68281	U	PERCENT
SBRI05019005	0.036		0.0152	MG/KG	8.6		0.0433	MG/KG	8.6		0.000649	MG/KG	0.41686	U	PERCENT
SBRI05019010	0.026		0.0154	MG/KG	7.3		0.0441	MG/KG	7.4		0.000662	MG/KG	0.3549	U	PERCENT
SBRI05019055	0.014		0.0158	MG/KG	3		0.045	MG/KG	3		0.000676	MG/KG	0.4645	U	PERCENT
SBRI07001000	0.0066		0.0141	MG/KG	1	J	0.0403	MG/KG	1	J	0.0403	MG/KG	0.65567	U	PERCENT
SBRI07001004	0.0084		0.0143	MG/KG	1.3	J	0.0409	MG/KG	1.3	J	0.0409	MG/KG	0.64201	U	PERCENT
SBRI07002000	0.06	J	0.0145	MG/KG	10.2	J	0.0414	MG/KG	10.3	J	0.0414	MG/KG	0.5848	U	PERCENT
SBRI07002004	0.0069	J	0.0142	MG/KG	1	J	0.0406	MG/KG	1	J	0.0406	MG/KG	0.68527	U	PERCENT

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SBRI07003000	0.016	J	0.0142	MG/KG	5.1	J	0.0405	MG/KG	5.1	J	0.0405	MG/KG	0.31274	U	PERCENT
SBRI07003004	0.0067	J	0.0143	MG/KG	0.98	J	0.0409	MG/KG	0.99	J	0.0409	MG/KG	0.67903	U	PERCENT
SBRI07004000	0.01		0.0146	MG/KG	1.6	J	0.0417	MG/KG	1.6	J	0.0417	MG/KG	0.62112	U	PERCENT
SBRI07004004	0.009		0.0151	MG/KG	1.4	J	0.043	MG/KG	1.4	J	0.043	MG/KG	0.63875	U	PERCENT
SBRI07005000	0.19	J	0.0149	MG/KG	93.4	J	0.0425	MG/KG	93.6	J	0.0425	MG/KG	0.20301	U	PERCENT
SBRI07005004	0.6	J	0.0145	MG/KG	299	J	0.0414	MG/KG	300	J	0.0414	MG/KG	0.20027	U	PERCENT
SBRI07006000	0.017	J	0.0148	MG/KG	5.1	J	0.0424	MG/KG	5.1	J	0.0424	MG/KG	0.33223	U	PERCENT
SBRI07006004	0.011	J	0.0158	MG/KG	2.2	J	0.0453	MG/KG	2.2	J	0.0453	MG/KG	0.49751	U	PERCENT
SBRI07007000	0.032		0.0148	MG/KG	11.3	J	0.0421	MG/KG	11.3	J	0.0421	MG/KG	0.28239	U	PERCENT
SBRI07007004	0.0087		0.0148	MG/KG	1.2	J	0.0422	MG/KG	1.2	J	0.0422	MG/KG	0.71978	U	PERCENT
SBRI07008000	0.012		0.0151	MG/KG	2.6		0.0431	MG/KG	2.6		0.000647	MG/KG	0.45942	U	PERCENT
SBRI07008004	0.013		0.0141	MG/KG	1.9		0.0404	MG/KG	1.9		0.000606	MG/KG	0.67956	U	PERCENT
SBRI07009000	0.032	J	0.0149	MG/KG	12.9	J	0.0425	MG/KG	13	J	0.0425	MG/KG	0.24745	U	PERCENT
SBRI07009004	0.016	J	0.0144	MG/KG	2.4	J	0.0411	MG/KG	2.4	J	0.0411	MG/KG	0.66225	U	PERCENT
SBRI07010000	0.0097	J	0.0147	MG/KG	1.6	J	0.0421	MG/KG	1.6	J	0.0421	MG/KG	0.6026	U	PERCENT
SBRI07010004	0.014	J	0.014	MG/KG	2.1	J	0.0401	MG/KG	2.1	J	0.0401	MG/KG	0.66225	U	PERCENT
SBRI11001000	0.0092		0.0143	MG/KG	1.6		0.0409	MG/KG	1.6		0.0409	MG/KG	0.57171	U	PERCENT
SBRI11001004	0.0081		0.0142	MG/KG	1.2		0.0407	MG/KG	1.2		0.0407	MG/KG	0.67047	U	PERCENT
SBRI11001004DUP	0.011		0.0146	MG/KG	1.7		0.0417	MG/KG	1.7		0.0417	MG/KG	0.6429	U	PERCENT
SBRI11002001	0.028		0.0147	MG/KG	9.4		0.042	MG/KG	9.4		0.000629	MG/KG	0.29699	U	PERCENT
SBRI11002001DUP	0.024		0.0148	MG/KG	7.6		0.0423	MG/KG	7.7		0.000635	MG/KG	0.3148	U	PERCENT
SBRI11002004	0.019		0.0148	MG/KG	5.8		0.0423	MG/KG	5.8		0.000634	MG/KG	0.32652	U	PERCENT
SBRI11003000	0.25		0.015	MG/KG	110		0.0427	MG/KG	110		0.000641	MG/KG	0.22676	U	PERCENT
SBRI11003004	0.025		0.0157	MG/KG	7.8		0.0448	MG/KG	7.8		0.000671	MG/KG	0.31949	U	PERCENT
SBRI11004000	0.091		0.0148	MG/KG	37.1		0.0424	MG/KG	37.2		0.000636	MG/KG	0.24468	U	PERCENT
SBRI11004008	0.076		0.0143	MG/KG	32.4		0.0409	MG/KG	32.5		0.000614	MG/KG	0.23402	U	PERCENT
SBRI11005000	0.022		0.0154	MG/KG	7.2	J	0.0439	MG/KG	7.2	J	0.0439	MG/KG	0.30462	U	PERCENT
SBRI11005009	0.64		0.0144	MG/KG	299	J	0.041	MG/KG	300	J	0.041	MG/KG	0.21359	U	PERCENT
SBRI11005065	0.011		0.0166	MG/KG	2	J	0.0474	MG/KG	2	J	0.0474	MG/KG	0.54699	U	PERCENT
SBRI11006000	0.035		0.015	MG/KG	13.5		0.043	MG/KG	13.5		0.000645	MG/KG	0.25859	U	PERCENT
SBRI11006004	0.018		0.0149	MG/KG	4.4		0.0425	MG/KG	4.4		0.000638	MG/KG	0.40742	U	PERCENT
SBRI11007000	0.034		0.0148	MG/KG	13.2		0.0422	MG/KG	13.3		0.000633	MG/KG	0.25691	U	PERCENT
SBRI11007004	7.1		0.153	MG/KG	3350		0.437	MG/KG	3360		0.00655	MG/KG	0.21149	U	PERCENT
SBRI11008000	0.17		0.0153	MG/KG	62.5		0.0438	MG/KG	62.7		0.000658	MG/KG	0.27126	U	PERCENT
SBRI11008004	2.6		0.0155	MG/KG	357		0.0443	MG/KG	360		0.000665	MG/KG	0.72303	U	PERCENT
SBRI11009000	0.011		0.0145	MG/KG	1.7		0.0415	MG/KG	1.7		0.0415	MG/KG	0.6429	U	PERCENT
SBRI11009004	0.0079		0.0149	MG/KG	1.2		0.0426	MG/KG	1.2		0.0426	MG/KG	0.65403	U	PERCENT
SBRI11010000	0.013		0.0148	MG/KG	2.6		0.0422	MG/KG	2.6		0.0422	MG/KG	0.49751	U	PERCENT
SBRI11010004	0.011		0.0142	MG/KG	1.7		0.0405	MG/KG	1.7		0.0405	MG/KG	0.6429	U	PERCENT
SBRI11011000	0.013		0.0147	MG/KG	3.4		0.0421	MG/KG	3.4		0.000631	MG/KG	0.3809	U	PERCENT
SBRI11011004	0.014		0.0148	MG/KG	1.9		0.0423	MG/KG	1.9		0.000634	MG/KG	0.73145	U	PERCENT
SBRI11012000	0.27		0.0144	MG/KG	119		0.0413	MG/KG	119		0.000619	MG/KG	0.22638	U	PERCENT
SBRI11012008	0.0097		0.0145	MG/KG	1.4		0.0415	MG/KG	1.4		0.000622	MG/KG	0.68809	U	PERCENT
SBRI11013000	0.0093		0.0145	MG/KG	1.4		0.0413	MG/KG	1.4		0.0413	MG/KG	0.6599	U	PERCENT
SBRI11014000	0.015		0.0146	MG/KG	3.2		0.0419	MG/KG	3.3		0.0419	MG/KG	0.46656	U	PERCENT
SBRI11015000	0.016		0.0146	MG/KG	3.9		0.0417	MG/KG	3.9		0.0417	MG/KG	0.40858	U	PERCENT
SBRI11016062	0.0312	J	0.0139	MG/KG	12.6	J	0.0398	MG/KG	12.6	J	0.0398	MG/KG	0.24701	U	PERCENT
SBRI11016066	0.013	J	0.0138	MG/KG	4.67	J	0.0394	MG/KG	4.68	J	0.0394	MG/KG	0.2776	U	PERCENT
SBRI11016070	0.0099	J	0.0139	MG/KG	2.14	J	0.0396	MG/KG	2.15	J	0.0396	MG/KG	0.46049	U	PERCENT
SBRI11016074	0.00795	J	0.0139	MG/KG	1.21	J	0.0398	MG/KG	1.22	J	0.0398	MG/KG	0.65274	U	PERCENT
SBRI11016078	0.00769	J	0.0138	MG/KG	1.21	J	0.0394	MG/KG	1.22	J	0.0394	MG/KG	0.63152	U	PERCENT
SSRI04001000	0.013		0.0166	MG/KG	3.3		0.0473	MG/KG	3.3		0.0473	MG/KG	0.39239	U	PERCENT
SSRI04001001	0.018	J	0.0162	MG/KG	5.8	J	0.0462	MG/KG	5.9	J	0.0462	MG/KG	0.30938	U	PERCENT
SSRI04002000	0.014	J	0.0153	MG/KG	2.4	J	0.0437	MG/KG	2.4	J	0.0437	MG/KG	0.57995	U	PERCENT

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SSRI04002001	0.0091		0.0145	MG/KG	2.9		0.0414	MG/KG	2.9		0.0414	MG/KG	0.31281	U	PERCENT
SSRI04003000	0.011		0.0167	MG/KG	2.8		0.0478	MG/KG	2.9		0.0478	MG/KG	0.39132	U	PERCENT
SSRI04003001	0.012	J	0.0146	MG/KG	1.8	J	0.0416	MG/KG	1.8	J	0.0416	MG/KG	0.66225	U	PERCENT
SSRI04004000	0.013		0.0172	MG/KG	3.8		0.0491	MG/KG	3.9		0.0491	MG/KG	0.34094	U	PERCENT
SSRI04004001	0.0094		0.0149	MG/KG	1.7		0.0426	MG/KG	1.7		0.0426	MG/KG	0.5499	U	PERCENT
SSRI04005000	0.12		0.0159	MG/KG	36.9		0.0455	MG/KG	37		0.0455	MG/KG	0.32415	U	PERCENT
SSRI04005001	0.16		0.0162	MG/KG	47.7		0.0463	MG/KG	47.9		0.0463	MG/KG	0.33431	U	PERCENT
SSRI04006000	0.092		0.0169	MG/KG	24.8	J	0.0483	MG/KG	24.9	J	0.0483	MG/KG	0.3696	U	PERCENT
SSRI04006001	0.079		0.0162	MG/KG	30	J	0.0462	MG/KG	30.1	J	0.0462	MG/KG	0.26264	U	PERCENT
SSRI04007000	0.009		0.0147	MG/KG	1.8		0.042	MG/KG	1.8		0.042	MG/KG	0.49751	U	PERCENT
SSRI04007001	0.03	J	0.0146	MG/KG	11.9	J	0.0418	MG/KG	11.9	J	0.0418	MG/KG	0.25147	U	PERCENT
SSRI04008000	0.47		0.0141	MG/KG	225		0.0404	MG/KG	225		0.0404	MG/KG	0.20845	U	PERCENT
SSRI04008001	0.013		0.0143	MG/KG	2		0.0409	MG/KG	2		0.0409	MG/KG	0.6458	U	PERCENT
SSRI04009000	0.01	J	0.0167	MG/KG	2.9	J	0.0478	MG/KG	2.9	J	0.0478	MG/KG	0.34364	U	PERCENT
SSRI04009001	0.029	J	0.0152	MG/KG	9.7	J	0.0436	MG/KG	9.7	J	0.0436	MG/KG	0.29808	U	PERCENT
SSRI04010000	0.046		0.0178	MG/KG	20.5	J	0.0507	MG/KG	20.6	J	0.0507	MG/KG	0.22389	U	PERCENT
SSRI04010001	0.014		0.0149	MG/KG	2.8	J	0.0427	MG/KG	2.8	J	0.0427	MG/KG	0.49751	U	PERCENT
SSRI04011000	0.093		0.0152	MG/KG	46		0.0435	MG/KG	46.1		0.0435	MG/KG	0.20177	U	PERCENT
SSRI04011001	0.1		0.0149	MG/KG	51.6		0.0426	MG/KG	51.7		0.0426	MG/KG	0.19342	U	PERCENT
SSRI04012000	0.028	J	0.0167	MG/KG	11	J	0.0478	MG/KG	11	J	0.0478	MG/KG	0.2539	U	PERCENT
SSRI04012000DUP	0.028	J	0.0165	MG/KG	11.1	J	0.0472	MG/KG	11.1	J	0.0472	MG/KG	0.25162	U	PERCENT
SSRI04012001	0.01		0.0157	MG/KG	2.7	J	0.045	MG/KG	2.7	J	0.045	MG/KG	0.369	U	PERCENT
SSRI04013000	0.089		0.0149	MG/KG	42		0.0425	MG/KG	42.1		0.0425	MG/KG	0.21146	U	PERCENT
SSRI04013001	0.1		0.0152	MG/KG	51.3		0.0435	MG/KG	51.4		0.0435	MG/KG	0.19455	U	PERCENT
SSRI04014000	0.057		0.0157	MG/KG	23.1	J	0.0449	MG/KG	23.2	J	0.0449	MG/KG	0.24615	U	PERCENT
SSRI04014001	0.015		0.0147	MG/KG	3.8	J	0.042	MG/KG	3.9	J	0.042	MG/KG	0.39318	U	PERCENT
SSRI04015000	0.033	J	0.0207	MG/KG	6.8	J	0.0592	MG/KG	6.8	J	0.0592	MG/KG	0.48295	U	PERCENT
SSRI04015001	0.021		0.0167	MG/KG	3.1		0.0477	MG/KG	3.1		0.0477	MG/KG	0.67286	U	PERCENT
SSRI04016000	0.015		0.0152	MG/KG	3.1		0.0434	MG/KG	3.1		0.0434	MG/KG	0.48154	U	PERCENT
SSRI04016001	0.015		0.0147	MG/KG	2.3		0.042	MG/KG	2.3		0.042	MG/KG	0.64795	U	PERCENT
SSRI04017000	0.014		0.0154	MG/KG	2.5		0.044	MG/KG	2.5		0.044	MG/KG	0.55688	U	PERCENT
SSRI04018000	0.034		0.0164	MG/KG	9.5	J	0.0468	MG/KG	9.6	J	0.0468	MG/KG	0.35662	U	PERCENT
SSRI04018000DUP	0.03		0.0161	MG/KG	7.3	J	0.046	MG/KG	7.3	J	0.046	MG/KG	0.40928	U	PERCENT
SSRI04019000	0.021		0.0196	MG/KG	8.1	J	0.0561	MG/KG	8.1	J	0.0561	MG/KG	0.25859	U	PERCENT
SSRI04019000DUP	0.024		0.0188	MG/KG	9.1	J	0.0538	MG/KG	9.2	J	0.0538	MG/KG	0.26304	U	PERCENT
SSRI04020000	0.015		0.0158	MG/KG	5		0.0451	MG/KG	5		0.0451	MG/KG	0.2991	U	PERCENT
SSRI04021000	0.013		0.0162	MG/KG	4.5	J	0.0462	MG/KG	4.5	J	0.0462	MG/KG	0.28806	U	PERCENT
SSRI07001000	0.045		0.0146	MG/KG	18.5	J	0.0417	MG/KG	18.5	J	0.0417	MG/KG	0.24265	U	PERCENT
SSRI07001001	0.017		0.0146	MG/KG	5.3	J	0.0416	MG/KG	5.3	J	0.0416	MG/KG	0.31973	U	PERCENT
SSRI07002000	0.017		0.0155	MG/KG	5.6	J	0.0444	MG/KG	5.6	J	0.0444	MG/KG	0.30265	U	PERCENT
SSRI07002001	0.011		0.0164	MG/KG	2.1	J	0.0468	MG/KG	2.1	J	0.0468	MG/KG	0.52108	U	PERCENT
SSRI07003000	0.027		0.0164	MG/KG	9.4	J	0.0468	MG/KG	9.5	J	0.0468	MG/KG	0.28641	U	PERCENT
SSRI07003001	0.0099		0.0161	MG/KG	1.7	J	0.0459	MG/KG	1.7	J	0.0459	MG/KG	0.57898	U	PERCENT
SSRI07004000	0.045		0.0161	MG/KG	19.1	J	0.0461	MG/KG	19.1	J	0.0461	MG/KG	0.23505	U	PERCENT
SSRI07004001	0.029		0.0153	MG/KG	9.8	J	0.0436	MG/KG	9.9	J	0.0436	MG/KG	0.29505	U	PERCENT
SSRI07005000	0.073		0.0211	MG/KG	30.9	J	0.0604	MG/KG	31	J	0.0604	MG/KG	0.23569	U	PERCENT
SSRI07005001	0.015		0.0174	MG/KG	3.5	J	0.0497	MG/KG	3.5	J	0.0497	MG/KG	0.42674	U	PERCENT
SSRI07006000	0.013	J	0.0188	MG/KG	4.3	J	0.0538	MG/KG	4.3	J	0.0538	MG/KG	0.30141	U	PERCENT
SSRI07006001	0.007	J	0.0159	MG/KG	1.3	J	0.0454	MG/KG	1.3	J	0.0454	MG/KG	0.53558	U	PERCENT
SSRI07007000	0.016	J	0.0213	MG/KG	6.7	J	0.0608	MG/KG	6.7	J	0.0608	MG/KG	0.23824	U	PERCENT
SSRI07007001	0.0081	J	0.0176	MG/KG	2	J	0.0504	MG/KG	2.1	J	0.0504	MG/KG	0.40337	U	PERCENT
SSRI07008000	0.32		0.0156	MG/KG	152	J	0.0445	MG/KG	153	J	0.0445	MG/KG	0.21008	U	PERCENT
SSRI07008001	0.33		0.0159	MG/KG	163	J	0.0454	MG/KG	163	J	0.0454	MG/KG	0.20204	U	PERCENT
SSRI07009000	0.022	J	0.0165	MG/KG	8.4	J	0.0471	MG/KG	8.4	J	0.0471	MG/KG	0.26122	U	PERCENT

TABLE 3
URANIUM IN SEDIMENT AND SOIL

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SSRI07009001	0.0068	J	0.0154	MG/KG	1.4	J	0.044	MG/KG	1.4	J	0.044	MG/KG	0.48337	U	PERCENT
SSRI07010000	0.014	J	0.0157	MG/KG	5.3	J	0.045	MG/KG	5.3	J	0.045	MG/KG	0.26346	U	PERCENT
SSRI07010001	0.0085	J	0.0157	MG/KG	1.8	J	0.0448	MG/KG	1.8	J	0.0448	MG/KG	0.47	U	PERCENT
SSRI07011000	0.72	J	0.0155	MG/KG	362	J	0.0444	MG/KG	363	J	0.0444	MG/KG	0.1985	U	PERCENT
SSRI07011001	1.9	J	0.016	MG/KG	956	J	0.0458	MG/KG	958	J	0.0458	MG/KG	0.19835	U	PERCENT
SSRI07012000	0.042	J	0.0167	MG/KG	18.8	J	0.0476	MG/KG	18.9	J	0.0476	MG/KG	0.22291	U	PERCENT
SSRI07012001	0.0076	J	0.0156	MG/KG	2.4	J	0.0445	MG/KG	2.4	J	0.0445	MG/KG	0.31567	U	PERCENT
SSRI07013000	0.006	J	0.015	MG/KG	1.7	J	0.0428	MG/KG	1.7	J	0.0428	MG/KG	0.3517	U	PERCENT
SSRI07013001	0.0052		0.0158	MG/KG	0.87	J	0.0452	MG/KG	0.87	J	0.0452	MG/KG	0.59415	U	PERCENT
SSRI07014000	0.033	J	0.0174	MG/KG	10.9	J	0.0497	MG/KG	10.9	J	0.0497	MG/KG	0.30184	U	PERCENT
SSRI07014000DUP	0.067	J	0.0176	MG/KG	25.8	J	0.0503	MG/KG	25.9	J	0.0503	MG/KG	0.25902	U	PERCENT
SSRI07014001	0.012	J	0.0159	MG/KG	2.8	J	0.0455	MG/KG	2.9	J	0.0455	MG/KG	0.42674	U	PERCENT
SSRI07015000	0.085	J	0.0157	MG/KG	38.7	J	0.0448	MG/KG	38.7	J	0.0448	MG/KG	0.21916	U	PERCENT
SSRI07015001	0.2	J	0.0154	MG/KG	95.4	J	0.044	MG/KG	95.6	J	0.044	MG/KG	0.20921	U	PERCENT
SSRI07016000	0.36		0.0171	MG/KG	175	J	0.049	MG/KG	175	J	0.049	MG/KG	0.20529	U	PERCENT
SSRI07016001	0.062		0.0162	MG/KG	28.5	J	0.0464	MG/KG	28.6	J	0.0464	MG/KG	0.21707	U	PERCENT
SSRI07017000	0.016	J	0.016	MG/KG	6.1	J	0.0456	MG/KG	6.1	J	0.0456	MG/KG	0.26161	U	PERCENT
SSRI07017001	0.0062	J	0.0156	MG/KG	1.2	J	0.0445	MG/KG	1.2	J	0.0445	MG/KG	0.51401	U	PERCENT
SSRI07018000	0.012	J	0.0159	MG/KG	4.3	J	0.0455	MG/KG	4.4	J	0.0455	MG/KG	0.27829	U	PERCENT
SSRI07018001	0.0063	J	0.0163	MG/KG	1.3	J	0.0465	MG/KG	1.3	J	0.0465	MG/KG	0.48228	U	PERCENT
SSRI09001000	0.028		0.0179	MG/KG	8.7	J	0.0511	MG/KG	8.7	J	0.0511	MG/KG	0.32081	U	PERCENT
SSRI09001000DUP	0.024		0.0169	MG/KG	6.9	J	0.0483	MG/KG	7	J	0.0483	MG/KG	0.34662	U	PERCENT
SSRI09002000	0.015		0.0169	MG/KG	3.9	J	0.0484	MG/KG	3.9	J	0.0484	MG/KG	0.38314	U	PERCENT
SSRI09003000	0.057		0.0211	MG/KG	20.7	J	0.0604	MG/KG	20.8	J	0.0604	MG/KG	0.27461	U	PERCENT
SSRI09003001	0.017		0.0154	MG/KG	4.8	J	0.044	MG/KG	4.8	J	0.044	MG/KG	0.35292	U	PERCENT
SSRI09004000	0.024		0.0189	MG/KG	7.1	J	0.0539	MG/KG	7.2	J	0.0539	MG/KG	0.33689	U	PERCENT
SSRI09004001	0.019		0.0158	MG/KG	5.8	J	0.0452	MG/KG	5.8	J	0.0452	MG/KG	0.32652	U	PERCENT
SSRI09005000	0.16		0.0234	MG/KG	50.4	J	0.0669	MG/KG	50.6	J	0.0669	MG/KG	0.31646	U	PERCENT
SSRI09005001	0.038		0.0176	MG/KG	11.1	J	0.0504	MG/KG	11.1	J	0.0504	MG/KG	0.34117	U	PERCENT
SSRI09006000	0.058		0.019	MG/KG	15.6	J	0.0542	MG/KG	15.6	J	0.0542	MG/KG	0.37042	U	PERCENT
SSRI09007000	0.026		0.0187	MG/KG	6.9	J	0.0535	MG/KG	7	J	0.0535	MG/KG	0.3754	U	PERCENT
SSRI09008000	0.062		0.0211	MG/KG	22.1	J	0.0603	MG/KG	22.1	J	0.0603	MG/KG	0.27976	U	PERCENT
SSRI09009000	0.021		0.0189	MG/KG	6.5	J	0.0541	MG/KG	6.5	J	0.0541	MG/KG	0.32204	U	PERCENT
SSRI09010000	0.16		0.0181	MG/KG	725		0.0517	MG/KG	726		0.0517	MG/KG	0.02206	U	PERCENT
SSRI09011000	0.37		0.0216	MG/KG	1580		0.0618	MG/KG	1580		0.0618	MG/KG	0.02341	U	PERCENT
SSRI09011001	0.28		0.017	MG/KG	1300		0.0486	MG/KG	1300		0.0486	MG/KG	0.02153	U	PERCENT
SSRI09012000	0.96		0.081	MG/KG	4790		0.231	MG/KG	4790		0.231	MG/KG	0.02004	U	PERCENT
SSRI09013000	0.02		0.0149	MG/KG	7.3		0.0425	MG/KG	7.3		0.0425	MG/KG	0.27322	U	PERCENT
SSRI09014000	0.18		0.0163	MG/KG	792		0.0467	MG/KG	792		0.0467	MG/KG	0.02272	U	PERCENT
SSRI09014001	0.27		0.0217	MG/KG	1240		0.0619	MG/KG	1240		0.0619	MG/KG	0.02177	U	PERCENT
SSRI09015000	0.06		0.0175	MG/KG	92.5		0.0501	MG/KG	92.6		0.0501	MG/KG	0.06482	U	PERCENT
SSRI09016000	0.15		0.0157	MG/KG	696		0.0449	MG/KG	696		0.0449	MG/KG	0.02155	U	PERCENT
SSRI09016001	0.33		0.0157	MG/KG	1460		0.0448	MG/KG	1460		0.0448	MG/KG	0.0226	U	PERCENT
SSRI09017000	0.18		0.0152	MG/KG	480		0.0435	MG/KG	480		0.0435	MG/KG	0.03749	U	PERCENT
SSRI09018000	0.11		0.0166	MG/KG	407		0.0473	MG/KG	407		0.0473	MG/KG	0.02702	U	PERCENT
SSRI09019000	0.012		0.0165	MG/KG	2.6		0.047	MG/KG	2.7		0.047	MG/KG	0.45942	U	PERCENT
SSRI09020000	0.0064		0.015	MG/KG	1.4		0.0429	MG/KG	1.4		0.0429	MG/KG	0.45506	U	PERCENT
SSRI09020001	0.0066		0.0154	MG/KG	1.4		0.044	MG/KG	1.4		0.044	MG/KG	0.46922	U	PERCENT
SSRI09021000	0.0078		0.0152	MG/KG	2		0.0434	MG/KG	2		0.0434	MG/KG	0.38848	U	PERCENT
SSRI09022000	0.011		0.0153	MG/KG	2.7		0.0437	MG/KG	2.7		0.0437	MG/KG	0.40575	U	PERCENT
SSRI09023000	0.012		0.0147	MG/KG	3.3		0.0421	MG/KG	3.3		0.0421	MG/KG	0.36232	U	PERCENT
SSRI09023001	0.045		0.0168	MG/KG	18.6		0.0481	MG/KG	18.7		0.0481	MG/KG	0.24135	U	PERCENT
SSRI09024000	0.0075		0.0146	MG/KG	1.3		0.0418	MG/KG	1.3		0.0418	MG/KG	0.57361	U	PERCENT
SSRI09025000	0.0064		0.0165	MG/KG	1.4		0.0472	MG/KG	1.4		0.0472	MG/KG	0.45506	U	PERCENT

TABLE 3
URANIUM IN SEDIMENT AND SOIL

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SSRI09025001	0.0095		0.0166	MG/KG	2		0.0475	MG/KG	2.1		0.0475	MG/KG	0.47275	U	PERCENT
SSRI09026000	0.016		0.0169	MG/KG	5		0.0483	MG/KG	5.1		0.0483	MG/KG	0.31898	U	PERCENT
SSRI09027000	0.0052		0.0147	MG/KG	0.89		0.042	MG/KG	0.89		0.042	MG/KG	0.58088	U	PERCENT
SSRI14001000	0.0062		0.015	MG/KG	1.4		0.0427	MG/KG	1.4		0.0427	MG/KG	0.4409	U	PERCENT
SSRI14002000	0.0066		0.0166	MG/KG	1.3		0.0474	MG/KG	1.3		0.0474	MG/KG	0.50513	U	PERCENT
SSRI14003000	0.0086		0.0168	MG/KG	1.7		0.048	MG/KG	1.7		0.048	MG/KG	0.50334	U	PERCENT
SSRI14004000	0.0098		0.0164	MG/KG	2.2		0.0469	MG/KG	2.2		0.0469	MG/KG	0.44348	U	PERCENT
SSRI14005000	0.0087		0.0173	MG/KG	2		0.0495	MG/KG	2		0.0495	MG/KG	0.43312	U	PERCENT
SSRI14006000	0.0063		0.0158	MG/KG	1		0.0452	MG/KG	1.1		0.0452	MG/KG	0.62606	U	PERCENT
SSRI14007000	0.0047		0.0164	MG/KG	1.3		0.0467	MG/KG	1.3		0.0631	MG/KG	0.36024	U	PERCENT
SSRI14008000	0.01		0.0184	MG/KG	3.3		0.0526	MG/KG	3.4		0.0526	MG/KG	0.30211	U	PERCENT
SSRI14009000	0.0085		0.0161	MG/KG	2.1		0.0461	MG/KG	2.1		0.0461	MG/KG	0.40313	U	PERCENT
SSRI14009000DUP	0.0073		0.0159	MG/KG	2.1		0.0455	MG/KG	2.1		0.0455	MG/KG	0.34641	U	PERCENT
SSRI14010000	0.012		0.016	MG/KG	2.3		0.0457	MG/KG	2.4		0.0457	MG/KG	0.51903	U	PERCENT
SSRI14011000	0.0098		0.0167	MG/KG	3.1		0.0477	MG/KG	3.1		0.0477	MG/KG	0.31513	U	PERCENT
SSRI14012000	0.011		0.0164	MG/KG	3		0.0468	MG/KG	3		0.0468	MG/KG	0.36533	U	PERCENT
SSRI14013000	0.0073		0.0165	MG/KG	1.9		0.0471	MG/KG	1.9		0.0471	MG/KG	0.38274	U	PERCENT
SSRI14013000DUP	0.0066		0.0164	MG/KG	1.8		0.0468	MG/KG	1.8		0.0632	MG/KG	0.36533	U	PERCENT
SSRI14014000	0.0094		0.0156	MG/KG	2.3		0.0446	MG/KG	2.3		0.0446	MG/KG	0.40703	U	PERCENT
SSRI14015000	0.012		0.0165	MG/KG	2.2		0.0471	MG/KG	2.2		0.0471	MG/KG	0.5425	U	PERCENT
SSRI14016000	0.0088		0.017	MG/KG	2		0.0487	MG/KG	2		0.0487	MG/KG	0.43807	U	PERCENT
SSRI14017000	0.0053		0.0163	MG/KG	1.5		0.0464	MG/KG	1.5		0.0627	MG/KG	0.35209	U	PERCENT
SSRI14018000	0.0069		0.0157	MG/KG	1.5		0.0447	MG/KG	1.5		0.0447	MG/KG	0.45789	U	PERCENT
SSRI14019000	0.0097		0.0171	MG/KG	2.5		0.0487	MG/KG	2.5		0.0487	MG/KG	0.3865	U	PERCENT
SSRI14020000	0.0084		0.0159	MG/KG	2.3		0.0455	MG/KG	2.4		0.0455	MG/KG	0.36389	U	PERCENT
SSRI14021000	0.0064		0.016	MG/KG	1.7		0.0457	MG/KG	1.7		0.0617	MG/KG	0.37506	U	PERCENT
SSRI14022000	0.0061		0.0157	MG/KG	1.3		0.045	MG/KG	1.3		0.045	MG/KG	0.46704	U	PERCENT
SSRI14023000	0.0084		0.0168	MG/KG	2.7		0.0481	MG/KG	2.7		0.0481	MG/KG	0.31015	U	PERCENT
SSRI14024000	0.0077		0.0168	MG/KG	1.7		0.0481	MG/KG	1.7		0.0481	MG/KG	0.4509	U	PERCENT
SSRI14025000	0.011		0.0168	MG/KG	3.6		0.0479	MG/KG	3.6		0.0479	MG/KG	0.30462	U	PERCENT
SSRI14026000	0.0081		0.0171	MG/KG	2.3		0.0488	MG/KG	2.4		0.0659	MG/KG	0.35094	U	PERCENT
SSRI14027000	0.0061		0.0171	MG/KG	2		0.049	MG/KG	2		0.0661	MG/KG	0.30407	U	PERCENT
SSRI14028000	0.0059		0.0159	MG/KG	1.5		0.0456	MG/KG	1.5		0.0456	MG/KG	0.39179	U	PERCENT
SSRI14029000	0.0098		0.0167	MG/KG	2.5		0.0477	MG/KG	2.6		0.0477	MG/KG	0.39047	U	PERCENT
SSRI14030000	0.0087		0.0179	MG/KG	2		0.0511	MG/KG	2		0.0511	MG/KG	0.43312	U	PERCENT
SSRI14030000DUP	0.0094		0.0178	MG/KG	2.2		0.0509	MG/KG	2.2		0.0509	MG/KG	0.42545	U	PERCENT
SSRI14031000	0.01		0.0172	MG/KG	2.9		0.049	MG/KG	2.9		0.049	MG/KG	0.34364	U	PERCENT
SSRI14032000	0.015		0.0165	MG/KG	3.3		0.0471	MG/KG	3.3		0.0635	MG/KG	0.45249	U	PERCENT
SSRI14033000	0.01		0.0164	MG/KG	2.8		0.0469	MG/KG	2.8		0.0633	MG/KG	0.35587	U	PERCENT
SSRI14034000	0.0095		0.0163	MG/KG	2.4		0.0466	MG/KG	2.4		0.0466	MG/KG	0.39427	U	PERCENT
SSRI14035000	0.046	J	0.0153	MG/KG	18.4	J	0.0438	MG/KG	18.4	J	0.0591	MG/KG	0.24938	U	PERCENT
SSRI14036000	0.0416	J	0.0153	MG/KG	15.86	J	0.0438	MG/KG	15.9	J	0.0591	MG/KG	0.26161	U	PERCENT
SSRI14036000DUP	0.022	J	0.0151	MG/KG	7.84	J	0.043	MG/KG	7.87	J	0.0581	MG/KG	0.27983	U	PERCENT
SSRI14037000	0.0266	J	0.0143	MG/KG	10.28	J	0.0408	MG/KG	10.31	J	0.0551	MG/KG	0.25809	U	PERCENT
SSRI14038000	0.016	J	0.0155	MG/KG	4.49	J	0.0443	MG/KG	4.48	J	0.0599	MG/KG	0.35508	U	PERCENT
SSRI14039000	0.011		0.0161	MG/KG	3.5		0.0461	MG/KG	3.5		0.0461	MG/KG	0.3133	U	PERCENT
SSRI14040000	0.018		0.0183	MG/KG	5.6		0.0523	MG/KG	5.6		0.0523	MG/KG	0.3204	U	PERCENT
SSRI14041000	0.079		0.0182	MG/KG	34.5		0.0519	MG/KG	34.6		0.0519	MG/KG	0.22846	U	PERCENT
SSRI14042000	0.23		0.0177	MG/KG	96.5		0.0506	MG/KG	96.7		0.0506	MG/KG	0.23778	U	PERCENT
SSRI14043000	0.026		0.0153	MG/KG	9.6		0.0436	MG/KG	9.6		0.0436	MG/KG	0.2701	U	PERCENT
SSRI14044000	0.025		0.016	MG/KG	8.7		0.0457	MG/KG	8.7		0.0457	MG/KG	0.28653	U	PERCENT
SSRI14045000	0.022		0.0162	MG/KG	8.4		0.0464	MG/KG	8.4		0.0464	MG/KG	0.26122	U	PERCENT
SSRI14046000	0.0079		0.0168	MG/KG	2.3		0.0481	MG/KG	2.3		0.065	MG/KG	0.3423	U	PERCENT
SSRI14047000	0.028		0.0154	MG/KG	7.5		0.0441	MG/KG	7.6		0.0441	MG/KG	0.37194	U	PERCENT

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
SSRI14048000	0.0084		0.0148	MG/KG	1.6		0.0422	MG/KG	1.6		0.0569	MG/KG	0.52226	U	PERCENT
SSRI14049000	0.0074	J	0.0224	MG/KG	2.05	J	0.0641	MG/KG	2.06	J	0.0865	MG/KG	0.35968	U	PERCENT
SSRI14050000	0.0089	J	0.0189	MG/KG	2.32	J	0.0541	MG/KG	2.32	J	0.0731	MG/KG	0.38215	U	PERCENT
SSRI14051000	0.011	J	0.0169	MG/KG	1.74	J	0.0483	MG/KG	1.76	J	0.0652	MG/KG	0.62821	U	PERCENT
SSRI14052000	0.013	J	0.0176	MG/KG	2.37	J	0.0502	MG/KG	2.38	J	0.0677	MG/KG	0.54553	U	PERCENT
SSRI14053000	0.0067	J	0.018	MG/KG	1.27	J	0.0513	MG/KG	1.27	J	0.0693	MG/KG	0.52479	U	PERCENT
SSRI14054000	0.0079	J	0.0157	MG/KG	1.41	J	0.045	MG/KG	1.42	J	0.0607	MG/KG	0.55716	U	PERCENT
SSRI14055000	0.0071	J	0.0156	MG/KG	1.33	J	0.0446	MG/KG	1.34	J	0.0601	MG/KG	0.531	U	PERCENT
SSRI14056000	0.022	J	0.0172	MG/KG	6.03	J	0.049	MG/KG	6.05	J	0.0662	MG/KG	0.36352	U	PERCENT
SSRI14057000	0.0066	J	0.0166	MG/KG	1.2	J	0.0473	MG/KG	1.2	J	0.0639	MG/KG	0.54699	U	PERCENT
SSRI14058000	0.0098	J	0.0163	MG/KG	1.99	J	0.0467	MG/KG	2	J	0.063	MG/KG	0.49005	U	PERCENT
SSRI14059000	0.012	J	0.0149	MG/KG	2.04	J	0.0425	MG/KG	2.05	J	0.0574	MG/KG	0.5848	U	PERCENT
SSRI14060000	0.025	J	0.0153	MG/KG	8.27	J	0.0436	MG/KG	8.29	J	0.0589	MG/KG	0.30139	U	PERCENT
SSRI14061000	0.0082	J	0.0191	MG/KG	1.85	J	0.0546	MG/KG	1.86	J	0.0737	MG/KG	0.44129	U	PERCENT
SSRI14062000	0.0075		0.016	MG/KG	1.1		0.0456	MG/KG	1.1		0.0616	MG/KG	0.6772	U	PERCENT
SSRI14063000	0.0055		0.0176	MG/KG	1.3		0.0503	MG/KG	1.3		0.0679	MG/KG	0.42129	U	PERCENT
SSRI14064000	0.027	J	0.0167	MG/KG	8.25	J	0.0476	MG/KG	8.27	J	0.0643	MG/KG	0.32621	U	PERCENT
SSRI14065000	0.0076		0.0177	MG/KG	1.9		0.0505	MG/KG	1.9		0.0682	MG/KG	0.39841	U	PERCENT
SSRI14066000	0.0061		0.017	MG/KG	1.2		0.0485	MG/KG	1.2		0.0655	MG/KG	0.50576	U	PERCENT
SSRI14067000	0.0089		0.02	MG/KG	2.2		0.0572	MG/KG	2.2		0.0772	MG/KG	0.40292	U	PERCENT
SSRI14068000	0.015		0.0183	MG/KG	5.4		0.0522	MG/KG	5.4		0.0705	MG/KG	0.27701	U	PERCENT
SSRI14069000	0.0095		0.0179	MG/KG	2.3		0.0513	MG/KG	2.3		0.0692	MG/KG	0.41134	U	PERCENT
SSRI14070000	0.014		0.0175	MG/KG	4.5		0.05	MG/KG	4.5		0.0675	MG/KG	0.31015	U	PERCENT
SSRI14071000	0.019		0.0162	MG/KG	6.4		0.0464	MG/KG	6.4		0.0627	MG/KG	0.296	U	PERCENT
SSRI14072000	0.019		0.0169	MG/KG	7.8		0.0483	MG/KG	7.8		0.0483	MG/KG	0.243	U	PERCENT
SSRI14073000	0.011		0.0171	MG/KG	4.4		0.0487	MG/KG	4.4		0.0487	MG/KG	0.24938	U	PERCENT
SSRI14074000	0.066		0.0151	MG/KG	26.3		0.0432	MG/KG	26.4		0.0432	MG/KG	0.25032	U	PERCENT
SSRI14075000	0.0096		0.0165	MG/KG	2.3		0.047	MG/KG	2.3		0.047	MG/KG	0.41566	U	PERCENT
SSRI14076000	0.039		0.0148	MG/KG	16		0.0422	MG/KG	16		0.0422	MG/KG	0.24316	U	PERCENT
SSRI14077000	0.012		0.0157	MG/KG	3.7		0.0448	MG/KG	3.7		0.0448	MG/KG	0.32328	U	PERCENT
SSRI15028000	11.2		0.161	MG/KG	5060		0.461	MG/KG	5070		0.461	MG/KG	0.22086	U	PERCENT
SSRI17001000	0.005		0.0158	MG/KG	0.73		0.0453	MG/KG	0.73		0.0453	MG/KG	0.68027	U	PERCENT
SSRI17002000	0.0045		0.0166	MG/KG	0.66		0.0473	MG/KG	0.67		0.0473	MG/KG	0.6772	U	PERCENT
SSRI17003000	0.0056		0.0164	MG/KG	0.86		0.0469	MG/KG	0.87		0.0469	MG/KG	0.64695	U	PERCENT
SSRI17004000	0.0056		0.0164	MG/KG	0.82		0.0469	MG/KG	0.83		0.0469	MG/KG	0.67829	U	PERCENT
SSRI17005000	0.0048		0.016	MG/KG	0.69		0.0458	MG/KG	0.69		0.0458	MG/KG	0.69085	U	PERCENT
SSRI17005000DUP	0.0054		0.0165	MG/KG	0.81		0.0472	MG/KG	0.82		0.0472	MG/KG	0.66225	U	PERCENT
SSRI17006000	0.0048		0.0177	MG/KG	0.74		0.0507	MG/KG	0.74		0.0507	MG/KG	0.64447	U	PERCENT
SSRI17007000	0.0071		0.0171	MG/KG	1.1		0.0489	MG/KG	1.1		0.0489	MG/KG	0.64132	U	PERCENT
SSRI17008000	0.0048		0.016	MG/KG	0.73		0.0458	MG/KG	0.73		0.0458	MG/KG	0.65324	U	PERCENT
SSRI17009000	0.0084		0.0178	MG/KG	1.3		0.0508	MG/KG	1.3		0.0508	MG/KG	0.64201	U	PERCENT
SSRI17010000	0.0084		0.0158	MG/KG	1.2		0.0453	MG/KG	1.3		0.0453	MG/KG	0.69513	U	PERCENT
SSRI17010000DUP	0.0088		0.0166	MG/KG	1.3		0.0475	MG/KG	1.3		0.0475	MG/KG	0.67237	U	PERCENT
SSRI17011000	0.0083		0.0149	MG/KG	1.3		0.0427	MG/KG	1.3		0.0427	MG/KG	0.63441	U	PERCENT
SSRI17012000	0.0086		0.0163	MG/KG	1.3		0.0466	MG/KG	1.3		0.0466	MG/KG	0.65719	U	PERCENT
SSRI17013000	0.0079		0.0173	MG/KG	1.2		0.0495	MG/KG	1.2		0.0495	MG/KG	0.65403	U	PERCENT
SSRI17014000	0.0071		0.0161	MG/KG	1.1		0.0459	MG/KG	1.1		0.0459	MG/KG	0.64132	U	PERCENT
SSRI17015000	0.0083		0.0165	MG/KG	1.2		0.0472	MG/KG	1.2		0.0472	MG/KG	0.68692	U	PERCENT
TPRI01001010	0.03		0.0154	MG/KG	11.6		0.0441	MG/KG	11.7		0.0441	MG/KG	0.25795	U	PERCENT
TPRI03010000	0.0077		0.0168	MG/KG	1.3		0.048	MG/KG	1.3		0.048	MG/KG	0.58882	U	PERCENT
TPRI03010004	0.014		0.0149	MG/KG	2.1		0.0426	MG/KG	2.1		0.0426	MG/KG	0.66225	U	PERCENT
TPRI03010004DUP	0.025		0.0148	MG/KG	3.8		0.0422	MG/KG	3.8		0.0422	MG/KG	0.65359	U	PERCENT
TPRI03011000	0.025		0.0162	MG/KG	3.9		0.0462	MG/KG	3.9		0.0462	MG/KG	0.63694	U	PERCENT
TPRI03011004	0.017		0.0167	MG/KG	2.6		0.0477	MG/KG	2.6		0.0477	MG/KG	0.6496	U	PERCENT

TABLE 3
URANIUM IN SEDIMENT AND SOIL

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
TPRI03012000	0.011		0.015	MG/KG	1.7		0.0428	MG/KG	1.7		0.0428	MG/KG	0.6429	U	PERCENT
TPRI03012004	0.0098		0.0146	MG/KG	1.5		0.0417	MG/KG	1.5		0.0417	MG/KG	0.64909	U	PERCENT
TPRI03013000	0.013		0.0151	MG/KG	2.4		0.0431	MG/KG	2.4		0.0431	MG/KG	0.53875	U	PERCENT
TPRI03013004	0.01		0.0152	MG/KG	1.6		0.0433	MG/KG	1.6		0.0433	MG/KG	0.62112	U	PERCENT
TPRI03014000	0.02		0.0168	MG/KG	4.6		0.0479	MG/KG	4.6		0.0479	MG/KG	0.4329	U	PERCENT
TPRI03014004	0.017		0.0148	MG/KG	2.5		0.0423	MG/KG	2.5		0.0423	MG/KG	0.67541	U	PERCENT
TPRI03015000	0.2		0.0161	MG/KG	27		0.0461	MG/KG	27.2		0.0461	MG/KG	0.73529	U	PERCENT
TPRI03015004	0.01		0.0152	MG/KG	1.5		0.0433	MG/KG	1.6		0.0433	MG/KG	0.66225	U	PERCENT
TPRI03016000	0.032		0.0147	MG/KG	5		0.042	MG/KG	5.1		0.042	MG/KG	0.63593	U	PERCENT
TPRI03016004	0.014		0.0147	MG/KG	2.1		0.0421	MG/KG	2.1		0.0421	MG/KG	0.66225	U	PERCENT
TPRI03017000	0.014		0.0179	MG/KG	3.9		0.0511	MG/KG	3.9		0.0511	MG/KG	0.35769	U	PERCENT
TPRI03017004	0.013		0.0157	MG/KG	1.9		0.0449	MG/KG	2		0.0449	MG/KG	0.67956	U	PERCENT
TPRI03018000	0.019		0.0164	MG/KG	5.1		0.0468	MG/KG	5.1		0.0468	MG/KG	0.37117	U	PERCENT
TPRI03018004	0.01		0.0144	MG/KG	1.6		0.0412	MG/KG	1.6		0.0412	MG/KG	0.62112	U	PERCENT
TPRI03019000	0.013		0.0153	MG/KG	2.6		0.0438	MG/KG	2.6		0.0438	MG/KG	0.49751	U	PERCENT
TPRI03019004	0.012		0.0149	MG/KG	1.8		0.0426	MG/KG	1.9		0.0426	MG/KG	0.66225	U	PERCENT
TPRI03020000	0.0099		0.0161	MG/KG	1.5		0.046	MG/KG	1.5		0.046	MG/KG	0.65567	U	PERCENT
TPRI03020004	0.0066		0.0153	MG/KG	1		0.0438	MG/KG	1		0.0438	MG/KG	0.65567	U	PERCENT
TPRI08001000	0.02		0.0145	MG/KG	7.5		0.0414	MG/KG	7.5		0.0414	MG/KG	0.26596	U	PERCENT
TPRI08001002	0.025		0.0148	MG/KG	9.6	J	0.0423	MG/KG	9.6	J	0.0423	MG/KG	0.25974	U	PERCENT
TPRI08001002DUP	0.023		0.0148	MG/KG	8.6	J	0.0422	MG/KG	8.6	J	0.0422	MG/KG	0.26673	U	PERCENT
TPRI08001004	0.0099		0.0154	MG/KG	2.3		0.0441	MG/KG	2.3		0.0441	MG/KG	0.42859	U	PERCENT
TPRI08002000	0.15		0.0157	MG/KG	65.2		0.0448	MG/KG	65.3		0.0448	MG/KG	0.22953	U	PERCENT
TPRI08002002	0.23		0.0156	MG/KG	94		0.0447	MG/KG	94.3		0.0447	MG/KG	0.24408	U	PERCENT
TPRI08002004	0.0094		0.015	MG/KG	2.4		0.0429	MG/KG	2.4		0.0429	MG/KG	0.39014	U	PERCENT
TPRI08003000	0.095		0.0156	MG/KG	41		0.0445	MG/KG	41.1		0.0445	MG/KG	0.23117	U	PERCENT
TPRI08003002	0.086		0.0157	MG/KG	36.2		0.0448	MG/KG	36.3		0.0448	MG/KG	0.23701	U	PERCENT
TPRI08003004	0.0085		0.0149	MG/KG	1.8		0.0427	MG/KG	1.8		0.0427	MG/KG	0.47	U	PERCENT
TPRI08004000	0.072		0.0154	MG/KG	28.2	J	0.0441	MG/KG	28.2	J	0.0441	MG/KG	0.25467	U	PERCENT
TPRI08004002	0.11		0.0154	MG/KG	44.8	J	0.0441	MG/KG	44.9	J	0.0441	MG/KG	0.24493	U	PERCENT
TPRI08004003	0.009		0.0158	MG/KG	1.6	J	0.045	MG/KG	1.6	J	0.045	MG/KG	0.55935	U	PERCENT
TPRI08005000	0.084		0.0156	MG/KG	30.9	J	0.0446	MG/KG	31	J	0.0446	MG/KG	0.27111	U	PERCENT
TPRI08005002	0.084		0.0155	MG/KG	32.1	J	0.0443	MG/KG	32.2	J	0.0443	MG/KG	0.261	U	PERCENT
TPRI08005003	0.013		0.0162	MG/KG	2.9	J	0.0463	MG/KG	2.9	J	0.0463	MG/KG	0.44628	U	PERCENT
TPRI08006000	0.085		0.0158	MG/KG	21	J	0.0451	MG/KG	21.1	J	0.0451	MG/KG	0.40313	U	PERCENT
TPRI08006001	0.061		0.0156	MG/KG	19.6	J	0.0446	MG/KG	19.7	J	0.0446	MG/KG	0.31026	U	PERCENT
TPRI08006003	0.024		0.0152	MG/KG	9.1	J	0.0435	MG/KG	9.1	J	0.0435	MG/KG	0.26304	U	PERCENT
TPRI08007000	0.013		0.0154	MG/KG	4.2	J	0.0441	MG/KG	4.2	J	0.0441	MG/KG	0.30857	U	PERCENT
TPRI08007001	0.024		0.0161	MG/KG	10.3	J	0.0459	MG/KG	10.3	J	0.0459	MG/KG	0.23247	U	PERCENT
TPRI08007003	0.019		0.016	MG/KG	6	J	0.0458	MG/KG	6	J	0.0458	MG/KG	0.31567	U	PERCENT
TPRI08008000	0.0065		0.0151	MG/KG	1.6	J	0.0433	MG/KG	1.6	J	0.0433	MG/KG	0.40461	U	PERCENT
TPRI08008001	0.009		0.0144	MG/KG	2	J	0.041	MG/KG	2	J	0.041	MG/KG	0.44798	U	PERCENT
TPRI08008003	0.076		0.0158	MG/KG	28	J	0.0453	MG/KG	28	J	0.0453	MG/KG	0.27069	U	PERCENT
TPRI08009000	0.023		0.0168	MG/KG	8.6	J	0.0481	MG/KG	8.6	J	0.0481	MG/KG	0.26673	U	PERCENT
TPRI08009002	0.029		0.0169	MG/KG	10.7	J	0.0483	MG/KG	10.7	J	0.0483	MG/KG	0.2703	U	PERCENT
TPRI08009003	0.011		0.0164	MG/KG	2	J	0.0469	MG/KG	2	J	0.0469	MG/KG	0.54699	U	PERCENT
TSRI02B01008	0.084	J	0.0155	MG/KG	17.8	J	0.0442	MG/KG	17.9	J	0.0442	MG/KG	0.46969	U	PERCENT
TSRI02B02010	0.021	J	0.0141	MG/KG	5.6	J	0.0404	MG/KG	5.6	J	0.0404	MG/KG	0.3736	U	PERCENT
TSRI02B02010DUP															

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Uranium-235 as Mass				6020 Uranium-238 as Mass				6020 Uranium				6020 Uranium-235, Enrichment - Uncorrected		
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	uom
TSRI02B03010	0.04	J	0.0155	MG/KG	14.7	J	0.0444	MG/KG	14.8	J	0.0444	MG/KG	0.27137	U	PERCENT
TSRI02S01002	0.0091	J	0.0148	MG/KG	1.4	J	0.0423	MG/KG	1.4	J	0.0423	MG/KG	0.6458	U	PERCENT
TSRI02S02002	0.034	J	0.0153	MG/KG	11.4	J	0.0438	MG/KG	11.5	J	0.0438	MG/KG	0.29736	U	PERCENT
TSRI02S03002	0.012	J	0.0151	MG/KG	2.3	J	0.0432	MG/KG	2.3	J	0.0432	MG/KG	0.51903	U	PERCENT
TSRI02S03002DUP	0.011	J	0.0154	MG/KG	1.6	J	0.0439	MG/KG	1.6	J	0.0439	MG/KG	0.68281	U	PERCENT
TSRI02S04010	0.011	J	0.0143	MG/KG	1.8	J	0.0409	MG/KG	1.8	J	0.0409	MG/KG	0.6074	U	PERCENT
TSRI02S05008	0.1	J	0.0157	MG/KG	49.3	J	0.0449	MG/KG	49.4	J	0.0449	MG/KG	0.20243	U	PERCENT
TSRI02S06008	0.047	J	0.0147	MG/KG	18.4	J	0.0421	MG/KG	18.4	J	0.0421	MG/KG	0.25478	U	PERCENT
TSRI02S07012	0.0099	J	0.0164	MG/KG	1.8	J	0.0469	MG/KG	1.8	J	0.0469	MG/KG	0.54699	U	PERCENT
TSRI02S08010	0.013	J	0.0156	MG/KG	3.5	J	0.0445	MG/KG	3.5	J	0.0445	MG/KG	0.37005	U	PERCENT

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	8.85	1.46		0.229	PCI/G	0.587	0.274		0.187	PCI/G	19.8	2.81		0.197	PCI/G
SDRI06001001	1.08	0.281		0.0954	PCI/G	0.137	0.0972	J	0.101	PCI/G	3	0.543	J	0.132	PCI/G
SDRI06001002	0.382	0.217	J	0.2	PCI/G	0.0611	0.0851	U	0.0917	PCI/G	0.655	0.283		0.152	PCI/G
SDRI06005000															
SDRI06005001															
SDRI06005002															
SDRI06009000															
SDRI06009001															
SDRI06009001DUP															
SDRI06009002															
SDRI09001000	0.68	0.334		0.259	PCI/G	0.0396	0.0777	U	0.119	PCI/G	1.4	0.494	J	0.232	PCI/G
SDRI09002000	0.52	0.247		0.284	PCI/G	0.0947	0.113	U	0.202	PCI/G	1.27	0.381	J	0.222	PCI/G
SDRI09002000DUP	0.421	0.246	J	0.317	PCI/G	0.0613	0.106	U	0.227	PCI/G	1.4	0.434	J	0.176	PCI/G
SDRI09003000	1.69	0.493		0.182	PCI/G	0.0623	0.0868	U	0.0935	PCI/G	7.2	1.32		0.182	PCI/G
SDRI09004000	0.519	0.24		0.139	PCI/G	-0.00669	0.0563	U	0.147	PCI/G	1.01	0.347	J	0.163	PCI/G
SDRI10001000															
SDRI10002000															
SDRI10003000	0.781	0.3		0.139	PCI/G	0.0703	0.0969	U	0.174	PCI/G	0.736	0.295		0.198	PCI/G
SDRI10004000															
SDRI10005000															
SDRI10006000															
SDRI10007000															
SDRI10008000															
SDRI10009000															
SDRI10010000															
SDRI10011000															
SDRI10012000	1.01	0.334		0.181	PCI/G	0.121	0.113	U	0.134	PCI/G	3.8	0.768		0.0718	PCI/G
SDRI17001000	0.613	0.292		0.172	PCI/G	0.0347	0.0682	U	0.104	PCI/G	0.474	0.257	J	0.203	PCI/G
SDRI17002000	0.238	0.177	U	0.247	PCI/G	0.0913	0.112	U	0.193	PCI/G	0.688	0.282		0.182	PCI/G
SDRI17003000	0.742	0.304		0.298	PCI/G	0.088	0.108	U	0.186	PCI/G	0.91	0.324		0.191	PCI/G
SDRI17004000	1.91	0.514		0.203	PCI/G	0.136	0.127	U	0.151	PCI/G	2.1	0.545		0.187	PCI/G
SDRI17005000	2.5	0.629		0.161	PCI/G	0.204	0.172	U	0.225	PCI/G	6.32	1.18		0.0916	PCI/G
SDRI17006000	1.21	0.417		0.378	PCI/G	0.114	0.121	U	0.161	PCI/G	1.77	0.497		0.232	PCI/G
SDRI17007000	1.12	0.385		0.222	PCI/G	0.102	0.125	U	0.216	PCI/G	0.69	0.295		0.182	PCI/G
SDRI17008000	1.01	0.349		0.21	PCI/G	0.0827	0.0942	J	0.0827	PCI/G	1.17	0.379		0.196	PCI/G
SDRI17009000	0.843	0.341		0.245	PCI/G	0.193	0.157	J	0.0966	PCI/G	0.547	0.271		0.229	PCI/G
SDRI17009000DUP	0.665	0.284		0.297	PCI/G	0.0812	0.132	U	0.283	PCI/G	0.414	0.231	J	0.303	PCI/G
SDRI17010000	1.1	0.384		0.4	PCI/G	0.0533	0.0922	U	0.197	PCI/G	0.953	0.329		0.199	PCI/G
SDRI17026000	1.11	0.408		0.347	PCI/G	0.00921	0.0698	U	0.228	PCI/G	1.15	0.403		0.215	PCI/G
SDRI17027000	1.19	0.386		0.243	PCI/G	0.0149	0.0593	U	0.178	PCI/G	1.08	0.362		0.203	PCI/G
SDRI17028000	1.45	0.419		0.17	PCI/G	0.182	0.137	J	0.0782	PCI/G	1.14	0.362		0.153	PCI/G
SDRI17029000	0.826	0.326		0.232	PCI/G	0.115	0.121	U	0.161	PCI/G	1.16	0.388		0.179	PCI/G
SDRI17030000	1.26	0.449		0.295	PCI/G	0.11	0.0716	U	0.11	PCI/G	1.3	0.45		0.182	PCI/G
SDRI17031000	0.713	0.287		0.199	PCI/G	0.028	0.055	U	0.0841	PCI/G	1.03	0.345		0.0791	PCI/G
SDRI17031000DUP	0.989	0.387		0.36	PCI/G	0.101	0.135	U	0.251	PCI/G	0.806	0.336		0.253	PCI/G
SDRI17032000	0.716	0.334		0.352	PCI/G	-0.0248	0.073	U	0.239	PCI/G	0.899	0.362		0.262	PCI/G
SDRI17033000	0.52	0.223		0.177	PCI/G	0.0409	0.0654	U	0.123	PCI/G	0.509	0.218		0.152	PCI/G
SDRI17034000	1.81	0.489		0.181	PCI/G	0.0277	0.0545	U	0.0832	PCI/G	1.74	0.476	J	0.138	PCI/G
SDRI17035000	0.91	0.377		0.275	PCI/G	0.235	0.192	J	0.225	PCI/G	0.841	0.354	J	0.179	PCI/G
SDRI17036000	1.69	0.448		0.16	PCI/G	0.0616	0.0849	U	0.152	PCI/G	1.41	0.405		0.208	PCI/G
SDRI17037000	2.33	0.616		0.47	PCI/G	0.144	0.127	J	0.0862	PCI/G	2.33	0.59		0.204	PCI/G
SDRI17038000	3.6	0.683		0.184	PCI/G	0.143	0.121	U	0.158	PCI/G	3.42	0.666		0.283	PCI/G
SDRI17039000	2.55	0.569		0.149	PCI/G	0.178	0.134	J	0.0764	PCI/G	2.44	0.553		0.0719	PCI/G
SDRI17040000	1.7	0.46		0.298	PCI/G	0.288	0.182	J	0.197	PCI/G	1.45	0.418		0.268	PCI/G

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI17041000	2.15	0.488		0.173	PCI/G	0.0399	0.0638	U	0.12	PCI/G	1.76	0.433		0.173	PCI/G
SDRI17042000	2.98	0.639		0.255	PCI/G	0.154	0.125	J	0.0771	PCI/G	3.05	0.645		0.183	PCI/G
SDRI17043000	1.87	0.482		0.224	PCI/G	0.0728	0.0908	U	0.139	PCI/G	1.43	0.408		0.154	PCI/G
SDRI17044000	1.34	0.407		0.244	PCI/G	0.0417	0.0783	U	0.171	PCI/G	1.09	0.366		0.281	PCI/G
SDRI17045000	3.52	0.781		0.319	PCI/G	0.233	0.195	U	0.312	PCI/G	3.51	0.78		0.334	PCI/G
SDRI18001000															
SDRI18002000															
SDRI18003000	4.1	0.869		0.5	PCI/G	0.284	0.185	J	0.5	PCI/G	6.77	1.26		0.5	PCI/G
SDRI18004000															
SDRI18004000DUP															
SDRI18005000															
SDRI18006000	1.35	0.384		0.5	PCI/G	0.0913	0.102	U	0.5	PCI/G	2.12	0.505		0.5	PCI/G
SDRI18007000															
SDRI18008000															
SDRI18009000															
SDRI18010000															
SDRI18011000	0.721	0.299		0.233	PCI/G	0.0508	0.0814	U	0.152	PCI/G	0.781	0.304		0.143	PCI/G
SDRI18012000															
SDRI18013000															
SDRI18014000															
SDRI18015000	0.518	0.257		0.184	PCI/G	0.0717	0.11	U	0.218	PCI/G	0.37	0.216	J	0.184	PCI/G
SDRI18016000															
SDRI18017000															
SDRI18018000															
SDRI18019000															
SDRI18020000	0.19	0.18	U	0.295	PCI/G	0.0505	0.095	U	0.207	PCI/G	0.611	0.287		0.195	PCI/G
SDRI18020000DUP	0.405	0.236	J	0.235	PCI/G	0.0423	0.0956	U	0.229	PCI/G	0.576	0.278		0.193	PCI/G
SDRI18021000															
SDRI18022000															
EXRI02001000															
SBMWS05000															
SBMWS05008															
SBMWS05054															
SBMWS07001															
SBMWS07008															
SBMWS07058															
SBMWS09001	1.02	0.365		0.214	PCI/G	0.181	0.146	J	0.0903	PCI/G	1.31	0.419		0.197	PCI/G
SBMWS09006															
SBMWS09046															
SBMWS16001															
SBMWS16008															
SBMWS16049															
SBMWS16069															
SBMWS16073															
SBMWS16077															
SBMWT24000	2.19	0.55		0.296	PCI/G	0.167	0.141	U	0.185	PCI/G	12.5	1.96		0.189	PCI/G
SBMWT24009															
SBMWT24049	5.88	1.11		0.221	PCI/G	0.523	0.252		0.0872	PCI/G	50.5	7.1		0.207	PCI/G
SBRI01001008															
SBRI01001013															
SBRI01001018															
SBRI01001023	17.4	2.49		0.328	PCI/G	3.12	0.696		0.257	PCI/G	138	16.8		0.23	PCI/G
SBRI01001028															
SBRI01001033	1.29	0.368		0.142	PCI/G	0.252	0.151	J	0.0687	PCI/G	2.83	0.59		0.0685	PCI/G

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SBRI01001038															
SBRI01001043															
SBRI01001048															
SBRI01001053															
SBRI01001058															
SBRI01001063															
SBRI01002008	8.28	1.02		0.142	PCI/G	0.596	0.194		0.112	PCI/G	53.7	5.33		0.119	PCI/G
SBRI01002013															
SBRI01002018															
SBRI01002023															
SBRI01002023DUP															
SBRI01002028															
SBRI01002033															
SBRI01002038															
SBRI01002043															
SBRI01002048															
SBRI01002053															
SBRI01002059	1.18	0.338		0.171	PCI/G	0.265	0.153	J	0.132	PCI/G	1.27	0.352		0.146	PCI/G
SBRI01002059DUP	1.18	0.404		0.314	PCI/G	0.176	0.166	U	0.273	PCI/G	1.62	0.471		0.2	PCI/G
SBRI01003013															
SBRI01003018	7.39	1.37		0.253	PCI/G	0.8	0.35		0.221	PCI/G	48.1	6.67		0.177	PCI/G
SBRI01003023															
SBRI01003028															
SBRI01003033															
SBRI01003038															
SBRI01003043	4.87	0.952		0.324	PCI/G	0.615	0.287		0.232	PCI/G	31.6	4.29		0.234	PCI/G
SBRI01003048															
SBRI01003053															
SBRI01003058															
SBRI01004008	11	2.05		0.47	PCI/G	1.73	0.647		0.342	PCI/G	81.7	11		0.164	PCI/G
SBRI01004013															
SBRI01004018															
SBRI01004023															
SBRI01004028															
SBRI01004033															
SBRI01004038															
SBRI01004043															
SBRI01004048															
SBRI01004053	3.06	0.464		0.137	PCI/G	0.155	0.0895	J	0.0781	PCI/G	3.84	0.539		0.035	PCI/G
SBRI01005010															
SBRI01005013	25.3	5.14		0.459	PCI/G	4.42	1.31		0.401	PCI/G	194	35.4		0.32	PCI/G
SBRI01005018															
SBRI01005023															
SBRI01005028															
SBRI01005033	5.71	1.14		0.251	PCI/G	0.429	0.241	J	0.099	PCI/G	30.9	4.64		0.164	PCI/G
SBRI01005038															
SBRI01005043															
SBRI01005048															
SBRI01005053															
SBRI01005058															
SBRI01005063															
SBRI01006009															
SBRI01006014															
SBRI01006019	24.9	3.81		0.212	PCI/G	3.35	0.792		0.0975	PCI/G	189	26.2		0.231	PCI/G

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SBRI01006024															
SBRI01006029															
SBRI01006034	2.65	0.724		0.34	PCI/G	0.281	0.211	J	0.12	PCI/G	15	2.5		0.285	PCI/G
SBRI01006039															
SBRI01006044															
SBRI01006049															
SBRI01007000															
SBRI01007001	7.29	1.47		0.224	PCI/G	0.852	0.382		0.266	PCI/G	35.8	5.72		0.224	PCI/G
SBRI01007008															
SBRI01007016															
SBRI01007036															
SBRI01007044	3.87	0.833		0.266	PCI/G	0.405	0.227	J	0.187	PCI/G	26	3.86		0.176	PCI/G
SBRI01007052															
SBRI01008000															
SBRI01008009	0.634	0.279		0.5	PCI/G	0	0.0573	U	0.5	PCI/G	0.84	0.321		0.5	PCI/G
SBRI01008019															
SBRI01008029															
SBRI01008039															
SBRI01008049	7.47	1.28		0.5	PCI/G	0.878	0.322		0.5	PCI/G	57.3	7.7		0.5	PCI/G
SBRI01008059															
SBRI01008069															
SBRI01008079															
SBRI01009000															
SBRI01009004	1.15	0.393		0.265	PCI/G	0.0453	0.0851	U	0.185	PCI/G	4.25	0.882		0.174	PCI/G
SBRI01009008															
SBRI01009019															
SBRI01009029															
SBRI01009039															
SBRI01009049															
SBRI01009059	1.01	0.33		0.192	PCI/G	0.00101	0.0548	U	0.19	PCI/G	1.29	0.375		0.148	PCI/G
SBRI01009074															
SBRI01010000	5.34	1.26		0.442	PCI/G	1.48	0.588		0.164	PCI/G	27.8	4.21		0.34	PCI/G
SBRI01010002															
SBRI01010008															
SBRI01010019															
SBRI01010029															
SBRI01010039															
SBRI01010049															
SBRI01010059	0.43	0.237	J	0.29	PCI/G	0.0442	0.102	U	0.243	PCI/G	0.414	0.215	J	0.166	PCI/G
SBRI01010069															
SBRI01010079															
SBRI01011000															
SBRI01011002															
SBRI01011008															
SBRI01011019															
SBRI01011029															
SBRI01011039	1.2	0.384		0.239	PCI/G	0.0573	0.0992	U	0.212	PCI/G	1.23	0.384		0.165	PCI/G
SBRI01011044															
SBRI01011054															
SBRI01011064	0.979	0.343		0.312	PCI/G	0.132	0.133	U	0.223	PCI/G	1.45	0.414		0.243	PCI/G
SBRI01011074															
SBRI01011084															
SBRI01012000															
SBRI01012001															

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SBRI01012008															
SBRI01012020															
SBRI01012025	1.12	0.404		0.242	PCI/G	0.0599	0.0959	U	0.18	PCI/G	1.03	0.384		0.242	PCI/G
SBRI01012035															
SBRI01012040															
SBRI01012055	1.22	0.378		0.261	PCI/G	0.0462	0.074	U	0.139	PCI/G	1.09	0.349		0.172	PCI/G
SBRI01012065															
SBRI01013000	6.56	1.26		0.216	PCI/G	0.916	0.365		0.174	PCI/G	52.9	7.64		0.193	PCI/G
SBRI01013001															
SBRI01013008															
SBRI01013019															
SBRI01013029															
SBRI01013039	1.45	0.468		0.267	PCI/G	0.297	0.198	J	0.0991	PCI/G	7.46	1.39		0.0933	PCI/G
SBRI01013049															
SBRI01013059															
SBRI01013069															
SBRI01013074															
SBRI01013084															
SBRI01014000															
SBRI01014001															
SBRI01014008	1.2	0.437		0.272	PCI/G	0.00999	0.0757	U	0.248	PCI/G	1.17	0.424	J	0.177	PCI/G
SBRI01014020															
SBRI01014030															
SBRI01014040															
SBRI01014050															
SBRI01014060	1.17	0.389		0.179	PCI/G	0.123	0.121	J	0.0919	PCI/G	2.28	0.577		0.2	PCI/G
SBRI01014070															
SBRI01015000	1.41	0.444		0.258	PCI/G	0.145	0.135	U	0.16	PCI/G	6.61	1.24		0.258	PCI/G
SBRI01015001															
SBRI01015008															
SBRI01015008DUP															
SBRI01016000	0.506	0.254		0.288	PCI/G	-0.0473	0.0355	U	0.254	PCI/G	0.689	0.283	J	0.2	PCI/G
SBRI01016001															
SBRI01016008															
SBRI01017000	0.607	0.264		0.221	PCI/G	-0.0131	0.0567	U	0.17	PCI/G	0.85	0.307	J	0.0773	PCI/G
SBRI01017001															
SBRI01017008															
SBRI01018001															
SBRI01018008															
SBRI01019000	1.16	0.387		0.233	PCI/G	0.167	0.141	J	0.153	PCI/G	1.46	0.437		0.144	PCI/G
SBRI01019001															
SBRI01019008															
SBRI01020000	8.95	1.56		0.306	PCI/G	0.912	0.349		0.186	PCI/G	39.3	5.72		0.228	PCI/G
SBRI01020001															
SBRI01020008															
SBRI01021000	3.53	0.724		0.217	PCI/G	0.148	0.132	U	0.167	PCI/G	8.26	1.33		0.157	PCI/G
SBRI01021001															
SBRI01021008															
SBRI01022000	4.41	0.87		0.25	PCI/G	0.552	0.26		0.155	PCI/G	24.4	3.35		0.146	PCI/G
SBRI01022001															
SBRI01022008															
SBRI05001005															
SBRI05001015															
SBRI05001030															

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SBRI05002005	1.42	0.412		0.228	PCI/G	0.286	0.176	J	0.176	PCI/G	1.59	0.437		0.191	PCI/G
SBRI05002005DUP	0.917	0.339		0.248	PCI/G	0.11	0.116	U	0.154	PCI/G	0.984	0.345		0.145	PCI/G
SBRI05002015															
SBRI05002030															
SBRI05003005															
SBRI05003015															
SBRI05003030															
SBRI05004005															
SBRI05004015															
SBRI05004030															
SBRI05005005	0.862	0.343		0.232	PCI/G	0.229	0.172	J	0.098	PCI/G	2.19	0.58		0.213	PCI/G
SBRI05005015															
SBRI05005030															
SBRI05006005															
SBRI05006015															
SBRI05006030															
SBRI05007005															
SBRI05007015															
SBRI05008005															
SBRI05008015															
SBRI05008040															
SBRI05009005	1.67	0.433		0.232	PCI/G	0.201	0.145	J	0.184	PCI/G	2.47	0.542		0.141	PCI/G
SBRI05009015															
SBRI05009040															
SBRI05010005															
SBRI05010005DUP															
SBRI05010015	0.848	0.308		0.177	PCI/G	0.23	0.153	J	0.0767	PCI/G	1.47	0.418		0.135	PCI/G
SBRI05010040															
SBRI05011009															
SBRI05011029															
SBRI05012008	1.29	0.438		0.237	PCI/G	0.0761	0.117	U	0.232	PCI/G	1.46	0.469		0.195	PCI/G
SBRI05012028	1.13	0.368		0.243	PCI/G	0.0662	0.0913	U	0.163	PCI/G	1.25	0.386		0.212	PCI/G
SBRI05013008															
SBRI05013029															
SBRI05014009															
SBRI05014034															
SBRI05015014	0.544	0.27		0.228	PCI/G	0.0321	0.063	U	0.0962	PCI/G	0.846	0.341	J	0.228	PCI/G
SBRI05015044															
SBRI05016009															
SBRI05016034															
SBRI05017009	1.05	0.345		0.24	PCI/G	0.0281	0.0948	U	0.245	PCI/G	0.789	0.318	J	0.368	PCI/G
SBRI05017009DUP															
SBRI05017034															
SBRI05018006															
SBRI05018010															
SBRI05018024															
SBRI05018024DUP															
SBRI05019005															
SBRI05019010															
SBRI05019055															
SBRI07001000															
SBRI07001004															
SBRI07002000															
SBRI07002004															

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SBRI07003000															
SBRI07003004															
SBRI07004000															
SBRI07004004															
SBRI07005000															
SBRI07005004															
SBRI07006000															
SBRI07006004															
SBRI07007000															
SBRI07007004															
SBRI07008000															
SBRI07008004															
SBRI07009000															
SBRI07009004															
SBRI07010000															
SBRI07010004															
SBRI11001000	0.478	0.273	J	0.25	PCI/G	0.106	0.132	U	0.202	PCI/G	0.694	0.33	J	0.25	PCI/G
SBRI11001004															
SBRI11001004DUP															
SBRI11002001															
SBRI11002001DUP															
SBRI11002004															
SBRI11003000	4.68	0.997		0.251	PCI/G	0.429	0.241	J	0.099	PCI/G	27.3	4.22		0.235	PCI/G
SBRI11003004															
SBRI11004000															
SBRI11004008															
SBRI11005000	1.34	0.387		0.197	PCI/G	0.0555	0.0853	U	0.169	PCI/G	3.95	0.773		0.197	PCI/G
SBRI11005009															
SBRI11005065															
SBRI11006000															
SBRI11006004															
SBRI11007000															
SBRI11007004															
SBRI11008000															
SBRI11008004															
SBRI11009000															
SBRI11009004															
SBRI11010000															
SBRI11010004															
SBRI11011000	0.609	0.265		0.2	PCI/G	0.0843	0.0959	J	0.0843	PCI/G	1.08	0.355	J	0.0793	PCI/G
SBRI11011004															
SBRI11012000	8.32	1.55		0.364	PCI/G	0.684	0.327		0.28	PCI/G	56.9	8.39		0.354	PCI/G
SBRI11012008															
SBRI11013000															
SBRI11014000															
SBRI11015000															
SBRI11016062															
SBRI11016066															
SBRI11016070															
SBRI11016074															
SBRI11016078															
SSRI04001000															
SSRI04001001															
SSRI04002000															

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SSRI04002001															
SSRI04003000															
SSRI04003001															
SSRI04004000															
SSRI04004001															
SSRI04005000															
SSRI04005001															
SSRI04006000															
SSRI04006001															
SSRI04007000															
SSRI04007001															
SSRI04008000															
SSRI04008001															
SSRI04009000	1.19	0.367		0.197	PCI/G	0.161	0.14	U	0.21	PCI/G	2.36	0.547		0.152	PCI/G
SSRI04009001															
SSRI04010000	5.37	0.976		0.216	PCI/G	0.511	0.244		0.0852	PCI/G	33.6	4.36		0.166	PCI/G
SSRI04010001															
SSRI04011000	5.13	1.05		0.286	PCI/G	0.355	0.225	J	0.106	PCI/G	21	3.16		0.1	PCI/G
SSRI04011001															
SSRI04012000															
SSRI04012000DUP															
SSRI04012001															
SSRI04013000	3.78	0.738		0.248	PCI/G	0.343	0.194	J	0.179	PCI/G	15.5	2.13		0.151	PCI/G
SSRI04013001															
SSRI04014000															
SSRI04014001															
SSRI04015000															
SSRI04015001															
SSRI04016000	4.25	0.815		0.327	PCI/G	0.741	0.286		0.201	PCI/G	12.9	1.87		0.201	PCI/G
SSRI04016001															
SSRI04017000	2.24	0.512		0.173	PCI/G	0.408	0.203	J	0.186	PCI/G	9.64	1.42		0.142	PCI/G
SSRI04018000															
SSRI04018000DUP															
SSRI04019000															
SSRI04019000DUP															
SSRI04020000															
SSRI04021000	0.808	0.307		0.263	PCI/G	0.108	0.133	U	0.25	PCI/G	4.29	0.813		0.189	PCI/G
SSRI07001000															
SSRI07001001															
SSRI07002000	0.756	0.287		0.199	PCI/G	0.0397	0.0745	U	0.162	PCI/G	2.03	0.496		0.153	PCI/G
SSRI07002001	0.781	0.301		0.205	PCI/G	-0.0129	0.0558	U	0.168	PCI/G	1.38	0.411		0.176	PCI/G
SSRI07003000															
SSRI07003001															
SSRI07004000															
SSRI07004001															
SSRI07005000															
SSRI07005001															
SSRI07006000	0.5	0.306		0.314	PCI/G	0.0671	0.126	U	0.275	PCI/G	1.84	0.614		0.289	PCI/G
SSRI07006001	1.34	0.437		0.188	PCI/G	0.121	0.128	U	0.169	PCI/G	1.22	0.414		0.188	PCI/G
SSRI07007000															
SSRI07007001															
SSRI07008000															
SSRI07008001															
SSRI07009000															

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SSRI07009001															
SSRI07010000															
SSRI07010001															
SSRI07011000															
SSRI07011001															
SSRI07012000	2.61	0.708		0.447	PCI/G	0.0921	0.148	U	0.309	PCI/G	16.8	2.79		0.42	PCI/G
SSRI07012001	0.915	0.397		0.345	PCI/G	0.36	0.248	J	0.269	PCI/G	2.91	0.77		0.295	PCI/G
SSRI07013000															
SSRI07013001															
SSRI07014000	3.02	0.647		0.134	PCI/G	0.318	0.188	J	0.143	PCI/G	12	1.76		0.177	PCI/G
SSRI07014000DUP	3.5	0.735		0.198	PCI/G	0.469	0.225	J	0.0782	PCI/G	15	2.29		0.0736	PCI/G
SSRI07014001	1.69	0.504		0.271	PCI/G	0.0408	0.0923	U	0.222	PCI/G	1.93	0.542		0.209	PCI/G
SSRI07015000															
SSRI07015001															
SSRI07016000															
SSRI07016001															
SSRI07017000															
SSRI07017001															
SSRI07018000															
SSRI07018001															
SSRI09001000	1.8	0.473		0.136	PCI/G	0.158	0.134	J	0.145	PCI/G	2.87	0.632		0.179	PCI/G
SSRI09001000DUP															
SSRI09002000															
SSRI09003000															
SSRI09003001															
SSRI09004000	0.865	0.301		0.19	PCI/G	0.138	0.122	U	0.155	PCI/G	2.57	0.564		0.146	PCI/G
SSRI09004001	0.788	0.348		0.287	PCI/G	-0.0256	0.0292	U	0.247	PCI/G	2.17	0.615		0.271	PCI/G
SSRI09005000															
SSRI09005001															
SSRI09006000															
SSRI09007000															
SSRI09008000	4.72	0.857		0.197	PCI/G	0.324	0.188	J	0.161	PCI/G	14.1	1.98		0.152	PCI/G
SSRI09009000															
SSRI09010000	8.96	1.86		0.494	PCI/G	1.62	0.659		0.381	PCI/G	62.8	8.93		0.38	PCI/G
SSRI09011000															
SSRI09011001															
SSRI09012000															
SSRI09013000	1.08	0.363		0.228	PCI/G	0.24	0.159	J	0.08	PCI/G	6.27	1.09		0.14	PCI/G
SSRI09014000															
SSRI09014001															
SSRI09015000															
SSRI09016000															
SSRI09016001															
SSRI09017000	13.5	1.85		0.171	PCI/G	2.02	0.476		0.12	PCI/G	31.5	3.85		0.068	PCI/G
SSRI09018000															
SSRI09019000	0.933	0.321		0.181	PCI/G	0.064	0.0883	U	0.158	PCI/G	0.831	0.298		0.126	PCI/G
SSRI09020000															
SSRI09020001															
SSRI09021000	0.483	0.258	J	0.248	PCI/G	0.0975	0.111	J	0.0975	PCI/G	0.941	0.359		0.161	PCI/G
SSRI09022000															
SSRI09023000															
SSRI09023001															
SSRI09024000	0.464	0.248	J	0.166	PCI/G	0.0334	0.0656	U	0.1	PCI/G	0.582	0.281		0.195	PCI/G
SSRI09025000															

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SSRI09025001															
SSRI09026000															
SSRI09027000															
SSRI14001000															
SSRI14002000															
SSRI14003000															
SSRI14004000															
SSRI14005000	0.95	0.398		0.261	PCI/G	0.0607	0.114	U	0.248	PCI/G	1.57	0.523		0.198	PCI/G
SSRI14006000															
SSRI14007000															
SSRI14008000															
SSRI14009000	0.481	0.28	J	0.322	PCI/G	0.145	0.144	J	0.109	PCI/G	1.89	0.571		0.237	PCI/G
SSRI14009000DUP	0.793	0.299		0.216	PCI/G	0.0267	0.0524	U	0.0801	PCI/G	1.84	0.475		0.174	PCI/G
SSRI14010000															
SSRI14011000	0.749	0.317		0.3	PCI/G	0.0157	0.0625	U	0.188	PCI/G	1.17	0.39		0.197	PCI/G
SSRI14012000															
SSRI14013000															
SSRI14013000DUP															
SSRI14014000															
SSRI14015000															
SSRI14016000															
SSRI14017000															
SSRI14018000															
SSRI14019000															
SSRI14020000															
SSRI14021000															
SSRI14022000	8.08	1.38		0.222	PCI/G	0.633	0.292		0.217	PCI/G	3.04	0.697		0.204	PCI/G
SSRI14023000															
SSRI14024000															
SSRI14025000															
SSRI14026000	0.893	0.329		0.204	PCI/G	0.0287	0.0564	U	0.0862	PCI/G	1.06	0.36		0.188	PCI/G
SSRI14027000															
SSRI14028000															
SSRI14029000															
SSRI14030000	0.666	0.291		0.218	PCI/G	0.0774	0.107	U	0.191	PCI/G	0.867	0.328		0.0867	PCI/G
SSRI14030000DUP															
SSRI14031000															
SSRI14032000															
SSRI14033000															
SSRI14034000															
SSRI14035000	1.92	0.477		0.194	PCI/G	0.3	0.177	J	0.135	PCI/G	8.31	1.29		0.0721	PCI/G
SSRI14036000	1.56	0.419	J	0.201	PCI/G	0.00698	0.0529	U	0.173	PCI/G	4.84	0.866	J	0.31	PCI/G
SSRI14036000DUP	0.635	0.294	J	0.247	PCI/G	0.179	0.159	U	0.202	PCI/G	2.41	0.614	J	0.161	PCI/G
SSRI14037000															
SSRI14038000															
SSRI14039000	0.53	0.263		0.289	PCI/G	0.0804	0.1	U	0.154	PCI/G	0.747	0.299		0.19	PCI/G
SSRI14040000															
SSRI14041000															
SSRI14042000															
SSRI14043000	1.1	0.362		0.204	PCI/G	0.107	0.106	J	0.0803	PCI/G	3.78	0.782		0.0756	PCI/G
SSRI14044000															
SSRI14045000															
SSRI14046000															
SSRI14047000															

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SSRI14048000															
SSRI14049000															
SSRI14050000															
SSRI14051000	1.76	0.451		0.18	PCI/G	0.146	0.123	J	0.133	PCI/G	1.39	0.392		0.148	PCI/G
SSRI14052000															
SSRI14053000	1.13	0.372		0.169	PCI/G	0.0578	0.0804	U	0.0866	PCI/G	2.28	0.561		0.0815	PCI/G
SSRI14054000															
SSRI14055000															
SSRI14056000															
SSRI14057000															
SSRI14058000															
SSRI14059000															
SSRI14060000															
SSRI14061000															
SSRI14062000															
SSRI14063000															
SSRI14064000															
SSRI14065000															
SSRI14066000	1.11	0.36		0.0791	PCI/G	0.00112	0.0609	U	0.212	PCI/G	0.916	0.325		0.139	PCI/G
SSRI14067000															
SSRI14068000															
SSRI14069000															
SSRI14070000															
SSRI14071000															
SSRI14072000															
SSRI14073000															
SSRI14074000	2.8	0.7		0.262	PCI/G	0.114	0.13	U	0.202	PCI/G	12.7	2.17		0.161	PCI/G
SSRI14075000															
SSRI14076000															
SSRI14077000															
SSRI15028000															
SSRI17001000	0.548	0.283		0.302	PCI/G	0.017	0.0676	U	0.203	PCI/G	0.385	0.224	J	0.191	PCI/G
SSRI17002000	0.433	0.227	J	0.204	PCI/G	0.0218	0.0578	U	0.151	PCI/G	0.487	0.241	J	0.204	PCI/G
SSRI17003000	0.496	0.263	J	0.302	PCI/G	0.017	0.0912	U	0.261	PCI/G	0.431	0.241	J	0.27	PCI/G
SSRI17004000	0.865	0.336		0.218	PCI/G	0.122	0.121	J	0.0918	PCI/G	0.592	0.278		0.247	PCI/G
SSRI17005000	0.314	0.2	J	0.215	PCI/G	0.00847	0.0643	U	0.21	PCI/G	0.442	0.232	J	0.177	PCI/G
SSRI17005000DUP	0.738	0.27		0.137	PCI/G	0.1	0.105	U	0.163	PCI/G	0.38	0.191	J	0.153	PCI/G
SSRI17006000	0.941	0.397		0.345	PCI/G	0.0939	0.13	U	0.232	PCI/G	0.72	0.332		0.218	PCI/G
SSRI17007000	1.49	0.437		0.198	PCI/G	0.0211	0.0562	U	0.147	PCI/G	1.41	0.423		0.198	PCI/G
SSRI17008000	0.709	0.262		0.187	PCI/G	0.0759	0.093	U	0.161	PCI/G	0.44	0.224	J	0.287	PCI/G
SSRI17009000	0.889	0.314		0.181	PCI/G	0.0255	0.0501	U	0.0765	PCI/G	0.925	0.319		0.149	PCI/G
SSRI17010000	1.11	0.35		0.125	PCI/G	0.0756	0.0861	J	0.0756	PCI/G	1.35	0.396		0.179	PCI/G
SSRI17010000DUP	0.998	0.346		0.181	PCI/G	0.132	0.123	U	0.146	PCI/G	0.926	0.33		0.162	PCI/G
SSRI17011000	0.523	0.243		0.204	PCI/G	-0.0128	0.0553	U	0.166	PCI/G	0.711	0.283		0.175	PCI/G
SSRI17012000	0.962	0.34		0.164	PCI/G	0.0493	0.079	U	0.148	PCI/G	0.909	0.329		0.164	PCI/G
SSRI17013000	1.15	0.389		0.194	PCI/G	0.0973	0.12	U	0.206	PCI/G	1.21	0.4		0.174	PCI/G
SSRI17014000	1.07	0.351		0.176	PCI/G	0.014	0.0559	U	0.168	PCI/G	1.24	0.378		0.134	PCI/G
SSRI17015000	0.872	0.343		0.227	PCI/G	0.0804	0.111	U	0.199	PCI/G	1.09	0.386		0.209	PCI/G
TPRI01001010															
TPRI03010000	0.694	0.285		0.5	PCI/G	0.111	0.11	J	0.5	PCI/G	0.857	0.317		0.5	PCI/G
TPRI03010004	0.492	0.249	J	0.5	PCI/G	0.088	0.117	U	0.5	PCI/G	0.518	0.248		0.5	PCI/G
TPRI03010004DUP	0.488	0.241	J	0.5	PCI/G	0.112	0.117	U	0.5	PCI/G	0.732	0.282		0.5	PCI/G
TPRI03011000															
TPRI03011004															

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
TPRI03012000															
TPRI03012004															
TPRI03013000															
TPRI03013004															
TPRI03014000															
TPRI03014004															
TPRI03015000	14.2	2.05		0.5	PCI/G	1.21	0.384		0.5	PCI/G	16.4	2.32	0.5	PCI/G	
TPRI03015004	0.833	0.341		0.5	PCI/G	0.0254	0.0674	U	0.5	PCI/G	0.724	0.319	0.5	PCI/G	
TPRI03016000															
TPRI03016004															
TPRI03017000															
TPRI03017004															
TPRI03018000															
TPRI03018004															
TPRI03019000															
TPRI03019004															
TPRI03020000															
TPRI03020004															
TPRI08001000															
TPRI08001002															
TPRI08001002DUP															
TPRI08001004															
TPRI08002000															
TPRI08002002															
TPRI08002004															
TPRI08003000															
TPRI08003002															
TPRI08003004															
TPRI08004000															
TPRI08004002															
TPRI08004003	0.555	0.244		0.5	PCI/G	0.123	0.115	U	0.5	PCI/G	1.12	0.348	0.5	PCI/G	
TPRI08005000															
TPRI08005002	4.15	0.792		0.5	PCI/G	0.125	0.117	U	0.5	PCI/G	11.9	1.74	0.5	PCI/G	
TPRI08005003															
TPRI08006000															
TPRI08006001	1.79	0.481		0.5	PCI/G	0.0764	0.0953	U	0.5	PCI/G	4.77	0.894	0.5	PCI/G	
TPRI08006003															
TPRI08007000															
TPRI08007001	0.662	0.28		0.5	PCI/G	0.0142	0.0564	U	0.5	PCI/G	2.91	0.64	0.5	PCI/G	
TPRI08007003															
TPRI08008000															
TPRI08008001	0.373	0.208	J	0.5	PCI/G	0.102	0.108	U	0.5	PCI/G	0.609	0.256	0.5	PCI/G	
TPRI08008003															
TPRI08009000	1.04	0.351		0.5	PCI/G	0.0974	0.111	U	0.5	PCI/G	3.43	0.716	0.5	PCI/G	
TPRI08009002															
TPRI08009003															
TSRI02B01008	9.3	1.65		0.5	PCI/G	0.584	0.281		0.5	PCI/G	22.1	3.43	0.5	PCI/G	
TSRI02B02010	0.898	0.337		0.5	PCI/G	0.00199	0.0766	U	0.5	PCI/G	3.87	0.77	0.5	PCI/G	
TSRI02B02010DUP	2.36	0.594		0.5	PCI/G	0.142	0.133	U	0.5	PCI/G	4.18	0.874	0.5	PCI/G	

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-234					DOE EML HASL-300, U-02-RC Modified Uranium-235					DOE EML HASL-300, U-02-RC Modified Uranium-238				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
TSRI02B03010															
TSRI02S01002															
TSRI02S02002															
TSRI02S03002															
TSRI02S03002DUP															
TSRI02S04010															
TSRI02S05008															
TSRI02S06008															
TSRI02S07012															
TSRI02S08010															

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

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Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SDRI06001000	0.22996	U	PERCENT	59.1664	8.3591	MG/KG
SDRI06001001	0.35378	U	PERCENT	8.9868	1.6157	MG/KG
SDRI06001002		NC	PERCENT	1.9766	0.8427	MG/KG
SDRI06005000						
SDRI06005001						
SDRI06005002						
SDRI06009000						
SDRI06009001						
SDRI06009001DUP						
SDRI06009002						
SDRI09001000		NC	PERCENT	4.1826	1.4698	MG/KG
SDRI09002000		NC	PERCENT	3.8214	1.1345	MG/KG
SDRI09002000DUP		NC	PERCENT	4.1926	1.2918	MG/KG
SDRI09003000		NC	PERCENT	21.4449	3.9264	MG/KG
SDRI09004000		NC	PERCENT	3.0012	1.0325	MG/KG
SDRI10001000						
SDRI10002000						
SDRI10003000		NC	PERCENT	2.2218	0.8786	MG/KG
SDRI10004000						
SDRI10005000						
SDRI10006000						
SDRI10007000						
SDRI10008000						
SDRI10009000						
SDRI10010000						
SDRI10011000						
SDRI10012000		NC	PERCENT	11.3589	2.2850	MG/KG
SDRI17001000		NC	PERCENT	1.4260	0.7651	MG/KG
SDRI17002000		NC	PERCENT	2.0887	0.8404	MG/KG
SDRI17003000		NC	PERCENT	2.7475	0.9650	MG/KG
SDRI17004000		NC	PERCENT	6.3095	1.6221	MG/KG
SDRI17005000		NC	PERCENT	18.8931	3.5107	MG/KG
SDRI17006000		NC	PERCENT	5.3176	1.4793	MG/KG
SDRI17007000		NC	PERCENT	2.0997	0.8794	MG/KG
SDRI17008000	0.54653	U	PERCENT	3.5185	1.1281	MG/KG
SDRI17009000	2.66986	U	PERCENT	1.7164	0.8093	MG/KG
SDRI17009000DUP		NC	PERCENT	1.2691	0.6898	MG/KG
SDRI17010000		NC	PERCENT	2.8595	0.9795	MG/KG
SDRI17026000		NC	PERCENT	3.4250	1.1991	MG/KG
SDRI17027000		NC	PERCENT	3.2195	1.0771	MG/KG
SDRI17028000	1.22597	U	PERCENT	3.4753	1.0786	MG/KG
SDRI17029000		NC	PERCENT	3.5037	1.1554	MG/KG
SDRI17030000		NC	PERCENT	3.9178	1.3389	MG/KG
SDRI17031000		NC	PERCENT	3.0767	1.0265	MG/KG
SDRI17031000DUP		NC	PERCENT	2.4443	1.0014	MG/KG
SDRI17032000		NC	PERCENT	2.6626	1.0773	MG/KG
SDRI17033000		NC	PERCENT	1.5330	0.6491	MG/KG
SDRI17034000		NC	PERCENT	5.1886	1.4160	MG/KG
SDRI17035000	2.12623	U	PERCENT	2.6103	1.0567	MG/KG
SDRI17036000		NC	PERCENT	4.2227	1.2053	MG/KG
SDRI17037000	0.47819	U	PERCENT	6.9974	1.7559	MG/KG
SDRI17038000		NC	PERCENT	10.2392	1.9818	MG/KG
SDRI17039000	0.56396	U	PERCENT	7.3403	1.6460	MG/KG
SDRI17040000	1.52069	U	PERCENT	4.4464	1.2462	MG/KG

**TABLE 3
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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SDRI17041000		NC	PERCENT	5.2538	1.2883	MG/KG
SDRI17042000	0.39101	U	PERCENT	9.1437	1.9194	MG/KG
SDRI17043000		NC	PERCENT	4.2874	1.2143	MG/KG
SDRI17044000		NC	PERCENT	3.2616	1.0892	MG/KG
SDRI17045000		NC	PERCENT	10.5486	2.3218	MG/KG
SDRI18001000						
SDRI18002000						
SDRI18003000	0.32508	U	PERCENT	20.2688	3.7487	MG/KG
SDRI18004000						
SDRI18004000DUP						
SDRI18005000						
SDRI18006000		NC	PERCENT	6.3482	1.5028	MG/KG
SDRI18007000						
SDRI18008000						
SDRI18009000						
SDRI18010000						
SDRI18011000		NC	PERCENT	2.3466	0.9050	MG/KG
SDRI18012000						
SDRI18013000						
SDRI18014000						
SDRI18015000		NC	PERCENT	1.1338	0.6445	MG/KG
SDRI18016000						
SDRI18017000						
SDRI18018000						
SDRI18019000						
SDRI18020000		NC	PERCENT	1.8408	0.8548	MG/KG
SDRI18020000DUP		NC	PERCENT	1.7329	0.8281	MG/KG
SDRI18021000						
SDRI18022000						
EXRI02001000						
SBMWS05000						
SBMWS05008						
SBMWS05054						
SBMWS07001						
SBMWS07008						
SBMWS07058						
SBMWS09001	1.06277	U	PERCENT	3.9804	1.2481	MG/KG
SBMWS09006						
SBMWS09046						
SBMWS16001						
SBMWS16008						
SBMWS16049						
SBMWS16069						
SBMWS16073						
SBMWS16077						
SBMWT24000		NC	PERCENT	37.2578	5.8302	MG/KG
SBMWT24009						
SBMWT24049	0.08045	U	PERCENT	150.4511	21.1187	MG/KG
SBRI01001008						
SBRI01001013						
SBRI01001018						
SBRI01001023	0.17546	U	PERCENT	411.9159	49.9713	MG/KG
SBRI01001028						
SBRI01001033	0.68753	U	PERCENT	8.5344	1.7563	MG/KG

**TABLE 3
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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SBRI01001038						
SBRI01001043						
SBRI01001048						
SBRI01001053						
SBRI01001058						
SBRI01001063						
SBRI01002008	0.08621	U	PERCENT	160.0034	15.8539	MG/KG
SBRI01002013						
SBRI01002018						
SBRI01002023						
SBRI01002023DUP						
SBRI01002028						
SBRI01002033						
SBRI01002038						
SBRI01002043						
SBRI01002048						
SBRI01002053						
SBRI01002059	1.59634	U	PERCENT	3.9003	1.0494	MG/KG
SBRI01002059DUP		NC	PERCENT	4.9002	1.4031	MG/KG
SBRI01003013						
SBRI01003018	0.12914	U	PERCENT	143.4408	19.8400	MG/KG
SBRI01003023						
SBRI01003028						
SBRI01003033						
SBRI01003038						
SBRI01003043	0.15108	U	PERCENT	94.2769	12.7610	MG/KG
SBRI01003048						
SBRI01003053						
SBRI01003058						
SBRI01004008	0.16435	U	PERCENT	243.8121	32.7200	MG/KG
SBRI01004013						
SBRI01004018						
SBRI01004023						
SBRI01004028						
SBRI01004033						
SBRI01004038						
SBRI01004043						
SBRI01004048						
SBRI01004053	0.31283	U	PERCENT	11.4940	1.6037	MG/KG
SBRI01005010						
SBRI01005013	0.17682	U	PERCENT	579.0859	105.2962	MG/KG
SBRI01005018						
SBRI01005023						
SBRI01005028						
SBRI01005033	0.10782	U	PERCENT	92.1089	13.8018	MG/KG
SBRI01005038						
SBRI01005043						
SBRI01005048						
SBRI01005053						
SBRI01005058						
SBRI01005063						
SBRI01006009						
SBRI01006014						
SBRI01006019	0.13761	U	PERCENT	563.7189	77.9307	MG/KG

**TABLE 3
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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SBRI01006024						
SBRI01006029						
SBRI01006034	0.14543	U	PERCENT	44.7467	7.4367	MG/KG
SBRI01006039						
SBRI01006044						
SBRI01006049						
SBRI01007000						
SBRI01007001	0.18468	U	PERCENT	106.8795	17.0146	MG/KG
SBRI01007008						
SBRI01007016						
SBRI01007036						
SBRI01007044	0.12096	U	PERCENT	77.5229	11.4817	MG/KG
SBRI01007052						
SBRI01008000						
SBRI01008009		NC	PERCENT	2.4986	0.9552	MG/KG
SBRI01008019						
SBRI01008029						
SBRI01008039						
SBRI01008049	0.11899	U	PERCENT	170.8416	22.9035	MG/KG
SBRI01008059						
SBRI01008069						
SBRI01008079						
SBRI01009000						
SBRI01009004		NC	PERCENT	12.6624	2.6237	MG/KG
SBRI01009008						
SBRI01009019						
SBRI01009029						
SBRI01009039						
SBRI01009049						
SBRI01009059		NC	PERCENT	3.8376	1.1157	MG/KG
SBRI01009074						
SBRI01010000	0.41219	U	PERCENT	83.3743	12.5253	MG/KG
SBRI01010002						
SBRI01010008						
SBRI01010019						
SBRI01010029						
SBRI01010039						
SBRI01010049						
SBRI01010059		NC	PERCENT	1.2519	0.6412	MG/KG
SBRI01010069						
SBRI01010079						
SBRI01011000						
SBRI01011002						
SBRI01011008						
SBRI01011019						
SBRI01011029						
SBRI01011039		NC	PERCENT	3.6852	1.1431	MG/KG
SBRI01011044						
SBRI01011054						
SBRI01011064		NC	PERCENT	4.3741	1.2329	MG/KG
SBRI01011074						
SBRI01011084						
SBRI01012000						
SBRI01012001						

**TABLE 3
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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SBRI01012008						
SBRI01012020						
SBRI01012025		NC	PERCENT	3.0915	1.1430	MG/KG
SBRI01012035						
SBRI01012040						
SBRI01012055		NC	PERCENT	3.2637	1.0386	MG/KG
SBRI01012065						
SBRI01013000	0.13444	U	PERCENT	157.7716	22.7252	MG/KG
SBRI01013001						
SBRI01013008						
SBRI01013019						
SBRI01013029						
SBRI01013039	0.30857	U	PERCENT	22.3268	4.1355	MG/KG
SBRI01013049						
SBRI01013059						
SBRI01013069						
SBRI01013074						
SBRI01013084						
SBRI01014000						
SBRI01014001		NC	PERCENT	3.4849	1.2616	MG/KG
SBRI01014008						
SBRI01014020						
SBRI01014030						
SBRI01014040						
SBRI01014050						
SBRI01014060	0.41766	U	PERCENT	6.8388	1.7172	MG/KG
SBRI01014070						
SBRI01015000		NC	PERCENT	19.7282	3.6888	MG/KG
SBRI01015001						
SBRI01015008						
SBRI01015008DUP						
SBRI01016000		NC	PERCENT	2.0276	0.8419	MG/KG
SBRI01016001						
SBRI01016008						
SBRI01017000		NC	PERCENT	2.5223	0.9135	MG/KG
SBRI01017001						
SBRI01017008						
SBRI01018001						
SBRI01018008						
SBRI01019000	0.88144	U	PERCENT	4.4201	1.3015	MG/KG
SBRI01019001						
SBRI01019008						
SBRI01020000	0.18009	U	PERCENT	117.3180	17.0144	MG/KG
SBRI01020001						
SBRI01020008						
SBRI01021000		NC	PERCENT	24.6377	3.9564	MG/KG
SBRI01021001						
SBRI01021008						
SBRI01022000	0.17557	U	PERCENT	72.8319	9.9650	MG/KG
SBRI01022001						
SBRI01022008						
SBRI05001005						
SBRI05001015						
SBRI05001030						

**TABLE 3
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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SBRI05002005	1.37914	U	PERCENT	4.8618	1.3024	MG/KG
SBRI05002005DUP		NC	PERCENT	2.9779	1.0276	MG/KG
SBRI05002015						
SBRI05002030						
SBRI05003005						
SBRI05003015						
SBRI05003030						
SBRI05004005						
SBRI05004015						
SBRI05004030						
SBRI05005005	0.80639	U	PERCENT	6.6200	1.7270	MG/KG
SBRI05005015						
SBRI05005030						
SBRI05006005						
SBRI05006015						
SBRI05006030						
SBRI05007005						
SBRI05007015						
SBRI05008005						
SBRI05008015						
SBRI05008040						
SBRI05009005	0.62868	U	PERCENT	7.4401	1.6135	MG/KG
SBRI05009015						
SBRI05009040						
SBRI05010005						
SBRI05010005DUP						
SBRI05010015	1.2018	U	PERCENT	4.4789	1.2453	MG/KG
SBRI05010040						
SBRI05011009						
SBRI05011029						
SBRI05012008		NC	PERCENT	4.3781	1.3961	MG/KG
SBRI05012028		NC	PERCENT	3.7488	1.1489	MG/KG
SBRI05013008						
SBRI05013029						
SBRI05014009						
SBRI05014034						
SBRI05015014		NC	PERCENT	2.5313	1.0147	MG/KG
SBRI05015044						
SBRI05016009						
SBRI05016034						
SBRI05017009		NC	PERCENT	2.3600	0.9469	MG/KG
SBRI05017009DUP						
SBRI05017034						
SBRI05018006						
SBRI05018010						
SBRI05018024						
SBRI05018024DUP						
SBRI05019005						
SBRI05019010						
SBRI05019055						
SBRI07001000						
SBRI07001004						
SBRI07002000						
SBRI07002004						

**TABLE 3
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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SBRI07003000						
SBRI07003004						
SBRI07004000						
SBRI07004004						
SBRI07005000						
SBRI07005004						
SBRI07006000						
SBRI07006004						
SBRI07007000						
SBRI07007004						
SBRI07008000						
SBRI07008004						
SBRI07009000						
SBRI07009004						
SBRI07010000						
SBRI07010004						
SBRI11001000		NC	PERCENT	2.1134	0.9835	MG/KG
SBRI11001004						
SBRI11001004DUP						
SBRI11002001						
SBRI11002001DUP						
SBRI11002004						
SBRI11003000	0.12202	U	PERCENT	81.4008	12.5525	MG/KG
SBRI11003004						
SBRI11004000						
SBRI11004008						
SBRI11005000		NC	PERCENT	11.7748	2.2996	MG/KG
SBRI11005009						
SBRI11005065						
SBRI11006000						
SBRI11006004						
SBRI11007000						
SBRI11007004						
SBRI11008000						
SBRI11008004						
SBRI11009000						
SBRI11009004						
SBRI11010000						
SBRI11010004						
SBRI11011000	0.60318	U	PERCENT	3.2515	1.0569	MG/KG
SBRI11011004						
SBRI11012000	0.09337	U	PERCENT	169.5622	24.9558	MG/KG
SBRI11012008						
SBRI11013000						
SBRI11014000						
SBRI11015000						
SBRI11016062						
SBRI11016066						
SBRI11016070						
SBRI11016074						
SBRI11016078						
SSRI04001000						
SSRI04001001						
SSRI04002000						

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SSRI04002001						
SSRI04003000						
SSRI04003001						
SSRI04004000						
SSRI04004001						
SSRI04005000						
SSRI04005001						
SSRI04006000						
SSRI04006001						
SSRI04007000						
SSRI04007001						
SSRI04008000						
SSRI04008001						
SSRI04009000		NC	PERCENT	7.0943	1.6283	MG/KG
SSRI04009001						
SSRI04010000	0.1181	U	PERCENT	100.1777	12.9690	MG/KG
SSRI04010001						
SSRI04011000	0.13125	U	PERCENT	62.6278	9.3997	MG/KG
SSRI04011001						
SSRI04012000						
SSRI04012000DUP						
SSRI04012001						
SSRI04013000	0.17175	U	PERCENT	46.2628	6.3361	MG/KG
SSRI04013001						
SSRI04014000						
SSRI04014001						
SSRI04015000						
SSRI04015001						
SSRI04016000	0.4446	U	PERCENT	38.7134	5.5637	MG/KG
SSRI04016001						
SSRI04017000	0.32797	U	PERCENT	28.8625	4.2247	MG/KG
SSRI04018000						
SSRI04018000DUP						
SSRI04019000						
SSRI04019000DUP						
SSRI04020000						
SSRI04021000		NC	PERCENT	12.8103	2.4190	MG/KG
SSRI07001000						
SSRI07001001						
SSRI07002000		NC	PERCENT	6.0566	1.4757	MG/KG
SSRI07002001		NC	PERCENT	4.0989	1.2228	MG/KG
SSRI07003000						
SSRI07003001						
SSRI07004000						
SSRI07004001						
SSRI07005000						
SSRI07005001						
SSRI07006000		NC	PERCENT	5.5040	1.8272	MG/KG
SSRI07006001		NC	PERCENT	3.6850	1.2328	MG/KG
SSRI07007000						
SSRI07007001						
SSRI07008000						
SSRI07008001						
SSRI07009000						

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Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SSRI07009001						
SSRI07010000						
SSRI07010001						
SSRI07011000						
SSRI07011001						
SSRI07012000		NC	PERCENT	50.0133	8.2989	MG/KG
SSRI07012001	0.95263	U	PERCENT	8.8222	2.2932	MG/KG
SSRI07013000						
SSRI07013001						
SSRI07014000	0.2056	U	PERCENT	35.8406	5.2357	MG/KG
SSRI07014000DUP	0.24249	U	PERCENT	44.8338	6.8122	MG/KG
SSRI07014001		NC	PERCENT	5.7598	1.6127	MG/KG
SSRI07015000						
SSRI07015001						
SSRI07016000						
SSRI07016001						
SSRI07017000						
SSRI07017001						
SSRI07018000						
SSRI07018001						
SSRI09001000	0.42618	U	PERCENT	8.6100	1.8809	MG/KG
SSRI09001000DUP						
SSRI09002000						
SSRI09003000						
SSRI09003001						
SSRI09004000		NC	PERCENT	7.7082	1.6785	MG/KG
SSRI09004001		NC	PERCENT	6.4428	1.8293	MG/KG
SSRI09005000					0.0000	
SSRI09005001						
SSRI09006000						
SSRI09007000						
SSRI09008000	0.17833	U	PERCENT	42.0899	5.8900	MG/KG
SSRI09009000						
SSRI09010000	0.20015	U	PERCENT	187.5443	26.5633	MG/KG
SSRI09011000						
SSRI09011001						
SSRI09012000						
SSRI09013000	0.29671	U	PERCENT	18.7608	3.2430	MG/KG
SSRI09014000						
SSRI09014001						
SSRI09015000						
SSRI09016000						
SSRI09016001						
SSRI09017000	0.49608	U	PERCENT	94.6307	11.4536	MG/KG
SSRI09018000						
SSRI09019000		NC	PERCENT	2.5015	0.8873	MG/KG
SSRI09020000						
SSRI09020001						
SSRI09021000	0.7991	U	PERCENT	2.8441	1.0691	MG/KG
SSRI09022000						
SSRI09023000						
SSRI09023001						
SSRI09024000		NC	PERCENT	1.7466	0.8364	MG/KG
SSRI09025000						

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SSRI09025001						
SSRI09026000						
SSRI09027000						
SSRI14001000						
SSRI14002000						
SSRI14003000						
SSRI14004000						
SSRI14005000		NC	PERCENT	4.6981	1.5565	MG/KG
SSRI14006000						
SSRI14007000						
SSRI14008000						
SSRI14009000	0.59292	U	PERCENT	5.6888	1.6997	MG/KG
SSRI14009000DUP		NC	PERCENT	5.4854	1.4131	MG/KG
SSRI14010000						
SSRI14011000		NC	PERCENT	3.4875	1.1604	MG/KG
SSRI14012000						
SSRI14013000						
SSRI14013000DUP						
SSRI14014000						
SSRI14015000						
SSRI14016000						
SSRI14017000						
SSRI14018000						
SSRI14019000						
SSRI14020000						
SSRI14021000						
SSRI14022000	1.59304	U	PERCENT	9.3363	2.0776	MG/KG
SSRI14023000						
SSRI14024000						
SSRI14025000						
SSRI14026000		NC	PERCENT	3.1663	1.0711	MG/KG
SSRI14027000						
SSRI14028000						
SSRI14029000						
SSRI14030000		NC	PERCENT	2.6147	0.9769	MG/KG
SSRI14030000DUP						
SSRI14031000						
SSRI14032000						
SSRI14033000						
SSRI14034000						
SSRI14035000	0.27988	U	PERCENT	24.8565	3.8379	MG/KG
SSRI14036000		NC	PERCENT	14.3997	2.5760	MG/KG
SSRI14036000DUP		NC	PERCENT	7.2512	1.8278	MG/KG
SSRI14037000						
SSRI14038000						
SSRI14039000		NC	PERCENT	2.2592	0.8906	MG/KG
SSRI14040000						
SSRI14041000						
SSRI14042000						
SSRI14043000	0.21959	U	PERCENT	11.2930	2.3265	MG/KG
SSRI14044000						
SSRI14045000						
SSRI14046000						
SSRI14047000						

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
SSRI14048000						
SSRI14049000						
SSRI14050000						
SSRI14051000	0.80999	U	PERCENT	4.2023	1.1674	MG/KG
SSRI14052000						
SSRI14053000		NC	PERCENT	6.8086	1.6691	MG/KG
SSRI14054000						
SSRI14055000						
SSRI14056000						
SSRI14057000						
SSRI14058000						
SSRI14059000						
SSRI14060000						
SSRI14061000						
SSRI14062000						
SSRI14063000						
SSRI14064000						
SSRI14065000						
SSRI14066000		NC	PERCENT	2.7253	0.9671	MG/KG
SSRI14067000						
SSRI14068000						
SSRI14069000						
SSRI14070000						
SSRI14071000						
SSRI14072000						
SSRI14073000						
SSRI14074000		NC	PERCENT	37.8283	6.4548	MG/KG
SSRI14075000						
SSRI14076000						
SSRI14077000						
SSRI15028000						
SSRI17001000		NC	PERCENT	1.1531	0.6670	MG/KG
SSRI17002000		NC	PERCENT	1.4587	0.7173	MG/KG
SSRI17003000		NC	PERCENT	1.2899	0.7181	MG/KG
SSRI17004000	1.57691	U	PERCENT	1.8174	0.8288	MG/KG
SSRI17005000		NC	PERCENT	1.3187	0.6907	MG/KG
SSRI17005000DUP		NC	PERCENT	1.1767	0.5702	MG/KG
SSRI17006000		NC	PERCENT	2.1852	0.9893	MG/KG
SSRI17007000		NC	PERCENT	4.2039	1.2584	MG/KG
SSRI17008000		NC	PERCENT	1.3440	0.6677	MG/KG
SSRI17009000		NC	PERCENT	2.7633	0.9491	MG/KG
SSRI17010000	0.43348	U	PERCENT	4.0506	1.1785	MG/KG
SSRI17010000DUP		NC	PERCENT	2.8155	0.9832	MG/KG
SSRI17011000		NC	PERCENT	2.1090	0.8421	MG/KG
SSRI17012000		NC	PERCENT	2.7267	0.9793	MG/KG
SSRI17013000		NC	PERCENT	3.6442	1.1911	MG/KG
SSRI17014000		NC	PERCENT	3.6949	1.1246	MG/KG
SSRI17015000		NC	PERCENT	3.2794	1.1493	MG/KG
TPRI01001010						
TPRI03010000	0.99693	U	PERCENT	2.6005	0.9443	MG/KG
TPRI03010004		NC	PERCENT	1.5815	0.7396	MG/KG
TPRI03010004DUP		NC	PERCENT	2.2292	0.8405	MG/KG
TPRI03011000						
TPRI03011004						

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
TPRI03012000						
TPRI03012004						
TPRI03013000						
TPRI03013004						
TPRI03014000						
TPRI03014004						
TPRI03015000	0.57033	U	PERCENT	49.3424	6.9029	MG/KG
TPRI03015004		NC	PERCENT	2.1654	0.9494	MG/KG
TPRI03016000						
TPRI03016004						
TPRI03017000						
TPRI03017004						
TPRI03018000						
TPRI03018004						
TPRI03019000						
TPRI03019004						
TPRI03020000						
TPRI03020004						
TPRI08001000						
TPRI08001002						
TPRI08001002DUP						
TPRI08001004						
TPRI08002000						
TPRI08002002						
TPRI08002004						
TPRI08003000						
TPRI08003002						
TPRI08003004						
TPRI08004000						
TPRI08004002						
TPRI08004003		NC	PERCENT	3.3883	1.0365	MG/KG
TPRI08005000						
TPRI08005002		NC	PERCENT	35.4541	5.1758	MG/KG
TPRI08005003						
TPRI08006000						
TPRI08006001		NC	PERCENT	14.2236	2.6595	MG/KG
TPRI08006003						
TPRI08007000						
TPRI08007001		NC	PERCENT	8.6622	1.9038	MG/KG
TPRI08007003						
TPRI08008000						
TPRI08008001		NC	PERCENT	1.8587	0.7631	MG/KG
TPRI08008003						
TPRI08009000		NC	PERCENT	10.2475	2.1303	MG/KG
TPRI08009002						
TPRI08009003						
TSRI02B01008	0.20502	U	PERCENT	66.0063	10.2031	MG/KG
TSRI02B02010		NC	PERCENT	11.5121	2.2906	MG/KG
TSRI02B02010DUP		NC	PERCENT	12.4991	2.6004	MG/KG

**TABLE 3
URANIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	DOE EML HASL-300, U-02-RC Modified Uranium-235, Enrichment - Uncorrected			DOE EML HASL-300, U-02-RC Modified Uranium, Calculated Total Mass - Alpha		
	result	qual.	uom	result	TPU	uom
TSRI02B03010						
TSRI02S01002						
TSRI02S02002						
TSRI02S03002						
TSRI02S03002DUP						
TSRI02S04010						
TSRI02S05008						
TSRI02S06008						
TSRI02S07012						
TSRI02S08010						

**TABLE 4
THORIUM IN SURFACE WATER**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method Fraction param_name Field Sample Id	6020 Dissolved Thorium				6020 Total Thorium				6020 Dissolved Thorium-232, Calculated Activity				6020 Total Thorium-232, Calculated Activity			
	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom	result	qual.	MDC	uom
SWRI06001000	0.33	U	1	UG/L	0.38	U	1	UG/L	0.03613	U		pCi/L	0.0416	U		pCi/L
SWRI06002000	0.87	U	1	UG/L	0.86	U	1	UG/L	0.09524	U		pCi/L	0.09414	U		pCi/L
SWRI06003000	0.06	U	1	UG/L	0.075	U	1	UG/L	0.00657	U		pCi/L	0.00821	U		pCi/L
SWRI06003000DUP	0.09	U	1	UG/L	0.1	U	1	UG/L	0.00985	U		pCi/L	0.01095	U		pCi/L
SWRI17001000	0.005	U	1	UG/L	0.061	U	1	UG/L	0.00055	U		pCi/L	0.00668	U		pCi/L
SWRI17002000	0.035	U	1	UG/L	0.7	U	1	UG/L	0.00383	U		pCi/L	0.07663	U		pCi/L
SWRI17003000	0.005	U	1	UG/L	0.2	U	1	UG/L	0.00055	U		pCi/L	0.02189	U		pCi/L
SWRI17004000	0.009	U	1	UG/L	0.073	U	1	UG/L	0.00099	U		pCi/L	0.00799	U		pCi/L
SWRI17005000	0.041	U	1	UG/L	0.077	U	1	UG/L	0.00449	U		pCi/L	0.00843	U		pCi/L
SWRI17006000	0.035	U	1	UG/L	0.019	U	1	UG/L	0.00383	U		pCi/L	0.00208	U		pCi/L
SWRI17007000	0.005	U	1	UG/L	0.031	U	1	UG/L	0.00055	U		pCi/L	0.00339	U		pCi/L
SWRI17008000	0.005	U	1	UG/L	0.025	U	1	UG/L	0.00055	U		pCi/L	0.00274	U		pCi/L
SWRI17009000	0.068	U	1	UG/L	0.098	U	1	UG/L	0.00744	U		pCi/L	0.01073	U		pCi/L
SWRI17009000DUP	0.027	U	1	UG/L	0.051	U	1	UG/L	0.00296	U		pCi/L	0.00558	U		pCi/L
SWRI17010000	0.005	U	1	UG/L	0.027	U	1	UG/L	0.00055	U		pCi/L	0.00296	U		pCi/L
SWRI17026000	0.005	U	1	UG/L	0.029	U	1	UG/L	0.00055	U		pCi/L	0.00317	U		pCi/L
SWRI17027000	0.005	U	1	UG/L	0.031	U	1	UG/L	0.00055	U		pCi/L	0.00339	U		pCi/L
SWRI17028000	0.005	U	1	UG/L	0.029	U	1	UG/L	0.00055	U		pCi/L	0.00317	U		pCi/L
SWRI17029000	0.048	U	1	UG/L	0.066	U	1	UG/L	0.00525	U		pCi/L	0.00723	U		pCi/L
SWRI17030000	0.017	U	1	UG/L	0.062	U	1	UG/L	0.00186	U		pCi/L	0.00679	U		pCi/L
SWRI18002000	0.03	U	1	UG/L	0.12	U	1	UG/L	0.00328	U		pCi/L	0.01314	U		pCi/L
SWRI18003000	0.025	U	1	UG/L	0.18	U	1	UG/L	0.00274	U		pCi/L	0.0197	U		pCi/L
SWRI18008000	0.005	U	1	UG/L	0.008	U	1	UG/L	0.00055	U		pCi/L	0.00088	U		pCi/L
SWRI18009000	0.005	U	1	UG/L	0.006	U	1	UG/L	0.00055	U		pCi/L	0.00066	U		pCi/L
SWRI18010000	0.005	U	1	UG/L	0.008	U	1	UG/L	0.00055	U		pCi/L	0.00088	U		pCi/L
SWRI18011000	0.005	U	1	UG/L	0.028	U	1	UG/L	0.00055	U		pCi/L	0.00307	U		pCi/L
SWRI18012000	0.005	U	1	UG/L	0.013	U	1	UG/L	0.00055	U		pCi/L	0.00142	U		pCi/L
SWRI18013000	0.005	U	1	UG/L	0.022	U	1	UG/L	0.00055	U		pCi/L	0.00241	U		pCi/L
SWRI18014000	0.005	U	1	UG/L	0.018	U	1	UG/L	0.00055	U		pCi/L	0.00197	U		pCi/L
SWRI18015000	0.043	U	1	UG/L	0.059	U	1	UG/L	0.00471	U		pCi/L	0.00646	U		pCi/L
SWRI18015000DUP	0.021	U	1	UG/L	0.043	U	1	UG/L	0.0023	U		pCi/L	0.00471	U		pCi/L
SWRI18016000	0.005	U	1	UG/L	0.005	U	1	UG/L	0.00055	U		pCi/L	0.00055	U		pCi/L
SWRI18017000	0.028	U	1	UG/L	0.005	U	1	UG/L	0.00307	U		pCi/L	0.00055	U		pCi/L
SWRI18018000	0.005	U	1	UG/L	0.005	U	1	UG/L	0.00055	U		pCi/L	0.00055	U		pCi/L
SWRI18019000	0.041	U	1	UG/L	0.038	U	1	UG/L	0.00449	U		pCi/L	0.00416	U		pCi/L
SWRI18020000	0.013	U	1	UG/L	0.014	U	1	UG/L	0.00142	U		pCi/L	0.00153	U		pCi/L
SWRI18021000	0.01	U	1	UG/L	0.017	U	1	UG/L	0.00109	U		pCi/L	0.00186	U		pCi/L
SWRI18022000	0.01	U	1	UG/L	0.031	U	1	UG/L	0.00109	U		pCi/L	0.00339	U		pCi/L

**TABLE 4
THORIUM IN SURFACE WATER**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method Fraction param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Total Thorium, Calculated Total Mass					DOE EML HASL-300, Th-01-RC Modified Total Thorium-232					DOE EML HASL-300, Th-01-RC Modified Total Thorium-228-Alpha				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
	SWRI06001000														
SWRI06002000	1.32456		U		UG/L	0.145	0.132	U	0.199	PCI/L	0.292	0.187		0.253	PCI/L
SWRI06003000	0.27862		U		UG/L	0.0305	0.069	U	0.165	PCI/L	0.0253	0.0986	U	0.255	PCI/L
SWRI06003000DUP	0.15164		U		UG/L	0.0166	0.0662	U	0.199	PCI/L	0.00283	0.0936	U	0.292	PCI/L
SWRI17001000						0	0.0256	U	0.0392	PCI/L	-0.0152	0.0888	U	0.22	PCI/L
SWRI17002000	0.0091		U		UG/L	0.001	0.0541	U	0.188	PCI/L	-0.00247	0.119	U	0.332	PCI/L
SWRI17003000	0.30785		U		UG/L	0.0337	0.0763	U	0.183	PCI/L	0.0948	0.144	U	0.3	PCI/L
SWRI17004000	0.359		U		UG/L	0.0393	0.0632	U	0.118	PCI/L	0.05	0.102	U	0.232	PCI/L
SWRI17005000	-0.20919		U		UG/L	-0.0229	0.0264	U	0.221	PCI/L	-0.0219	0.0962	U	0.33	PCI/L
SWRI17006000	0.06623		U		UG/L	0.00725	0.055	U	0.18	PCI/L	0.0668	0.131	U	0.295	PCI/L
SWRI17007000	-0.0518		U		UG/L	-0.00567	0.0112	U	0.125	PCI/L	0.0477	0.108	U	0.254	PCI/L
SWRI17008000	0.49237		U		UG/L	0.0539	0.0755	U	0.0808	PCI/L	0.177	0.156	U	0.222	PCI/L
SWRI17009000	-0.06413		U		UG/L	-0.00702	0.0591	U	0.154	PCI/L	0.0314	0.121	U	0.314	PCI/L
SWRI17009000DUP	0.25943		U		UG/L	0.0284	0.0643	U	0.154	PCI/L	0.0938	0.109	U	0.193	PCI/L
SWRI17010000	0.24208		U		UG/L	0.0265	0.0522	U	0.0795	PCI/L	0.0934	0.119	U	0.218	PCI/L
SWRI17026000	0.62574		U		UG/L	0.0685	0.106	U	0.209	PCI/L	0.0313	0.106	U	0.275	PCI/L
SWRI17027000	1.01398		U		UG/L	0.111	0.137	U	0.234	PCI/L	0.0733	0.173	U	0.405	PCI/L
SWRI17028000	0.3115		U		UG/L	0.0341	0.0962	U	0.247	PCI/L	0.0682	0.133	U	0.3	PCI/L
SWRI17029000	0.24573		U		UG/L	0.0269	0.0717	U	0.187	PCI/L	0.175	0.209	U	0.392	PCI/L
SWRI17030000	-0.39372		U		UG/L	-0.0431	0.0589	U	0.249	PCI/L	-0.00154	0.0647	U	0.21	PCI/L
SWRI18002000	1.47072				UG/L	0.161	0.135	J	0.5	PCI/L	0.121	0.21	U	0.5	PCI/L
SWRI18003000	0.86234		U		UG/L	0.0944	0.0898	U	0.5	PCI/L	0.129	0.132	U	0.5	PCI/L
SWRI18008000															
SWRI18009000															
SWRI18010000															
SWRI18011000	0.48415		U		UG/L	0.053	0.0537	U	0.0744	PCI/L	-0.00893	0.0977	U	0.229	PCI/L
SWRI18012000															
SWRI18013000															
SWRI18014000															
SWRI18015000	0.04366		U		UG/L	0.00478	0.0408	U	0.105	PCI/L	-0.0501	0.0978	U	0.238	PCI/L
SWRI18015000DUP	-0.29232		U		UG/L	-0.032	0.0377	U	0.132	PCI/L	0.0109	0.0823	U	0.191	PCI/L
SWRI18016000															
SWRI18017000															
SWRI18018000															
SWRI18019000															
SWRI18020000	-0.00232		U		UG/L	-0.00025	0.0433	U	0.122	PCI/L	0.139	0.125	U	0.214	PCI/L
SWRI18021000															
SWRI18022000															

**TABLE 4
THORIUM IN SURFACE WATER**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method Fraction param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Total Thorium-230				
	result	TPU	qual.	MDC	uom
SWRI06001000					
SWRI06002000	0.175	0.213	U	0.358	PCI/L
SWRI06003000	0.0849	0.1	U	0.165	PCI/L
SWRI06003000DUP	0.279	0.205		0.222	PCI/L
SWRI17001000	0.14	0.0976	J	0.126	PCI/L
SWRI17002000	0.109	0.129	U	0.235	PCI/L
SWRI17003000	0.171	0.144	U	0.183	PCI/L
SWRI17004000	0.22	0.145	J	0.118	PCI/L
SWRI17005000	0.131	0.134	U	0.168	PCI/L
SWRI17006000	0.116	0.12	U	0.18	PCI/L
SWRI17007000	0.0212	0.0508	U	0.125	PCI/L
SWRI17008000	0.182	0.148	J	0.168	PCI/L
SWRI17009000	0.0311	0.0672	U	0.154	PCI/L
SWRI17009000DUP	0.146	0.12	J	0.138	PCI/L
SWRI17010000	0.205	0.156	J	0.165	PCI/L
SWRI17026000	0.342	0.23	J	0.284	PCI/L
SWRI17027000	0.166	0.16	U	0.21	PCI/L
SWRI17028000	-0.0885	0.101	U	0.406	PCI/L
SWRI17029000	0.148	0.151	U	0.187	PCI/L
SWRI17030000	0.169	0.133	J	0.159	PCI/L
SWRI18002000	0.251	0.184	U	0.5	PCI/L
SWRI18003000	0.153	0.133	U	0.5	PCI/L
SWRI18008000					
SWRI18009000					
SWRI18010000					
SWRI18011000	0.0715	0.0614	U	0.0744	PCI/L
SWRI18012000					
SWRI18013000					
SWRI18014000					
SWRI18015000	0.0177	0.0628	U	0.141	PCI/L
SWRI18015000DUP	0.256	0.126	J	0.111	PCI/L
SWRI18016000					
SWRI18017000					
SWRI18018000					
SWRI18019000					
SWRI18020000	0.065	0.0922	U	0.178	PCI/L
SWRI18021000					
SWRI18022000					

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SDRI06001001	2.8		0.307	MG/KG	0.30652	pCi/g	4.04677		MG/KG
SDRI06001002	2.9		0.283	MG/KG	0.31746	pCi/g	5.88289		MG/KG
SDRI06005000	5.3		0.278	MG/KG	0.58019	pCi/g			
SDRI06005001	6.8		0.24	MG/KG	0.7444	pCi/g			
SDRI06005002	6.6		0.226	MG/KG	0.7225	pCi/g			
SDRI06009000	7		0.494	MG/KG	0.76629	pCi/g			
SDRI06009001	1.7	J	0.408	MG/KG	0.1861	pCi/g			
SDRI06009001DUP	2.6	J	0.71	MG/KG	0.28462	pCi/g			
SDRI06009002	9.5		0.286	MG/KG	1.03997	pCi/g			
SDRI09001000	3.2	J	0.0012	MG/KG	0.3503	pCi/g	3.21549		MG/KG
SDRI09002000	4.5	J	0.00148	MG/KG	0.49262	pCi/g	5.11556		MG/KG
SDRI09002000DUP	2.4	J	0.00123	MG/KG	0.26273	pCi/g	3.97369		MG/KG
SDRI09003000	1.8	J	0.0011	MG/KG	0.19705	pCi/g	2.32941		MG/KG
SDRI09004000	6.2	J	0.00118	MG/KG	0.67871	pCi/g	5.43528		MG/KG
SDRI10001000	3.33		0.266	MG/KG	0.36454	pCi/g			
SDRI10002000	1.92		0.466	MG/KG	0.21018	pCi/g			
SDRI10003000	3.28		0.423	MG/KG	0.35906	pCi/g	8.07527		MG/KG
SDRI10004000	3.12		0.112	MG/KG	0.34155	pCi/g			
SDRI10005000	2.81		0.121	MG/KG	0.30761	pCi/g			
SDRI10006000	2.29	J	0.0014	MG/KG	0.25069	pCi/g			
SDRI10007000	2.22	J	0.00133	MG/KG	0.24302	pCi/g			
SDRI10008000	2.52		1.38	MG/KG	0.27586	pCi/g			
SDRI10009000	2.91	J	0.0012	MG/KG	0.31856	pCi/g			
SDRI10010000	2.27	J	0.00136	MG/KG	0.24850	pCi/g			
SDRI10011000	4.41	J	0.968	MG/KG	0.48276	pCi/g			
SDRI10012000	2.71		0.996	MG/KG	0.29666	pCi/g	8.11181		MG/KG
SDRI17001000	7.8	J	0.243	MG/KG	0.85387	pCi/g	5.39874		MG/KG
SDRI17002000	4.9	J	0.264	MG/KG	0.5364	pCi/g	5.97424		MG/KG
SDRI17003000	13.8		0.253	MG/KG	1.51069	pCi/g	7.73728		MG/KG
SDRI17004000	6.3		0.344	MG/KG	0.68966	pCi/g	12.69754		MG/KG
SDRI17005000	3.2		0.275	MG/KG	0.3503	pCi/g	4.48525		MG/KG
SDRI17006000	4.5		0.244	MG/KG	0.49262	pCi/g	17.53905		MG/KG
SDRI17007000	3.7		0.237	MG/KG	0.40504	pCi/g	9.31762		MG/KG
SDRI17008000	2.3		0.293	MG/KG	0.25178	pCi/g	9.77437		MG/KG
SDRI17009000	5.1		0.297	MG/KG	0.5583	pCi/g	5.92856		MG/KG
SDRI17009000DUP	4.5		0.299	MG/KG	0.49262	pCi/g	3.80013		MG/KG
SDRI17010000	2.4		0.32	MG/KG	0.26273	pCi/g	7.14351		MG/KG
SDRI17026000	5.6		0.00156	MG/KG	0.61303	pCi/g	18.90929		MG/KG
SDRI17027000	4.1		0.00158	MG/KG	0.44883	pCi/g	11.41865		MG/KG
SDRI17028000	5.7		0.00129	MG/KG	0.62398	pCi/g	8.43153		MG/KG
SDRI17029000	4.9		0.00136	MG/KG	0.5364	pCi/g	9.50032		MG/KG
SDRI17030000	4.6	J	0.00159	MG/KG	0.50356	pCi/g	13.06294		MG/KG
SDRI17031000	5.5		0.00137	MG/KG	0.60209	pCi/g	10.59651		MG/KG
SDRI17031000DUP	5		0.00137	MG/KG	0.54735	pCi/g	8.44067		MG/KG
SDRI17032000	4.7		0.00131	MG/KG	0.51451	pCi/g	9.31762		MG/KG
SDRI17033000	3.6	J	0.0013	MG/KG	0.39409	pCi/g	5.53576		MG/KG
SDRI17034000	4.4	J	0.00137	MG/KG	0.48167	pCi/g	7.34448		MG/KG

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Thorium			6020 Thorium-232, Calculated Activity		EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass			
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SDRI17035000	0.85		0.0016	MG/KG	0.09305	pCi/g	12.51484		MG/KG
SDRI17036000	3530	J	872	UG/KG	0.3864291	pCi/g	10.68786		MG/KG
SDRI17037000	2340		637	UG/KG	0.2561598	pCi/g	7.65507		MG/KG
SDRI17038000	1640	J	663	UG/KG	0.1795308	pCi/g	9.50032		MG/KG
SDRI17039000	882		586	UG/KG	0.09655254	pCi/g	11.60135		MG/KG
SDRI17040000	1230		580	UG/KG	0.1346481	pCi/g	8.59596		MG/KG
SDRI17041000	1210		556	UG/KG	0.1324587	pCi/g	6.7233		MG/KG
SDRI17042000	1640	J	676	UG/KG	0.1795308	pCi/g	11.8754		MG/KG
SDRI17043000	2290		582	UG/KG	0.2506863	pCi/g	10.68786		MG/KG
SDRI17044000	2440	J	710	UG/KG	0.2671068	pCi/g	8.2123		MG/KG
SDRI17045000	3420	J	687	UG/KG	0.3743874	pCi/g	8.96136		MG/KG
SDRI18001000	1.5	J	0.771	MG/KG	0.16421	pCi/g			
SDRI18002000	3.9		0.278	MG/KG	0.42693	pCi/g			
SDRI18003000	3		0.326	MG/KG	0.32841	pCi/g	12.88024		MG/KG
SDRI18004000	1.5	J	0.822	MG/KG	0.16421	pCi/g			
SDRI18004000DUP	1.2	J	0.712	MG/KG	0.13136	pCi/g			
SDRI18005000	1.1	J	0.68	MG/KG	0.12042	pCi/g			
SDRI18006000	1.4	J	0.712	MG/KG	0.15326	pCi/g	8.32191		MG/KG
SDRI18007000	1.2	J	0.653	MG/KG	0.13136	pCi/g			
SDRI18008000	4.1		0.224	MG/KG	0.44883	pCi/g			
SDRI18009000	3.1		0.29	MG/KG	0.33936	pCi/g			
SDRI18010000	2.6		0.296	MG/KG	0.28462	pCi/g			
SDRI18011000	3.1		0.24	MG/KG	0.33936	pCi/g	3.07847		MG/KG
SDRI18012000	6.1	J	0.319	MG/KG	0.66777	pCi/g			
SDRI18013000	2.2	J	0.301	MG/KG	0.24083	pCi/g			
SDRI18014000	4.2	J	0.306	MG/KG	0.45977	pCi/g			
SDRI18015000	3.6		0.237	MG/KG	0.39409	pCi/g	5.65452		MG/KG
SDRI18016000	3.8	J	0.246	MG/KG	0.41599	pCi/g			
SDRI18017000	3	J	0.251	MG/KG	0.32841	pCi/g			
SDRI18018000	1.8		0.318	MG/KG	0.19705	pCi/g			
SDRI18019000	3.5		0.268	MG/KG	0.38315	pCi/g			
SDRI18020000	4.5		0.306	MG/KG	0.49262	pCi/g	2.50297		MG/KG
SDRI18020000DUP	3.4		0.313	MG/KG	0.3722	pCi/g	4.87805		MG/KG
SDRI18021000	3.5		0.361	MG/KG	0.38315	pCi/g			
SDRI18022000	1.4		0.462	MG/KG	0.15326	pCi/g			
EXRI02001000	7.9	J	0.211	MG/KG	0.86481	pCi/g			
SBMWS05000	5		0.221	MG/KG	0.54735	pCi/g			
SBMWS05008	4.7		0.214	MG/KG	0.51451	pCi/g			
SBMWS05054	7		0.221	MG/KG	0.76629	pCi/g			
SBMWS07001	4.9		0.00104	MG/KG	0.5364	pCi/g			
SBMWS07008	4.4		0.00103	MG/KG	0.48167	pCi/g			
SBMWS07058	3.8		0.00118	MG/KG	0.41599	pCi/g			
SBMWS09001	4.6		0.209	MG/KG	0.50356	pCi/g	6.94254		MG/KG
SBMWS09006	6.6		0.215	MG/KG	0.7225	pCi/g			
SBMWS09046	11.4		0.264	MG/KG	1.24796	pCi/g			
SBMWS16001	7.7	J	0.229	MG/KG	0.84292	pCi/g			
SBMWS16008	8.2	J	0.223	MG/KG	0.89765	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		E EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SBMWS16049	5.2	J	0.202	MG/KG	0.56924	pCi/g			
SBMWS16069									
SBMWS16073									
SBMWS16077									
SBMWT24000	3.6		0.208	MG/KG	0.39409	pCi/g	6.37618		MG/KG
SBMWT24009	4.5		0.209	MG/KG	0.49262	pCi/g			
SBMWT24049	4.6		0.219	MG/KG	0.50356	pCi/g	5.12469		MG/KG
SBRI01001008	9	J	0.203	MG/KG	0.98523	pCi/g			
SBRI01001013	5.6	J	0.201	MG/KG	0.61303	pCi/g			
SBRI01001018	5.9	J	0.203	MG/KG	0.64587	pCi/g			
SBRI01001023	4.9	J	0.199	MG/KG	0.5364	pCi/g	8.10268		MG/KG
SBRI01001028	6.2	J	0.238	MG/KG	0.67871	pCi/g			
SBRI01001033	2.8	J	0.202	MG/KG	0.30652	pCi/g	4.54006		MG/KG
SBRI01001038	5.7	J	0.24	MG/KG	0.62398	pCi/g			
SBRI01001043	11.2	J	0.236	MG/KG	1.22606	pCi/g			
SBRI01001048	3.4	J	0.245	MG/KG	0.3722	pCi/g			
SBRI01001053	6.1	J	0.233	MG/KG	0.66777	pCi/g			
SBRI01001058	28.9	J	0.214	MG/KG	3.16368	pCi/g			
SBRI01001063	8.3	J	0.212	MG/KG	0.9086	pCi/g			
SBRI01002008	6.7	J	0.203	MG/KG	0.73345	pCi/g	10.87056		MG/KG
SBRI01002013	10.2	J	0.204	MG/KG	1.11659	pCi/g			
SBRI01002018	5.4	J	0.212	MG/KG	0.59114	pCi/g			
SBRI01002023	6.4		0.237	MG/KG	0.70061	pCi/g			
SBRI01002023DUP	4.6		0.234	MG/KG	0.50356	pCi/g			
SBRI01002028	9.4	J	0.256	MG/KG	1.02902	pCi/g			
SBRI01002033	6.7	J	0.242	MG/KG	0.73345	pCi/g			
SBRI01002038	3.5	J	0.225	MG/KG	0.38315	pCi/g			
SBRI01002043	6.6	J	0.243	MG/KG	0.7225	pCi/g			
SBRI01002048	2.7	J	0.256	MG/KG	0.29557	pCi/g			
SBRI01002053	5.6	J	0.245	MG/KG	0.61303	pCi/g			
SBRI01002059	8.3		0.221	MG/KG	0.9086	pCi/g	17.4477		MG/KG
SBRI01002059DUP							12.4235		MG/KG
SBRI01003013	5.6		0.205	MG/KG	0.61303	pCi/g			
SBRI01003018	6.7		0.207	MG/KG	0.73345	pCi/g	14.15913		MG/KG
SBRI01003023	8.3		0.255	MG/KG	0.9086	pCi/g			
SBRI01003028	11.5		0.266	MG/KG	1.25891	pCi/g			
SBRI01003033	8.4		0.252	MG/KG	0.91955	pCi/g			
SBRI01003038	5.6		0.25	MG/KG	0.61303	pCi/g			
SBRI01003043	9		0.252	MG/KG	0.98523	pCi/g	6.42185		MG/KG
SBRI01003048	10.3		0.263	MG/KG	1.12754	pCi/g			
SBRI01003053	8.8		0.218	MG/KG	0.96334	pCi/g			
SBRI01003058	7		0.221	MG/KG	0.76629	pCi/g			
SBRI01004008	5.5	J	0.206	MG/KG	0.60209	pCi/g	7.60939		MG/KG
SBRI01004013	5.4	J	0.202	MG/KG	0.59114	pCi/g			
SBRI01004018	3.1	J	0.241	MG/KG	0.33936	pCi/g			
SBRI01004023	7.2		0.233	MG/KG	0.78818	pCi/g			
SBRI01004028	4.7		0.224	MG/KG	0.51451	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SBRI01004033	6.8		0.242	MG/KG	0.7444	pCi/g			
SBRI01004038	4.5		0.247	MG/KG	0.49262	pCi/g			
SBRI01004043	7.8		0.233	MG/KG	0.85387	pCi/g			
SBRI01004048	8.8		0.241	MG/KG	0.96334	pCi/g			
SBRI01004053	6.1	J	0.22	MG/KG	0.66777	pCi/g	9.86572		MG/KG
SBRI01005010	10		0.231	MG/KG	1.0947	pCi/g			
SBRI01005013	9.1		0.237	MG/KG	0.99618	pCi/g	20.00548		MG/KG
SBRI01005018	7.3		0.27	MG/KG	0.79913	pCi/g			
SBRI01005023	7.2		0.251	MG/KG	0.78818	pCi/g			
SBRI01005028	4.5		0.219	MG/KG	0.49262	pCi/g			
SBRI01005033	7.6		0.232	MG/KG	0.83197	pCi/g	7.4541		MG/KG
SBRI01005038	10		0.248	MG/KG	1.0947	pCi/g			
SBRI01005043	4.3		0.255	MG/KG	0.47072	pCi/g			
SBRI01005048	4.8		0.244	MG/KG	0.52546	pCi/g			
SBRI01005053	7.1		0.215	MG/KG	0.77724	pCi/g			
SBRI01005058	6.6		0.216	MG/KG	0.7225	pCi/g			
SBRI01005063	6.8		0.215	MG/KG	0.7444	pCi/g			
SBRI01006009	6.5		0.214	MG/KG	0.71156	pCi/g			
SBRI01006014	5.5		0.214	MG/KG	0.60209	pCi/g			
SBRI01006019	8.4		0.22	MG/KG	0.91955	pCi/g	9.50032		MG/KG
SBRI01006024	7.5		0.228	MG/KG	0.82103	pCi/g			
SBRI01006029	4.1		0.24	MG/KG	0.44883	pCi/g			
SBRI01006034	4.1		0.245	MG/KG	0.44883	pCi/g	6.44012		MG/KG
SBRI01006039	4		0.241	MG/KG	0.43788	pCi/g			
SBRI01006044	5.3		0.246	MG/KG	0.58019	pCi/g			
SBRI01006049	9.3		0.224	MG/KG	1.01807	pCi/g			
SBRI01007000	3.2		0.00116	MG/KG	0.3503	pCi/g			
SBRI01007001	7.7		0.218	MG/KG	0.84292	pCi/g	9.40897		MG/KG
SBRI01007008	10.9		0.00117	MG/KG	1.19322	pCi/g			
SBRI01007016	6.3		0.00104	MG/KG	0.68966	pCi/g			
SBRI01007036	6.6		0.202	MG/KG	0.7225	pCi/g			
SBRI01007044	6.9		0.229	MG/KG	0.75534	pCi/g	3.90061		MG/KG
SBRI01007052	3.6		0.208	MG/KG	0.39409	pCi/g			
SBRI01008000	5		0.216	MG/KG	0.54735	pCi/g			
SBRI01008009	6.3		0.211	MG/KG	0.68966	pCi/g	5.61798		MG/KG
SBRI01008019	10.8		0.222	MG/KG	1.18228	pCi/g			
SBRI01008029	4.8		0.198	MG/KG	0.52546	pCi/g			
SBRI01008039	5.4		0.2	MG/KG	0.59114	pCi/g			
SBRI01008049	4.4		0.23	MG/KG	0.48167	pCi/g	7.4541		MG/KG
SBRI01008059	4		0.232	MG/KG	0.43788	pCi/g			
SBRI01008069	8.5		0.228	MG/KG	0.9305	pCi/g			
SBRI01008079	9.4		0.229	MG/KG	1.02902	pCi/g			
SBRI01009000	6.5		0.216	MG/KG	0.71156	pCi/g			
SBRI01009004	6.8		0.206	MG/KG	0.7444	pCi/g	11.78405		MG/KG
SBRI01009008	8.7		0.00128	MG/KG	0.95239	pCi/g			
SBRI01009019	7.6		0.00112	MG/KG	0.83197	pCi/g			
SBRI01009029	11.7		0.00114	MG/KG	1.2808	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Thorium			6020 Thorium-232, Calculated Activity		DE EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass			
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SBRI01009039	7.7		0.00107	MG/KG	0.84292	pCi/g			
SBRI01009049	5.6		0.00114	MG/KG	0.61303	pCi/g			
SBRI01009059	5.3		0.00125	MG/KG	0.58019	pCi/g	5.39874		MG/KG
SBRI01009074	10		0.00106	MG/KG	1.0947	pCi/g			
SBRI01010000	9.3		0.21	MG/KG	1.01807	pCi/g	17.53905		MG/KG
SBRI01010002	4.3		0.226	MG/KG	0.47072	pCi/g			
SBRI01010008	8.9		0.217	MG/KG	0.97428	pCi/g			
SBRI01010019	11.5		0.241	MG/KG	1.25891	pCi/g			
SBRI01010029	9.8	J	0.23	MG/KG	1.07281	pCi/g			
SBRI01010039	8.9	J	0.235	MG/KG	0.97428	pCi/g			
SBRI01010049	5.3	J	0.227	MG/KG	0.58019	pCi/g			
SBRI01010059	7.5		0.239	MG/KG	0.82103	pCi/g	8.4224		MG/KG
SBRI01010069	8.5	J	0.222	MG/KG	0.9305	pCi/g			
SBRI01010079	7.3	J	0.213	MG/KG	0.79913	pCi/g			
SBRI01011000	4.1		0.211	MG/KG	0.44883	pCi/g			
SBRI01011002	3.8		0.208	MG/KG	0.41599	pCi/g			
SBRI01011008	5.1		0.208	MG/KG	0.5583	pCi/g			
SBRI01011019	7.2		0.205	MG/KG	0.78818	pCi/g			
SBRI01011029	2.7		0.209	MG/KG	0.29557	pCi/g			
SBRI01011039	3.4		0.234	MG/KG	0.3722	pCi/g	12.14945		MG/KG
SBRI01011044	5		0.223	MG/KG	0.54735	pCi/g			
SBRI01011054	4		0.232	MG/KG	0.43788	pCi/g			
SBRI01011064	4.3		0.254	MG/KG	0.47072	pCi/g	13.15429		MG/KG
SBRI01011074	7.1	J	0.219	MG/KG	0.77724	pCi/g			
SBRI01011084	8.3	J	0.222	MG/KG	0.9086	pCi/g			
SBRI01012000	5.6		0.21	MG/KG	0.61303	pCi/g			
SBRI01012001	3.8		0.21	MG/KG	0.41599	pCi/g			
SBRI01012008	4.2		0.205	MG/KG	0.45977	pCi/g			
SBRI01012020	4.2		0.207	MG/KG	0.45977	pCi/g			
SBRI01012025	5.5		0.205	MG/KG	0.60209	pCi/g	11.23596		MG/KG
SBRI01012035	6.6		0.208	MG/KG	0.7225	pCi/g			
SBRI01012040	39.1		0.232	MG/KG	4.28028	pCi/g			
SBRI01012055	5.4		0.214	MG/KG	0.59114	pCi/g	9.77437		MG/KG
SBRI01012065	7		0.225	MG/KG	0.76629	pCi/g			
SBRI01013000	5.4	J	0.00106	MG/KG	0.59114	pCi/g	12.88024		MG/KG
SBRI01013001	5	J	0.00104	MG/KG	0.54735	pCi/g			
SBRI01013008	6.9	J	0.00105	MG/KG	0.75534	pCi/g			
SBRI01013019	5.7	J	0.001	MG/KG	0.62398	pCi/g			
SBRI01013029	6.1		0.00106	MG/KG	0.66777	pCi/g			
SBRI01013039	3.7	J	0.00116	MG/KG	0.40504	pCi/g	6.21175		MG/KG
SBRI01013049	5.5	J	0.00124	MG/KG	0.60209	pCi/g			
SBRI01013059	4.8	J	0.00123	MG/KG	0.52546	pCi/g			
SBRI01013069	7.3	J	0.00124	MG/KG	0.79913	pCi/g			
SBRI01013074	6.6	J	0.00111	MG/KG	0.7225	pCi/g			
SBRI01013084	7.5	J	0.00108	MG/KG	0.82103	pCi/g			
SBRI01014000	5.9	J	0.00106	MG/KG	0.64587	pCi/g			
SBRI01014001	4.3	J	0.00101	MG/KG	0.47072	pCi/g	9.77437		MG/KG

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		E EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SBRI01014008	7.8	J	0.204	MG/KG	0.85387	pCi/g			
SBRI01014020	5.6	J	0.21	MG/KG	0.61303	pCi/g			
SBRI01014030	3.1	J	0.00105	MG/KG	0.33936	pCi/g			
SBRI01014040	5.3	J	0.222	MG/KG	0.58019	pCi/g			
SBRI01014050	3.7	J	0.236	MG/KG	0.40504	pCi/g			
SBRI01014060	3.8	J	0.216	MG/KG	0.41599	pCi/g	11.51		MG/KG
SBRI01014070	3.9	J	0.219	MG/KG	0.42693	pCi/g			
SBRI01015000	5.3		0.0011	MG/KG	0.58019	pCi/g	9.59167		MG/KG
SBRI01015001	3.9		0.209	MG/KG	0.42693	pCi/g			
SBRI01015008	5.8		0.203	MG/KG	0.63493	pCi/g			
SBRI01015008DUP	4.9		0.00103	MG/KG	0.5364	pCi/g			
SBRI01016000	4.6		0.00102	MG/KG	0.50356	pCi/g	6.07472		MG/KG
SBRI01016001	8.6		0.00103	MG/KG	0.94144	pCi/g			
SBRI01016008	4.2		0.00101	MG/KG	0.45977	pCi/g			
SBRI01017000	3.4	J	0.21	MG/KG	0.3722	pCi/g	7.16178		MG/KG
SBRI01017001	5.9	J	0.214	MG/KG	0.64587	pCi/g			
SBRI01017008	5.5	J	0.201	MG/KG	0.60209	pCi/g			
SBRI01018001	4.6	J	0.208	MG/KG	0.50356	pCi/g			
SBRI01018008	9.4	J	0.218	MG/KG	1.02902	pCi/g			
SBRI01019000	4.6		0.00108	MG/KG	0.50356	pCi/g	8.07527		MG/KG
SBRI01019001	6		0.00104	MG/KG	0.65682	pCi/g			
SBRI01019008	5.2		0.00103	MG/KG	0.56924	pCi/g			
SBRI01020000	4.7		0.211	MG/KG	0.51451	pCi/g	8.40413		MG/KG
SBRI01020001	5		0.223	MG/KG	0.54735	pCi/g			
SBRI01020008	4.1		0.202	MG/KG	0.44883	pCi/g			
SBRI01021000	3.9		0.223	MG/KG	0.42693	pCi/g	7.31707		MG/KG
SBRI01021001	5.9		0.216	MG/KG	0.64587	pCi/g			
SBRI01021008	4.1		0.209	MG/KG	0.44883	pCi/g			
SBRI01022000	6.8		0.00107	MG/KG	0.7444	pCi/g	7.31707		MG/KG
SBRI01022001	5.8		0.00105	MG/KG	0.63493	pCi/g			
SBRI01022008	4.8		0.00111	MG/KG	0.52546	pCi/g			
SBRI05001005	4.9		0.209	MG/KG	0.5364	pCi/g			
SBRI05001015	10		0.262	MG/KG	1.0947	pCi/g			
SBRI05001030	3		0.256	MG/KG	0.32841	pCi/g			
SBRI05002005	3.4		0.205	MG/KG	0.3722	pCi/g	14.25048		MG/KG
SBRI05002005DUP	3.8		0.203	MG/KG	0.41599	pCi/g	13.51969		MG/KG
SBRI05002015	6.4		0.248	MG/KG	0.70061	pCi/g			
SBRI05002030	4.1		0.27	MG/KG	0.44883	pCi/g			
SBRI05003005	4.7		0.209	MG/KG	0.51451	pCi/g			
SBRI05003015	12.5		0.276	MG/KG	1.36838	pCi/g			
SBRI05003030	12.2		0.272	MG/KG	1.33553	pCi/g			
SBRI05004005	12.2	J	0.213	MG/KG	1.33553	pCi/g			
SBRI05004015	12.7	J	0.259	MG/KG	1.39027	pCi/g			
SBRI05004030	9.4	J	0.276	MG/KG	1.02902	pCi/g			
SBRI05005005	3.9		0.206	MG/KG	0.42693	pCi/g	4.0011		MG/KG
SBRI05005015	7.8		0.257	MG/KG	0.85387	pCi/g			
SBRI05005030	6.5		0.256	MG/KG	0.71156	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		E EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SBRI05006005	7.3		0.211	MG/KG	0.79913	pCi/g			
SBRI05006015	11.9		0.276	MG/KG	1.30269	pCi/g			
SBRI05006030	11.2		0.26	MG/KG	1.22606	pCi/g			
SBRI05007005	6	J	0.211	MG/KG	0.65682	pCi/g			
SBRI05007015	5.2	J	0.205	MG/KG	0.56924	pCi/g			
SBRI05008005	5.4	J	0.206	MG/KG	0.59114	pCi/g			
SBRI05008015	7.5	J	0.205	MG/KG	0.82103	pCi/g			
SBRI05008040	5	J	0.241	MG/KG	0.54735	pCi/g			
SBRI05009005	8.7	J	0.203	MG/KG	0.95239	pCi/g	7.73728		MG/KG
SBRI05009015	9.7	J	0.222	MG/KG	1.06186	pCi/g			
SBRI05009040	8.2	J	0.206	MG/KG	0.89765	pCi/g			
SBRI05010005	5.7	J	0.209	MG/KG	0.62398	pCi/g			
SBRI05010005DUP	5.6	J	0.205	MG/KG	0.61303	pCi/g			
SBRI05010015	4.2	J	0.206	MG/KG	0.45977	pCi/g	8.96136		MG/KG
SBRI05010040	5.6	J	0.221	MG/KG	0.61303	pCi/g			
SBRI05011009	11.5	J	0.202	MG/KG	1.25891	pCi/g			
SBRI05011029	10.4	J	0.251	MG/KG	1.13849	pCi/g			
SBRI05012008	7.2		0.204	MG/KG	0.78818	pCi/g	10.32246		MG/KG
SBRI05012028	9.6		0.246	MG/KG	1.05091	pCi/g	4.01023		MG/KG
SBRI05013008	4.3		0.202	MG/KG	0.47072	pCi/g			
SBRI05013029	10.8		0.272	MG/KG	1.18228	pCi/g			
SBRI05014009	5.8		0.21	MG/KG	0.63493	pCi/g			
SBRI05014034	6.7		0.245	MG/KG	0.73345	pCi/g			
SBRI05015014	5.8	J	0.00102	MG/KG	0.63493	pCi/g	11.51		MG/KG
SBRI05015044	6.9	J	0.00108	MG/KG	0.75534	pCi/g			
SBRI05016009	6.7	J	0.216	MG/KG	0.73345	pCi/g			
SBRI05016034	6.5	J	0.208	MG/KG	0.71156	pCi/g			
SBRI05017009	4.3	J	0.000985	MG/KG	0.47072	pCi/g	8.54115		MG/KG
SBRI05017009DUP	5.6	J	0.001	MG/KG	0.61303	pCi/g			
SBRI05017034	4.5	J	0.00101	MG/KG	0.49262	pCi/g			
SBRI05018006	6.4	J	0.214	MG/KG	0.70061	pCi/g			
SBRI05018010	7.8	J	0.205	MG/KG	0.85387	pCi/g			
SBRI05018024	6.7	J	0.219	MG/KG	0.73345	pCi/g			
SBRI05018024DUP	7	J	0.217	MG/KG	0.76629	pCi/g			
SBRI05019005	5		0.00108	MG/KG	0.54735	pCi/g			
SBRI05019010	5.3		0.0011	MG/KG	0.58019	pCi/g			
SBRI05019055	5.5		0.00113	MG/KG	0.60209	pCi/g			
SBRI07001000	5.9		0.201	MG/KG	0.64587	pCi/g			
SBRI07001004	4.5		0.204	MG/KG	0.49262	pCi/g			
SBRI07002000	5.7	J	0.207	MG/KG	0.62398	pCi/g			
SBRI07002004	3.4	J	0.203	MG/KG	0.3722	pCi/g			
SBRI07003000	5.3	J	0.203	MG/KG	0.58019	pCi/g			
SBRI07003004	3.3	J	0.204	MG/KG	0.36125	pCi/g			
SBRI07004000	5.5		0.208	MG/KG	0.60209	pCi/g			
SBRI07004004	5.4		0.215	MG/KG	0.59114	pCi/g			
SBRI07005000	3.8	J	0.212	MG/KG	0.41599	pCi/g			
SBRI07005004	3.5	J	0.207	MG/KG	0.38315	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SBRI07006000	4.4	J	0.212	MG/KG	0.48167	pCi/g			
SBRI07006004	6.8	J	0.226	MG/KG	0.7444	pCi/g			
SBRI07007000	6.7	J	0.209	MG/KG	0.73345	pCi/g			
SBRI07007004	5.5	J	0.211	MG/KG	0.60209	pCi/g			
SBRI07008000	6.2		0.00108	MG/KG	0.67871	pCi/g			
SBRI07008004	5.9		0.00101	MG/KG	0.64587	pCi/g			
SBRI07009000	3.4	J	0.212	MG/KG	0.3722	pCi/g			
SBRI07009004	9.1	J	0.205	MG/KG	0.99618	pCi/g			
SBRI07010000	6.6	J	0.211	MG/KG	0.7225	pCi/g			
SBRI07010004	7.5	J	0.201	MG/KG	0.82103	pCi/g			
SBRI11001000	4.6	J	0.205	MG/KG	0.50356	pCi/g	4.75016		MG/KG
SBRI11001004	5.3	J	0.203	MG/KG	0.58019	pCi/g			
SBRI11001004DUP	12.8	J	0.209	MG/KG	1.40122	pCi/g			
SBRI11002001	6.1		0.00105	MG/KG	0.66777	pCi/g			
SBRI11002001DUP	4.9		0.00106	MG/KG	0.5364	pCi/g			
SBRI11002004	5.7		0.00106	MG/KG	0.62398	pCi/g			
SBRI11003000	5.9		0.00107	MG/KG	0.64587	pCi/g	4.09245		MG/KG
SBRI11003004	8.2		0.00112	MG/KG	0.89765	pCi/g			
SBRI11004000	6		0.00106	MG/KG	0.65682	pCi/g			
SBRI11004008	4.9		0.00102	MG/KG	0.5364	pCi/g			
SBRI11005000	4.7		0.219	MG/KG	0.51451	pCi/g	11.23596		MG/KG
SBRI11005009	5.5		0.205	MG/KG	0.60209	pCi/g			
SBRI11005065	5.5		0.237	MG/KG	0.60209	pCi/g			
SBRI11006000	3.7	J	0.00107	MG/KG	0.40504	pCi/g			
SBRI11006004	5.7	J	0.00106	MG/KG	0.62398	pCi/g			
SBRI11007000	5.8	J	0.00105	MG/KG	0.63493	pCi/g			
SBRI11007004	5.8	J	0.00109	MG/KG	0.63493	pCi/g			
SBRI11008000	6.6	J	0.0011	MG/KG	0.7225	pCi/g			
SBRI11008004	34.5	J	0.00111	MG/KG	3.77672	pCi/g			
SBRI11009000	5.1	J	0.208	MG/KG	0.5583	pCi/g			
SBRI11009004	4	J	0.213	MG/KG	0.43788	pCi/g			
SBRI11010000	5.2	J	0.211	MG/KG	0.56924	pCi/g			
SBRI11010004	6.7	J	0.203	MG/KG	0.73345	pCi/g			
SBRI11011000	4.1	J	0.00105	MG/KG	0.44883	pCi/g	2.07363		MG/KG
SBRI11011004	6.3	J	0.00106	MG/KG	0.68966	pCi/g			
SBRI11012000	6.7		0.00103	MG/KG	0.73345	pCi/g	8.62337		MG/KG
SBRI11012008	5.9		0.00104	MG/KG	0.64587	pCi/g			
SBRI11013000	5.3	J	0.207	MG/KG	0.58019	pCi/g			
SBRI11014000	5	J	0.209	MG/KG	0.54735	pCi/g			
SBRI11015000	5	J	0.208	MG/KG	0.54735	pCi/g			
SBRI11016062									
SBRI11016066									
SBRI11016070									
SBRI11016074									
SBRI11016078									
SSRI04001000	5.4		0.236	MG/KG	0.59114	pCi/g			
SSRI04001001	4		0.231	MG/KG	0.43788	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		DE EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SSRI04002000	6.9		0.218	MG/KG	0.75534	pCi/g			
SSRI04002001	3		0.207	MG/KG	0.32841	pCi/g			
SSRI04003000	3.3	J	0.239	MG/KG	0.36125	pCi/g			
SSRI04003001	9.3		0.208	MG/KG	1.01807	pCi/g			
SSRI04004000	5.4		0.245	MG/KG	0.59114	pCi/g			
SSRI04004001	4.9		0.213	MG/KG	0.5364	pCi/g			
SSRI04005000	4.8		0.228	MG/KG	0.52546	pCi/g			
SSRI04005001	4		0.232	MG/KG	0.43788	pCi/g			
SSRI04006000	4.8		0.241	MG/KG	0.52546	pCi/g			
SSRI04006001	7.4		0.231	MG/KG	0.81008	pCi/g			
SSRI04007000	4.4		0.21	MG/KG	0.48167	pCi/g			
SSRI04007001	2.9		0.209	MG/KG	0.31746	pCi/g			
SSRI04008000	1.9		0.202	MG/KG	0.20799	pCi/g			
SSRI04008001	7.8		0.205	MG/KG	0.85387	pCi/g			
SSRI04009000	4.6		0.239	MG/KG	0.50356	pCi/g	10.41381		MG/KG
SSRI04009001	4.9		0.218	MG/KG	0.5364	pCi/g			
SSRI04010000	1.8		0.254	MG/KG	0.19705	pCi/g	6.71417		MG/KG
SSRI04010001	8.5		0.214	MG/KG	0.9305	pCi/g			
SSRI04011000	5.6		0.217	MG/KG	0.61303	pCi/g	7.13437		MG/KG
SSRI04011001	5		0.213	MG/KG	0.54735	pCi/g			
SSRI04012000	3	J	0.239	MG/KG	0.32841	pCi/g			
SSRI04012000DUP	5	J	0.236	MG/KG	0.54735	pCi/g			
SSRI04012001	6.1		0.225	MG/KG	0.66777	pCi/g			
SSRI04013000	5.2		0.212	MG/KG	0.56924	pCi/g	17.72175		MG/KG
SSRI04013001	5.7		0.217	MG/KG	0.62398	pCi/g			
SSRI04014000	3.9		0.225	MG/KG	0.42693	pCi/g			
SSRI04014001	7.2		0.21	MG/KG	0.78818	pCi/g			
SSRI04015000	6.7		0.296	MG/KG	0.73345	pCi/g			
SSRI04015001	9.6		0.239	MG/KG	1.05091	pCi/g			
SSRI04016000	5.5		0.217	MG/KG	0.60209	pCi/g	11.6927		MG/KG
SSRI04016001	6.9		0.21	MG/KG	0.75534	pCi/g			
SSRI04017000	7		0.22	MG/KG	0.76629	pCi/g	8.83347		MG/KG
SSRI04018000	4.3		0.234	MG/KG	0.47072	pCi/g			
SSRI04018000DUP	3.3		0.23	MG/KG	0.36125	pCi/g			
SSRI04019000	4.7	J	0.282	MG/KG	0.51451	pCi/g			
SSRI04019000DUP	3.6	J	0.266	MG/KG	0.39409	pCi/g			
SSRI04020000	4.6		0.226	MG/KG	0.50356	pCi/g			
SSRI04021000	3.9		0.231	MG/KG	0.42693	pCi/g	5.5723		MG/KG
SSRI07001000	4.3	J	0.211	MG/KG	0.47072	pCi/g			
SSRI07001001	3.8	J	0.206	MG/KG	0.41599	pCi/g			
SSRI07002000	5.5	J	0.225	MG/KG	0.60209	pCi/g	5.58144		MG/KG
SSRI07002001	7.5	J	0.233	MG/KG	0.82103	pCi/g	11.14461		MG/KG
SSRI07003000	8.4	J	0.237	MG/KG	0.91955	pCi/g			
SSRI07003001	6.3	J	0.229	MG/KG	0.68966	pCi/g			
SSRI07004000	4.2	J	0.229	MG/KG	0.45977	pCi/g			
SSRI07004001	7.7	J	0.221	MG/KG	0.84292	pCi/g			
SSRI07005000	4.4	J	0.297	MG/KG	0.48167	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		E EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SSRI07005001	8	J	0.246	MG/KG	0.87576	pCi/g			
SSRI07006000	4.3		0.269	MG/KG	0.47072	pCi/g	8.50461		MG/KG
SSRI07006001	5.4		0.227	MG/KG	0.59114	pCi/g	17.08231		MG/KG
SSRI07007000	3.6		0.304	MG/KG	0.39409	pCi/g			
SSRI07007001	4.9		0.252	MG/KG	0.5364	pCi/g			
SSRI07008000	5.8	J	0.222	MG/KG	0.63493	pCi/g			
SSRI07008001	6.2	J	0.224	MG/KG	0.67871	pCi/g			
SSRI07009000	5.3		0.235	MG/KG	0.58019	pCi/g			
SSRI07009001	4.2		0.22	MG/KG	0.45977	pCi/g			
SSRI07010000	4.2		0.225	MG/KG	0.45977	pCi/g			
SSRI07010001	5.2		0.224	MG/KG	0.56924	pCi/g			
SSRI07011000	5.4	J	0.222	MG/KG	0.59114	pCi/g			
SSRI07011001	5.2	J	0.229	MG/KG	0.56924	pCi/g			
SSRI07012000	3.5		0.238	MG/KG	0.38315	pCi/g	14.88992		MG/KG
SSRI07012001	4.1		0.223	MG/KG	0.44883	pCi/g	16.53421		MG/KG
SSRI07013000	3.1		0.214	MG/KG	0.33936	pCi/g			
SSRI07013001	3.4	J	0.227	MG/KG	0.3722	pCi/g			
SSRI07014000	3		0.248	MG/KG	0.32841	pCi/g	9.31762		MG/KG
SSRI07014000DUP	3.1		0.252	MG/KG	0.33936	pCi/g	14.34183		MG/KG
SSRI07014001	2.3		0.228	MG/KG	0.25178	pCi/g	10.23111		MG/KG
SSRI07015000	5.3	J	0.224	MG/KG	0.58019	pCi/g			
SSRI07015001	5.3	J	0.22	MG/KG	0.58019	pCi/g			
SSRI07016000	4.3	J	0.245	MG/KG	0.47072	pCi/g			
SSRI07016001	4.2	J	0.231	MG/KG	0.45977	pCi/g			
SSRI07017000	4.8		0.228	MG/KG	0.52546	pCi/g			
SSRI07017001	4.5		0.222	MG/KG	0.49262	pCi/g			
SSRI07018000	3.8		0.228	MG/KG	0.41599	pCi/g			
SSRI07018001	4.2		0.232	MG/KG	0.45977	pCi/g			
SSRI09001000	2960		0.256	UG/KG	0.3240312	pCi/g	5.38047		MG/KG
SSRI09001000DUP	3100		0.241	UG/KG	0.339357	pCi/g			
SSRI09002000	3540		0.242	UG/KG	0.3875238	pCi/g			
SSRI09003000	5690		0.302	UG/KG	0.6228843	pCi/g			
SSRI09003001	7620		0.22	UG/KG	0.8341614	pCi/g			
SSRI09004000	5040		0.27	UG/KG	0.5517288	pCi/g	5.55403		MG/KG
SSRI09004001	4940		0.226	UG/KG	0.5407818	pCi/g	7.03389		MG/KG
SSRI09005000	5170		0.334	UG/KG	0.5659599	pCi/g			
SSRI09005001	4520		0.252	UG/KG	0.4948044	pCi/g			
SSRI09006000	4680		0.271	UG/KG	0.5123196	pCi/g			
SSRI09007000	3540		0.267	UG/KG	0.3875238	pCi/g			
SSRI09008000	3130		0.302	UG/KG	0.3426411	pCi/g	6.43099		MG/KG
SSRI09009000	4820		0.27	UG/KG	0.5276454	pCi/g			
SSRI09010000	3.3		0.259	MG/KG	0.36125	pCi/g	7.44496		MG/KG
SSRI09011000	4.7		0.309	MG/KG	0.51451	pCi/g			
SSRI09011001	2.9		0.243	MG/KG	0.31746	pCi/g			
SSRI09012000	4.8		0.231	MG/KG	0.52546	pCi/g			
SSRI09013000	5.3		0.213	MG/KG	0.58019	pCi/g	7.44496		MG/KG
SSRI09014000	4.9		0.233	MG/KG	0.5364	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		E EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SSRI09014001	4.2		0.309	MG/KG	0.45977	pCi/g			
SSRI09015000	3.7		0.251	MG/KG	0.40504	pCi/g			
SSRI09016000	2.4		0.224	MG/KG	0.26273	pCi/g			
SSRI09016001	6.5		0.224	MG/KG	0.71156	pCi/g			
SSRI09017000	4.4		0.217	MG/KG	0.48167	pCi/g	12.2408		MG/KG
SSRI09018000	4.3		0.237	MG/KG	0.47072	pCi/g			
SSRI09019000	4.7		0.235	MG/KG	0.51451	pCi/g	4.85978		MG/KG
SSRI09020000	2.9		0.214	MG/KG	0.31746	pCi/g			
SSRI09020001	5.2		0.22	MG/KG	0.56924	pCi/g			
SSRI09021000	3.6		0.217	MG/KG	0.39409	pCi/g	5.22518		MG/KG
SSRI09022000	5		0.219	MG/KG	0.54735	pCi/g			
SSRI09023000	7.8		0.211	MG/KG	0.85387	pCi/g			
SSRI09023001	5.4		0.24	MG/KG	0.59114	pCi/g			
SSRI09024000	3.7		0.209	MG/KG	0.40504	pCi/g	6.38531		MG/KG
SSRI09025000	3.3		0.236	MG/KG	0.36125	pCi/g			
SSRI09025001	4.3		0.237	MG/KG	0.47072	pCi/g			
SSRI09026000	4.2		0.242	MG/KG	0.45977	pCi/g			
SSRI09027000	4.2		0.21	MG/KG	0.45977	pCi/g			
SSRI14001000	3.3		0.214	MG/KG	0.36125	pCi/g			
SSRI14002000	4460		237	UG/KG	0.4882362	pCi/g			
SSRI14003000	6870		240	UG/KG	0.7520589	pCi/g			
SSRI14004000	6440		234	UG/KG	0.7049868	pCi/g			
SSRI14005000	6350		247	UG/KG	0.6951345	pCi/g	12.14945		MG/KG
SSRI14006000	4590		226	UG/KG	0.5024673	pCi/g			
SSRI14007000	2120		234	UG/KG	0.2320764	pCi/g			
SSRI14008000	3430		262	UG/KG	0.3754821	pCi/g			
SSRI14009000	4880		230	UG/KG	0.5342136	pCi/g	6.75071		MG/KG
SSRI14009000DUP	3460		229	UG/KG	0.3787662	pCi/g	6.5132		MG/KG
SSRI14010000	4040		228	UG/KG	0.4422588	pCi/g			
SSRI14011000	4540		239	UG/KG	0.4969938	pCi/g	6.00164		MG/KG
SSRI14012000	5490		234	UG/KG	0.6009903	pCi/g			
SSRI14013000	3810		235	UG/KG	0.4170807	pCi/g			
SSRI14013000DUP	2820		234	UG/KG	0.3087054	pCi/g			
SSRI14014000	4100		223	UG/KG	0.448827	pCi/g			
SSRI14015000	9030		235	UG/KG	0.9885141	pCi/g			
SSRI14016000	5970		243	UG/KG	0.6535359	pCi/g			
SSRI14017000	2590		232	UG/KG	0.2835273	pCi/g			
SSRI14018000	4150		223	UG/KG	0.4543005	pCi/g			
SSRI14019000	4470		244	UG/KG	0.4893309	pCi/g			
SSRI14020000	3990		227	UG/KG	0.4367853	pCi/g			
SSRI14021000	3520		228	UG/KG	0.3853344	pCi/g			
SSRI14022000	4360		225	UG/KG	0.4772892	pCi/g	2.28373		MG/KG
SSRI14023000	3630		241	UG/KG	0.3973761	pCi/g			
SSRI14024000	5430		241	UG/KG	0.5944221	pCi/g			
SSRI14025000	4850		240	UG/KG	0.5309295	pCi/g			
SSRI14026000	3390		244	UG/KG	0.3711033	pCi/g	8.7878		MG/KG
SSRI14027000	3030		245	UG/KG	0.3316941	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SSRI14028000	4210		228	UG/KG	0.4608687	pCi/g			
SSRI14029000	5930		239	UG/KG	0.6491571	pCi/g			
SSRI14030000	5280		256	UG/KG	0.5780016	pCi/g	7.19832		MG/KG
SSRI14030000DUP	7920		254	UG/KG	0.8670024	pCi/g			
SSRI14031000	4290		245	UG/KG	0.4696263	pCi/g			
SSRI14032000	4740		235	UG/KG	0.5188878	pCi/g			
SSRI14033000	3870		235	UG/KG	0.4236489	pCi/g			
SSRI14034000	5240		233	UG/KG	0.5736228	pCi/g			
SSRI14035000	4530	J	222	UG/KG	0.4958991	pCi/g	9.50032		MG/KG
SSRI14036000	4590	J	214	UG/KG	0.5024673	pCi/g	4.13812		MG/KG
SSRI14036000DUP	4890	J	213	UG/KG	0.5353083	pCi/g	5.58144		MG/KG
SSRI14037000	2900	J	202	UG/KG	0.317463	pCi/g			
SSRI14038000	6000	J	222	UG/KG	0.65682	pCi/g			
SSRI14039000	5340		230	UG/KG	0.5845698	pCi/g	8.56856		MG/KG
SSRI14040000	4900		264	UG/KG	0.536403	pCi/g			
SSRI14041000	3540		259	UG/KG	0.3875238	pCi/g			
SSRI14042000	3360		253	UG/KG	0.3678192	pCi/g			
SSRI14043000	6200		218	UG/KG	0.678714	pCi/g	10.50516		MG/KG
SSRI14044000	4570		227	UG/KG	0.5002779	pCi/g			
SSRI14045000	4970		232	UG/KG	0.5440659	pCi/g			
SSRI14046000	4750		241	UG/KG	0.5199825	pCi/g			
SSRI14047000	12200		221	UG/KG	1.335534	pCi/g			
SSRI14048000	4440		211	UG/KG	0.4860468	pCi/g			
SSRI14049000	2520	J	317	UG/KG	0.2758644	pCi/g			
SSRI14050000	3850	J	271	UG/KG	0.4214595	pCi/g			
SSRI14051000	8100	J	239	UG/KG	0.886707	pCi/g	17.35635		MG/KG
SSRI14052000	4490	J	250	UG/KG	0.4915203	pCi/g			
SSRI14053000	6770	J	258	UG/KG	0.7411119	pCi/g	10.77921		MG/KG
SSRI14054000	4960	J	224	UG/KG	0.5429712	pCi/g			
SSRI14055000	5920	J	226	UG/KG	0.6480624	pCi/g			
SSRI14056000	4420	J	243	UG/KG	0.4838574	pCi/g			
SSRI14057000	4370	J	234	UG/KG	0.4783839	pCi/g			
SSRI14058000	4990	J	230	UG/KG	0.5462553	pCi/g			
SSRI14059000	6050	J	216	UG/KG	0.6622935	pCi/g			
SSRI14060000	7850	J	223	UG/KG	0.8593395	pCi/g			
SSRI14061000	5550	J	277	UG/KG	0.6075585	pCi/g			
SSRI14062000	5980		228	UG/KG	0.6546306	pCi/g			
SSRI14063000	3840		251	UG/KG	0.4203648	pCi/g			
SSRI14064000	3050	J	240	UG/KG	0.3338835	pCi/g			
SSRI14065000	4240		253	UG/KG	0.4641528	pCi/g			
SSRI14066000	4130		242	UG/KG	0.4521111	pCi/g	12.88024		MG/KG
SSRI14067000	5550		286	UG/KG	0.6075585	pCi/g			
SSRI14068000	4140		261	UG/KG	0.4532058	pCi/g			
SSRI14069000	5160		256	UG/KG	0.5648652	pCi/g			
SSRI14070000	5230		250	UG/KG	0.5725281	pCi/g			
SSRI14071000	3530		232	UG/KG	0.3864291	pCi/g			
SSRI14072000	3930		241	UG/KG	0.4302171	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		DE EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
SSRI14073000	2850		244	UG/KG	0.3119895	pCi/g			
SSRI14074000	5610		216	UG/KG	0.6141267	pCi/g	4.2386		MG/KG
SSRI14075000	4730		237	UG/KG	0.5177931	pCi/g			
SSRI14076000	5170		210	UG/KG	0.5659599	pCi/g			
SSRI14077000	3540		222	UG/KG	0.3875238	pCi/g			
SSRI15028000	4.3		0.231	MG/KG	0.47072	pCi/g			
SSRI17001000	3570		226	UG/KG	0.3908079	pCi/g	5.46268		MG/KG
SSRI17002000	3840		237	UG/KG	0.4203648	pCi/g	4.77756		MG/KG
SSRI17003000	5190		234	UG/KG	0.5681493	pCi/g	15.89477		MG/KG
SSRI17004000	4940		234	UG/KG	0.5407818	pCi/g	12.33215		MG/KG
SSRI17005000	3690		229	UG/KG	0.4039443	pCi/g	4.26601		MG/KG
SSRI17005000DUP	4330		236	UG/KG	0.4740051	pCi/g	6.20261		MG/KG
SSRI17006000	4150		253	UG/KG	0.4543005	pCi/g	10.96191		MG/KG
SSRI17007000	7590		244	UG/KG	0.8308773	pCi/g	18.08715		MG/KG
SSRI17008000	4040		229	UG/KG	0.4422588	pCi/g	13.79373		MG/KG
SSRI17009000	3770		255	UG/KG	0.4127019	pCi/g	9.40897		MG/KG
SSRI17010000	5790		226	UG/KG	0.6338313	pCi/g	13.15429		MG/KG
SSRI17010000DUP	7060		238	UG/KG	0.7728582	pCi/g	14.15913		MG/KG
SSRI17011000	5740		213	UG/KG	0.6283578	pCi/g	7.00649		MG/KG
SSRI17012000	6730		232	UG/KG	0.7367331	pCi/g	13.42834		MG/KG
SSRI17013000	5930		248	UG/KG	0.6491571	pCi/g	7.8743		MG/KG
SSRI17014000	6020		230	UG/KG	0.6590094	pCi/g	15.43802		MG/KG
SSRI17015000	6140		239	UG/KG	0.6721458	pCi/g	16.53421		MG/KG
TPRI01001010	5.7	J	0.22	MG/KG	0.62398	pCi/g			
TPRI03010000	5.2		0.24	MG/KG	0.56924	pCi/g	13.15429		MG/KG
TPRI03010004	6		0.213	MG/KG	0.65682	pCi/g	10.50516		MG/KG
TPRI03010004DUP	5.3		0.211	MG/KG	0.58019	pCi/g	11.96675		MG/KG
TPRI03011000	9.5		0.231	MG/KG	1.03997	pCi/g			
TPRI03011004	11		0.239	MG/KG	1.20417	pCi/g			
TPRI03012000	5.6		0.214	MG/KG	0.61303	pCi/g			
TPRI03012004	4.6		0.209	MG/KG	0.50356	pCi/g			
TPRI03013000	5.9		0.216	MG/KG	0.64587	pCi/g			
TPRI03013004	5.6		0.217	MG/KG	0.61303	pCi/g			
TPRI03014000	8.2		0.24	MG/KG	0.89765	pCi/g			
TPRI03014004	5.7		0.211	MG/KG	0.62398	pCi/g			
TPRI03015000	6.7		0.23	MG/KG	0.73345	pCi/g	13.15429		MG/KG
TPRI03015004	6.4		0.217	MG/KG	0.70061	pCi/g	9.95707		MG/KG
TPRI03016000	4.9		0.21	MG/KG	0.5364	pCi/g			
TPRI03016004	6.1		0.211	MG/KG	0.66777	pCi/g			
TPRI03017000	5.4		0.256	MG/KG	0.59114	pCi/g			
TPRI03017004	8.6		0.224	MG/KG	0.94144	pCi/g			
TPRI03018000	5		0.234	MG/KG	0.54735	pCi/g			
TPRI03018004	4.6		0.206	MG/KG	0.50356	pCi/g			
TPRI03019000	5.8		0.219	MG/KG	0.63493	pCi/g			
TPRI03019004	6.1		0.213	MG/KG	0.66777	pCi/g			
TPRI03020000	6.6		0.23	MG/KG	0.7225	pCi/g			
TPRI03020004	4.4		0.219	MG/KG	0.48167	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	6020 Thorium				6020 Thorium-232, Calculated Activity		E EML HASL-300, Th-01-RC Modifi Thorium, Calculated Total Mass		
	result	qual.	MDC	uom	result	uom	result	qual.	uom
SDRI06001000	2.3		0.304	MG/KG	0.25178	pCi/g	11.05326		MG/KG
TPRI08001000	4.5		0.207	MG/KG	0.49262	pCi/g			
TPRI08001002	5		0.211	MG/KG	0.54735	pCi/g			
TPRI08001002DUP	5.3		0.211	MG/KG	0.58019	pCi/g			
TPRI08001004	5		0.22	MG/KG	0.54735	pCi/g			
TPRI08002000	5.6		0.224	MG/KG	0.61303	pCi/g			
TPRI08002002	6		0.223	MG/KG	0.65682	pCi/g			
TPRI08002004	5.6		0.215	MG/KG	0.61303	pCi/g			
TPRI08003000	6.4		0.223	MG/KG	0.70061	pCi/g			
TPRI08003002	7.8		0.224	MG/KG	0.85387	pCi/g			
TPRI08003004	6.7		0.214	MG/KG	0.73345	pCi/g			
TPRI08004000	5		0.22	MG/KG	0.54735	pCi/g			
TPRI08004002	6.7		0.22	MG/KG	0.73345	pCi/g			
TPRI08004003	5.5		0.225	MG/KG	0.60209	pCi/g	12.33215		MG/KG
TPRI08005000	6		0.223	MG/KG	0.65682	pCi/g			
TPRI08005002	5		0.222	MG/KG	0.54735	pCi/g	13.15429		MG/KG
TPRI08005003	6.2		0.232	MG/KG	0.67871	pCi/g			
TPRI08006000	4		0.226	MG/KG	0.43788	pCi/g			
TPRI08006001	3.2		0.223	MG/KG	0.3503	pCi/g	9.50032		MG/KG
TPRI08006003	5.3		0.218	MG/KG	0.58019	pCi/g			
TPRI08007000	4.1		0.221	MG/KG	0.44883	pCi/g			
TPRI08007001	3.2		0.23	MG/KG	0.3503	pCi/g	5.20691		MG/KG
TPRI08007003	6.8		0.229	MG/KG	0.7444	pCi/g			
TPRI08008000	3.2		0.216	MG/KG	0.3503	pCi/g			
TPRI08008001	3.3		0.205	MG/KG	0.36125	pCi/g	5.60884		MG/KG
TPRI08008003	2.7		0.226	MG/KG	0.29557	pCi/g			
TPRI08009000	5.7		0.24	MG/KG	0.62398	pCi/g	13.51969		MG/KG
TPRI08009002	4.3		0.242	MG/KG	0.47072	pCi/g			
TPRI08009003	6.2		0.235	MG/KG	0.67871	pCi/g			
TSRI02B01008	6.6	J	0.221	MG/KG	0.7225	pCi/g	15.25532		MG/KG
TSRI02B02010	3.6	J	0.202	MG/KG	0.39409	pCi/g	2.39335		MG/KG
TSRI02B02010DUP							7.96565		MG/KG
TSRI02B03010	6.5	J	0.222	MG/KG	0.71156	pCi/g			
TSRI02S01002	5.6	J	0.212	MG/KG	0.61303	pCi/g			
TSRI02S02002	7.8	J	0.219	MG/KG	0.85387	pCi/g			
TSRI02S03002	6.7	J	0.216	MG/KG	0.73345	pCi/g			
TSRI02S03002DUP	5.8	J	0.219	MG/KG	0.63493	pCi/g			
TSRI02S04010	6	J	0.204	MG/KG	0.65682	pCi/g			
TSRI02S05008	7.3	J	0.224	MG/KG	0.79913	pCi/g			
TSRI02S06008	4.8	J	0.21	MG/KG	0.52546	pCi/g			
TSRI02S07012	7	J	0.235	MG/KG	0.76629	pCi/g			
TSRI02S08010	5.1	J	0.223	MG/KG	0.5583	pCi/g			

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SDRI06001001	0.443	0.266	J	0.232	PCI/G	0.491	0.3	J	0.349	PCI/G	0.615	0.321		0.252	PCI/G
SDRI06001002	0.644	0.313		0.21	PCI/G	0.693	0.342		0.317	PCI/G	0.716	0.334		0.21	PCI/G
SDRI06005000															
SDRI06005001															
SDRI06005002															
SDRI06009000															
SDRI06009001															
SDRI06009001DUP															
SDRI06009002															
SDRI09001000	0.352	0.191	J	0.141	PCI/G	0.635	0.283		0.259	PCI/G	0.411	0.211	J	0.171	PCI/G
SDRI09002000	0.56	0.266		0.162	PCI/G	0.4	0.244	J	0.314	PCI/G	0.47	0.252	J	0.256	PCI/G
SDRI09002000DUP	0.435	0.227	J	0.137	PCI/G	0.596	0.291		0.297	PCI/G	0.564	0.264		0.161	PCI/G
SDRI09003000	0.255	0.198	J	0.211	PCI/G	0.566	0.325		0.354	PCI/G	0.754	0.366		0.275	PCI/G
SDRI09004000	0.595	0.264		0.127	PCI/G	0.98	0.368		0.221	PCI/G	0.503	0.239		0.127	PCI/G
SDRI10001000															
SDRI10002000															
SDRI10003000	0.884	0.377		0.162	PCI/G	1.5	0.543		0.296	PCI/G	0.725	0.337	J	0.213	PCI/G
SDRI10004000															
SDRI10005000															
SDRI10006000															
SDRI10007000															
SDRI10008000															
SDRI10009000															
SDRI10010000															
SDRI10011000															
SDRI10012000	0.888	0.349		0.22	PCI/G	1.13	0.416		0.31	PCI/G	0.727	0.313	J	0.243	PCI/G
SDRI17001000	0.591	0.277		0.143	PCI/G	0.363	0.239	J	0.328	PCI/G	0.47	0.247	J	0.205	PCI/G
SDRI17002000	0.654	0.3		0.0853	PCI/G	0.658	0.335		0.39	PCI/G	0.87	0.361		0.198	PCI/G
SDRI17003000	0.847	0.307		0.112	PCI/G	0.504	0.26		0.341	PCI/G	0.898	0.325		0.201	PCI/G
SDRI17004000	1.39	0.476		0.139	PCI/G	1.49	0.516		0.332	PCI/G	1.49	0.501		0.163	PCI/G
SDRI17005000	0.491	0.234	J	0.125	PCI/G	0.452	0.249	J	0.302	PCI/G	0.484	0.235	U	0.164	PCI/G
SDRI17006000	1.92	0.622		0.179	PCI/G	2.51	0.768		0.292	PCI/G	2.1	0.667		0.247	PCI/G
SDRI17007000	1.02	0.387		0.165	PCI/G	1.46	0.505		0.305	PCI/G	0.856	0.353	J	0.25	PCI/G
SDRI17008000	1.07	0.375		0.141	PCI/G	1.04	0.373		0.198	PCI/G	0.852	0.323		0.141	PCI/G
SDRI17009000	0.649	0.304		0.0885	PCI/G	0.714	0.362		0.433	PCI/G	0.815	0.353		0.205	PCI/G
SDRI17009000DUP	0.416	0.236	J	0.276	PCI/G	0.437	0.257	J	0.344	PCI/G	0.779	0.332		0.291	PCI/G
SDRI17010000	0.782	0.288		0.109	PCI/G	0.977	0.344		0.244	PCI/G	0.639	0.259		0.168	PCI/G
SDRI17026000	2.07	0.713		0.243	PCI/G	1.66	0.629		0.424	PCI/G	1.58	0.592		0.283	PCI/G
SDRI17027000	1.25	0.459		0.24	PCI/G	1.11	0.447		0.387	PCI/G	1.15	0.434		0.227	PCI/G
SDRI17028000	0.923	0.374		0.221	PCI/G	1.11	0.446		0.404	PCI/G	1.55	0.53		0.288	PCI/G
SDRI17029000	1.04	0.373		0.0723	PCI/G	1.27	0.435		0.212	PCI/G	1.15	0.401		0.15	PCI/G
SDRI17030000	1.43	0.428		0.123	PCI/G	1.46	0.441		0.174	PCI/G	1.21	0.382		0.123	PCI/G
SDRI17031000	1.16	0.464		0.172	PCI/G	0.829	0.389		0.315	PCI/G	1.31	0.506		0.263	PCI/G
SDRI17031000DUP	0.924	0.339		0.0693	PCI/G	0.83	0.331		0.251	PCI/G	0.743	0.3	J	0.175	PCI/G
SDRI17032000	1.02	0.433		0.102	PCI/G	0.466	0.296	J	0.356	PCI/G	0.958	0.424		0.275	PCI/G
SDRI17033000	0.606	0.28		0.181	PCI/G	0.605	0.302		0.332	PCI/G	0.722	0.309	J	0.162	PCI/G
SDRI17034000	0.804	0.355		0.225	PCI/G	1.06	0.463		0.505	PCI/G	1.52	0.543		0.333	PCI/G

**TABLE 5
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Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SDRI17035000	1.37	0.522		0.351	PCI/G	1.13	0.477		0.437	PCI/G	1.78	0.621		0.37	PCI/G
SDRI17036000	1.17	0.434		0.0819	PCI/G	1.27	0.469		0.262	PCI/G	1.32	0.47		0.0819	PCI/G
SDRI17037000	0.838	0.334		0.17	PCI/G	0.94	0.37		0.271	PCI/G	0.889	0.356		0.266	PCI/G
SDRI17038000	1.04	0.375		0.123	PCI/G	0.922	0.365		0.313	PCI/G	1.21	0.414		0.123	PCI/G
SDRI17039000	1.27	0.459		0.187	PCI/G	1.35	0.487		0.279	PCI/G	1.39	0.502		0.348	PCI/G
SDRI17040000	0.941	0.353		0.166	PCI/G	0.921	0.363		0.295	PCI/G	1.06	0.379		0.0719	PCI/G
SDRI17041000	0.736	0.315		0.191	PCI/G	1.2	0.444		0.319	PCI/G	0.998	0.385		0.239	PCI/G
SDRI17042000	1.3	0.502		0.2	PCI/G	1.25	0.502		0.345	PCI/G	1.22	0.486		0.276	PCI/G
SDRI17043000	1.17	0.419		0.135	PCI/G	1.03	0.395		0.255	PCI/G	1.01	0.387		0.23	PCI/G
SDRI17044000	0.899	0.313	J	0.104	PCI/G	0.874	0.32	J	0.242	PCI/G	0.93	0.321	J	0.136	PCI/G
SDRI17045000	0.981	0.379		0.0796	PCI/G	0.997	0.389		0.187	PCI/G	1.16	0.426		0.184	PCI/G
SDRI18001000															
SDRI18002000															
SDRI18003000	1.41	0.538		0.5	PCI/G	1.19	0.5		0.5	PCI/G	1.01	0.446		0.5	PCI/G
SDRI18004000															
SDRI18004000DUP															
SDRI18005000															
SDRI18006000	0.911	0.338		0.5	PCI/G	0.679	0.298		0.5	PCI/G	0.94	0.348		0.5	PCI/G
SDRI18007000															
SDRI18008000															
SDRI18009000															
SDRI18010000															
SDRI18011000	0.337	0.205	J	0.168	PCI/G	0.505	0.278		0.317	PCI/G	0.52	0.258		0.0808	PCI/G
SDRI18012000															
SDRI18013000															
SDRI18014000															
SDRI18015000	0.619	0.281		0.138	PCI/G	1.18	0.433		0.262	PCI/G	0.88	0.35		0.162	PCI/G
SDRI18016000															
SDRI18017000															
SDRI18018000															
SDRI18019000															
SDRI18020000	0.274	0.175	J	0.169	PCI/G	0.592	0.291		0.328	PCI/G	0.722	0.3		0.151	PCI/G
SDRI18020000DUP	0.534	0.263		0.17	PCI/G	0.388	0.256	J	0.369	PCI/G	0.467	0.249	J	0.222	PCI/G
SDRI18021000															
SDRI18022000															
EXRI02001000															
SBMWS05000															
SBMWS05008															
SBMWS05054															
SBMWS07001															
SBMWS07008															
SBMWS07058															
SBMWS09001	0.76	0.294		0.154	PCI/G	1.04	0.37		0.267	PCI/G	0.751	0.29		0.117	PCI/G
SBMWS09006															
SBMWS09046															
SBMWS16001															
SBMWS16008															

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	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SBMWS16049															
SBMWS16069															
SBMWS16073															
SBMWS16077															
SBMWT24000	0.698	0.295		0.171	PCI/G	0.992	0.382		0.311	PCI/G	1.02	0.373		0.186	PCI/G
SBMWT24009															
SBMWT24049	0.561	0.257		0.167	PCI/G	0.462	0.287	J	0.448	PCI/G	0.494	0.245	J	0.218	PCI/G
SBRI01001008															
SBRI01001013															
SBRI01001018															
SBRI01001023	0.887	0.336		0.151	PCI/G	1.11	0.399		0.27	PCI/G	0.789	0.318		0.219	PCI/G
SBRI01001028															
SBRI01001033	0.497	0.247	J	0.14	PCI/G	0.894	0.366		0.286	PCI/G	0.955	0.371		0.214	PCI/G
SBRI01001038															
SBRI01001043															
SBRI01001048															
SBRI01001053															
SBRI01001058															
SBRI01001063															
SBRI01002008	1.19	0.437		0.147	PCI/G	1.84	0.597		0.268	PCI/G	0.944	0.386		0.285	PCI/G
SBRI01002013															
SBRI01002018															
SBRI01002023															
SBRI01002023DUP															
SBRI01002028															
SBRI01002033															
SBRI01002038															
SBRI01002043															
SBRI01002048															
SBRI01002053															
SBRI01002059	1.91	0.626		0.213	PCI/G	2.33	0.735		0.362	PCI/G	1.18	0.454		0.213	PCI/G
SBRI01002059DUP	1.36	0.45		0.0756	PCI/G	1.75	0.542		0.179	PCI/G	1.05	0.386		0.216	PCI/G
SBRI01003013															
SBRI01003018	1.55	0.481		0.122	PCI/G	1.63	0.503		0.179	PCI/G	1.14	0.393		0.175	PCI/G
SBRI01003023															
SBRI01003028															
SBRI01003033															
SBRI01003038															
SBRI01003043	0.703	0.302		0.189	PCI/G	1.1	0.404		0.231	PCI/G	0.679	0.311		0.311	PCI/G
SBRI01003048															
SBRI01003053															
SBRI01003058															
SBRI01004008	0.833	0.321		0.164	PCI/G	0.996	0.365		0.207	PCI/G	0.724	0.294		0.147	PCI/G
SBRI01004013															
SBRI01004018															
SBRI01004023															
SBRI01004028															

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Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SBRI01004033															
SBRI01004038															
SBRI01004043															
SBRI01004048															
SBRI01004053	1.08	0.393		0.137	PCI/G	1.39	0.474		0.271	PCI/G	2.55	0.711		0.137	PCI/G
SBRI01005010															
SBRI01005013	2.19	0.587		0.0652	PCI/G	1.5	0.456		0.218	PCI/G	1.18	0.383		0.151	PCI/G
SBRI01005018															
SBRI01005023															
SBRI01005028															
SBRI01005033	0.816	0.324		0.342	PCI/G	1.06	0.363		0.241	PCI/G	1.08	0.363		0.214	PCI/G
SBRI01005038															
SBRI01005043															
SBRI01005048															
SBRI01005053															
SBRI01005058															
SBRI01005063															
SBRI01006009															
SBRI01006014															
SBRI01006019	1.04	0.271		0.0765	PCI/G	0.968	0.28		0.238	PCI/G	0.787	0.226		0.0765	PCI/G
SBRI01006024															
SBRI01006029															
SBRI01006034	0.705	0.162		0.0473	PCI/G	0.65	0.164		0.117	PCI/G	0.524	0.133		0.0473	PCI/G
SBRI01006039															
SBRI01006044															
SBRI01006049															
SBRI01007000															
SBRI01007001	1.03	0.352		0.116	PCI/G	1.79	0.529		0.311	PCI/G	1.12	0.379		0.207	PCI/G
SBRI01007008															
SBRI01007016															
SBRI01007036															
SBRI01007044	0.427	0.205	J	0.114	PCI/G	0.592	0.257		0.199	PCI/G	0.554	0.244		0.185	PCI/G
SBRI01007052															
SBRI01008000															
SBRI01008009	0.615	0.241		0.5	PCI/G	0.977	0.32		0.5	PCI/G	0.946	0.28		0.5	PCI/G
SBRI01008019															
SBRI01008029															
SBRI01008039															
SBRI01008049	0.816	0.249		0.5	PCI/G	0.72	0.273		0.5	PCI/G	0.677	0.228		0.5	PCI/G
SBRI01008059															
SBRI01008069															
SBRI01008079															
SBRI01009000															
SBRI01009004	1.29	0.467		0.176	PCI/G	1.16	0.455		0.353	PCI/G	1.12	0.426		0.214	PCI/G
SBRI01009008															
SBRI01009019															
SBRI01009029															

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	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SBRI01009039															
SBRI01009049															
SBRI01009059	0.591	0.252	J	0.116	PCI/G	0.556	0.26	J	0.254	PCI/G	0.703	0.284	J	0.179	PCI/G
SBRI01009074															
SBRI01010000	1.92	0.622		0.21	PCI/G	2.02	0.657		0.316	PCI/G	1.68	0.568		0.229	PCI/G
SBRI01010002															
SBRI01010008															
SBRI01010019															
SBRI01010029															
SBRI01010039															
SBRI01010049															
SBRI01010059	0.922	0.376		0.236	PCI/G	0.799	0.389		0.486	PCI/G	0.514	0.281		0.325	PCI/G
SBRI01010069															
SBRI01010079															
SBRI01011000															
SBRI01011002															
SBRI01011008															
SBRI01011019															
SBRI01011029															
SBRI01011039	1.33	0.32		0.0921	PCI/G	1.77	0.394		0.127	PCI/G	1.25	0.307		0.125	PCI/G
SBRI01011044															
SBRI01011054															
SBRI01011064	1.44	0.487		0.311	PCI/G	1.42	0.482		0.287	PCI/G	1.09	0.412		0.339	PCI/G
SBRI01011074															
SBRI01011084															
SBRI01012000															
SBRI01012001															
SBRI01012008															
SBRI01012020															
SBRI01012025	1.23	0.244		0.0774	PCI/G	1.26	0.252		0.109	PCI/G	1.14	0.228		0.0536	PCI/G
SBRI01012035															
SBRI01012040															
SBRI01012055	1.07	0.219		0.0665	PCI/G	1.13	0.24		0.149	PCI/G	1.07	0.22		0.0768	PCI/G
SBRI01012065															
SBRI01013000	1.41	0.504		0.156	PCI/G	1.25	0.486		0.373	PCI/G	1.03	0.41		0.184	PCI/G
SBRI01013001															
SBRI01013008															
SBRI01013019															
SBRI01013029															
SBRI01013039	0.68	0.321		0.188	PCI/G	0.748	0.348		0.264	PCI/G	0.418	0.243	J	0.188	PCI/G
SBRI01013049															
SBRI01013059															
SBRI01013069															
SBRI01013074															
SBRI01013084															
SBRI01014000															
SBRI01014001	1.07	0.368		0.158	PCI/G	1.21	0.414		0.31	PCI/G	0.895	0.332		0.205	PCI/G

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	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SBRI01014008															
SBRI01014020															
SBRI01014030															
SBRI01014040															
SBRI01014050															
SBRI01014060	1.26	0.442		0.197	PCI/G	1.63	0.537		0.306	PCI/G	1.3	0.454		0.224	PCI/G
SBRI01014070															
SBRI01015000	1.05	0.408		0.174	PCI/G	1.52	0.557		0.485	PCI/G	1.02	0.402		0.195	PCI/G
SBRI01015001															
SBRI01015008															
SBRI01015008DUP															
SBRI01016000	0.665	0.297		0.142	PCI/G	0.873	0.365		0.288	PCI/G	0.659	0.298		0.187	PCI/G
SBRI01016001															
SBRI01016008															
SBRI01017000	0.784	0.329		0.2	PCI/G	1.14	0.455		0.409	PCI/G	0.607	0.327		0.376	PCI/G
SBRI01017001															
SBRI01017008															
SBRI01018001															
SBRI01018008															
SBRI01019000	0.884	0.398		0.102	PCI/G	1.28	0.562		0.5	PCI/G	1.24	0.514		0.326	PCI/G
SBRI01019001															
SBRI01019008															
SBRI01020000	0.92	0.355		0.153	PCI/G	1.38	0.479		0.316	PCI/G	0.79	0.346		0.353	PCI/G
SBRI01020001															
SBRI01020008															
SBRI01021000	0.801	0.292		0.179	PCI/G	0.579	0.248		0.22	PCI/G	0.722	0.271		0.138	PCI/G
SBRI01021001															
SBRI01021008															
SBRI01022000	0.801	0.292	J	0.126	PCI/G	0.909	0.33	J	0.26	PCI/G	0.589	0.248	J	0.191	PCI/G
SBRI01022001															
SBRI01022008															
SBRI05001005															
SBRI05001015															
SBRI05001030															
SBRI05002005	1.56	0.5		0.136	PCI/G	1.92	0.592		0.319	PCI/G	1.44	0.473		0.136	PCI/G
SBRI05002005DUP	1.48	0.385		0.228	PCI/G	1.32	0.361		0.244	PCI/G	0.98	0.315		0.317	PCI/G
SBRI05002015															
SBRI05002030															
SBRI05003005															
SBRI05003015															
SBRI05003030															
SBRI05004005															
SBRI05004015															
SBRI05004030															
SBRI05005005	0.438	0.149	J	0.09	PCI/G	0.478	0.195	J	0.26	PCI/G	0.65	0.194		0.139	PCI/G
SBRI05005015															
SBRI05005030															

**TABLE 5
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**Radiological Review of Fall 2004 RI Analytical Data
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Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SBRI05006005															
SBRI05006015															
SBRI05006030															
SBRI05007005															
SBRI05007015															
SBRI05008005															
SBRI05008015															
SBRI05008040															
SBRI05009005	0.847	0.341		0.141	PCI/G	0.899	0.364		0.246	PCI/G	1.09	0.405		0.216	PCI/G
SBRI05009015															
SBRI05009040															
SBRI05010005															
SBRI05010005DUP															
SBRI05010015	0.981	0.348		0.157	PCI/G	1.32	0.428		0.199	PCI/G	0.944	0.339		0.141	PCI/G
SBRI05010040															
SBRI05011009															
SBRI05011029															
SBRI05012008	1.13	0.398		0.0724	PCI/G	1.25	0.437		0.259	PCI/G	0.875	0.34		0.182	PCI/G
SBRI05012028	0.439	0.208	J	0.112	PCI/G	0.728	0.304		0.305	PCI/G	0.309	0.172	J	0.132	PCI/G
SBRI05013008															
SBRI05013029															
SBRI05014009															
SBRI05014034															
SBRI05015014	1.26	0.484		0.172	PCI/G	1.1	0.458		0.35	PCI/G	0.649	0.321		0.203	PCI/G
SBRI05015044															
SBRI05016009															
SBRI05016034															
SBRI05017009	0.935	0.401		0.204	PCI/G	1.3	0.509		0.352	PCI/G	1.06	0.437		0.265	PCI/G
SBRI05017009DUP															
SBRI05017034															
SBRI05018006															
SBRI05018010															
SBRI05018024															
SBRI05018024DUP															
SBRI05019005															
SBRI05019010															
SBRI05019055															
SBRI07001000															
SBRI07001004															
SBRI07002000															
SBRI07002004															
SBRI07003000															
SBRI07003004															
SBRI07004000															
SBRI07004004															
SBRI07005000															
SBRI07005004															

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SBRI07006000															
SBRI07006004															
SBRI07007000															
SBRI07007004															
SBRI07008000															
SBRI07008004															
SBRI07009000															
SBRI07009004															
SBRI07010000															
SBRI07010004															
SBRI11001000	0.52	0.264		0.207	PCI/G	0.461	0.271	J	0.344	PCI/G	0.488	0.265	J	0.279	PCI/G
SBRI11001004															
SBRI11001004DUP															
SBRI11002001															
SBRI11002001DUP															
SBRI11002004															
SBRI11003000	0.448	0.251	J	0.16	PCI/G	0.752	0.359		0.316	PCI/G	0.237	0.234	U	0.422	PCI/G
SBRI11003004															
SBRI11004000															
SBRI11004008															
SBRI11005000	1.23	0.459		0.202	PCI/G	1.66	0.587		0.445	PCI/G	1.45	0.515		0.249	PCI/G
SBRI11005009															
SBRI11005065															
SBRI11006000															
SBRI11006004															
SBRI11007000															
SBRI11007004															
SBRI11008000															
SBRI11008004															
SBRI11009000															
SBRI11009004															
SBRI11010000															
SBRI11010004															
SBRI11011000	0.227	0.164	J	0.19	PCI/G	0.398	0.241	J	0.317	PCI/G	0.473	0.249	J	0.257	PCI/G
SBRI11011004															
SBRI11012000	0.944	0.385		0.274	PCI/G	0.719	0.346		0.37	PCI/G	0.6	0.319		0.395	PCI/G
SBRI11012008															
SBRI11013000															
SBRI11014000															
SBRI11015000															
SBRI11016062															
SBRI11016066															
SBRI11016070															
SBRI11016074															
SBRI11016078															
SSRI04001000															
SSRI04001001															

**TABLE 5
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**Radiological Review of Fall 2004 RI Analytical Data
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Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SSRI04002000															
SSRI04002001															
SSRI04003000															
SSRI04003001															
SSRI04004000															
SSRI04004001															
SSRI04005000															
SSRI04005001															
SSRI04006000															
SSRI04006001															
SSRI04007000															
SSRI04007001															
SSRI04008000															
SSRI04008001															
SSRI04009000	1.14	0.426		0.0838	PCI/G	0.929	0.382		0.231	PCI/G	0.916	0.371		0.174	PCI/G
SSRI04009001															
SSRI04010000	0.735	0.222		0.0374	PCI/G	0.955	0.286		0.244	PCI/G	0.639	0.208		0.12	PCI/G
SSRI04010001															
SSRI04011000	0.781	0.222		0.197	PCI/G	0.946	0.238		0.119	PCI/G	0.836	0.218		0.116	PCI/G
SSRI04011001															
SSRI04012000															
SSRI04012000DUP															
SSRI04012001															
SSRI04013000	1.94	0.445		0.0422	PCI/G	2.38	0.525		0.169	PCI/G	1.37	0.351		0.135	PCI/G
SSRI04013001															
SSRI04014000															
SSRI04014001															
SSRI04015000															
SSRI04015001															
SSRI04016000	1.28	0.471		0.155	PCI/G	1.17	0.463		0.364	PCI/G	0.927	0.384		0.204	PCI/G
SSRI04016001															
SSRI04017000	0.967	0.385		0.196	PCI/G	1.56	0.534		0.261	PCI/G	1.05	0.412		0.267	PCI/G
SSRI04018000															
SSRI04018000DUP															
SSRI04019000															
SSRI04019000DUP															
SSRI04020000															
SSRI04021000	0.61	0.213		0.164	PCI/G	0.763	0.27		0.295	PCI/G	0.508	0.227		0.303	PCI/G
SSRI07001000															
SSRI07001001															
SSRI07002000	0.611	0.272		0.0764	PCI/G	0.485	0.252	J	0.244	PCI/G	0.554	0.266	J	0.219	PCI/G
SSRI07002001	1.22	0.301		0.034	PCI/G	1.08	0.285		0.162	PCI/G	0.842	0.236		0.109	PCI/G
SSRI07003000															
SSRI07003001															
SSRI07004000															
SSRI07004001															
SSRI07005000															

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SSRI07005001															
SSRI07006000	0.931	0.365		0.168	PCI/G	0.782	0.339		0.27	PCI/G	0.702	0.311	J	0.218	PCI/G
SSRI07006001	1.87	0.611		0.209	PCI/G	1.96	0.64		0.323	PCI/G	1.91	0.619		0.227	PCI/G
SSRI07007000															
SSRI07007001															
SSRI07008000															
SSRI07008001															
SSRI07009000															
SSRI07009001															
SSRI07010000															
SSRI07010001															
SSRI07011000															
SSRI07011001															
SSRI07012000	1.63	0.514		0.137	PCI/G	1.5	0.497		0.287	PCI/G	1.07	0.387		0.0778	PCI/G
SSRI07012001	1.81	0.583		0.0874	PCI/G	2.5	0.749		0.341	PCI/G	1.62	0.543		0.202	PCI/G
SSRI07013000															
SSRI07013001															
SSRI07014000	1.02	0.378		0.0784	PCI/G	1.47	0.492		0.271	PCI/G	0.837	0.339	J	0.211	PCI/G
SSRI07014000DUP	1.57	0.552		0.38	PCI/G	1.43	0.521		0.362	PCI/G	1.57	0.553		0.395	PCI/G
SSRI07014001	1.12	0.447		0.202	PCI/G	1.22	0.488		0.348	PCI/G	1.29	0.49		0.225	PCI/G
SSRI07015000															
SSRI07015001															
SSRI07016000															
SSRI07016001															
SSRI07017000															
SSRI07017001															
SSRI07018000															
SSRI07018001															
SSRI09001000	0.589	0.262		0.15	PCI/G	0.636	0.287		0.258	PCI/G	0.641	0.275	J	0.15	PCI/G
SSRI09001000DUP															
SSRI09002000															
SSRI09003000															
SSRI09003001															
SSRI09004000	0.608	0.288		0.176	PCI/G	0.805	0.35		0.26	PCI/G	0.454	0.25	J	0.229	PCI/G
SSRI09004001	0.77	0.335		0.215	PCI/G	0.994	0.401		0.296	PCI/G	0.544	0.283	J	0.28	PCI/G
SSRI09005000															
SSRI09005001															
SSRI09006000															
SSRI09007000															
SSRI09008000	0.704	0.255	J	0.0556	PCI/G	1.06	0.343	J	0.234	PCI/G	0.726	0.262	J	0.129	PCI/G
SSRI09009000															
SSRI09010000	0.815	0.365		0.199	PCI/G	1.09	0.447		0.28	PCI/G	0.811	0.368		0.241	PCI/G
SSRI09011000															
SSRI09011001															
SSRI09012000															
SSRI09013000	0.815	0.305		0.117	PCI/G	0.873	0.332		0.254	PCI/G	0.458	0.223	J	0.19	PCI/G
SSRI09014000															

**TABLE 5
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Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SSRI09014001															
SSRI09015000															
SSRI09016000															
SSRI09016001															
SSRI09017000	1.34	0.495		0.235	PCI/G	1.54	0.558		0.366	PCI/G	1.06	0.438		0.358	PCI/G
SSRI09018000															
SSRI09019000	0.532	0.246		0.0725	PCI/G	0.567	0.281		0.317	PCI/G	0.654	0.284		0.196	PCI/G
SSRI09020000															
SSRI09020001															
SSRI09021000	0.572	0.247		0.151	PCI/G	0.448	0.23	J	0.255	PCI/G	0.511	0.236		0.196	PCI/G
SSRI09022000															
SSRI09023000															
SSRI09023001															
SSRI09024000	0.699	0.302		0.178	PCI/G	0.894	0.394		0.466	PCI/G	0.771	0.328		0.252	PCI/G
SSRI09025000															
SSRI09025001															
SSRI09026000															
SSRI09027000															
SSRI14001000															
SSRI14002000															
SSRI14003000															
SSRI14004000															
SSRI14005000	1.33	0.498		0.195	PCI/G	0.907	0.407		0.356	PCI/G	1.15	0.454		0.195	PCI/G
SSRI14006000															
SSRI14007000															
SSRI14008000															
SSRI14009000	0.739	0.311		0.161	PCI/G	1.08	0.406		0.289	PCI/G	0.759	0.318	J	0.196	PCI/G
SSRI14009000DUP	0.713	0.227		0.103	PCI/G	0.803	0.254		0.163	PCI/G	0.807	0.247		0.117	PCI/G
SSRI14010000															
SSRI14011000	0.657	0.318		0.0938	PCI/G	0.542	0.306		0.334	PCI/G	0.787	0.357	J	0.165	PCI/G
SSRI14012000															
SSRI14013000															
SSRI14013000DUP															
SSRI14014000															
SSRI14015000															
SSRI14016000															
SSRI14017000															
SSRI14018000															
SSRI14019000															
SSRI14020000															
SSRI14021000															
SSRI14022000	0.25	0.171	J	0.203	PCI/G	0.42	0.266	J	0.409	PCI/G	0.18	0.173	U	0.306	PCI/G
SSRI14023000															
SSRI14024000															
SSRI14025000															
SSRI14026000	0.962	0.36		0.151	PCI/G	0.856	0.356		0.332	PCI/G	0.682	0.294	J	0.197	PCI/G
SSRI14027000															

**TABLE 5
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Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SSRI14028000															
SSRI14029000															
SSRI14030000	0.788	0.309		0.16	PCI/G	0.833	0.346		0.357	PCI/G	0.717	0.293	J	0.174	PCI/G
SSRI14030000DUP															
SSRI14031000															
SSRI14032000															
SSRI14033000															
SSRI14034000															
SSRI14035000	1.04	0.458		0.197	PCI/G	1.5	0.593		0.327	PCI/G	1.75	0.651		0.26	PCI/G
SSRI14036000	0.453	0.206	J	0.105	PCI/G	0.596	0.251	J	0.199	PCI/G	0.662	0.259	J	0.138	PCI/G
SSRI14036000DUP	0.611	0.281		0.162	PCI/G	0.61	0.3		0.313	PCI/G	0.547	0.267	J	0.21	PCI/G
SSRI14037000															
SSRI14038000															
SSRI14039000	0.938	0.378		0.18	PCI/G	0.722	0.33		0.239	PCI/G	0.811	0.35	J	0.234	PCI/G
SSRI14040000															
SSRI14041000															
SSRI14042000															
SSRI14043000	1.15	0.412		0.164	PCI/G	1.56	0.513		3	PCI/G	0.891	0.351	J	0.164	PCI/G
SSRI14044000															
SSRI14045000															
SSRI14046000															
SSRI14047000															
SSRI14048000															
SSRI14049000															
SSRI14050000															
SSRI14051000	1.9	0.624		0.186	PCI/G	2.51	0.774		0.299	PCI/G	2.07	0.669		0.294	PCI/G
SSRI14052000															
SSRI14053000	1.18	0.416		0.173	PCI/G	1.25	0.445		0.293	PCI/G	0.973	0.365	J	0.132	PCI/G
SSRI14054000															
SSRI14055000															
SSRI14056000															
SSRI14057000															
SSRI14058000															
SSRI14059000															
SSRI14060000															
SSRI14061000															
SSRI14062000															
SSRI14063000															
SSRI14064000															
SSRI14065000															
SSRI14066000	1.41	0.455		0.0707	PCI/G	1.38	0.46		0.261	PCI/G	1.58	0.495		0.191	PCI/G
SSRI14067000															
SSRI14068000															
SSRI14069000															
SSRI14070000															
SSRI14071000															
SSRI14072000															

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Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
SSRI14073000															
SSRI14074000	0.464	0.226	J	0.159	PCI/G	0.681	0.301		0.295	PCI/G	0.542	0.246		0.142	PCI/G
SSRI14075000															
SSRI14076000															
SSRI14077000															
SSRI15028000															
SSRI17001000	0.598	0.267		0.18	PCI/G	0.822	0.328		0.219	PCI/G	0.595	0.263		0.126	PCI/G
SSRI17002000	0.523	0.269		0.156	PCI/G	0.822	0.383		0.41	PCI/G	0.512	0.271		0.223	PCI/G
SSRI17003000	1.74	0.766		0.28	PCI/G	2.66	1.05		0.461	PCI/G	1.65	0.76		0.541	PCI/G
SSRI17004000	1.35	0.518		0.208	PCI/G	1.03	0.448		0.346	PCI/G	0.932	0.408		0.208	PCI/G
SSRI17005000	0.467	0.238	J	0.218	PCI/G	0.388	0.271	U	0.448	PCI/G	0.429	0.232	J	0.246	PCI/G
SSRI17005000DUP	0.679	0.314		0.194	PCI/G	0.815	0.366		0.319	PCI/G	0.711	0.324		0.211	PCI/G
SSRI17006000	1.2	0.426		0.136	PCI/G	1.2	0.444		0.345	PCI/G	1.21	0.428		0.136	PCI/G
SSRI17007000	1.98	0.599		0.174	PCI/G	2.34	0.683		0.259	PCI/G	1.44	0.49		0.323	PCI/G
SSRI17008000	1.51	0.561		0.232	PCI/G	2.1	0.721		0.41	PCI/G	1.45	0.542		0.1	PCI/G
SSRI17009000	1.03	0.41		0.18	PCI/G	1.47	0.533		0.32	PCI/G	1.36	0.494		0.153	PCI/G
SSRI17010000	1.44	0.442		0.0634	PCI/G	1.54	0.468		0.162	PCI/G	1.18	0.386		0.131	PCI/G
SSRI17010000DUP	1.55	0.479		0.165	PCI/G	1.43	0.472		0.344	PCI/G	1.18	0.405		0.242	PCI/G
SSRI17011000	0.767	0.305		0.0698	PCI/G	0.721	0.305		0.233	PCI/G	0.779	0.311		0.162	PCI/G
SSRI17012000	1.47	0.526		0.212	PCI/G	1.98	0.653		0.293	PCI/G	1.14	0.45		0.288	PCI/G
SSRI17013000	0.862	0.383		0.202	PCI/G	1.34	0.529		0.419	PCI/G	1.23	0.48		0.226	PCI/G
SSRI17014000	1.69	0.747		0.324	PCI/G	1.84	0.817		0.593	PCI/G	1.78	0.781		0.446	PCI/G
SSRI17015000	1.81	0.622		0.196	PCI/G	1.68	0.605		0.37	PCI/G	1.3	0.498		0.255	PCI/G
TPRI01001010															
TPRI03010000	1.44	0.358		0.5	PCI/G	2.07	0.476		0.5	PCI/G	1.28	0.344		0.5	PCI/G
TPRI03010004	1.15	0.278		0.5	PCI/G	1.29	0.323		0.5	PCI/G	1.34	0.312		0.5	PCI/G
TPRI03010004DUP	1.31	0.327		0.5	PCI/G	1.02	0.301		0.5	PCI/G	1.1	0.306		0.5	PCI/G
TPRI03011000															
TPRI03011004															
TPRI03012000															
TPRI03012004															
TPRI03013000															
TPRI03013004															
TPRI03014000															
TPRI03014004															
TPRI03015000	1.44	0.343		0.5	PCI/G	1.35	0.37		0.5	PCI/G	1.59	0.366		0.5	PCI/G
TPRI03015004	1.09	0.314		0.5	PCI/G	1.13	0.358		0.5	PCI/G	1.13	0.334		0.5	PCI/G
TPRI03016000															
TPRI03016004															
TPRI03017000															
TPRI03017004															
TPRI03018000															
TPRI03018004															
TPRI03019000															
TPRI03019004															
TPRI03020000															
TPRI03020004															

**TABLE 5
THORIUM IN SEDIMENT AND SOIL**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, Th-01-RC Modified Thorium-232					DOE EML HASL-300, Th-01-RC Modified Thorium-228-Alpha					DOE EML HASL-300, Th-01-RC Modified Thorium-230				
	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom	result	TPU	qual.	MDC	uom
SDRI06001000	1.21	0.429		0.304	PCI/G	1.15	0.414		0.254	PCI/G	1.21	0.427		0.274	PCI/G
TPRI08001000															
TPRI08001002															
TPRI08001002DUP															
TPRI08001004															
TPRI08002000															
TPRI08002002															
TPRI08002004															
TPRI08003000															
TPRI08003002															
TPRI08003004															
TPRI08004000															
TPRI08004002															
TPRI08004003	1.35	0.333		0.5	PCI/G	1.09	0.332		0.5	PCI/G	1.29	0.333		0.5	PCI/G
TPRI08005000															
TPRI08005002	1.44	0.352		0.5	PCI/G	1.56	0.396		0.5	PCI/G	1.08	0.297		0.5	PCI/G
TPRI08005003															
TPRI08006000															
TPRI08006001	1.04	0.301		0.5	PCI/G	1.32	0.376		0.5	PCI/G	0.927	0.295		0.5	PCI/G
TPRI08006003															
TPRI08007000															
TPRI08007001	0.57	0.208		0.5	PCI/G	0.605	0.235		0.5	PCI/G	0.589	0.226		0.5	PCI/G
TPRI08007003															
TPRI08008000															
TPRI08008001	0.614	0.192		0.5	PCI/G	0.693	0.228		0.5	PCI/G	0.837	0.231		0.5	PCI/G
TPRI08008003															
TPRI08009000	1.48	0.349		0.5	PCI/G	1.55	0.39		0.5	PCI/G	0.9	0.283		0.5	PCI/G
TPRI08009002															
TPRI08009003															
TSRI02B01008	1.67	0.519		0.5	PCI/G	1.78	0.563		0.5	PCI/G	0.94	0.355		0.5	PCI/G
TSRI02B02010	0.262	0.196	J	0.5	PCI/G	0.811	0.418		0.5	PCI/G	0.682	0.343		0.5	PCI/G
TSRI02B02010DUP	0.872	0.409		0.5	PCI/G	1.16	0.514		0.5	PCI/G	0.711	0.368		0.5	PCI/G
TSRI02B03010															
TSRI02S01002															
TSRI02S02002															
TSRI02S03002															
TSRI02S03002DUP															
TSRI02S04010															
TSRI02S05008															
TSRI02S06008															
TSRI02S07012															
TSRI02S08010															

**TABLE 6
OTHER RADIONUCLIDES**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, Am-05-RC Modified Americium-241					EML HASL 300, 4.5.2.3 Cesium-137					EML HASL 300, 4.5.2.3 Cobalt-60				
	result	MDC	qual.	TPU	uom	result	MDC	qual.	TPU	uom	result	MDC	qual.	TPU	uom
SBRI01001018	0.0364	0.065	U	0.143	PCI/G	0.0339	0.031	U	0.0635	PCI/G	-0.0014	0.0294	U	0.0563	PCI/G
SBRI01002008	-0.00598	0.0471	U	0.153	PCI/G	0.0427	0.0237	U	0.0503	PCI/G	-0.004	0.0237	U	0.0442	PCI/G
SBRI01003043	0.111	0.0887	U	0.14	PCI/G	-0.0256	0.0256	U	0.0434	PCI/G	-0.0113	0.0221	U	0.0384	PCI/G
SBRI01004053	0.00971	0.0652	U	0.175	PCI/G	0.0148	0.0251	U	0.0478	PCI/G	0.00937	0.0259	U	0.0502	PCI/G
SBRI01005038	0.0728	0.112	U	0.239	PCI/G	-0.0019	0.0209	U	0.0385	PCI/G	0.0124	0.0235	U	0.0454	PCI/G
SBRI01006019	0.017	0.0912	U	0.261	PCI/G	0.011	0.0226	U	0.039	PCI/G	0.011	0.0195	U	0.0408	PCI/G
SDRI06005000	0.00163	0.0511	U	0.148	PCI/G	0.0217	0.0196	U	0.0384	PCI/G	0.00831	0.0201	U	0.0381	PCI/G
SDRI06009000	0.124	0.105	U	0.174	PCI/G	0.859	0.0875		0.0579	PCI/G	-0.0098	0.031	U	0.054	PCI/G
TSRI02B01008	-0.0231	0.127	U	1	PCI/G	0.0225	0.0231	U	0.1	PCI/G	0.0182	0.0212	U	0.1	PCI/G

**TABLE 6
OTHER RADIONUCLIDES**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, Am-05-RC Modified Curium-243/244					DOE EML HASL-300, Am-05-RC Modified Curium-245/246					DOE EML HASL 300 Neptunium-237				
	result	MDC	qual.	TPU	uom	result	MDC	qual.	TPU	uom	result	MDC	qual.	TPU	uom
SBRI01001018	-0.0264	0.0359	U	0.153	PCI/G	-0.0039	0.0076	U	0.0858	PCI/G	0.0154	0.0423	U	0.106	PCI/G
SBRI01002008	-0.0384	0.0519	U	0.194	PCI/G	0.0132	0.035	U	0.0917	PCI/G	0.14	0.101	J	0.129	PCI/G
SBRI01003043	-0.0645	0.0553	U	0.204	PCI/G	0.0261	0.0517	U	0.117	PCI/G	0.132	0.102	U	0.157	PCI/G
SBRI01004053	0.00669	0.0735	U	0.196	PCI/G	0.031	0.0497	U	0.0929	PCI/G	0.0235	0.0407	U	0.0872	PCI/G
SBRI01005038	0.00194	0.105	U	0.272	PCI/G	0.0471	0.065	U	0.116	PCI/G	0.00431	0.0409	U	0.122	PCI/G
SBRI01006019	-0.0134	0.0692	U	0.261	PCI/G	0.0183	0.073	U	0.219	PCI/G	0.0112	0.121	U	0.332	PCI/G
SDRI06005000	-0.0315	0.0466	U	0.172	PCI/G	0.0277	0.0444	U	0.0831	PCI/G	-0.018	0.0285	U	0.107	PCI/G
SDRI06009000	-0.00118	0.0645	U	0.183	PCI/G	0.069	0.0772	U	0.129	PCI/G	-0.0684	0.0511	U	0.224	PCI/G
TSRI02B01008	-0.129	0.183	U	0.5	PCI/G	0.0222	0.14	U	0.5	PCI/G	-0.0191	0.08	U	0.5	PCI/G

**TABLE 6
OTHER RADIONUCLIDES**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	EML HASL 300, 4.5.2.3 Neptunium-239					DOE EML HASL-300, Pu-11-RC Modified Plutonium-238					DOE EML HASL-300, Pu-11-RC Modified Plutonium-239/240				
	result	MDC	qual.	TPU	uom	result	MDC	qual.	TPU	uom	result	MDC	qual.	TPU	uom
SBRI01001018	-0.0366	0.136	U	0.244	PCI/G	-0.0112	0.011	U	0.0879	PCI/G	-0.0056	0.0077	U	0.0723	PCI/G
SBRI01002008	0.00424	0.165	U	0.287	PCI/G	-0.0075	0.0105	U	0.0975	PCI/G	-0.0038	0.0073	U	0.0827	PCI/G
SBRI01003043	-0.245	0.124	U	0.217	PCI/G	0.0225	0.0511	U	0.12	PCI/G	0.00343	0.026	U	0.085	PCI/G
SBRI01004053	-0.0078	0.112	U	0.214	PCI/G	-0.0181	0.0147	U	0.108	PCI/G	0	0.0247	U	0.0378	PCI/G
SBRI01005038	-0.0419	0.0863	U	0.152	PCI/G	0.0385	0.056	U	0.111	PCI/G	0.0105	0.0278	U	0.0726	PCI/G
SBRI01006019	0.0117	0.102	U	0.194	PCI/G	-0.101	0.103	U	0.373	PCI/G	-0.0048	0.0536	U	0.195	PCI/G
SDRI06005000	-0.0329	0.143	U	0.255	PCI/G	-0.0165	0.0133	U	0.0983	PCI/G	-0.0055	0.0076	U	0.0712	PCI/G
SDRI06009000	-0.0044	0.323	U	0.386	PCI/G	-0.0281	0.0186	U	0.128	PCI/G	-0.0031	0.0263	U	0.0687	PCI/G
TSRI02B01008	-0.0285	0.0918	U	2	PCI/G	0.0212	0.0625	U	1	PCI/G	-0.009	0.0177	U	1	PCI/G

**TABLE 6
OTHER RADIONUCLIDES**

**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	DOE EML HASL-300, Pu-11-RC Modified Plutonium-241					DOE EML HASL-300, Pu-11-RC Modified Plutonium-242				
	result	MDC	qual.	TPU	uom	result	MDC	qual.	TPU	uom
SBRI01001018	4.82	3.58	U	5.83	PCI/G	-0.0561	0.0288	U	0.184	PCI/G
SBRI01002008	3.83	5	U	8.39	PCI/G	0.133	0.0968	U	0.168	PCI/G
SBRI01003043	0.302	3.41	U	5.88	PCI/G	0.0541	0.0465	U	0.0955	PCI/G
SBRI01004053	2.76	3.8	U	6.38	PCI/G	0.0484	0.0513	U	0.14	PCI/G
SBRI01005038	-2.81	3.61	U	6.4	PCI/G	0.0576	0.0597	U	0.123	PCI/G
SBRI01006019	-3.34	7.6	U	13.3	PCI/G	0.00923	0.0728	U	0.26	PCI/G
SDRI06005000	3.81	2.9	U	4.75	PCI/G	0.0309	0.0446	U	0.12	PCI/G
SDRI06009000	-0.508	3.37	U	5.86	PCI/G	0.0235	0.0465	U	0.129	PCI/G
TSRI02B01008	-3.22	5.99	U	15	PCI/G	-0.0109	0.0878	U	1	PCI/G

**TABLE 6
OTHER RADIONUCLIDES**

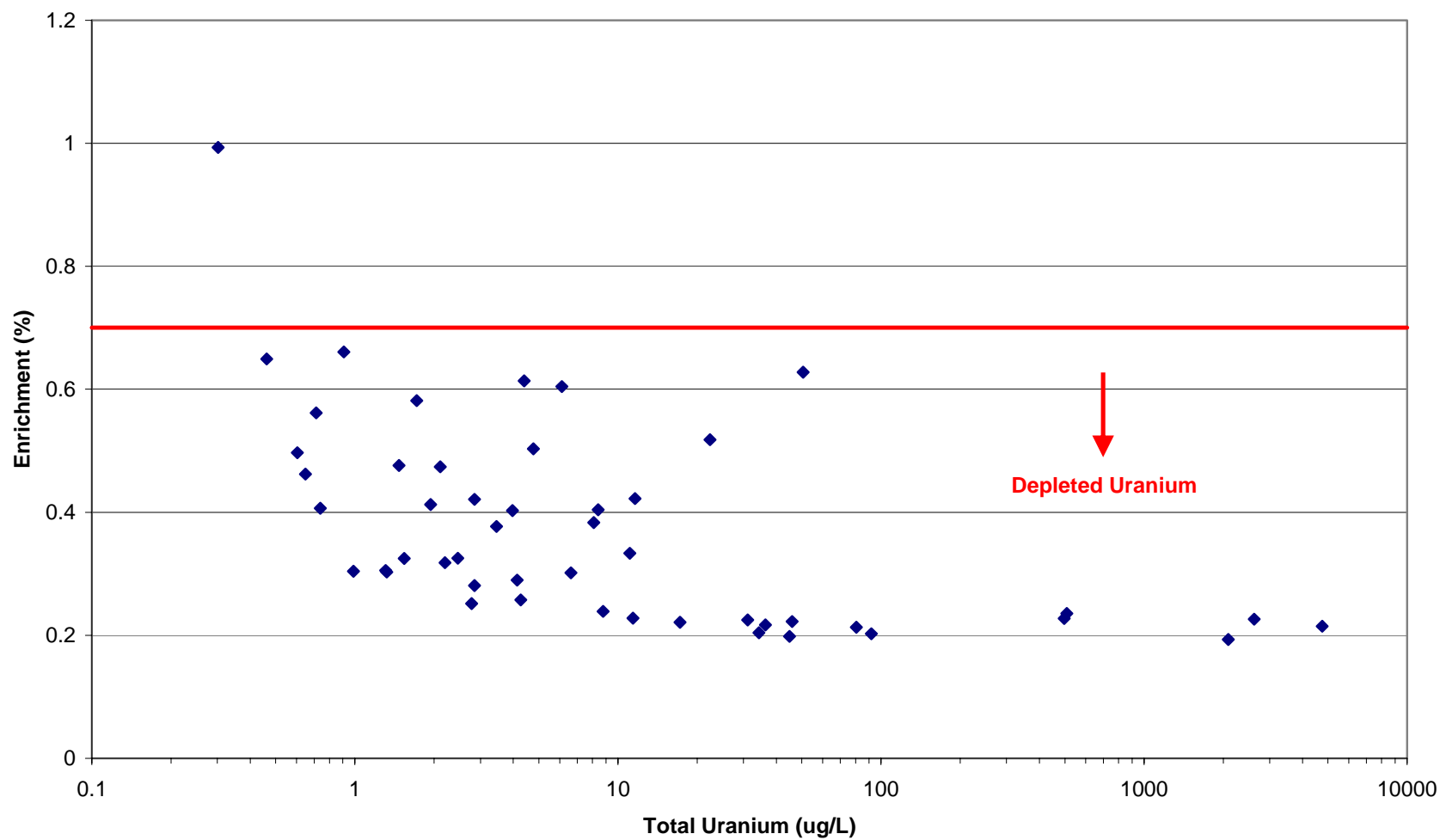
**Radiological Review of Fall 2004 RI Analytical Data
Nuclear Metals Superfund Site
Concord, Massachusetts**

Method param_name Field Sample Id	EPA 905.0 Modified Strontium-90					DOE EML HASL-300, Tc-02-RC Modified Technetium-99				
	result	MDC	qual.	TPU	uom	result	MDC	qual.	TPU	uom
SBRI01001018	-0.000508	0.393	U	1.01	PCI/G	0.311	1.07	U	1.83	PCI/G
SBRI01002008	-0.438	0.337	U	1.01	PCI/G	-0.651	0.684	U	1.21	PCI/G
SBRI01003043	-0.0513	0.261	U	0.454	PCI/G	-0.578	1.55	U	2.69	PCI/G
SBRI01004053	-0.459	0.317	U	1.01	PCI/G	-0.251	0.681	U	1.18	PCI/G
SBRI01005038	0.194	0.269	U	0.436	PCI/G	-0.726	1.41	U	2.46	PCI/G
SBRI01006019	0.538	0.574	U	1.12	PCI/G	0.305	0.21	U	0.34	PCI/G
SDRI06005000	-0.323	0.256	U	0.818	PCI/G	-0.851	1.09	U	1.94	PCI/G
SDRI06009000	0.179	0.199	U	0.321	PCI/G	-0.374	1.43	U	2.48	PCI/G
TSRI02B01008	-0.0989	0.456	U	2	PCI/G	0.608	0.681	U	5	PCI/G

FIGURES

Figure 1

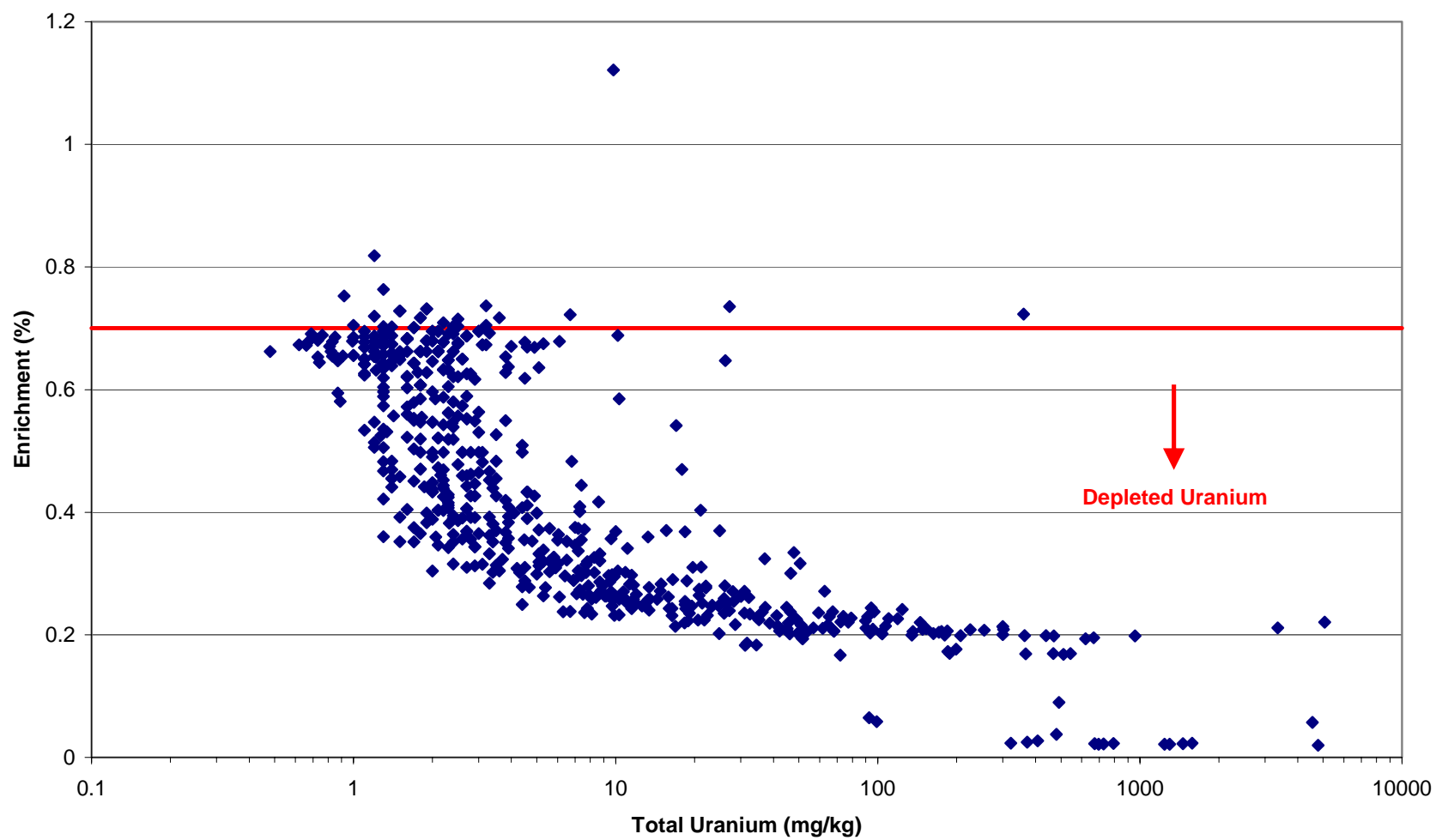
Uranium Enrichment Evaluation - Groundwater
Mass Spectroscopy



Note: Natural uranium has an enrichment of 0.7% (shown as the red line in the chart) and depleted uranium typically has an enrichment of 0.2 – 0.5%

Figure 2

Uranium Enrichment Evaluation - Soil and Sediment
Mass Spectroscopy



Note: Natural uranium has an enrichment of 0.7% (shown as the red line in the chart) and depleted uranium typically has an enrichment of 0.2 – 0.5%

Figure 3

Uranium Enrichment Evaluation - Soil and Sediment
Alpha Spectroscopy

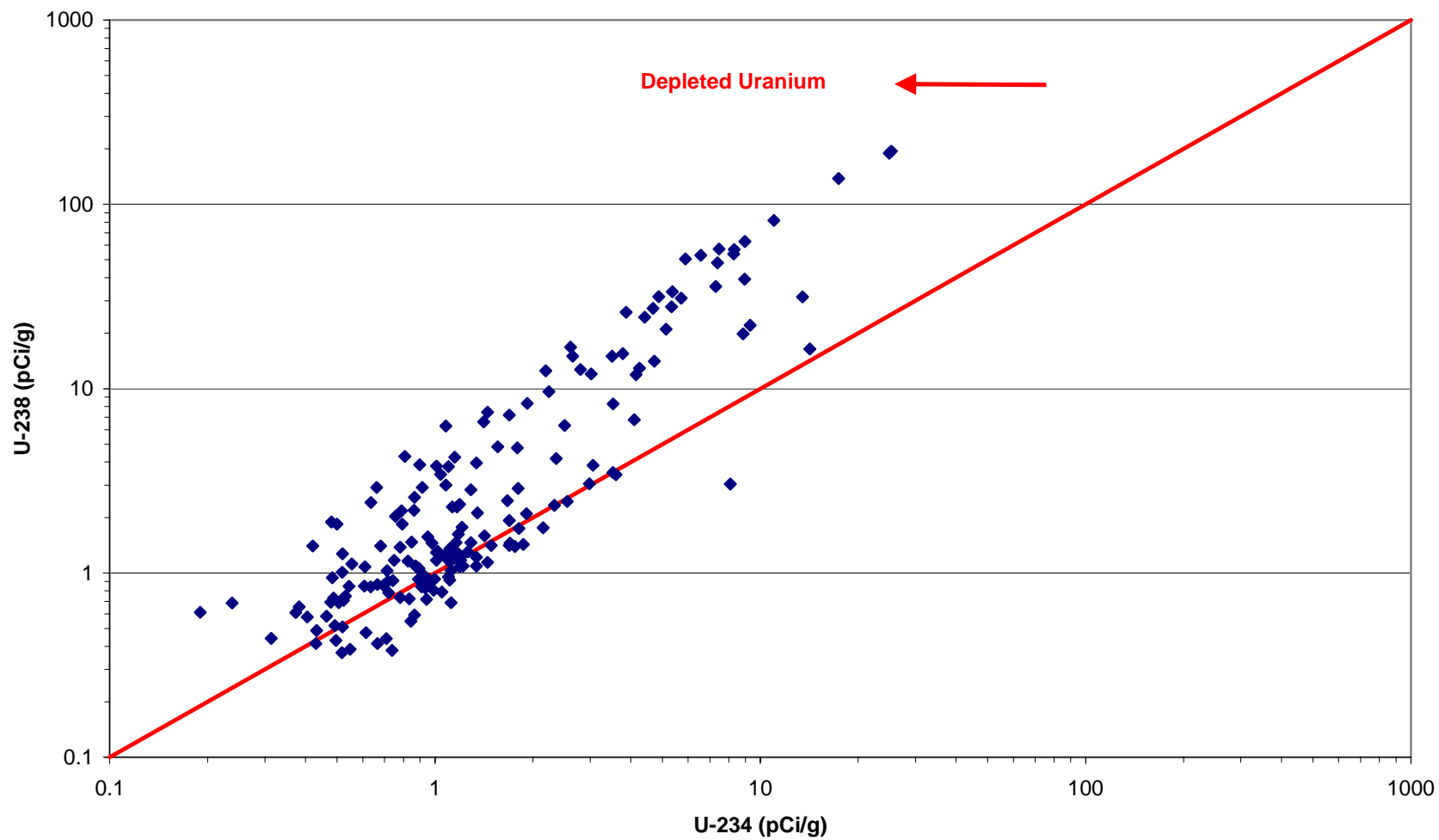


Figure 4
Natural Thorium Evaluation
Alpha Spectroscopy

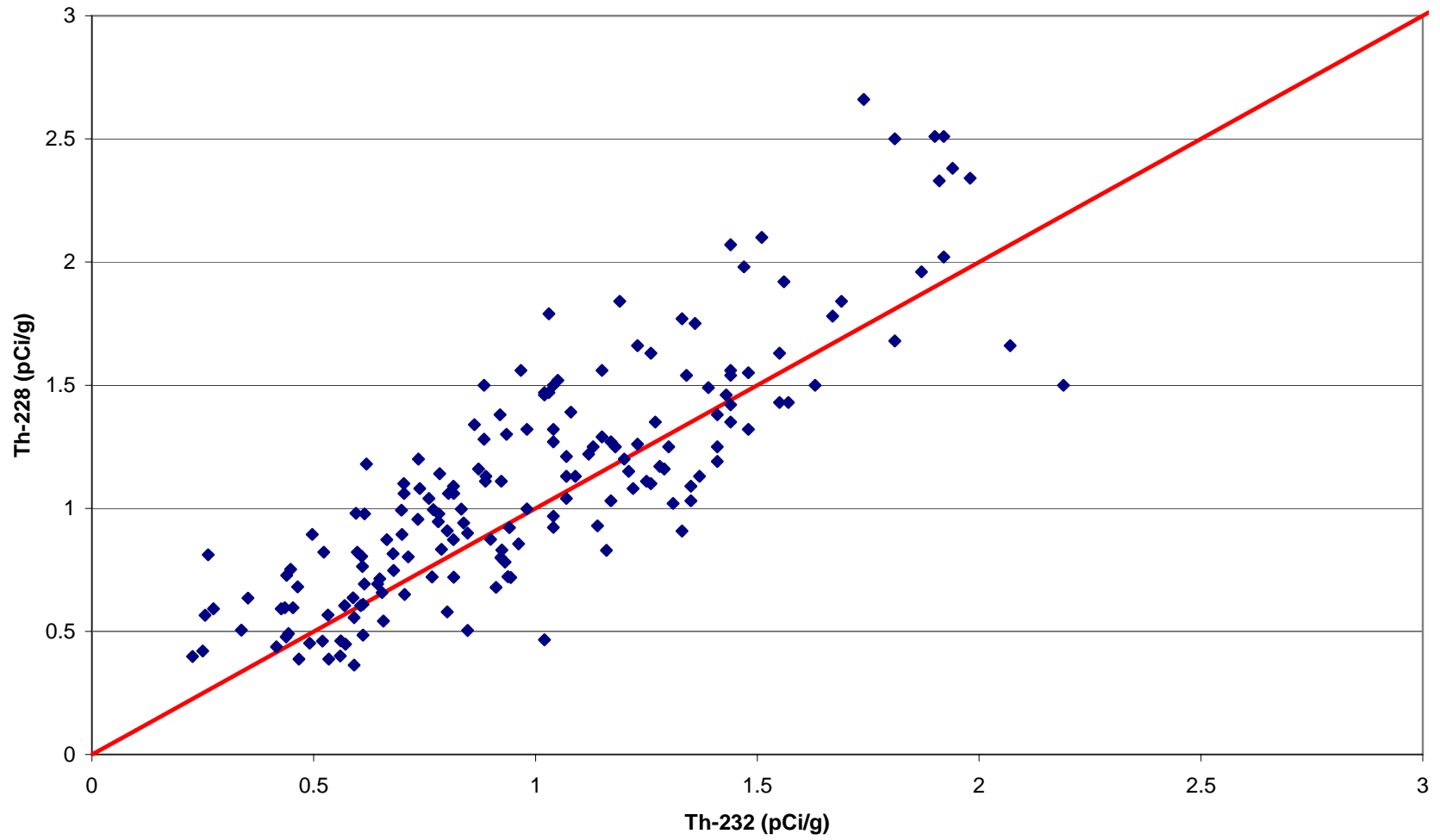


Figure 5

Uranium-Thorium Evaluation
Alpha Spectroscopy

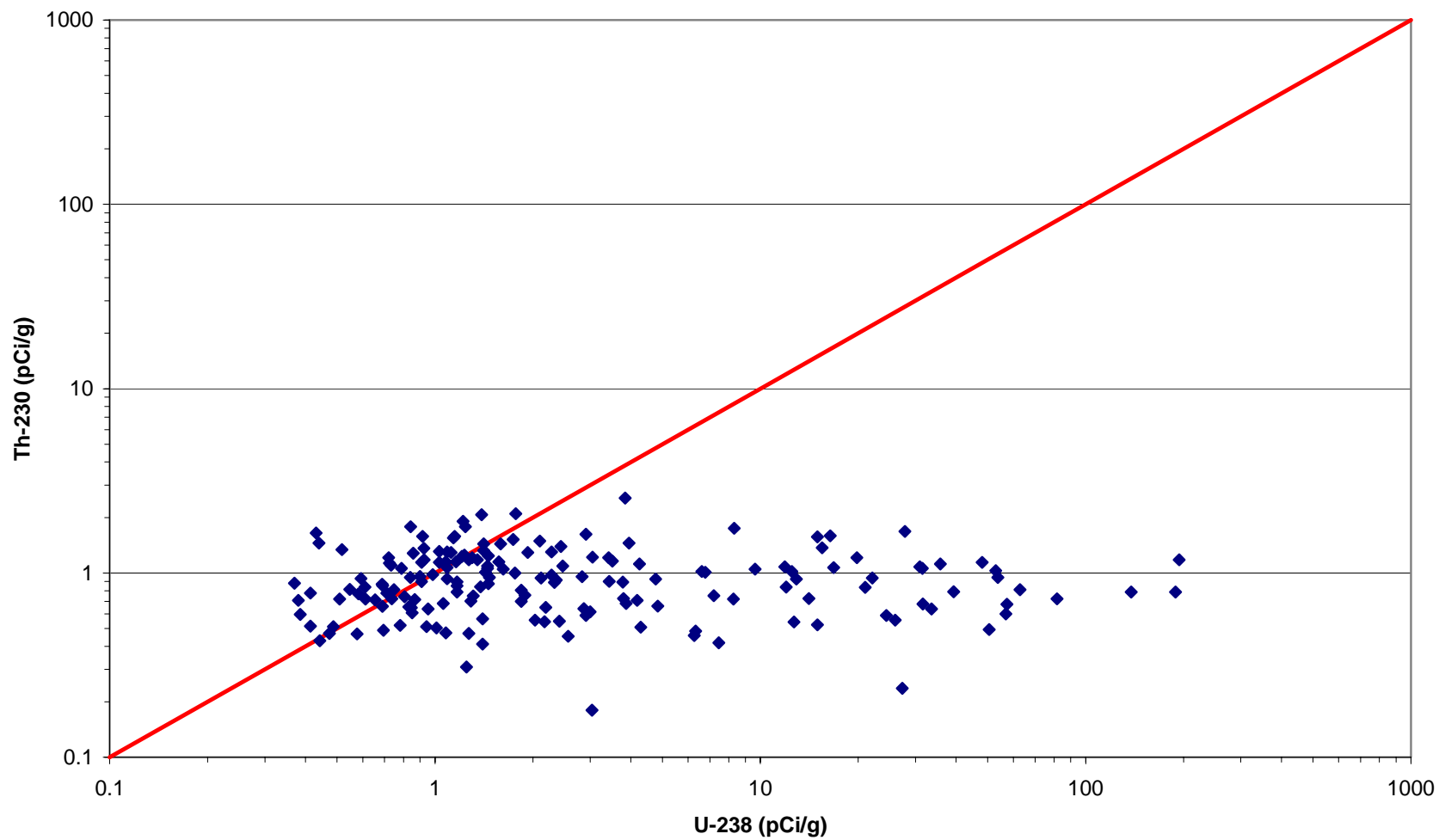


Figure 6

Uranium Concentration Evaluation
Alpha Spectroscopy vs Mass Spectroscopy

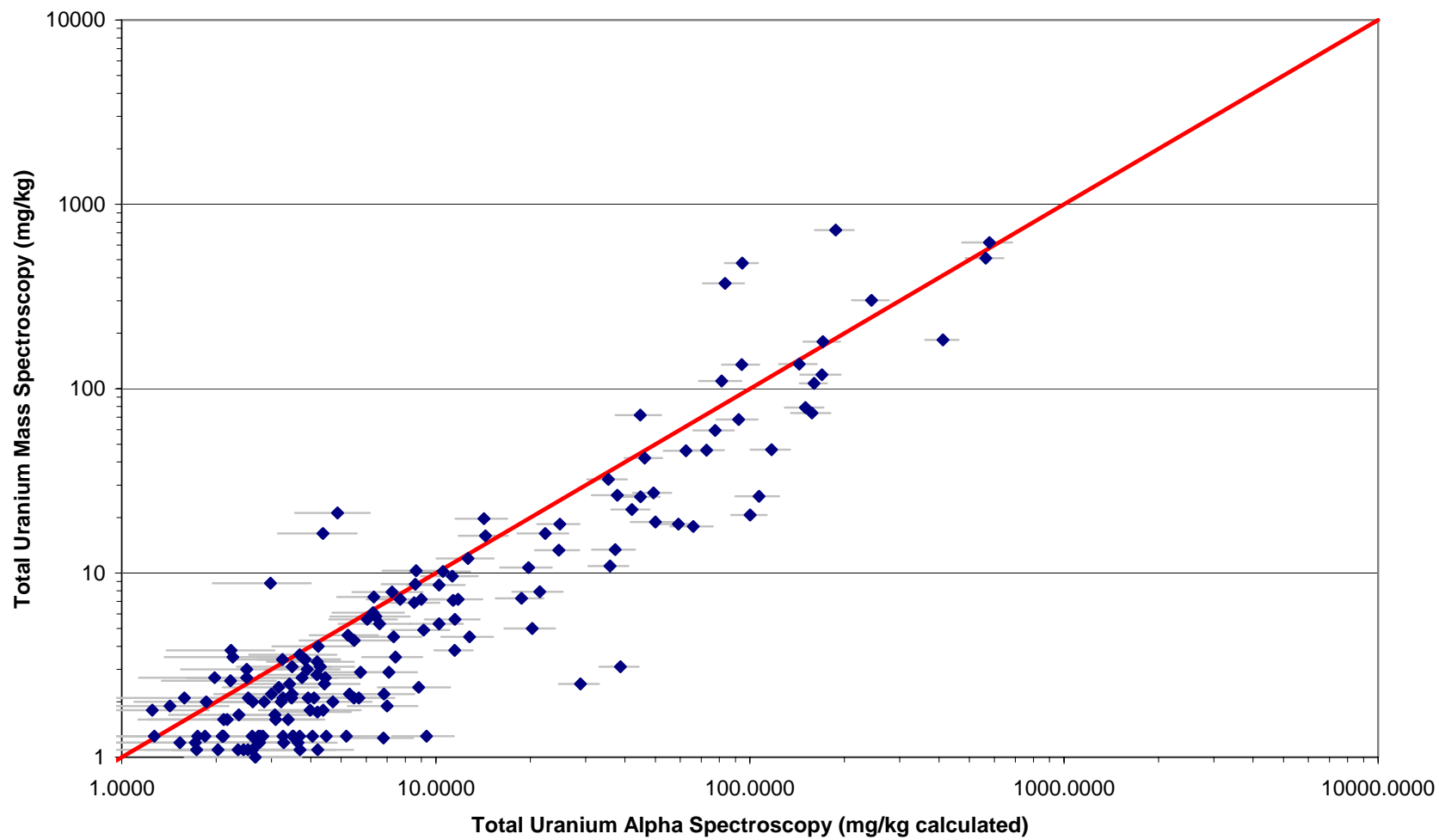


Figure 7

Thorium Evaluation
Alpha Spectroscopy vs Mass Spectroscopy

