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**FINAL**  
**TECHNICAL MEMORANDUM**  
**SUBAREA 5A, ROUND 1, SOIL SAMPLE RESULTS**  
**SANTA SUSANA FIELD LABORATORY SITE**  
**AREA IV RADIOLOGICAL STUDY**

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**SUBJECT:** Subarea 5A, Round 1 Soil Sample Results

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## **1.0 INTRODUCTION**

HydroGeoLogic, Inc. (HGL) is conducting a comprehensive radiological characterization study of Area IV and the Northern Buffer Zone (NBZ) at the Santa Susana Field Laboratory (SSFL) site in Ventura County, California. This work is being executed under U.S. Environmental Protection Agency (USEPA) Region 7 Architect and Engineering Services Contract EP-S7-05-05, Task Order 0038. The technical lead on the project is USEPA Region 9.

As part of the radiological study, surface and subsurface soil samples were collected from locations identified from geophysical surveys, gamma scanning, historical aerial photographs and findings of the Historical Site Assessment. Sampling efforts in the study area were divided into Subareas. This Technical Memorandum documents the soil sampling activities, analytical results, and conclusions of the Subarea 5A round 1 soil sampling. The primary objective of the Subarea 5A soil sampling effort is to evaluate the nature of potential radionuclide contamination in soil that may have resulted from past nuclear operations. This objective was achieved through the collection and analysis of surface, subsurface, and drainage soil samples.

The approach for round 1 soil sampling was to identify potential sample locations from the lines of evidence listed above, prepare a Field Sampling Plan (FSP) Addendum for the subarea, present the FSP, and review and finalize proposed locations with USEPA's SSFL Technical Stakeholder Workgroup.

## 2.0 SOIL SAMPLING ACTIVITIES

### 2.1 Soil Sample Location Placement and Utility Clearance

A total of 368 surface, subsurface, and drainage samples were proposed in the Subarea 5A FSP Addendum; 339 were collected (HGL, 2011a). Table 1 below summarizes the proposed samples and lists the samples actually collected. Figure 1 illustrates soil sample locations (proposed and collected). Deviations from the FSP Addendum are discussed in Section 2.3.

**Table 1**  
**Summary of Planned and Collected Samples by Group**

Group	Drainage		Surface		Subsurface		Total	
	Planned	Collected	Planned	Collected	Planned	Collected	Planned	Collected
1	4	0	23	23	47	38	74	61
2	6	5	20	22	52	47	78	74
3	4	4	10	10	38	37	52	51
4	13	10	12	12	38	35	63	57
5	9	8	46	44	46	44	101	96
Total	36	27	111	111	221	201	368	339

The proposed sampling locations were discussed during a technical review meeting held on February 2, 2011 with members of USEPA’s SSFL Technical Stakeholder Workgroup consisting of representatives of Department of Energy (DOE), the State of California Department of Toxic Substances Control (DTSC), The Boeing Company, USEPA, and the community.

After the locations were finalized with the Technical Stakeholder Workgroup, proposed sampling locations were marked in the field using a SPS 852 handheld Trimble global positioning system (GPS) and magnetic survey spikes. Before sampling activities commenced, utility clearances were performed at each location by Underground Service Alert (Dig Alert) and a private utility locator.

### 2.2 Sample Collection

Surface soil and drainage samples were collected using a stainless steel trowel or shovel. Subsurface samples were collected using a Geoprobe™ 6600 Series direct-push technology (DPT) unit or a hand auger. Soil samples were collected in accordance with the procedures detailed in the Final FSP for Soil Sampling (HGL, 2012a), and the Subarea 5A FSP Addendum (HGL, 2011a). Soil cores were logged and the boring logs are provided in Attachment 2. A total of 339 surface, subsurface, and drainage soil samples were collected within Subarea 5A from February 7, 2011, thru May 16, 2011.

During the February 2, 2011 technical review meeting recommendations and action items including those on the topic of Likely Decontamination and Decommissioning Zones (LD&DZ)

and Likely Chemical Remediation Zones (LCRZ) were discussed. The area within the vicinity of former Building 4093 was identified as an LD&DZ. A grated sump area near Building 4005, a ponding area between Building 4005 and Building 4049, former Building 4042 footprint area, and the area along the southern border referred to as the Heavy Metals area were identified by DOE and DTSC as LCRZ's (HGL, 2011a). USEPA understands that most, if not all, surface soil and infrastructure (building structures, concrete slabs, above-ground pipelines and underground pipelines etc.) may be excavated and removed from areas identified as LD&DZ and LCRZ. Therefore, USEPA placed a reduced number of surface and subsurface samples around the perimeter of these zones to better define the potential extent of contamination. In accordance with the USEPA's role under the Administrative Order on Consent (AOC) for Remedial Action (DTSC, 2010) agreement between DTSC and DOE for the SSFL site, USEPA will conduct confirmation soil sampling to verify that site remediation goals have been achieved at all such remediation zones. If the LD&DZ and LCRZs will not be excavated or removed, a data gap may exist. Additional investigations in the future may be necessary to address the potential data gap. These follow-on efforts are not included in the current scope of work and will be accomplished using additional external funding.

### **2.3 Deviations from the Field Sampling Plan Addendum**

Table 2 summarizes the deviations from the FSP and details why the planned sample was not collected. Subsurface soil samples were not collected from 16 locations because of insufficient sample volume due to shallow refusal. When shallow refusal was encountered two additional attempts were made, within a five foot radius, to get down to the proposed depth. If after the third attempt the proposed depth could not be reached a sample was collected, if possible.

Drainage samples were not collected from Locations 14, 123, 124, and 125, as these locations were sealed by a welded steel plate and thus inaccessible. Subsurface samples were not collected from Location 248 due to the presence of underground utilities. Subsurface sample Location 16 and drainage sample Locations 170, 190, 192, and 193 were not collected due to their proximity to nearby locations which adequately characterize the locations. Surface and subsurface samples were not collected from Locations 33 and 47, and from drainage Location 97, as they were located within archeological zones where no soil disturbance is permitted. A subsurface sample was not collected from Location 184, as it was located within a biologically sensitive area. The locations within the biological and archeological zones were not moved because sample locations already existed around the perimeter of these zones and additional samples would not have added any value to the characterization of the subarea.

There were four additional unplanned soil samples collected in Subarea 5A. Location 244 was erroneously placed as two separate locations, thus the second Location 244 designation was changed to Location 259 where a surface and subsurface sample was collected. A surface sample at Location 166 was added to further characterize the AE-6 reactor area and a surface sample was added at Location 254 per Stakeholder request. These additional unplanned samples are included in the total number of samples collected presented in Table 1.

## **2.4 Soil Boring Summary**

A total of 221 subsurface soil samples were planned to be collected from 213 subsurface borings, of which 29 borings were advanced to proposed depth of 10 feet below ground surface (bgs), or deeper in select locations (HGL, 2011a). Total depths in soil borings that were completed to the proposed depth ranged from 10 to 30 feet bgs. The 184 borings that were not completed to the proposed depth, 107 borings could only be advanced to a depth less than 5.0 feet bgs and 77 could only be advanced to a depth greater than or equal to 5.0 but less than 10.0 feet bgs. Soil samples were collected from these borings in accordance with the Final FSP for Soil Sampling (HGL, 2012a)

Soil samples were classified and described in accordance with the Final FSP for Soil Sampling (HGL, 2012a). The most common soil types observed were sand, silty sand, silt, sandy clay, silty clay, and clay. A total of 118 locations encountered fill material in all or a portion of the boring. The fill material consisted of soils that exhibited a mottled texture and frequently contained anthropogenic material such as concrete, asphalt, or glass. Refusal was encountered in three of the borings due to rubble present in fill material and in 185 borings due to bedrock before the proposed depth was reached. Native soil was encountered below fill material in 93 of the 118 borings. A total of 95 borings consisted of only native soil. A summary of the boring log information is presented in Table A.1 and the boring logs are provided in Attachment 2.

## **3.0 ROUND 1 SOIL ANALYTICAL RESULTS**

Analyses of soil samples were conducted in accordance with the draft revised Final Quality Assurance Project Plan (QAPP) for Soil Sampling which was finalized in March 2012 (HGL, 2012b). All soil samples were analyzed for the default suite of analytes presented in Table 2.3 of the FSP for Soil Sampling (HGL, 2012a). In addition to the default analytes, soil samples collected in the vicinity of the Systems for Nuclear Auxiliary Power (SNAP) nuclear reactors were also analyzed for the site-specific analytes carbon (C)-14, nickel (Ni)-59, Ni-63, technetium (Tc)-99; and, in the vicinity of the Former van de Graaff Accelerator Building 4030/4035 soil samples were also analyzed for the site-specific analytes americium (Am)-243 and tritium (H-3) in accordance with the rationale presented in Table 2.3 of the Final FSP for Soil Sampling (HGL, 2012a).

### **3.1 Radiological Trigger Levels**

Analytical results were compared to the radiological trigger levels (RTL) established specifically for the Area IV Santa Susana Field Laboratory Radiological Study. RTLs are reference soil concentrations for the radionuclides of concern for the Radiological Study. Analytical results below each RTL are considered uncontaminated or non-actionable, and results that exceed RTL are actionable and may represent contamination. The process used to derive the RTLs is presented in the Technical Memorandum, Radiological Trigger Levels (HGL, 2011b), and is briefly summarized below.

During the SSFL Radiological Background Study (HGL, 2011d), soil samples were collected from off-site locations representing the two geological formations present at the SSFL Site: the

Chatsworth Formation and the Santa Susana Formation. Based on the results of the background samples Background Threshold Values (BTV) were developed, which are the upper concentration limits of radionuclides of concern from off-site locations. BTVs were calculated from 149 samples. For a single sample, in many instances the laboratory minimum detectable concentrations (MDC) are greater than the respective BTV. Hence, the RTL for a particular radionuclide was established at the greater of BTV or MDC values plus an additional method uncertainty (for comparison of individual sample results to the RTL). Using this approach, it is assured that an RTL exceedance is greater than locally determined background concentrations.

### **3.2 Analytical Results**

A total of 339 samples were collected during the Subarea 5A, round 1 soil sampling event. All of the soil samples collected were analyzed for the SSFL default suite as listed in Table 2.3 of the Final FSP for Soil Sampling (HGL, 2012a). In addition, select soil samples were also analyzed for Am-243, C-14, H-3, Ni-59, Ni-63, and Tc-99.

Analytical results presented in the following subsections are described in three different ways:

1. The number of physical locations where a sample(s) was collected that contained at least one radionuclide that exceeded RTLs,
2. The number of samples containing radionuclides that exceeded the RTLs, and
3. The number of radionuclides that exceeded RTLs.

One location can have multiple samples containing multiple radionuclides that exceed RTLs. For example, a single physical location could have a surface sample that has three exceedances and a subsurface sample that has four exceedances. Therefore, the results would be presented as: one location (two samples) containing seven radionuclides that exceeded RTLs.

Analytical results of soil samples collected during the round 1 sampling event reported a total of seven site-related man-made radionuclide RTL exceedances in seven samples.

Soil samples reported to contain radionuclide activities at or above the respective RTL were in the following areas:

- Former Building 4093 Area,
- Former Building 4064 Area,
- Former Building 4005 and Former Building 4023, and
- Heavy Metal Likely Remediation Zone.

Table 3 summarizes the number of RTL exceedances detected during round 1 sampling by location, samples and radionuclides exceeding the RTLs.

**Table 3**  
**Round 1 Locations, Samples and Man-made Radionuclides with Exceedances**

Area of RTL Exceedance	Locations	Samples	Man-made Radionuclides Exceeding RTLs
Former Building 4093 Area	2	2	2
Former Building 4064 Area	1	1	1
Former Building 4005 and Former Building 4023	3	3	3
Heavy Metal Likely Remediation Zone	1	1	1
<b>Totals</b>	<b>7</b>	<b>7</b>	<b>7</b>

**Notes:**

Reporting units in picocuries per gram.

Table 4 presents the sample location, sample type, radionuclide concentration, and technical justification for collecting additional soil samples. Figure 1 presents the locations of all the soil samples collected during round 1. Figures 2 through 5 present the location, radionuclide, and concentration detected above the RTLs in samples collected from the areas discussed above. A summary of the analytical results is provided in Table A.2.

Soil samples reported to contain radionuclide concentrations at or above the respective RTL were clustered in five primary areas within Subarea 5A as summarized below:

- **Former Building 4093 Area (Figure 2)**
  - Strontium (Sr)-90 was reported exceeding RTLs at two locations (two samples) with concentrations of 0.579 pCi/g and 2.56 pCi/g.
- **Former Building 4064 Area (Figure 3)**
  - Cesium (Cs)-137 was reported exceeding RTLs at one location (one sample) with a concentration of 0.993 pCi/g.
- **Former Building 4005 and Former Building 4023 (Figure 4)**
  - Europium-152 was reported exceeding RTLs at two locations (two samples) with concentrations of 0.073 pCi/g and 0.165 pCi/g.
  - Nickel-59 was reported exceeding the RTL at one location (one sample) with a concentration of 23.9 pCi/g.
- **Heavy Metal Likely Remediation Zone (Figure 5)**
  - Cesium-137 was reported exceeding RTLs at one location (one sample) with a concentration of 0.24 pCi/g.

There was one location (one sample) where two naturally occurring radionuclides, also known as Naturally Occurring Radioactive Material (NORM), were detected above the RTLs. Location 77 contained bismuth (Bi)-214 at 2.05 pCi/g which exceeds the RTL of 1.59 pCi/g, and lead (Pb)-214 was detected at a concentration of 2.34 pCi/g which exceeds the RTL of 1.7 pCi/g. Round 2 step-out sample locations are planned to further investigate these exceedances.

The location, sample identification, radionuclide, activity, MDC, RTL, and sample depth are presented in Table 5.

### **3.3 Radiological Trigger Levels Data Quality Gap Result Evaluations**

The use of RTLs is predicated on the assumption that analytical results will be of known and predictable quality, with the uncertainty constrained to a level that supports direct comparison of results to RTLs. As stated in the QAPP, the pertinent data quality objective (DQO) considered in the development of RTLs is that radioactivity exceedance decision error rates will be less than 5 percent. This DQO is achieved by the primary measurement quality objective (MQO) that samples with reported activity greater than the RTL should have a combined standard uncertainty of less than 10 percent.

In some cases, matrix or spectral interference, or the laboratory's occasional use of non-optimal instrumentation, results in analytical uncertainties greater than the desired 10 percent for a small percentage of analytical results. In these cases, a decision must be made whether the uncertainty is sufficiently constrained to be used to make radioactivity exceedance decisions.

The MDC is the level of activity in a sample that may be statistically distinguished from a blank sample at the 95 percent confidence interval. In practice, the MDC is a level of activity at which the uncertainty is constrained to a predictable fraction of the reported activity. It is determined, by review of the reported data and from technical judgment, that results above the reported MDC will have the associated uncertainty constrained to degree that may be useful for decision-making in exceptional circumstances, with professional oversight. Results below the associated MDC may not be usable for decision-making and represent potential data quality gaps.

A data quality gap is a sample result for which the MDC is greater than the RTL, but the reported activity is below the RTL, indicating an indeterminate result that may or may not exceed the RTL. The elevated MDC indicates a result that lacks sufficient precision to support decision making at the RTLs.

It is understood that, for all results, the reported analytical uncertainty is sufficiently reliable to be considered, however the magnitude of that uncertainty may not always allow direct comparison of the activity to the RTL, as discussed above. In many cases, the reported activity is sufficiently below the RTL (more than the associated, elevated  $2\sigma$  total propagated uncertainty [TPU]) to decide that the result does not represent an exceedance. For these cases, results are removed from further data quality gap assessment.

Remaining data quality gap results are evaluated on a case by case basis to determine whether further action is warranted or beneficial. Out of 339 environmental samples and 16 field duplicate samples (17,505 total results), there are five such data quality gaps in Subarea 5A.

- None of the data quality gaps are associated with other RTL exceedances.
- One of the five data quality gaps is associated with niobium (Nb)-94, a lower energy gamma spectrometry result, which is subject to sample-specific spectral interference from an elevated Compton continuum. This is an inherent limitation of gamma spectrometry and further analysis is not expected to significantly improve this result. The data quality gap does not support a determination of an exceedance and no further action is necessary.
- Sample 30236 had data quality gaps for plutonium (Pu)-236, Pu-238, and Pu-244, all of which are related to the same isotopic plutonium analysis. The initial analyses showed poor spectral resolution, apparently due to an undetermined matrix effect, and a low chemical yield. These sample-related issues, combined with a moderately high detector background count rate, are believed to have contributed to the data quality gap. It is reasonable to expect that the laboratory might improve the quality of the reported data by preparing the sample for reanalysis, as well as by optimizing the analysis conditions, such as instrument background. The laboratory will be requested to prepare a new aliquant for analysis and to meet the project DQOs, in addition to achieving MDCs of less than 0.045, 0.042, and 0.031 pCi/g for Pu-236, Pu-238, and Pu-244, respectively (the analyte RTLs), if possible.
- Sample 30124 has a data quality gap for Am-241, apparently resulting from a low chemical yield of 53.9 percent, as well as a moderately increased instrument background count rate for that analyte. It is reasonable that the laboratory might improve the quality of the reported data to eliminate the data quality gap by preparing the sample for reanalysis. The laboratory will be requested to prepare a new aliquant for analysis and to meet the project DQOs, in addition to achieving an MDC of less than 0.045 pCi/g (the analyte RTL), if possible.

In summary, sample 30236 will be reanalyzed for Pu-236, Pu-238, and Pu-244 and sample 30124 will be reanalyzed for Am-241 in order to achieve an MDC that is no higher than the project RTLs. The results of the recounts or reanalysis will be presented in the Technical Memorandum, Subarea 5A, Round 2 Soil Sample Results.

#### **4.0 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES**

In addition to the environmental samples collected, quality control samples were collected as described in the QAPP (HGL, 2012b). The results of the quality control samples collected and their affect on data usability are described in the following subsections.

##### **4.1 Field Duplicates**

Field duplicate soil samples were collected at a frequency of 1 per 20 samples (5 percent). A total of 16 field duplicate samples were collected during the round 1 sampling event. The field duplicate evaluation criterion includes an additional  $1\sigma$  uncertainty factor of 10 percent to allow for heterogeneity of co-located, but non-homogenized, field samples.



The comparability of a field duplicate result to that of the original sample is assessed by evaluating the duplicate Z-score comparison ( $Z_{DUP}$ ). The Z-score is a statistical test that indicates how many standard deviations an observation is from the expected value. The Z-score is defined in the QAPP (HGL, 2012b), and the  $Z_{DUP}$  is calculated as follows:

$$Z_{DUP} = \frac{|X_s - X_d|}{\sqrt{u_s^2 + u_d^2}}$$

where:

- $X_s$  = activity of the sample
- $X_d$  = activity of the duplicate
- $u_s$  = combined standard ( $1\sigma$ ) uncertainty of the sample
- $u_d$  = combined standard ( $1\sigma$ ) uncertainty of the duplicate

Higher  $Z_{DUP}$  scores indicate greater disparity between the sample and the duplicate results. A  $Z_{DUP}$  score of 2.0, for example, indicates that the duplicate result differs from the sample result by twice the overall uncertainty of the two results. Hence, a  $Z_{DUP}$  score of 1.96 (the warning level) indicates that the two results are statistically equivalent, at the 95 percent confidence interval. A  $Z_{DUP}$  score of 2.58 (the exceedance level) indicates that the two results are statistically equivalent, at the 99 percent confidence interval.

A  $Z_{DUP}$  evaluation is performed on each paired set of analytes for which parent and duplicate data are reported. This quality assurance/quality control assessment is performed on the validated laboratory results approved and accepted by the project, and recorded in the project database as of May 14, 2012. Subsequent modifications to the approved data or the project database may not be reflected in this assessment.

Round 1 field duplicate sample data includes 1,587 results from 792 sample/duplicate pairs. Those results included several analytes which were subsequently removed from consideration, and thus were not evaluated. In addition, any results that were rejected by data validation were removed from consideration. Finally, analytes that are simply inferred from previously reported results, such as yttrium-90, which is inferred from the reported Sr-90 results, are considered redundant and have also been removed from consideration.

The  $Z_{DUP}$  evaluation of the remaining 584 qualified pairs follows:

- 539 results (92.3 percent) were within the expected 95 percent confidence interval for this evaluation, with  $Z_{DUP}$  less than 1.96;
- 21 results (3.6 percent) were between the 95 percent and 99 percent confidence interval with  $Z_{DUP}$  at or above 1.96, but below 2.58;
- 24 results (4.1 percent) exceeded the 99 percent confidence interval, with  $Z_{DUP}$  values at or above 2.58.

The  $Z_{DUP}$  statistical test predicts that, in a homogeneous sample/duplicate pairing, 4 percent of reported  $Z_{DUP}$  scores (approximately 24 results in this  $Z_{DUP}$  set) will be in the warning range between 1.96 and 2.58. In addition, 1 percent (approximately 6 results in this  $Z_{DUP}$  set) are expected to exceed a  $Z_{DUP}$  score of 2.58.

A review of the  $Z_{DUP}$  warnings and exceedances, and the associated laboratory data, has been conducted and the following observations are made regarding the collection and analysis of field duplicate samples:

- The highest exceedance, i.e.  $Z_{DUP}$  score at or above 2.58, is related to the sample/duplicate pair 30154/30407, in which the U-233/234 and U-238  $Z_{DUP}$  scores are 7.51 and 8.03, respectively. Closer scrutiny of the data set shows that the sample preparation batch 1355013, associated with sample 30154, exhibits lower than expected isotopic uranium results for all samples, in some cases less than half the mean value for other samples in the same subarea. While no definite conclusions may be drawn from this information, it is possible that the laboratory experienced an incomplete digestion of the soil material prior to chemical separation and analysis. The results for this batch may be subject to uncertainty that is considerably greater than that reported.

The above comments notwithstanding, inspection of the individual sample data, including alpha emission spectra do not otherwise indicate unusual or anomalous results, and there is no indication of man-made enriched or depleted uranium, or any characteristics other than naturally occurring uranium activity. The  $Z_{DUP}$  exceedances are not believed to significantly impinge on the usability of the Subarea 5A data for determining RTL exceedances.

- The sample/duplicate pair 30206/30395 has a  $Z_{DUP}$  exceedance at 7.29 for antimony-125. A careful review of the gamma spectral data suggests that the elevated  $Z_{DUP}$  score is attributable to an underestimate of the reported uncertainty, which has been previously observed in the project data, and which is particularly prevalent in, but not limited to, gamma spectrometry results for which the analyte of interest is not detected. These exceedances do not appear to represent a significant impact to the usability of the data for its intended purpose.
- Of the 24 exceedances observed in this subarea, 13 are related to gamma spectrometry and the majority include non-detected results.
- The remaining  $Z_{DUP}$  exceedances involve  $Z_{DUP}$  scores at or below 4.81. In addition to the apparent underestimate of the reported uncertainty, discussed above, these exceedances may also indicate a degree of heterogeneity in the field that has not otherwise been accounted for in this assessment. A review of the frequency and magnitude of the  $Z_{DUP}$  excursions, as well as a review of the individual results and associated laboratory data, do not indicate significant concerns regarding the quality or usability of the data.
- The 21  $Z_{DUP}$  scores in the warning range, between 1.96 and 2.58, are within the expected frequency and do not appear to represent a data quality excursion.

The overall frequency and magnitude of the  $Z_{DUP}$  excursions and a review of the individual results and associated laboratory data indicate a small underestimate of the reported uncertainties for certain analytical methods, and suggest a degree of heterogeneity in the co-located, non-homogenized field duplicate samples that is otherwise unaccounted for in this evaluation. Unless specifically noted otherwise, however, the results do not indicate significant concerns regarding the quality or usability of the data. A summary of the parent and associated duplicate sample results is provided Table A.3.

## **4.2 Equipment Rinsate and Source Water Blanks**

Equipment rinsate blanks were collected at a frequency of one per day, for each type of sampling equipment used per field team. Equipment rinsate blanks were collected in accordance with the FSP for Soil Sampling (HGL, 2012a) and the QAPP (HGL, 2012b). A total of 57 rinsate samples and six source water samples were collected during the round 1 sampling event. Each sample was tested for isotopic uranium, as a surrogate indicator of cross-contamination. Any results that were rejected for laboratory quality reasons would have been removed from consideration, as in the evaluation of field duplicate samples, above. In this data set, however, no sample results were rejected. Rinsate and source water samples were also analyzed for H-3 if it was included in the analytical suite for samples collected that day. This equipment rinsate assessment is performed on the validated laboratory results approved and accepted by the project, and recorded in the project database as of April 27, 2012. Subsequent modifications to the approved data or the project database may not be reflected in this assessment.

In all cases, the samples were analyzed by the laboratory as-received and the Total activity is reported.

Round 1 rinsate and source water samples include 368 total results, from which 184 data pairs were evaluated by Z-score duplicate comparison. The  $Z_{DUP}$  scores are summarized below.

- 180 results (97.8 percent) were within the expected 95 percent confidence interval for this evaluation, with  $Z_{DUP}$  less than 1.96;
- 4 results (2.2 percent) was between the 95 percent and 99 percent confidence interval with  $Z_{DUP}$  at or above 1.96, but below 2.58;
- Zero results (0.0 percent) exceeded the 99 percent confidence interval, with  $Z_{DUP}$  values at or above 2.58.

As with the field duplicates, the  $Z_{DUP}$  statistical test predicts that approximately 4 percent of reported  $Z_{DUP}$  scores will be in the range between 1.96 and 2.58. The four results in that warning range are within the expected frequency.

The evaluation of equipment blank results indicates that the decontamination of the field sampling equipment is acceptable and that there is no evidence of sample cross-contamination from the sampling equipment that would adversely affect the quality or usability of the reported

field sample data. A summary of the rinsate and source water blank analytical results are provided in Table A.4.

## **5.0 SUMMARY OF FINDINGS**

Radionuclide concentrations exceeding RTLs were detected in samples collected from four primary areas:

- Former Building 4093 Area,
- Former Building 4064 Area,
- Former Building 4005 and Former Building 4023, and
- Heavy Metal Likely Remediation Zone.

The site-related man-made radionuclides that were detected at concentrations exceeding the RTLs in these areas are summarized below:

- Cesium-137 was detected at two locations (two samples) with concentrations of 0.24 pCi/g and 0.993 pCi/g.
- Europium-152 was detected at two locations (two samples) with concentrations of 0.073 pCi/g and 0.165 pCi/g.
- Nickel-59 was detected at one location (one sample) at a concentration of 23.9 pCi/g.
- Strontium-90 was detected at two locations (two samples) with concentrations of 0.579 pCi/g and 2.56 pCi/g.

The two naturally occurring radionuclides that exceeded the RTLs were Bi-214 (2.05 pCi/g) and Pb-214 (2.34 pCi/g). Both exceedances were reported in the subsurface sample collected from Location 77.

Round 2 soil sampling activities will consist of collecting additional step-out soil samples in the vicinity of each exceedance identified in round 1 samples. The Draft Subarea 5A Round 2 FSP Addendum (HGL, 2012c) describes the proposed step-out soil sampling locations, analytical testing, and technical justification for the additional sample locations.

## **6.0 REFERENCES**

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### **LIST OF TABLES**

Table 1	Summary of Planned and Collected Samples by Group
Table 2	Summary of Samples Not Collected
Table 3	Round 1 Locations, Samples and Man-made Radionuclides with Exceedances
Table 4	Analytical Results Exceeding Radiological Trigger Levels
Table 5	Naturally Occurring Radioactive Material Exceedances

### **LIST OF FIGURES**

Figure 1	Round 1 Sample Locations
Figure 2	Former Building 4093 Area
Figure 3	Former Building 4064 Area
Figure 4	Former Building 4005 and Former Building 4023
Figure 5	Heavy Metal Likely Remediation Zone

### **LIST OF ATTACHMENTS**

Attachment 1	Tables
Attachment 2	Boring Logs

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**TABLES**

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**Table 2**  
**Summary of Samples not Collected**  
**Subarea 5A, Round 1**

Sample Location	Sample Identification	Sample Type	Justification
5A-00002	30008	Subsurface	Refusal at 18 inches bgs with Geoprobe.
5A-00004	30012	Subsurface	Refusal at 6 inches bgs with Geoprobe.
5A-00009	30022	Subsurface	Refusal at 12 inches bgs with Geoprobe.
5A-00014	30031	Drainage	No access, welded steel plate over drain.
5A-00016	30034	Subsurface	Removed and only surface soil sampled due to close proximity to drain inlet and other subsurface samples in the near vicinity.
5A-00018	30038	Subsurface	Refusal at 12 inches bgs with Geoprobe.
5A-00120	30051	Subsurface	Refusal at 18 inches bgs with Geoprobe.
5A-00122	30055	Subsurface	Refusal at 8 inches bgs with hand auger.
5A-00123	30056	Drainage	No access, welded steel plate over drain.
5A-00124	30057	Drainage	No access, welded steel plate over drain.
5A-00125	30058	Drainage	No access, welded steel plate over drain.
5A-00248	30074	Subsurface	Removed due to underground utility conflicts.
5A-00248	30075	Subsurface	Removed due to underground utility conflicts.
5A-00145	30100	Subsurface	Refusal at 16 inches bgs with Geoprobe.
5A-00164	30120	Subsurface	Refusal at 18 inches bgs with Geoprobe.
5A-00165	30121	Subsurface	Refusal at 18 inches bgs with Geoprobe.
5A-00166	30122	Subsurface	Refusal at 8 inches bgs with Geoprobe.
5A-00170	30126	Drainage	Located in a Likely Decommissioning and Decontamination Zone.
5A-00173	30132	Subsurface	Refusal at 18 inches bgs with Geoprobe.
5A-00074	30167	Subsurface	Refusal at 18 inches bgs with Geoprobe.
5A-00184	30221	Subsurface	Located in biological zone, no disturbance permitted.

**Table 2**  
**Summary of Samples not Collected**  
**Subarea 5A, Round 1**

Sample Location	Sample Identification	Sample Type	Justification
5A-00190	30232	Drainage	Removed to reduce sample density within sewer junction box that is adequately characterized by Location 191.
5A-00192	30234	Drainage	Removed to reduce sample density within sewer junction box that is adequately characterized by Location 191.
5A-00193	30235	Drainage	Removed to reduce sample density within sewer junction box that is adequately characterized by Location 191.
5A-00203	30246	Subsurface	Refusal at 12 inches bgs with Geoprobe.
5A-00229	30273	Subsurface	Refusal at 18 inches bgs with Geoprobe.
5A-00023	30286	Subsurface	Refusal at 18 inches bgs with Geoprobe.
5A-00033	30304	Surface	Location is within an archeological zone, no soil disturbance permitted.
5A-00033	30439	Subsurface	Location is within an archeological zone, no soil disturbance permitted.
5A-00047	30329	Surface	Location is within an archeological zone, no soil disturbance permitted.
5A-00047	30330	Subsurface	Location is within an archeological zone, no soil disturbance permitted.
5A-00062	30358	Subsurface	Refusal at 14 inches bgs with hand auger.
5A-00097	30366	Drainage	Location is within an archeological zone, no soil disturbance permitted.

**Notes:**

bgs - below ground surface

**Table 4**  
**Analytical Results Exceeding Radiological Trigger Levels**  
**Subarea 5A, Round 1**

Sample Location	Sample Identification	Sample Depth (ft bgs)	Radionuclide Detected	Activity	RTL	Associated Line Of Evidence	Step-out Justification
5A-00008	30020	1.00 - 2.00	Ni-59	23.9	8.39	Location of the pump test loop (Drawing 303-023-A7).	Concentration of Ni-59 (23.9 pCi/g) exceeded the RTL (8.39 pCi/g) in the subsurface sample collected from Location 8. Further characterize pump test loop area.
5A-00159	30115	1.00 - 5.00	Sr-90	0.579	0.485	Downstream of 6-inch pipe end.	Concentration of Sr-90 (0.579 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface sample collected from Location 159. Further characterize area downstream of 6-inch pipe.
5A-00168	30124	1.00 - 4.00	Sr-90	2.56	0.485	Sample is located along the "AC Ditch" that serves as a surface drainage. Sample to be collected just beneath asphalt.	Concentration of Sr-90 (2.56 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface sample collected from Location 168. Further characterize "AC Ditch" area.
5A-00066	30157	0.00 - 0.50	Cs-137	0.993	0.207	Survey results indicate potential geophysical anomaly using terrain conductivity meter.	Concentration of Cs-137 (0.993 pCi/g) exceeded the RTL (0.207 pCi/g) in the subsurface sample collected from Location 66. Further investigate previously notated potential geophysical anomaly.
5A-00180	30214	0.00 - 0.50	Eu-152	0.073	0.0566	Location of a Septic Tank (previously removed).	Concentration of Eu-152 (0.073 pCi/g) exceeded the RTL (0.0566 pCi/g) in the surface sample collected from Location 180. Further characterize previous Septic Tank area.
5A-00181	30216	0.00 - 0.50	Eu-152	0.165	0.0566	Location of a Septic Tank (previously removed).	Concentration of Eu-152 (0.165 pCi/g) exceeded the RTL (0.0566 pCi/g) in the surface sample collected from Location 181. Further characterize previous Septic Tank area.
5A-00042	30321	0.00 - 0.50	Cs-137	0.24	0.207	Scan results indicate presence of elevated gamma radiation.	Concentration of Cs-137 (0.24 pCi/g) exceeded the RTL (0.207 pCi/g) in the subsurface sample collected from Location 42. Further investigate previously indicated elevated gamma radiation.

**Notes:**

Refer to Table 2.1 of the Final Field Sampling Plan for Soil Sampling (HGL, 2012a) for a definition of radionuclide symbols.

Reporting units in picocuries per gram.

bgs - below ground surface

ft - feet

NORM - naturally occurring radiological material

RTL - radiological trigger level

**Table 5**  
**Naturally Occurring Radioactive Material Exceedances**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	RTL	Sample Depth (ft bgs)	HSA Findings/Aerial Photograph Features	Gamma Results	Rock Outcrops/Boulders present?	Boring log	Historical RAD Data	Justification
5A-00077	30173	Bi-214	2.05	0.03	1.59	1.00 - 3.00	No HSA findings or aerial photo features.	Survey indicated potential gamma anomaly.	Not present	Subsurface sampling indicates sample was weathered siltstone.	NA	Step-outs for Gamma Spec 1 and 2 analytes are planned at this location.
5A-00077	30173	Pb-214	2.34	0.03	1.7	1.00 - 3.00	No HSA findings or aerial photo features.	Survey indicated potential gamma anomaly.	Not present	Subsurface sampling indicates sample was weathered siltstone.	NA	Step-outs for Gamma Spec 1 and 2 analytes are planned at this location.

**Notes:**

Refer to Table 2.1 of the Final Field Sampling Plan for Soil Sampling (HGL, 2012a) for a definition of radionuclide symbols.

Reporting units in picocuries per gram.

bgs - below ground surface

ft - feet

HSA - Historical Site Assessment

ID - identification

MDC - minimum detection concentration

NA - not applicable

RAD - radiological

RTL - radiological trigger level

**FIGURES**

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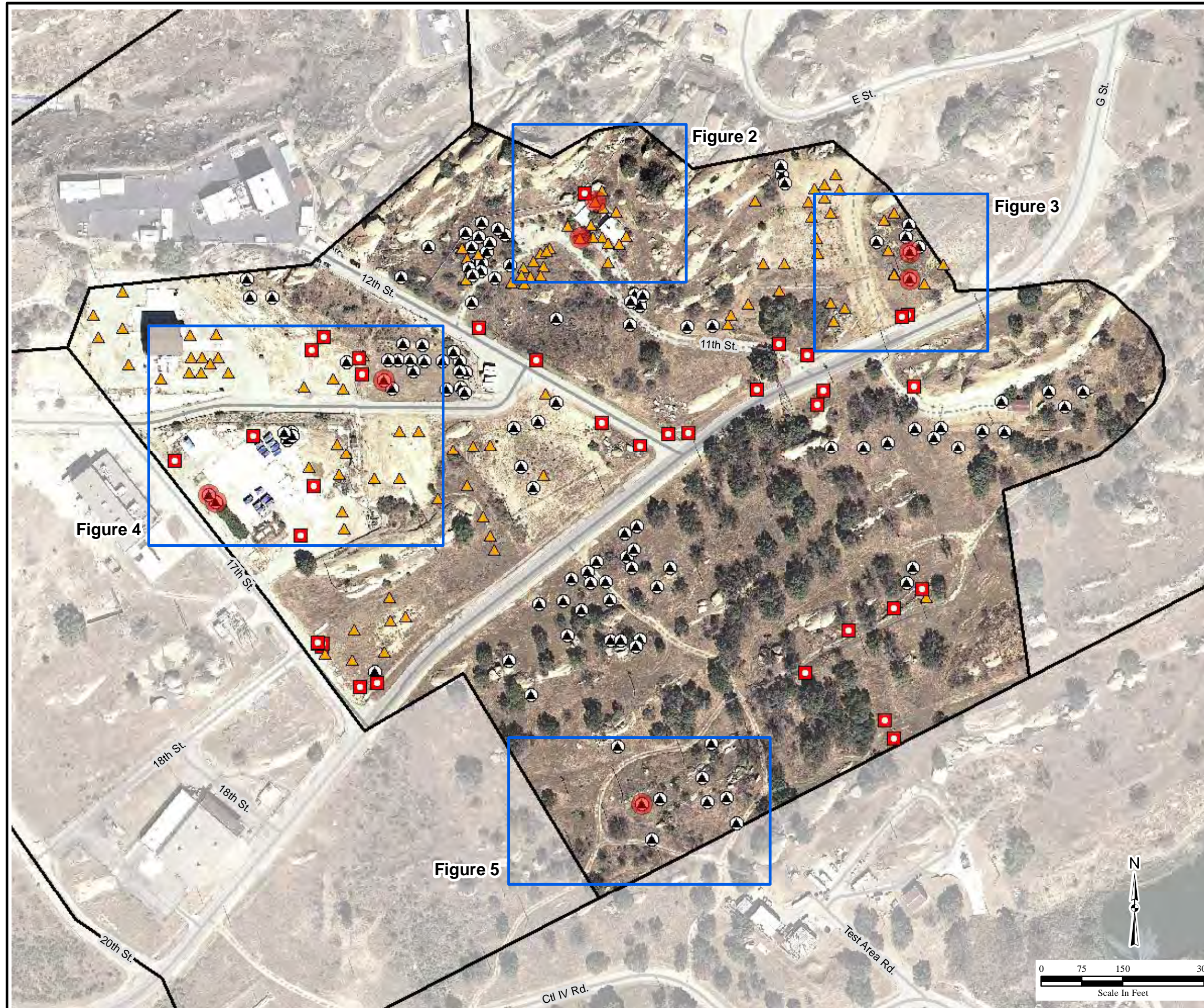
**Figure 1**  
**Round 1 Sample Locations**  
**Subarea 5A, Round 1**  
**Santa Susana Field Laboratory**

U.S. EPA Region 9



**Legend**

- Exceed RTLs
- Round 1 Sample Location**
  - Drainage
  - Subsurface
  - Surface Subsurface
- Subareas
- Figure Inset
- Note:**  
RTL - Radiological Trigger Level



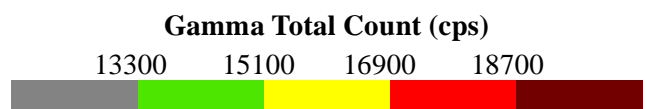
**Figure 2**  
**Former Building 4093 Area**  
**Subarea 5A, Round 1**  
**Santa Susana Field Laboratory**

U.S. EPA Region 9

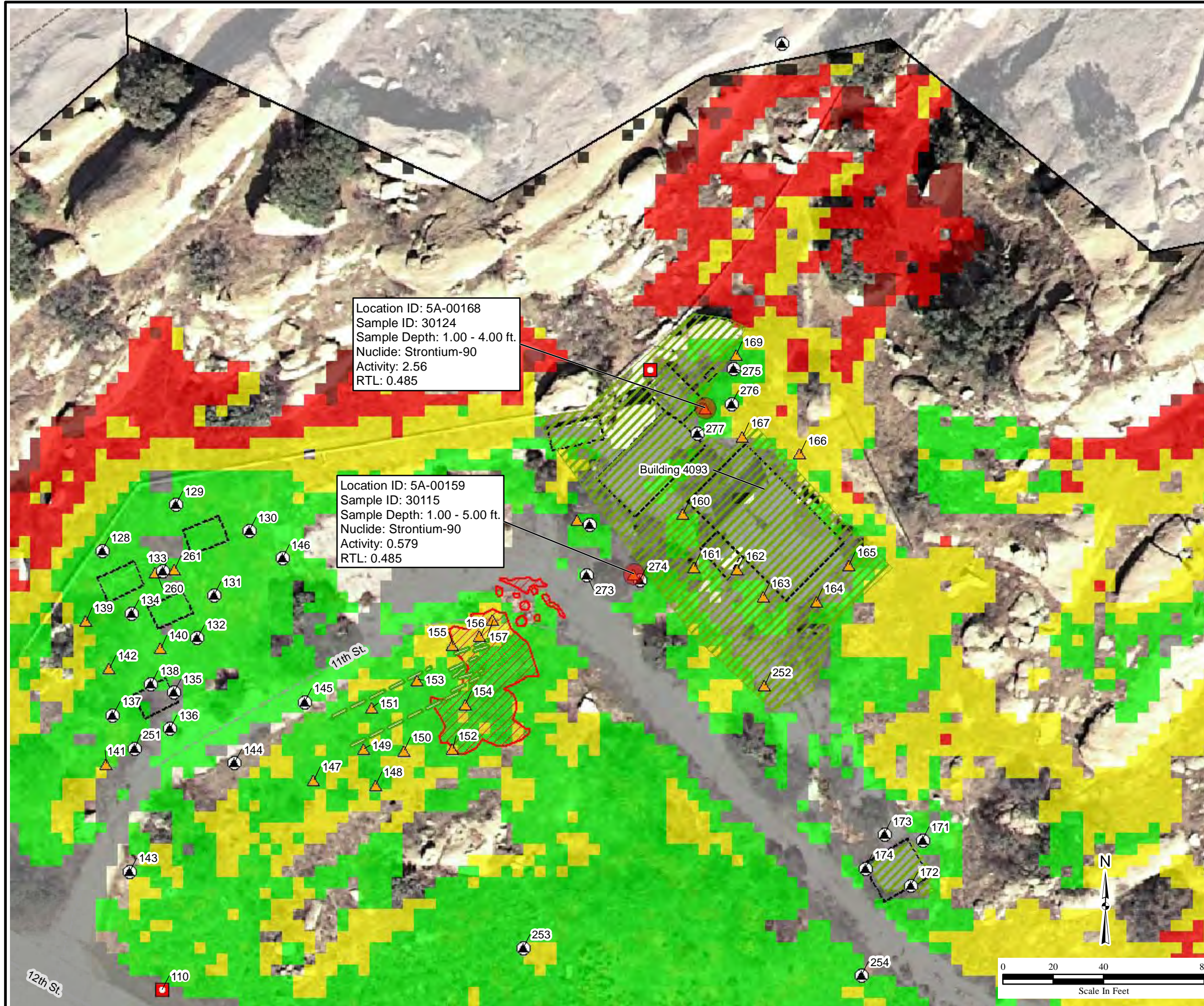


**Legend**

- Exceed RTLs
- Round 1 Sample Location**
- Drainage
- ▲ Subsurface
- ▲ Surface Subsurface
- Geophysical Anomalies**
- Ground Penetrating Radar
- Terrain Conductivity
- Likely Remediation Zones**
- Decontamination and Decommissioning
- Subareas
- Demolished Building
- 145 Location ID



**Notes:**  
RTL - Radiological Trigger Level  
cps - counts per second  
ft - Feet  
ID - Identification  
All units reported in picocuries per gram





**Figure 3**  
**Former Building 4064 Area**  
**Subarea 5A, Round 1**  
**Santa Susana Field Laboratory**

U.S. EPA Region 9

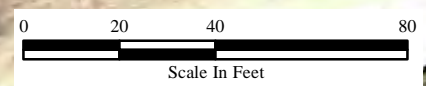
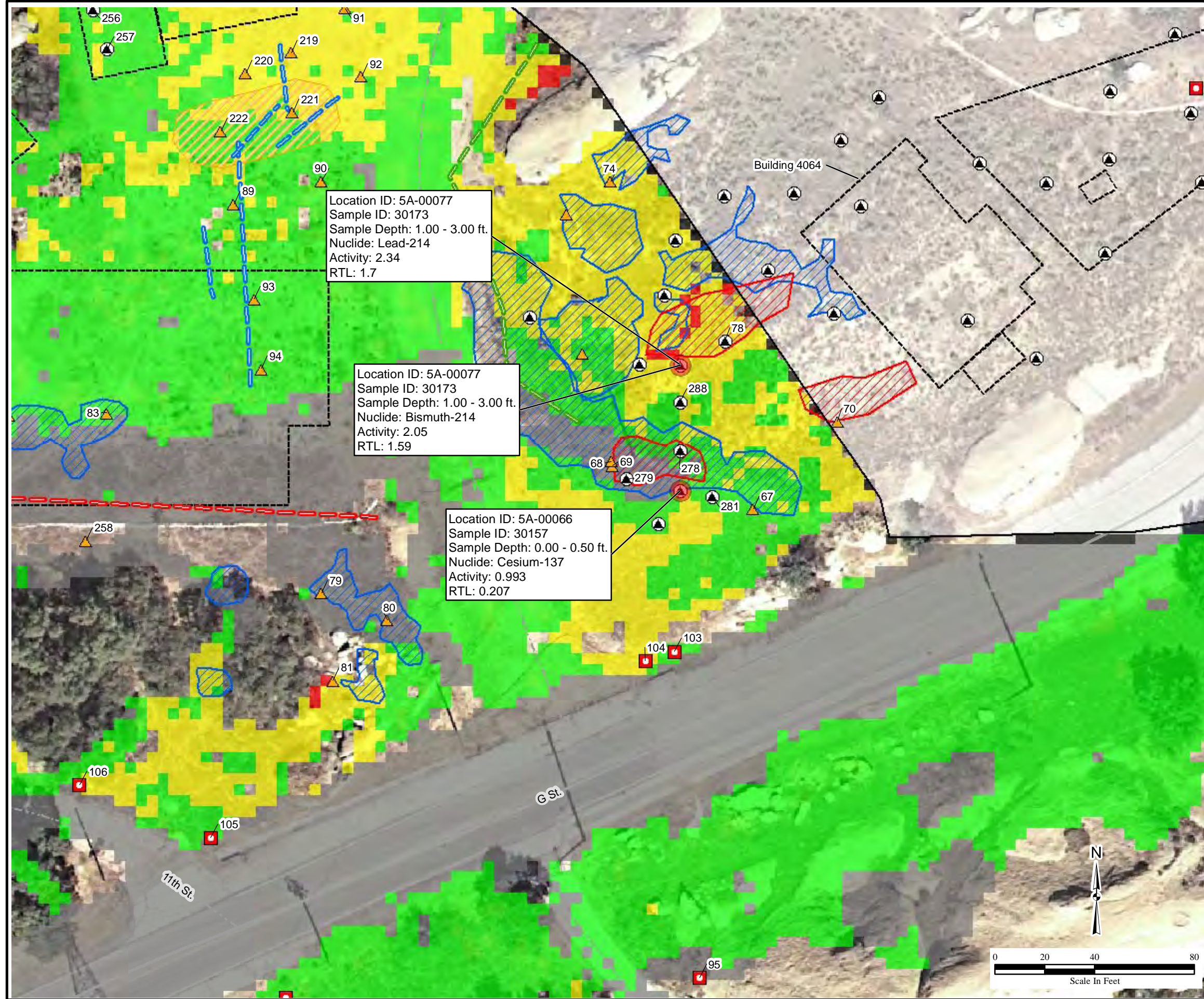


**Legend**

- Exceed RTLs
  - Round 1 Sample Location**
  - Drainage
  - ▲ Subsurface
  - ▲ Surface Subsurface
  - Geophysical Anomalies**
  - Ground Penetrating Radar
  - Magnetometer
  - Terrain Conductivity
  - ▨ Magnetometer
  - ▨ Terrain Conductivity
  - Likely Remediation Zones**
  - ▨ Chemical
  - Subareas
  - Demolished Building
  - 145 Location ID
- Gamma Total Count (cps)**
- |       |       |       |       |
|-------|-------|-------|-------|
| 13300 | 15100 | 16900 | 18700 |
|-------|-------|-------|-------|

**Notes:**  
RTL - Radiological Trigger Level  
cps - counts per second  
ft - Feet  
ID - Identification  
All units reported in picocuries per gram

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Fig3\_4064Area.mxd  
8/20/2012 pbillock  
Source:HGL 2010, CIRGIS 2007



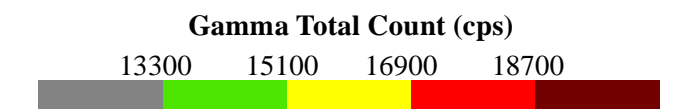
**Figure 4**  
**Former Building 4005 and**  
**Former Building 4023**  
**Subarea 5A, Round 1**  
**Santa Susana Field Laboratory**

**U.S. EPA Region 9**



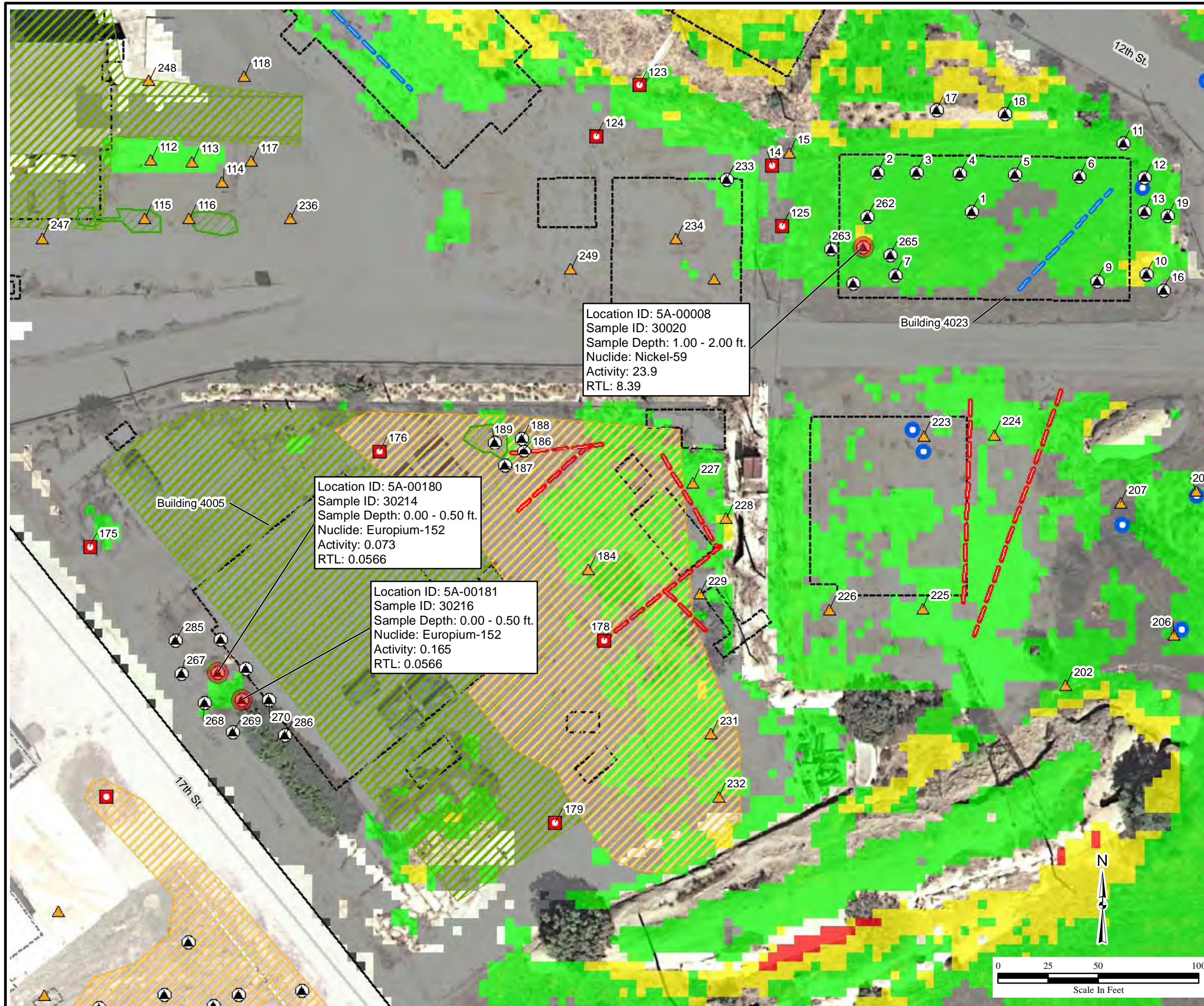
**Legend**

- Exceed RTLs
- Round 1 Sample Location**
- Drainage
- ▲ Subsurface
- ▲ Surface Subsurface
- Geophysical Anomalies**
- Magnetometer
- Magnetometer
- - - Terrain Conductivity
- ▨ Ground Penetrating Radar
- Likely Remediation Zones**
- ▨ Chemical
- ▨ Decontamination and Decommissioning
- Subareas
- Demolished Building
- 145 Location ID



**Notes:**  
RTL - Radiological Trigger Level  
cps - counts per second  
ft - Feet  
ID - Identification  
All units reported in picocuries per gram

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Fig4\_4005and4023.mxd  
8/20/2012 pbillock  
Source:HGL 2010, CIRGIS 2007



**Figure 5**  
**Heavy Metal Likely Remediation Zone**  
**Subarea 5A, Round 1**  
**Santa Susana Field Laboratory**

**U.S. EPA Region 9**



**Legend**

● Exceed RTLs

**Round 1 Sample Location**

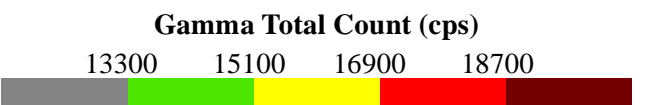
▲ Surface Subsurface

**Likely Remediation Zones**

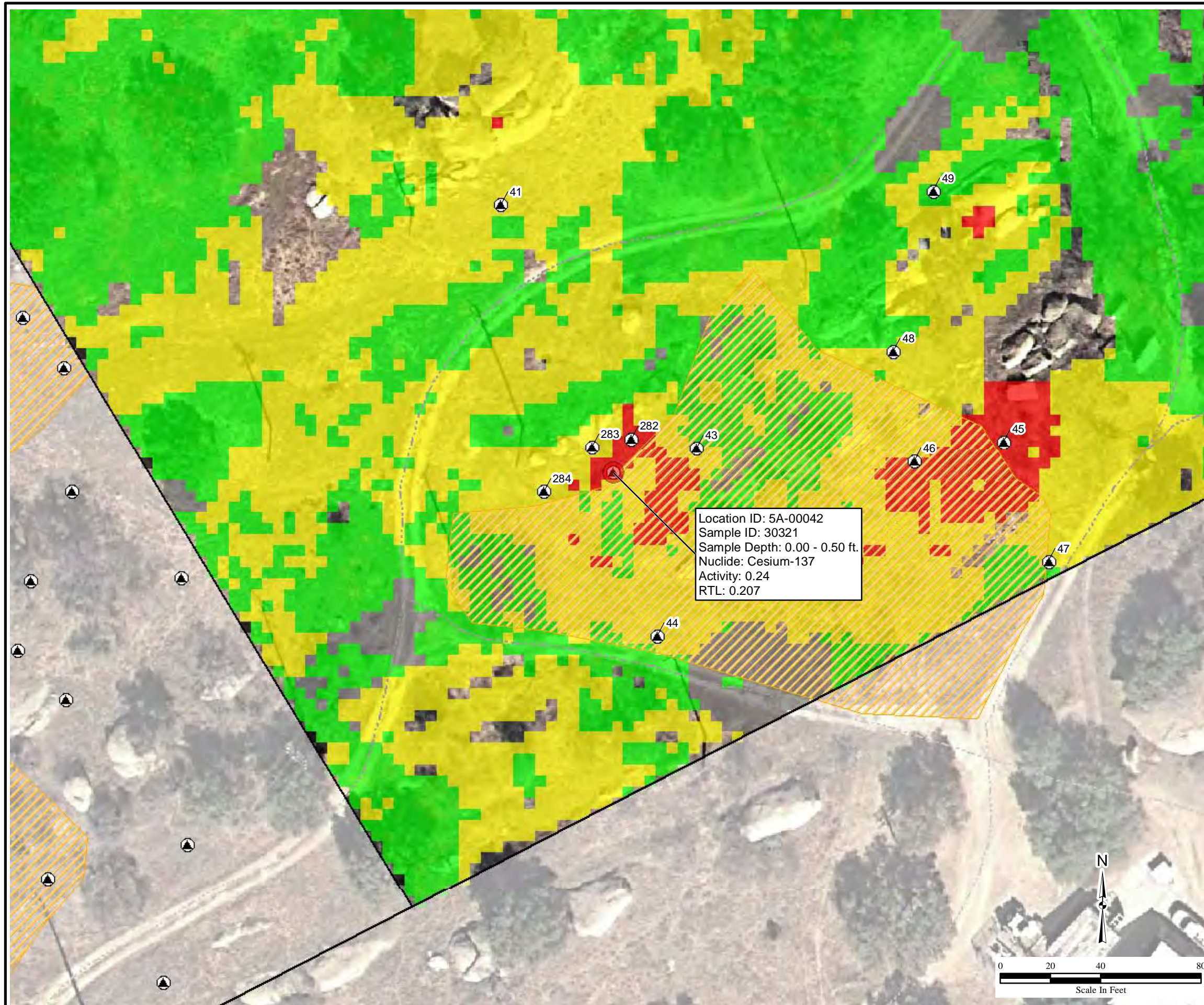
▨ Chemical

▭ Subareas

145 Location ID



**Notes:**  
RTL - Radiological Trigger Level  
cps - counts per second  
ft - Feet  
ID - Identification  
All units reported in picocuries per gram



**ATTACHMENT 1**

Tables

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## **LIST OF ATTACHMENT TABLES**

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Table A.1	Boring Log Summary
Table A.2	Analytical Results Summary
Table A.3	Parent and Field Duplicate Results Summary
Table A.4	Rinsate and Source Comparison Summary

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**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00001	0.0-0.5	1.0-5.0	ML/SM	7	7	1907977.52585669	6347272.69772310
5A-00002	0.0-0.5	NA	SM	1.5	1.5	1907997.38736552	6347226.13154328
5A-00003	0.0-0.5	1.0-3.0	SM	3	3	1907997.00449227	6347245.27914278
5A-00004	0.0-0.5	NA	SM	0.5	0.5	1907996.62129094	6347267.10718311
5A-00005	0.0-0.5	1.0-4.5	SM	4.5	4.5	1907996.23841768	6347294.29676127
5A-00006	0.0-0.5	1.0-3.0	SM/CL	3	3	1907995.08946985	6347326.46467595
5A-00007	0.0-0.5	1.0-5.0	ML/SM/SP/SW	10	NA	1907946.32906869	6347234.97142061
5A-00008	0.0-0.5	1.0-2.0	SM	2	2	1907960.11348994	6347219.01016644
5A-00009	0.0-0.5	NA	SP	1	1	1907943.42684352	6347335.16413361
5A-00010	0.0-0.5	1.0-2.0	SP	2	2	1907946.45472461	6347359.78153844
5A-00011	0.0-0.5	1.0-2.5	SM	2.5	2.5	1908011.55662852	6347348.29304436
5A-00012	0.0-0.5	1.0-3.0	ML/SM/SP	3	3	1907994.70659660	6347359.01546386
5A-00013	0.0-0.5	1.0-3.0	SM	3	3	1907977.47401951	6347358.63259060
5A-00014	Welded steel plate no sample collected.					1908000.83388093	6347173.66708128
5A-00015	NA	1.0-4.0	SM/SP	4	4	1908007.34403852	6347182.47513452
5A-00016	0.0-0.5	NA	ML	0.5	NA	1907938.79594727	6347368.20639036
5A-00017	0.0-0.5	1.0-2.0	SM	2	2	1908028.02345911	6347255.23581578
5A-00018	0.0-0.5	NA	SM	1	1	1908026.10876477	6347289.31842477
5A-00019	0.0-0.5	1.0-2.0	SP	2	2	1907975.55899711	6347370.50395794
5A-00020	0.0-0.5	1.0-2.5	SP	2.5	2.5	1907480.63216543	6347654.69630293
5A-00021	0.0-0.5	1.0-4.0	SC/CL/SP	4	4	1907469.61775176	6347682.68049894
5A-00022	0.0-0.5	1.0-5.0	SP/ML/CL/SP	5	5	1907482.58098043	6347689.97247910



**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00023	0.0-0.5	NA	SM/SP	1.5	1.5	1907481.77061461	6347637.30985477
5A-00024	0.0-0.5	1.0-3.7	SM/SP/CL/SP	3.67	3.67	1907489.69776410	6347556.68435986
5A-00025	0.0-0.5	1.0-5.0	SM/SC/SP/SM	5.67	5.67	1907556.15104327	6347635.01622419
5A-00026	0.0-0.5	1.0-4.5	SC/CL	4.5	4.5	1907536.51427151	6347583.68364969
5A-00027	0.0-0.5	1.0-4.5	SC/CL/SC	4.5	4.5	1907553.06771611	6347549.80904552
5A-00028	0.0-0.5	1.0-4.5	SM/SP/SC/SP	4.5	4.5	1907593.57714952	6347565.20271553
5A-00029	0.0-0.5	1.0-4.0	SP/SC	4	4	1907587.90590101	6347600.04090044
5A-00030	0.0-0.5	1.0-5.0	SP/SC	5	5	1907608.20441686	6347593.86538786
5A-00031	0.0-0.5	1.0-5.0	SM/CL/SC	5	5	1907549.01654310	6347505.24876720
5A-00032	0.0-0.5	1.0-4.0	SM	4	4	1907381.58282286	6347489.32983577
5A-00033	<sup>2</sup> Archeological site no sample collected.						
5A-00034	0.0-0.5	1.0-5.0	SM/SC/CL/SC	5	5	1907588.23398435	6347626.75607010
5A-00035	0.0-0.5	1.0-5.0	SC/ML/SP/SC	5	5	1907625.98489310	6347610.57368778
5A-00036	0.0-0.5	1.0-5.0	SM/SC/CL/SP	5	5	1907614.19160961	6347675.64442378
5A-00037	0.0-0.5	1.0-5.0	SP/SM/SC/CL	5	5	1907648.47467752	6347678.58765936
5A-00038	0.0-0.5	1.0-5.0	SM/SC/CL/SM	5	5	1907635.09445493	6347667.35244560
5A-00039	0.0-0.5	1.0-5.0	SM/SP/SC/SM	10	NA	1907678.03629818	6347662.58539477
5A-00040	0.0-0.5	1.0-5.0	SP/SC/SM/SP	10	NA	1907690.36993493	6347685.80155569
5A-00041	0.0-0.5	1.0-5.0	ML/SM	5	5	1907287.10335302	6347649.97583994
5A-00042	0.0-0.5	1.0-4.5	SM/SC	4.5	4.5	1907180.64129560	6347694.91964769
5A-00043	0.0-0.5	1.0-5.0	SM	5.5	5.5	1907190.35649927	6347727.88546103
5A-00044	0.0-0.5	1.0-4.0	ML/SM	4	4	1907115.80087410	6347712.24671277

**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00045	0.0-0.5	1.0-2.5	SM/SP	2.5	2.5	1907192.81679618	6347850.21526886
5A-00046	0.0-0.5	1.0-3.9	SM/SP/SC/SP	3.92	3.92	1907185.24069585	6347814.74191461
5A-00047	<sup>2</sup> Archeological site no sample collected.						
5A-00048	0.0-0.5	1.0-2.7	ML/SM	2.7	2.7	1907228.92597593	6347806.39514652
5A-00049	0.0-0.5	1.0-3.0	SM/SP	3	3	1907292.60235777	6347822.09918336
5A-00050	0.0-0.5	1.0-5.0	SP/SM/CL/SP	5	5	1907580.09292452	6347722.07707369
5A-00051	0.0-0.5	1.0-2.7	SP/SC/SP/SM/SP/ML/SP	2.7	2.7	1907614.91732994	6347746.74434720
5A-00052	0.0-0.5	1.0-5.0	ML/SM/CL/SM	7	7	1907615.24180435	6348193.44850628
5A-00053	0.0-0.5	1.0-4.0	SM/SP/CL/SP	4	4	1907836.91918252	6348042.66862410
5A-00054	0.0-0.5	1.0-5.0	SM/SC/SP	10	NA	1907835.82436843	6348102.35977769
5A-00055	0.0-0.5	1.0-3.1	SM/SC/CL/SP	3.08	3.08	1907845.54678993	6348146.11034636
5A-00056	0.0-0.5	1.0-5.0	SM/ML/CL/SM	8	8	1907870.66255335	6348197.15223902
5A-00057	0.0-0.5	1.0-2.5	ML	2.5	2.5	1907873.39220668	6348244.58193420
5A-00058	0.0-0.5	1.0-4.0	ML	4	4	1907854.01527694	6348231.34770868
5A-00059	0.0-0.5	1.0-4.0	ML/SM	4	4	1907836.59634852	6348276.06153002
5A-00060	0.0-0.5	1.0-5.0	ML/SM	9	9	1907867.63926543	6348321.01485219
5A-00061	0.0-0.5	1.0-5.0	SM/ML	5	5	1907866.50212860	6348362.01411402
5A-00062	0.0-0.5	NA	SP	1.2	1.2	1907940.34942186	6348444.04347752
5A-00063	0.0-0.5	1.0-2.0	SM/SP	2	2	1907912.00597461	6348472.50929986
5A-00064	0.0-0.5	1.0-4.0	SM/SC	4	4	1907939.17914860	6348507.05745911
5A-00065	NA	1.0-5.0	ML/SP/SM	6	6	1907920.89473635	6348355.94982169
5A-00066	0.0-0.5	1.0-2.5	SM	2.5	2.5	1908144.92283161	6348186.94359803

**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00067	NA	1.0-2.0	SM	2	2	1908137.74075936	6348216.36381477
5A-00068	NA	1.0-2.5	SM/ML	2.5	2.5	1908156.74170560	6348159.26451953
5A-00069	NA	1.0-2.1	SM	2.08	2.1	1908155.06060660	6348159.86163120
5A-00070	NA	1.0-2.0	SP	2	2	1908172.86503294	6348250.16164744
5A-00071	NA	1.0-5.0	SM/ML/CL	6	6	1908200.15106760	6348147.78586794
5A-00072	0.0-0.5	1.0-5.0	SP/ML/CL/SM	7	7	1908214.43253510	6348126.57659277
5A-00073	NA	1.0-2.5	SM/SP/ML	2.5	2.5	1908255.57418510	6348141.32393861
5A-00074	NA	NA	SM/SP	1.5	1.5	1908268.97474885	6348159.15100269
5A-00075	NA	1.0-3.5	CL	3.5	3.5	1908245.38030785	6348185.02988794
5A-00076	0.0-0.5	1.0-5.0	CL/SM	7	7	1908223.21171702	6348180.59223278
5A-00077	0.0-0.5	1.0-3.0	ML	3	3	1908195.32594602	6348187.04596002
5A-00078	0.0-0.5	1.0-2.7	SM	2.67	2.67	1908205.02638593	6348204.94749902
5A-00079	NA	1.0-5.0	SM/ML/SM	5.17	5.17	1908103.96064319	6348043.18141836
5A-00080	NA	1.0-4.3	SM/CL	4.25	4.25	1908093.16013986	6348069.60393768
5A-00081	NA	1.0-3.3	SM	3.25	3.25	1908069.11294386	6348047.72241977
5A-00082	NA	1.0-5.0	SM/CL/SM	5	5	1908175.56319027	6347918.14525111
5A-00083	NA	1.0-5.0	SP/SM	10	NA	1908176.25971119	6347957.09169553
5A-00084	NA	1.0-2.0	SM	2	2	1908081.35963851	6347858.79300761
5A-00085	NA	1.0-5.0	ML/CL/SM/SP	7	7	1908101.09483527	6347890.06492670
5A-00086	0.0-0.5	1.0-4.0	ML/SM/SP	4	4	1908057.97418660	6347777.36961402
5A-00087	0.0-0.5	1.0-3.0	ML/SM/CL/SP	3	3	1908060.25108494	6347824.43808944
5A-00088	NA	1.0-4.5	SM	4.5	4.5	1908291.08854976	6347903.94580444

**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00089	NA	1.0-5.0	SM/ML	10	NA	1908259.90718168	6348008.10734153
5A-00090	NA	1.0-5.0	SM	5.5	5.5	1908269.12271443	6348043.18404302
5A-00091	NA	1.0-2.5	SM	2.5	2.5	1908338.04252410	6348052.65055953
5A-00092	NA	1.0-4.0	SM	4	4	1908310.92217152	6348059.24601878
5A-00093	NA	1.0-5.0	SM/SP	5	5	1908221.73632626	6348016.16244352
5A-00094	NA	5.0-10.0	SM/SC/SP	10	NA	1908193.83841619	6348019.02792336
5A-00095	0.0-0.5	NA	SM	0.5	NA	1907950.06134468	6348194.72179769
5A-00096	0.0-0.5	NA	SM	0.5	NA	1907941.95965485	6348028.63256293
5A-00097	<sup>2</sup> Archeological site no sample collected.						
5A-00098	0.0-0.5	NA	ML	0.5	NA	1907576.56307593	6348209.30510186
5A-00099	0.0-0.5	NA	ML	0.5	NA	1907499.59505402	6348074.00320710
5A-00100	0.0-0.5	NA	ML	0.5	NA	1907422.22250535	6347995.23039877
5A-00101	0.0-0.5	NA	ML	0.5	NA	1907334.31585702	6348140.43876977
5A-00102	0.0-0.5	NA	ML	0.5	NA	1907301.90811343	6348157.45284335
5A-00103	0.0-0.5	NA	SM	0.5	NA	1908080.74120143	6348184.70213268
5A-00104	0.0-0.5	NA	SM	0.5	NA	1908076.91870251	6348172.91639511
5A-00105	0.0-0.5	NA	ML	0.5	NA	1908006.20558935	6347998.68117927
5A-00106	0.0-0.5	NA	ML	0.5	NA	1908027.22851318	6347946.12386968
5A-00107	0.0-0.5	NA	ML	0.5	NA	1907943.45538677	6347905.03372878
5A-00108	0.0-0.5	NA	ML	0.5	NA	1907863.18586227	6347779.85189253
5A-00109	0.0-0.5	NA	SM	0.5	NA	1907861.59334578	6347742.58392244
5A-00110	0.0-0.5	NA	ML	0.5	NA	1908056.85148543	6347393.79492186

**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00111	0.0-0.5	NA	ML	0.5	NA	1907998.24235068	6347498.90954102
5A-00112	NA	10.0-15.0	SM/SP/SM/ML	15	NA	1908003.51464985	6346864.62537652
5A-00113	NA	10.0-15.0	ML/CL/SM/SP/SW	15	NA	1908002.74857527	6346885.30479711
5A-00114	NA	5.0-10.0	ML/CL	11	11	1907992.79190227	6346900.23980660
5A-00115	NA	10.0-15.0	SM/CL/SP/GP	15	NA	1907974.79325060	6346861.56173436
5A-00116	NA	10.0-15	SM/CL/ML/CL/SM/ML	15	NA	1907974.79325060	6346883.77297602
5A-00117	NA	1.0-6.0	SM	6	6	1908003.13144852	6346914.79194286
5A-00118	NA	1.0-3.5	SP	3.5	3.5	1908045.25636427	6346910.96255418
5A-00119	0.0-0.5	1.0-2.5	ML/SP	2.5	2.5	1908170.94837010	6346861.09946494
5A-00120	0.0-0.5	NA	SP	1.5	1.5	1908166.77875902	6346798.85418261
5A-00121	0.0-0.5	1.0-3.0	SP	3	3	1908112.27263443	6346973.38368919
5A-00122	0.0-0.5	NA	SW	0.67	0.67	1908112.42355277	6347013.41444902
5A-00123	Welded steel plate no sample collected.					1908040.66090102	6347107.41655761
5A-00124	Welded steel plate no sample collected.					1908015.38601719	6347085.97139053
5A-00125	Welded steel plate no sample collected.					1907970.61871827	6347178.54371194
5A-00126	0.0-0.5	1.0-5.0	ML/SM/SP	6	6	1908149.81324176	6347251.32309393
5A-00127	0.0-0.5	1.0-3.0	ML	3	3	1908205.34298636	6347301.31380760
5A-00128	NA	1.0-5.0	SM/SP	10	NA	1908230.92659660	6347370.02430011
5A-00129	NA	1.0-5.0	ML/SM/SP	10	NA	1908249.20051019	6347399.26275868
5A-00130	NA	1.0-5.0	SM/ML	5	5	1908238.96726294	6347428.50121727
5A-00131	0.0-0.5	1.0-5.0	SM	5	5	1908213.38824585	6347414.46187527
5A-00132	0.0-0.5	1.0-3.0	ML/SM/SP	3	3	1908196.33873928	6347407.93236077

**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00133	0.0-0.5	1.0-5.0	ML/SM	5	5	1908222.88593027	6347394.14597103
5A-00134	0.0-0.5	1.0-3.5	SM	3.5	3.5	1908206.07395601	6347381.71981478
5A-00135	0.0-0.5	1.0-5.0	SM	5	5	1908174.76857243	6347398.52621160
5A-00136	0.0-0.5	1.0-5.0	SM	5	5	1908160.42608143	6347397.04983660
5A-00137	0.0-0.5	1.0-5.0	ML/SM	5	5	1908165.87095244	6347374.41011810
5A-00138	0.0-0.5	1.0-5.0	ML/SM/SP	7.5	7.5	1908178.09632169	6347389.55510095
5A-00139	NA	1.0-3.5	SM	3.5	3.5	1908203.23111394	6347363.67654377
5A-00140	NA	1.0-5.0	SM/ML/SP	7	7	1908192.34858976	6347393.42221918
5A-00141	NA	1.0-2.5	SM/SP	2.5	2.5	1908146.64166018	6347371.65717086
5A-00142	NA	1.0-5.0	SM/ML	5	5	1908184.36796269	6347373.10795536
5A-00143	0.0-0.5	1.0-5.0	ML/SM/SP	9	9	1908103.73918694	6347380.98884511
5A-00144	0.0-0.5	1.0-5.0	SM	8	8	1908146.86574110	6347422.65345994
5A-00145	0.0-0.5	NA	ML	1.25	1.25	1908171.03235944	6347450.51265620
5A-00146	0.0-0.5	1.0-4.0	SM/ML	4	4	1908228.00271794	6347441.65867127
5A-00147	NA	1.0-5.0	SM/ML/SM/SP	10	NA	1908140.13281493	6347454.27478777
5A-00148	NA	5.0-10.0	SP/ML/SM/SP	10	NA	1908138.07638860	6347478.84199586
5A-00149	NA	5.0-10.0	SM/ML/SP/CL	10	NA	1908152.36605819	6347474.15926245
5A-00150	NA	5.0-10.0	ML/SM/GW/SP	10	NA	1908151.88968119	6347490.12543785
5A-00151	NA	2.5-7.5	SM/ML/SM	7.5	7.5	1908168.84109086	6347477.39875728
5A-00152	NA	3.0-8.0	SM/ML/SM/SP	8	8	1908152.54158276	6347509.47480860
5A-00153	NA	1.5-6.5	SM/ML/SP	6.5	6.5	1908179.87453335	6347495.41086036
5A-00154	NA	3.0-8.0	SM/ML/SM/SP	8	8	1908170.21772852	6347514.43575670

**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00155	NA	1.0-3.5	SM/SP	3.5	3.5	1908193.60482085	6347509.46201336
5A-00156	NA	1.0-4.0	SM/SP	4	4	1908197.22817318	6347520.31861894
5A-00157	NA	1.0-2.0	SM/SP	2	2	1908203.62218927	6347525.35108919
5A-00158	NA	1.0-5.0	ML	6.5	6.5	1908243.49678144	6347558.83789886
5A-00159	NA	1.0-5.0	SM/ML/SM	5	5	1908221.73140502	6347581.32866752
5A-00160	NA	1.0-5.0	SM/ML/SM	10	NA	1908245.67328627	6347600.91721102
5A-00161	NA	1.0-5.0	SM	8.5	8.5	1908224.63363019	6347605.27022070
5A-00162	NA	1.0-5.0	SM/SP/ML	5.5	5.5	1908223.90790985	6347622.68258744
5A-00163	NA	1.0-5.0	SM/SP/ML	5.5	5.5	1908213.02538569	6347632.83971935
5A-00164	NA	NA	SP	1.5	1.5	1908210.84888086	6347653.87937544
5A-00165	NA	NA	SP	1.5	1.5	1908225.35902244	6347666.93840444
5A-00166	0.0-0.5	NA	SW	0.7	0.7	1908269.61483943	6347647.34986094
5A-00167	NA	1.0-2.0	SW	2	2	1908276.67814551	6347624.65502444
5A-00168	NA	1.0-4.0	ML/SM	4	4	1908287.75259843	6347609.62355844
5A-00169	NA	1.0-5.0	SM	5	5	1908308.79225452	6347621.95719519
5A-00170	Located in a Likely Decommissioning and Decontamination Zone no sample collected.					1908302.98846035	6347587.85818203
5A-00171	0.0-0.5	1.0-3.0	SM	3	3	1908115.98785010	6347695.91505253
5A-00172	0.0-0.5	1.0-5.0	SM	5	5	1908098.06596993	6347691.35567844
5A-00173	0.0-0.5	NA	ML	1.5	1.5	1908118.45995802	6347680.76908544
5A-00174	0.0-0.5	1.0-3.5	ML/SM	3.5	3.5	1908105.10762252	6347673.31995335
5A-00175	0.0-0.5	NA	ML	0.5	NA	1907811.12034960	6346833.86822019
5A-00176	0.0-0.5	NA	SM	0.5	NA	1907858.77609418	6346978.19732785

**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00178	0.0-0.5	NA	ML	0.5	NA	1907764.82615085	6347089.84802319
5A-00179	0.0-0.5	NA	SM	0.5	NA	1907674.10028243	6347065.71454127
5A-00180	0.0-0.5	1.0-5.0	ML/SW/CL	5	5	1907748.65000211	6346897.47964152
5A-00181	0.0-0.5	2.0-7.0	SM	7	7	1907735.19103952	6346909.63611327
5A-00184	Located in a Likely Chemical Remedial Zone no sample collected.					1907800.32411136	6347082.65742077
5A-00186	0.0-0.5	1.0-4.5	SM/ML	4.5	4.5	1907858.94177628	6347049.87533411
5A-00187	0.0-0.5	1.0-5.0	SM/ML	6.5	6.5	1907851.42473094	6347040.70376453
5A-00188	0.0-0.5	1.0-5.0	SM/ML	5.5	5.5	1907865.07398185	6347049.01181878
5A-00189	0.0-0.5	1.0-5.0	SM/SP/ML	9.5	9.5	1907862.98573144	6347035.49576969
5A-00190	<sup>3</sup> Removed to reduce sample density no sample collected.					1907475.32837027	6347105.79615402
5A-00191	0.0-0.5	NA	SM	0.5	NA	1907469.76637351	6347103.53926878
5A-00192	<sup>3</sup> Removed to reduce sample density no sample collected.					1907476.05376252	6347097.33258827
5A-00193	<sup>3</sup> Removed to reduce sample density no sample collected.					1907478.47173668	6347096.76828494
5A-00194	0.0-0.5	NA	SW	0.5	NA	1907456.68405060	6347112.43327986
5A-00195	0.0-0.5	NA	ML	0.5	NA	1907396.75930169	6347174.04273669
5A-00196	0.0-0.5	NA	ML	0.5	NA	1907404.14019243	6347206.17095327
5A-00197	0.0-0.5	1.0-5.0	SM/ML	9.5	9.5	1907423.02630952	6347203.13191736
5A-00198	NA	1.0-4.0	SM/GM	4	4	1907460.23227185	6347221.31068678
5A-00199	NA	1.0-3.5	SM/CL	3.5	3.5	1907518.10846844	6347233.08920653
5A-00200	NA	1.0-5.0	ML/CL	6	6	1907526.35746768	6347260.44184211
5A-00201	NA	1.0-2.5	SM	2.5	2.5	1907561.09066594	6347230.48422485
5A-00202	NA	1.0-4.0	ML/SM	4	4	1907742.53387260	6347320.07361261



**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00203	NA	NA	ML	1	1	1907709.14122285	6347403.71616186
5A-00204	NA	1.0-5.0	ML/SP/CL/SM	5	5	1907674.08814335	6347416.32866944
5A-00205	NA	1.0-5.0	SM/CL/SM/SP	9	9	1907648.01503277	6347423.75188294
5A-00206	NA	1.0-5.0	ML/CL	5	5	1907767.55383569	6347373.76346586
5A-00207	NA	1.0-4.0	ML/SM	4	4	1907833.00613260	6347347.12211494
5A-00208	NA	1.0-5.0	SM/ML/SM	8.5	8.5	1907839.17081843	6347384.64664618
5A-00209	NA	1.0-5.0	SM/ML	5	5	1907841.99561593	6347416.74107019
5A-00210	0.0-0.5	1.0-2.5	SM	2.5	2.5	1907873.52245577	6347459.04479135
5A-00211	0.0-0.5	1.0-3.5	CL	3.5	3.5	1907883.40662235	6347502.43906152
5A-00212	0.0-0.5	1.0-2.0	SM	2	2	1907920.10110277	6347537.05513403
5A-00213	NA	1.0-5.0	SP/SM/ML	9	9	1907936.73427160	6347517.87800702
5A-00214	0.0-0.5	1.0-5.0	SM/ML	9.5	9.5	1907762.09879410	6347493.62444661
5A-00215	0.0-0.5	1.0-5.0	ML/SM	6.5	6.5	1907800.89103936	6347471.63072419
5A-00216	NA	1.0-5.0	SM/ML/SP	6.5	6.5	1907785.55478394	6347514.85931228
5A-00217	0.0-0.5	NA	ML	0.5	NA	1907883.24126835	6347619.49624210
5A-00218	0.0-0.5	NA	ML	0.5	NA	1907840.69312510	6347689.83107519
5A-00219	NA	1.0-2.5	SM	2.5	2.5	1908320.33980361	6348031.05086519
5A-00220	NA	1.0-2.0	SP	2	2	1908312.27912418	6348012.90884110
5A-00221	NA	1.0-4.5	SP	4.5	4.5	1908296.61937860	6348031.68997152
5A-00222	NA	2.5-7.5	SP/SM/SP/SM	7.5	7.5	1908289.11840935	6348002.92231253
5A-00223	NA	1.0-5.0	SP/ML/SP/ML/SM	9.5	9.5	1907866.93421435	6347249.42710036
5A-00224	NA	1.0-5.0	SM/ML	5.5	5.5	1907867.24851818	6347284.37847402

**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00225	NA	1.0-5.0	SP/ML	6	6	1907780.74934736	6347248.66791552
5A-00226	NA	1.0-5.0	SM/CL/ML	7.5	7.5	1907780.18766868	6347202.39635452
5A-00227	NA	1.0-4.0	SM	4	4	1907843.36372344	6347134.29904978
5A-00228	NA	1.0-4.0	SM/SP	4	4	1907825.59505819	6347151.05000052
5A-00229	NA	NA	SM	1.5	1.5	1907787.91796818	6347137.82988260
5A-00231	NA	1.0-3.0	SM	3	3	1907718.51981302	6347143.63006785
5A-00232	NA	1.0-2.5	SM	2.5	2.5	1907687.32302502	6347147.25768527
5A-00233	0.0-0.5	1.0-5.0	ML/SP	10	NA	1907993.78074543	6347150.89612944
5A-00234	NA	1.0-5.0	SM/SP	10	NA	1907964.46649960	6347126.14552277
5A-00235	NA	1.0-5.0	SM/ML/SM/SP	9.5	9.5	1907944.87795611	6347145.00867402
5A-00236	NA	1.0-5.0	SW/ML/SM	10	NA	1907974.62363152	6346934.03107761
5A-00237	NA	1.0-5.0	SW/SM/SP/ML/SM	10	NA	1908081.27335261	6346685.18216586
5A-00238	NA	1.0-2.5	SW/SP	2.5	2.5	1908039.91943268	6346693.88818519
5A-00239	NA	1.0-5.0	SM/ML/SM	5	5	1907502.39098018	6347166.12083652
5A-00240	NA	1.0-5.0	SM/SP	10	NA	1907445.80152644	6347161.04243460
5A-00241	0.0-0.5	NA	ML	0.5	NA	1907541.34300202	6348158.65592494
5A-00242	0.0-0.5	1.0-3.5	ML/SM	3.5	3.5	1907587.41476028	6348182.92556144
5A-00243	NA	1.0-5.0	ML/SM/SP	5.5	5.5	1907561.50897218	6348218.36085802
5A-00244	NA	1.0-5.0, 6.5-11.5	SW/SM/ML/SC/SM/SP	11.5	11.5	1908122.70404401	6346739.24144094
5A-00245	NA	1.0-5.0, 25.0-30.0	SW/SM/SP/SC/SM/SP/SN	30	30	1908056.00634277	6346739.24144094
5A-00246	NA	1.0-5.0, 5.0-10.0	SM/SP/ML/SM/SP	10.5	10.5	1907990.80207685	6346749.69417594
5A-00247	NA	1.0-5.0, 7.0-12.0	SM/ML/SP	12	12	1907964.91958268	6346810.41879202

**Table A.1**  
**Boring Log Summary**  
**Subarea 5A, Round 1**

Sample Location	Surface Collection Interval (ft bgs)	Subsurface Collection Interval (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Northing <sup>1</sup>	Easting <sup>1</sup>
5A-00248	Location not sampled due to utility conflict.					1908043.06509569	6346863.67721569
5A-00249	NA	1.0-5.0	SM/ML/SP	10	NA	1907949.48949544	6347073.72436778
5A-00250	0.0-0.5	1.0-2.0	SW	2	2	1908145.12033777	6346966.84990960
5A-00251	0.0-0.5	1.0-2.5	ML	2.5	2.5	1908152.67019144	6347383.03116386
5A-00252	NA	1.0-5.0	SM/ML	5.5	5.5	1908177.58844869	6347633.25769752
5A-00253	0.0-0.5	1.0-5.0	SM/SC	9	9	1908073.37343402	6347537.27921495
5A-00254	0.0-0.5	1.0-3.5	ML/SM/CH	3.5	3.5	1908062.53881001	6347671.81109811
5A-00255	0.0-0.5	1.0-2.5	SP	2.5	2.5	1908353.11007927	6347951.03101210
5A-00256	0.0-0.5	1.0-2.5	SP	2.5	2.5	1908337.21148902	6347951.41979086
5A-00257	0.0-0.5	1.0-3.5	SM	3.5	3.5	1908321.52746527	6347957.05560636
5A-00258	NA	1.0-5.0	SM/CL	7	7	1908125.12529902	6347948.82268318
5A-00259	NA	1.0-2.0	SM	2	2	1908063.61853227	6347854.43638903

**Notes:**

<sup>1</sup>Northing and easting measured using NAD83 SPZ5 US Feet

<sup>2</sup>No soil disturbance allowed in an Archeological Site no sample collected.

<sup>3</sup>Removed to reduce sample density and adequately characterized by Location 191, no sample collected.

bgs - below ground surface

SP - poorly graded sand

CL - clay

SW - well graded sand

ft - feet

ML - silt

NA - not applicable

SC - clayey sand

SM - silty sand

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00001	30005	Cd-113m	6 U	40	12	3030	0.00 - 0.50
5A-00001	30006	Cd-113m	0.5 U	31	9.4	3030	1.00 - 5.00
5A-00001	30005	Tm-171	0.1 U	4.5	1.4	72.4	0.00 - 0.50
5A-00001	30006	Tm-171	0.04 U	5.3	1.6	72.4	1.00 - 5.00
5A-00001	30005	K-40	21	0.1	1	32.4	0.00 - 0.50
5A-00001	30006	K-40	20.6	0.1	1	32.4	1.00 - 5.00
5A-00001	30005	Ni-59	0 U L	0.24	0.06	8.39	0.00 - 0.50
5A-00001	30006	Ni-59	-0.08 U	0.44	0.12	8.39	1.00 - 5.00
5A-00001	30005	Ni-63	0.19 U	0.55	0.16	4.92	0.00 - 0.50
5A-00001	30006	Ni-63	0.28 U	0.66	0.2	4.92	1.00 - 5.00
5A-00001	30005	Th-228	1.68	0.03	0.086	3.98	0.00 - 0.50
5A-00001	30006	Th-228	1.76	0.026	0.087	3.98	1.00 - 5.00
5A-00001	30005	Th-234	0.321 R	0.15	0.048	3.19	0.00 - 0.50
5A-00001	30006	Th-234	1.43 R	0.12	0.093	3.19	1.00 - 5.00
5A-00001	30005	Th-232	1.23	0.006	0.062	3.1	0.00 - 0.50
5A-00001	30006	Th-232	1.33	0.002	0.066	3.1	1.00 - 5.00
5A-00001	30005	C-14	-0.0027 U	0.032	0.0094	2.96	0.00 - 0.50
5A-00001	30006	C-14	0.026	0.053	0.016	2.96	1.00 - 5.00
5A-00001	30005	Pb-212	1.54	0.023	0.086	2.69	0.00 - 0.50
5A-00001	30006	Pb-212	1.56	0.02	0.087	2.69	1.00 - 5.00
5A-00001	30005	Th-230	0.89	0.007	0.048	2.2	0.00 - 0.50
5A-00001	30006	Th-230	0.901	0.002	0.047	2.2	1.00 - 5.00
5A-00001	30005	Bi-212	1.04	0.14	0.094	2.15	0.00 - 0.50
5A-00001	30006	Bi-212	1.05	0.1	0.079	2.15	1.00 - 5.00
5A-00001	30005	U-233/234	0.611	0.012	0.036	2.02	0.00 - 0.50
5A-00001	30006	U-233/234	0.834	0.013	0.049	2.02	1.00 - 5.00
5A-00001	30005	U-238	0.705	0.003	0.04	1.8	0.00 - 0.50
5A-00001	30006	U-238	0.845	0.01	0.049	1.8	1.00 - 5.00
5A-00001	30005	Pb-214	0.829	0.026	0.044	1.7	0.00 - 0.50
5A-00001	30006	Pb-214	0.927	0.022	0.047	1.7	1.00 - 5.00
5A-00001	30005	Tc-99	-0.087 U	0.32	0.097	1.63	0.00 - 0.50
5A-00001	30006	Tc-99	-0.077 U	0.27	0.081	1.63	1.00 - 5.00
5A-00001	30005	Bi-214	0.758	0.025	0.041	1.59	0.00 - 0.50
5A-00001	30006	Bi-214	0.808	0.019	0.042	1.59	1.00 - 5.00
5A-00001	30005	Tl-208	0.476	0.018	0.026	0.937	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00001	30006	Tl-208	0.465	0.014	0.024	0.937	1.00 - 5.00
5A-00001	30005	Pa-231	-0.26 U	0.57	0.17	0.936	0.00 - 0.50
5A-00001	30006	Pa-231	0.077 U	0.44	0.089	0.936	1.00 - 5.00
5A-00001	30005	Sr-90	0.021 U	0.04	0.012	0.485	0.00 - 0.50
5A-00001	30006	Sr-90	0.003 U	0.044	0.013	0.485	1.00 - 5.00
5A-00001	30005	Sb-125	0.149 SK	0.04	0.013	0.354	0.00 - 0.50
5A-00001	30006	Sb-125	0.128 SK	0.027	0.011	0.354	1.00 - 5.00
5A-00001	30005	Eu-155	0.073 SK	0.032	0.013	0.231	0.00 - 0.50
5A-00001	30006	Eu-155	0.063 SK	0.027	0.011	0.231	1.00 - 5.00
5A-00001	30005	Ac-227	0.018 U	0.14	0.049	0.217	0.00 - 0.50
5A-00001	30006	Ac-227	0.045 U	0.11	0.041	0.217	1.00 - 5.00
5A-00001	30005	Cs-137	0.0012 U	0.016	0.0047	0.207	0.00 - 0.50
5A-00001	30006	Cs-137	0.0026 U	0.0073	0.0022	0.207	1.00 - 5.00
5A-00001	30005	U-235/236	0.039	0.0099	0.0077	0.151	0.00 - 0.50
5A-00001	30006	U-235/236	0.0474	0.012	0.0095	0.151	1.00 - 5.00
5A-00001	30005	Eu-154	-0.0063 U	0.1	0.0056	0.15	0.00 - 0.50
5A-00001	30006	Eu-154	0.012 U	0.066	0.011	0.15	1.00 - 5.00
5A-00001	30005	Th-229	0.0087	0.0094	0.0038	0.145	0.00 - 0.50
5A-00001	30006	Th-229	0.0111	0.011	0.0045	0.145	1.00 - 5.00
5A-00001	30005	Np-239	-0.015 U	0.084	0.025	0.139	0.00 - 0.50
5A-00001	30006	Np-239	0.003 U	0.067	0.02	0.139	1.00 - 5.00
5A-00001	30005	Cs-134	0.0107 U J	0.051	0.0037	0.0864	0.00 - 0.50
5A-00001	30006	Cs-134	0.0143 U	0.036	0.0042	0.0864	1.00 - 5.00
5A-00001	30005	Te-125m	0.0345 SK	0.0092	0.003	0.0838	0.00 - 0.50
5A-00001	30006	Te-125m	0.0296 SK	0.0063	0.0026	0.0838	1.00 - 5.00
5A-00001	30005	Eu-152	0.0078 U	0.038	0.0082	0.0566	0.00 - 0.50
5A-00001	30006	Eu-152	0.003 U	0.029	0.011	0.0566	1.00 - 5.00
5A-00001	30005	Np-236	0.0037 U	0.029	0.0089	0.047	0.00 - 0.50
5A-00001	30006	Np-236	-0.0004 U	0.023	0.007	0.047	1.00 - 5.00
5A-00001	30005	Am-241	0.0018 U	0.0025	0.0013	0.0454	0.00 - 0.50
5A-00001	30006	Am-241	0.0009 U	0.007	0.0016	0.0454	1.00 - 5.00
5A-00001	30005	Cm-243/244	-0.0018 U	0.011	0.0023	0.0443	0.00 - 0.50
5A-00001	30006	Cm-243/244	0.001 U	0.0026	0.001	0.0443	1.00 - 5.00
5A-00001	30005	Ho-166m	0.0184 SK	0.018	0.0062	0.0432	0.00 - 0.50
5A-00001	30006	Ho-166m	0.0032 U J	0.018	0.0033	0.0432	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00001	30005	Pu-238	-0.0012 U	0.0079	0.0013	0.0415	0.00 - 0.50
5A-00001	30006	Pu-238	0.0063	0.0057	0.0022	0.0415	1.00 - 5.00
5A-00001	30005	Pu-239/240	-0.0005 U	0.0051	0.0005	0.0404	0.00 - 0.50
5A-00001	30006	Pu-239/240	0.0005 U	0.0049	0.0012	0.0404	1.00 - 5.00
5A-00001	30005	Cm-245/246	0.0015 U	0.0041	0.0015	0.0401	0.00 - 0.50
5A-00001	30006	Cm-245/246	-0.002 U	0.011	0.002	0.0401	1.00 - 5.00
5A-00001	30005	Na-22	0.0005 U	0.024	0.0072	0.037	0.00 - 0.50
5A-00001	30006	Na-22	0.0001 U	0.017	0.0052	0.037	1.00 - 5.00
5A-00001	30005	Pu-244	0.0017	0.0023	0.0012	0.0313	0.00 - 0.50
5A-00001	30006	Pu-244	0.0005 U	0.0038	0.0009	0.0313	1.00 - 5.00
5A-00001	30005	Cm-247/248	0.0021 U	0.0089	0.0023	0.0306	0.00 - 0.50
5A-00001	30006	Cm-247/248	0 U	0.0071	0.0014	0.0306	1.00 - 5.00
5A-00001	30005	Co-60	-0.0034 U	0.02	0.0061	0.028	0.00 - 0.50
5A-00001	30006	Co-60	0.0001 U	0.011	0.0032	0.028	1.00 - 5.00
5A-00001	30005	Sn-126	-0.0013 U	0.016	0.0047	0.0237	0.00 - 0.50
5A-00001	30006	Sn-126	0.0015 U	0.011	0.0034	0.0237	1.00 - 5.00
5A-00001	30005	Nb-94	0.0028 U	0.013	0.0029	0.0214	0.00 - 0.50
5A-00001	30006	Nb-94	0.005 SK	0.0099	0.0022	0.0214	1.00 - 5.00
5A-00002	30007	Cd-113m	-0.3 U	32	9.5	3030	0.00 - 0.50
5A-00002	30007	Tm-171	-2.6 U	4.8	1.5	72.4	0.00 - 0.50
5A-00002	30007	K-40	20.8	0.1	1.1	32.4	0.00 - 0.50
5A-00002	30007	Ni-59	0 U L	0.24	0.062	8.39	0.00 - 0.50
5A-00002	30007	Ni-63	0.23 U	0.55	0.17	4.92	0.00 - 0.50
5A-00002	30007	Th-228	1.84	0.027	0.094	3.98	0.00 - 0.50
5A-00002	30007	Th-234	0.235 R	0.13	0.041	3.19	0.00 - 0.50
5A-00002	30007	Th-232	1.28	0.008	0.066	3.1	0.00 - 0.50
5A-00002	30007	C-14	-0.0004 U	0.041	0.012	2.96	0.00 - 0.50
5A-00002	30007	Pb-212	1.52	0.021	0.0997	2.69	0.00 - 0.50
5A-00002	30007	Th-230	0.691	0.003	0.04	2.2	0.00 - 0.50
5A-00002	30007	Bi-212	0.972	0.1	0.077	2.15	0.00 - 0.50
5A-00002	30007	U-233/234	0.589	0.008	0.034	2.02	0.00 - 0.50
5A-00002	30007	U-238	0.577	0.006	0.033	1.8	0.00 - 0.50
5A-00002	30007	Pb-214	0.696	0.018	0.038	1.7	0.00 - 0.50
5A-00002	30007	Tc-99	-0.072 U	0.27	0.081	1.63	0.00 - 0.50
5A-00002	30007	Bi-214	0.629	0.02	0.035	1.59	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00002	30007	Tl-208	0.464	0.013	0.025	0.937	0.00 - 0.50
5A-00002	30007	Pa-231	0.04 U	0.42	0.13	0.936	0.00 - 0.50
5A-00002	30007	Sr-90	0.006 U	0.041	0.012	0.485	0.00 - 0.50
5A-00002	30007	Sb-125	0.114 SK	0.032	0.0094	0.354	0.00 - 0.50
5A-00002	30007	Eu-155	0.082 SK	0.03	0.013	0.231	0.00 - 0.50
5A-00002	30007	Ac-227	0.392 RZ	0.1	0.025	0.217	0.00 - 0.50
5A-00002	30007	Cs-137	-0.0026 U	0.011	0.0034	0.207	0.00 - 0.50
5A-00002	30007	U-235/236	0.0306	0.003	0.0059	0.151	0.00 - 0.50
5A-00002	30007	Eu-154	0.0061 U	0.072	0.0086	0.15	0.00 - 0.50
5A-00002	30007	Th-229	0.0029 U	0.017	0.0045	0.145	0.00 - 0.50
5A-00002	30007	Np-239	-0.006 U	0.07	0.021	0.139	0.00 - 0.50
5A-00002	30007	Cs-134	0.013 U J	0.034	0.0035	0.0864	0.00 - 0.50
5A-00002	30007	Te-125m	0.0264 SK	0.0073	0.0022	0.0838	0.00 - 0.50
5A-00002	30007	Eu-152	-0.0123 U	0.03	0.0091	0.0566	0.00 - 0.50
5A-00002	30007	Np-236	-0.0001 U	0.024	0.0072	0.047	0.00 - 0.50
5A-00002	30007	Am-241	-0.003 U	0.012	0.0023	0.0454	0.00 - 0.50
5A-00002	30007	Cm-243/244	0 U	0.0028	0.001	0.0443	0.00 - 0.50
5A-00002	30007	Ho-166m	0.0075 U	0.018	0.0061	0.0432	0.00 - 0.50
5A-00002	30007	Pu-238	-0.0011 U	0.0069	0.0008	0.0415	0.00 - 0.50
5A-00002	30007	Pu-239/240	0.0036	0.0068	0.0023	0.0404	0.00 - 0.50
5A-00002	30007	Cm-245/246	0.0017 U	0.0022	0.0012	0.0401	0.00 - 0.50
5A-00002	30007	Na-22	0.0033 U	0.018	0.0054	0.037	0.00 - 0.50
5A-00002	30007	Pu-244	0.0054	0.0068	0.0026	0.0313	0.00 - 0.50
5A-00002	30007	Cm-247/248	0.0008 U	0.0022	0.0008	0.0306	0.00 - 0.50
5A-00002	30007	Co-60	0.0008 U	0.014	0.004	0.028	0.00 - 0.50
5A-00002	30007	Sn-126	0.0033 U	0.011	0.0034	0.0237	0.00 - 0.50
5A-00002	30007	Nb-94	0.0031 U	0.01	0.0022	0.0214	0.00 - 0.50
5A-00003	30009	Cd-113m	-2.4 U	32	9.6	3030	0.00 - 0.50
5A-00003	30010	Cd-113m	7.25 U	89.2	26.3	3030	1.00 - 3.00
5A-00003	30009	Tm-171	-3.4 U J	4.7	1.4	72.4	0.00 - 0.50
5A-00003	30010	Tm-171	0.599 U	11.5	3.77	72.4	1.00 - 3.00
5A-00003	30009	K-40	22.2	0.1	1.1	32.4	0.00 - 0.50
5A-00003	30010	K-40	23.1	0.0895	1.4	32.4	1.00 - 3.00
5A-00003	30009	Ni-59	0 U L	0.21	0.054	8.39	0.00 - 0.50
5A-00003	30010	Ni-59	0.353 UJ	2.49	0.67	8.39	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00003	30009	Ni-63	0.12 U	0.5	0.15	4.92	0.00 - 0.50
5A-00003	30010	Ni-63	-0.171 U	0.981	0.292	4.92	1.00 - 3.00
5A-00003	30009	Th-228	1.66	0.022	0.082	3.98	0.00 - 0.50
5A-00003	30010	Th-228	1.6	0.117	0.147	3.98	1.00 - 3.00
5A-00003	30009	Th-234	0.282 R	0.14	0.045	3.19	0.00 - 0.50
5A-00003	30010	Th-234	1.58	0.205	0.142	3.19	1.00 - 3.00
5A-00003	30009	Th-232	1.23	0.002	0.061	3.1	0.00 - 0.50
5A-00003	30010	Th-232	1.18	0.0582	0.11	3.1	1.00 - 3.00
5A-00003	30009	C-14	-0.0049 U	0.033	0.0097	2.96	0.00 - 0.50
5A-00003	30010	C-14	-0.0714 U	0.865	0.257	2.96	1.00 - 3.00
5A-00003	30009	Pb-212	1.57	0.02	0.1	2.69	0.00 - 0.50
5A-00003	30010	Pb-212	1.56	0.0255	0.0923	2.69	1.00 - 3.00
5A-00003	30009	Th-230	0.916	0.006	0.047	2.2	0.00 - 0.50
5A-00003	30010	Th-230	0.986	0.0583	0.0977	2.2	1.00 - 3.00
5A-00003	30009	Bi-212	1	0.11	0.077	2.15	0.00 - 0.50
5A-00003	30010	Bi-212	0.986	0.112	0.0737	2.15	1.00 - 3.00
5A-00003	30009	U-233/234	0.717	0.009	0.043	2.02	0.00 - 0.50
5A-00003	30010	U-233/234	0.85	0.0406	0.0832	2.02	1.00 - 3.00
5A-00003	30009	U-238	0.732	0.003	0.043	1.8	0.00 - 0.50
5A-00003	30010	U-238	0.792	0.0102	0.0783	1.8	1.00 - 3.00
5A-00003	30009	Pb-214	0.879	0.022	0.048	1.7	0.00 - 0.50
5A-00003	30010	Pb-214	0.902	0.0232	0.0428	1.7	1.00 - 3.00
5A-00003	30009	Tc-99	-0.12 U	0.34	0.1	1.63	0.00 - 0.50
5A-00003	30010	Tc-99	0.2 U	1.41	0.418	1.63	1.00 - 3.00
5A-00003	30009	Bi-214	0.791	0.021	0.043	1.59	0.00 - 0.50
5A-00003	30010	Bi-214	0.801	0.0212	0.037	1.59	1.00 - 3.00
5A-00003	30009	Tl-208	0.467	0.017	0.026	0.937	0.00 - 0.50
5A-00003	30010	Tl-208	0.452	0.0138	0.0251	0.937	1.00 - 3.00
5A-00003	30009	Pa-231	0.04 U	0.48	0.14	0.936	0.00 - 0.50
5A-00003	30010	Pa-231	0.074 U	0.549	0.163	0.936	1.00 - 3.00
5A-00003	30009	Sr-90	0.028	0.036	0.011	0.485	0.00 - 0.50
5A-00003	30010	Sr-90	0.203 K	0.268	0.0873	0.485	1.00 - 3.00
5A-00003	30009	Sb-125	0.141 SK	0.035	0.011	0.354	0.00 - 0.50
5A-00003	30010	Sb-125	-0.0032 U	0.0345	0.0106	0.354	1.00 - 3.00
5A-00003	30009	Eu-155	0.072 SK	0.031	0.014	0.231	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00003	30010	Eu-155	0.145 SK	0.0478	0.0242	0.231	1.00 - 3.00
5A-00003	30009	Ac-227	0.005 U	0.096	0.029	0.217	0.00 - 0.50
5A-00003	30010	Ac-227	-0.0297 U J	0.131	0.0394	0.217	1.00 - 3.00
5A-00003	30009	Cs-137	-0.003 U	0.012	0.0035	0.207	0.00 - 0.50
5A-00003	30010	Cs-137	0.008	0.0128	0.0033	0.207	1.00 - 3.00
5A-00003	30009	U-235/236	0.0314	0.015	0.0078	0.151	0.00 - 0.50
5A-00003	30010	U-235/236	0.0699	0.0126	0.0187	0.151	1.00 - 3.00
5A-00003	30009	Eu-154	-0.031 U	0.082	0.025	0.15	0.00 - 0.50
5A-00003	30010	Eu-154	-0.0768 U J	0.0732	0.0289	0.15	1.00 - 3.00
5A-00003	30009	Th-229	0.0022 U	0.01	0.0027	0.145	0.00 - 0.50
5A-00003	30010	Th-229	0.0189 U	0.0756	0.0209	0.145	1.00 - 3.00
5A-00003	30009	Np-239	0.006 U	0.074	0.022	0.139	0.00 - 0.50
5A-00003	30010	Np-239	0.0352 U	0.0884	0.0271	0.139	1.00 - 3.00
5A-00003	30009	Cs-134	0.0212 U J	0.045	0.0068	0.0864	0.00 - 0.50
5A-00003	30010	Cs-134	0.0005 U	0.0119	0.004	0.0864	1.00 - 3.00
5A-00003	30009	Te-125m	0.0326 SK	0.008	0.0025	0.0838	0.00 - 0.50
5A-00003	30009	Eu-152	0.0123 U	0.032	0.0069	0.0566	0.00 - 0.50
5A-00003	30010	Eu-152	0.0024 U	0.0329	0.0121	0.0566	1.00 - 3.00
5A-00003	30009	Np-236	0.0014 U	0.027	0.0081	0.047	0.00 - 0.50
5A-00003	30010	Np-236	-0.0118 U	0.0246	0.008	0.047	1.00 - 3.00
5A-00003	30009	Am-241	0.002 U	0.0093	0.0025	0.0454	0.00 - 0.50
5A-00003	30010	Am-241	0.0015 U	0.0138	0.0033	0.0454	1.00 - 3.00
5A-00003	30010	Pu-236	-0.004 U	0.0186	0.0035	0.0448	1.00 - 3.00
5A-00003	30009	Cm-243/244	0 U	0.0075	0.0014	0.0443	0.00 - 0.50
5A-00003	30010	Cm-243/244	0 U	0.0163	0.0037	0.0443	1.00 - 3.00
5A-00003	30009	Ho-166m	0.0105 SK	0.019	0.0062	0.0432	0.00 - 0.50
5A-00003	30010	Ho-166m	-0.0082 U	0.0188	0.0061	0.0432	1.00 - 3.00
5A-00003	30009	Pu-238	0.0009 U	0.0023	0.0009	0.0415	0.00 - 0.50
5A-00003	30010	Pu-238	-0.0035 U	0.023	0.005	0.0415	1.00 - 3.00
5A-00003	30009	Pu-239/240	0.002	0.005	0.0015	0.0404	0.00 - 0.50
5A-00003	30010	Pu-239/240	-0.0018 U	0.0188	0.0039	0.0404	1.00 - 3.00
5A-00003	30009	Cm-245/246	0.0018 U	0.0024	0.0013	0.0401	0.00 - 0.50
5A-00003	30009	Na-22	0.0003 U	0.019	0.0057	0.037	0.00 - 0.50
5A-00003	30010	Na-22	-0.0046 U	0.0173	0.0054	0.037	1.00 - 3.00
5A-00003	30009	Pu-244	0.0017	0.0023	0.0012	0.0313	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00003	30010	Pu-244	0.0087	0.0047	0.0039	0.0313	1.00 - 3.00
5A-00003	30009	Cm-247/248	0 U	0.0064	0.0012	0.0306	0.00 - 0.50
5A-00003	30009	Co-60	-0.0042 U	0.016	0.0049	0.028	0.00 - 0.50
5A-00003	30010	Co-60	-0.0055 U	0.0138	0.0044	0.028	1.00 - 3.00
5A-00003	30009	Sn-126	0.004 U	0.011	0.0034	0.0237	0.00 - 0.50
5A-00003	30010	Sn-126	-0.0011 U	0.0124	0.0037	0.0237	1.00 - 3.00
5A-00003	30009	Nb-94	0.0014 U	0.011	0.0012	0.0214	0.00 - 0.50
5A-00003	30010	Nb-94	0.0094 JSK	0.0115	0.004	0.0214	1.00 - 3.00
5A-00004	30011	Cd-113m	-60.2 U	144	47.2	3030	0.00 - 0.50
5A-00004	30011	Tm-171	-14.6 U	24.4	8.91	72.4	0.00 - 0.50
5A-00004	30011	K-40	23.2	0.147	1.44	32.4	0.00 - 0.50
5A-00004	30011	Ni-59	0.743 U	4.51	1.18	8.39	0.00 - 0.50
5A-00004	30011	Ni-63	0.0203 U	1.56	0.464	4.92	0.00 - 0.50
5A-00004	30011	Th-228	1.81	0.0226	0.173	3.98	0.00 - 0.50
5A-00004	30011	Th-234	1.4	0.347	0.18	3.19	0.00 - 0.50
5A-00004	30011	Th-232	1.22	0.019	0.124	3.1	0.00 - 0.50
5A-00004	30011	C-14	0 U	0.867	0.26	2.96	0.00 - 0.50
5A-00004	30011	Pb-212	1.63	0.043	0.108	2.69	0.00 - 0.50
5A-00004	30011	Th-230	0.867	0.0191	0.0974	2.2	0.00 - 0.50
5A-00004	30011	Bi-212	1.02	0.174	0.109	2.15	0.00 - 0.50
5A-00004	30011	U-233/234	0.692	0.0237	0.0637	2.02	0.00 - 0.50
5A-00004	30011	U-238	0.688	0.0069	0.0632	1.8	0.00 - 0.50
5A-00004	30011	Pb-214	0.919	0.0356	0.0486	1.7	0.00 - 0.50
5A-00004	30011	Tc-99	0.42 U	1.14	0.345	1.63	0.00 - 0.50
5A-00004	30011	Bi-214	0.803	0.0313	0.0396	1.59	0.00 - 0.50
5A-00004	30011	Tl-208	0.484	0.0217	0.028	0.937	0.00 - 0.50
5A-00004	30011	Pa-231	0.0125 U	0.883	0.284	0.936	0.00 - 0.50
5A-00004	30011	Sr-90	0.0927 U	0.277	0.0817	0.485	0.00 - 0.50
5A-00004	30011	Sb-125	0.0001 U	0.0534	0.0159	0.354	0.00 - 0.50
5A-00004	30011	Eu-155	0.0696 SK	0.0842	0.0293	0.231	0.00 - 0.50
5A-00004	30011	Ac-227	-0.0488 U	0.214	0.0676	0.217	0.00 - 0.50
5A-00004	30011	Cs-137	-0.004	0.0188	0.0056	0.207	0.00 - 0.50
5A-00004	30011	U-235/236	0.0567	0.0232	0.0146	0.151	0.00 - 0.50
5A-00004	30011	Eu-154	0.018 U	0.117	0.035	0.15	0.00 - 0.50
5A-00004	30011	Th-229	0.0282	0.052	0.0174	0.145	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00004	30011	Np-239	-0.0518 U	0.139	0.0448	0.139	0.00 - 0.50
5A-00004	30011	Cs-134	-0.0058 U	0.019	0.0067	0.0864	0.00 - 0.50
5A-00004	30011	Eu-152	0.0129 U	0.0518	0.0187	0.0566	0.00 - 0.50
5A-00004	30011	Np-236	-0.0072 U	0.0418	0.0126	0.047	0.00 - 0.50
5A-00004	30011	Am-241	0.007 U	0.0297	0.0079	0.0454	0.00 - 0.50
5A-00004	30011	Pu-236	-0.0139 U	0.048	0.0113	0.0448	0.00 - 0.50
5A-00004	30011	Cm-243/244	0.0018 U	0.0199	0.004	0.0443	0.00 - 0.50
5A-00004	30011	Ho-166m	-0.0033 U	0.0284	0.0084	0.0432	0.00 - 0.50
5A-00004	30011	Pu-238	0.008 U	0.0391	0.011	0.0415	0.00 - 0.50
5A-00004	30011	Pu-239/240	0.01	0.0147	0.0053	0.0404	0.00 - 0.50
5A-00004	30011	Na-22	-0.0032 U	0.0284	0.0084	0.037	0.00 - 0.50
5A-00004	30011	Pu-244	0.01	0.0054	0.0045	0.0313	0.00 - 0.50
5A-00004	30011	Co-60	0.0022 U	0.0207	0.006	0.028	0.00 - 0.50
5A-00004	30011	Sn-126	0.0084 U	0.019	0.0058	0.0237	0.00 - 0.50
5A-00004	30011	Nb-94	0.0065 U	0.0165	0.005	0.0214	0.00 - 0.50
5A-00005	30013	Cd-113m	10.1 U	33	9.9	3030	0.00 - 0.50
5A-00005	30014	Cd-113m	-103 U J	118	44.7	3030	1.00 - 4.50
5A-00005	30013	Tm-171	-6.8 U J	4.6	1.5	72.4	0.00 - 0.50
5A-00005	30014	Tm-171	-22.5 U J	19.5	8.57	72.4	1.00 - 4.50
5A-00005	30013	K-40	22	0.1	1.1	32.4	0.00 - 0.50
5A-00005	30014	K-40	24	0.116	1.48	32.4	1.00 - 4.50
5A-00005	30013	Ni-59	0 U L	0.22	0.056	8.39	0.00 - 0.50
5A-00005	30014	Ni-59	1.06 UJ	3.72	0.896	8.39	1.00 - 4.50
5A-00005	30013	Ni-63	0.15 U	0.53	0.16	4.92	0.00 - 0.50
5A-00005	30014	Ni-63	-0.497 U	1.12	0.325	4.92	1.00 - 4.50
5A-00005	30013	Th-228	1.59	0.022	0.081	3.98	0.00 - 0.50
5A-00005	30014	Th-228	1.79	0.0614	0.161	3.98	1.00 - 4.50
5A-00005	30013	Th-234	0.554 R	0.13	0.052	3.19	0.00 - 0.50
5A-00005	30014	Th-234	2.16	0.296	0.195	3.19	1.00 - 4.50
5A-00005	30013	Th-232	1.14	0.003	0.058	3.1	0.00 - 0.50
5A-00005	30014	Th-232	1.43	0.0626	0.13	3.1	1.00 - 4.50
5A-00005	30013	C-14	0.03	0.035	0.011	2.96	0.00 - 0.50
5A-00005	30014	C-14	-0.0218 U	0.879	0.262	2.96	1.00 - 4.50
5A-00005	30013	Pb-212	1.56	0.02	0.1	2.69	0.00 - 0.50
5A-00005	30014	Pb-212	2.04	0.0345	0.134	2.69	1.00 - 4.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00005	30013	Th-230	0.861	0.003	0.046	2.2	0.00 - 0.50
5A-00005	30014	Th-230	1.3	0.0497	0.121	2.2	1.00 - 4.50
5A-00005	30013	Bi-212	1.08	0.12	0.089	2.15	0.00 - 0.50
5A-00005	30014	Bi-212	1.21	0.134	0.0934	2.15	1.00 - 4.50
5A-00005	30013	U-233/234	0.659	0.011	0.04	2.02	0.00 - 0.50
5A-00005	30014	U-233/234	1.02	0.0256	0.0937	2.02	1.00 - 4.50
5A-00005	30013	U-238	0.724	0.009	0.043	1.8	0.00 - 0.50
5A-00005	30014	U-238	1.16	0.0256	0.104	1.8	1.00 - 4.50
5A-00005	30013	Pb-214	0.887	0.023	0.049	1.7	0.00 - 0.50
5A-00005	30014	Pb-214	1.23	0.03	0.0609	1.7	1.00 - 4.50
5A-00005	30013	Tc-99	-0.032 U	0.28	0.084	1.63	0.00 - 0.50
5A-00005	30014	Tc-99	-0.0551 U	1.15	0.337	1.63	1.00 - 4.50
5A-00005	30013	Bi-214	0.778	0.022	0.043	1.59	0.00 - 0.50
5A-00005	30014	Bi-214	1.07	0.0258	0.0482	1.59	1.00 - 4.50
5A-00005	30013	Tl-208	0.47	0.016	0.026	0.937	0.00 - 0.50
5A-00005	30014	Tl-208	0.596	0.0171	0.0317	0.937	1.00 - 4.50
5A-00005	30013	Pa-231	0.04 U	0.48	0.14	0.936	0.00 - 0.50
5A-00005	30014	Pa-231	-0.429 U	0.725	0.251	0.936	1.00 - 4.50
5A-00005	30013	Sr-90	0.025 U	0.058	0.018	0.485	0.00 - 0.50
5A-00005	30014	Sr-90	-0.0505 U K	0.182	0.0434	0.485	1.00 - 4.50
5A-00005	30013	Sb-125	0.0258 SK	0.023	0.0091	0.354	0.00 - 0.50
5A-00005	30014	Sb-125	0.0107 U	0.044	0.0133	0.354	1.00 - 4.50
5A-00005	30013	Eu-155	0.0516 SK	0.028	0.0093	0.231	0.00 - 0.50
5A-00005	30014	Eu-155	0.103 SK	0.0695	0.0242	0.231	1.00 - 4.50
5A-00005	30013	Ac-227	0.05 U	0.12	0.013	0.217	0.00 - 0.50
5A-00005	30014	Ac-227	-0.065 U J	0.177	0.0576	0.217	1.00 - 4.50
5A-00005	30013	Cs-137	0.0035 U	0.013	0.0038	0.207	0.00 - 0.50
5A-00005	30014	Cs-137	0.0029 U	0.0148	0.005	0.207	1.00 - 4.50
5A-00005	30013	U-235/236	0.0307	0.011	0.0073	0.151	0.00 - 0.50
5A-00005	30014	U-235/236	0.0558	0.0116	0.016	0.151	1.00 - 4.50
5A-00005	30013	Eu-154	0.047 K R	0.065	0.019	0.15	0.00 - 0.50
5A-00005	30014	Eu-154	0.0509 J	0.0906	0.0332	0.15	1.00 - 4.50
5A-00005	30013	Th-229	0 U	0.0097	0.0022	0.145	0.00 - 0.50
5A-00005	30014	Th-229	-0.0068 U	0.0888	0.0203	0.145	1.00 - 4.50
5A-00005	30013	Np-239	-0.0002 U	0.076	0.023	0.139	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00005	30014	Np-239	0.0284 U	0.119	0.0372	0.139	1.00 - 4.50
5A-00005	30013	Cs-134	0.0123 U J	0.045	0.0039	0.0864	0.00 - 0.50
5A-00005	30014	Cs-134	0.0036 U	0.0148	0.005	0.0864	1.00 - 4.50
5A-00005	30013	Te-125m	0.006 SK	0.0054	0.0021	0.0838	0.00 - 0.50
5A-00005	30013	Eu-152	-0.0088 U	0.031	0.0093	0.0566	0.00 - 0.50
5A-00005	30014	Eu-152	-0.0055 U	0.0436	0.0144	0.0566	1.00 - 4.50
5A-00005	30013	Np-236	-0.0018 U	0.025	0.0075	0.047	0.00 - 0.50
5A-00005	30014	Np-236	-0.0004 U	0.0352	0.0109	0.047	1.00 - 4.50
5A-00005	30013	Am-241	0.0009 U	0.0068	0.0016	0.0454	0.00 - 0.50
5A-00005	30014	Am-241	0.0113	0.0051	0.0047	0.0454	1.00 - 4.50
5A-00005	30014	Pu-236	-0.0021 U	0.0332	0.0081	0.0448	1.00 - 4.50
5A-00005	30013	Cm-243/244	0.0009 U	0.0087	0.0021	0.0443	0.00 - 0.50
5A-00005	30014	Cm-243/244	0.0039 U	0.0179	0.0047	0.0443	1.00 - 4.50
5A-00005	30013	Ho-166m	0.009 U	0.019	0.0048	0.0432	0.00 - 0.50
5A-00005	30014	Ho-166m	0.0065 U	0.0239	0.0072	0.0432	1.00 - 4.50
5A-00005	30013	Pu-238	0.0033	0.0022	0.0016	0.0415	0.00 - 0.50
5A-00005	30014	Pu-238	0.0018 U	0.017	0.0041	0.0415	1.00 - 4.50
5A-00005	30013	Pu-239/240	0.0016	0.0022	0.0011	0.0404	0.00 - 0.50
5A-00005	30014	Pu-239/240	0.0073	0.0134	0.0045	0.0404	1.00 - 4.50
5A-00005	30013	Cm-245/246	-0.0018 U	0.0095	0.0018	0.0401	0.00 - 0.50
5A-00005	30013	Na-22	0.0003 U	0.019	0.0056	0.037	0.00 - 0.50
5A-00005	30014	Na-22	0.0088 U	0.0213	0.0072	0.037	1.00 - 4.50
5A-00005	30013	Pu-244	0.0008 U	0.0022	0.0008	0.0313	0.00 - 0.50
5A-00005	30014	Pu-244	0.0018	0.0049	0.0018	0.0313	1.00 - 4.50
5A-00005	30013	Cm-247/248	0 U	0.0023	0.0009	0.0306	0.00 - 0.50
5A-00005	30013	Co-60	-0.0005 U	0.015	0.0045	0.028	0.00 - 0.50
5A-00005	30014	Co-60	-0.0014 U	0.0165	0.0049	0.028	1.00 - 4.50
5A-00005	30013	Sn-126	0.0031 U	0.012	0.0037	0.0237	0.00 - 0.50
5A-00005	30014	Sn-126	0.0055 U	0.0156	0.0047	0.0237	1.00 - 4.50
5A-00005	30013	Nb-94	0.0107 SK	0.0081	0.0036	0.0214	0.00 - 0.50
5A-00005	30014	Nb-94	0.0059 U	0.0139	0.0043	0.0214	1.00 - 4.50
5A-00006	30015	Cd-113m	7.2 U	32	9.8	3030	0.00 - 0.50
5A-00006	30016	Cd-113m	31.8 U	88.9	26.8	3030	1.00 - 3.00
5A-00006	30015	Tm-171	-1.1 U	7	2.1	72.4	0.00 - 0.50
5A-00006	30016	Tm-171	-0.475 U	9.82	3.27	72.4	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00006	30015	K-40	21.7	0.1	1.1	32.4	0.00 - 0.50
5A-00006	30016	K-40	21.8	0.0864	1.21	32.4	1.00 - 3.00
5A-00006	30015	Ni-59	0 U L	0.19	0.049	8.39	0.00 - 0.50
5A-00006	30016	Ni-59	-0.0989 UJ	1.49	0.408	8.39	1.00 - 3.00
5A-00006	30015	Ni-63	0.25	0.48	0.15	4.92	0.00 - 0.50
5A-00006	30016	Ni-63	-0.0643 U	1.18	0.354	4.92	1.00 - 3.00
5A-00006	30015	Th-228	1.61	0.02	0.083	3.98	0.00 - 0.50
5A-00006	30016	Th-228	1.56	0.107	0.143	3.98	1.00 - 3.00
5A-00006	30015	Th-234	0.44 R	0.17	0.058	3.19	0.00 - 0.50
5A-00006	30016	Th-234	1.64	0.195	0.14	3.19	1.00 - 3.00
5A-00006	30015	Th-232	1.23	0.008	0.063	3.1	0.00 - 0.50
5A-00006	30016	Th-232	1.26	0.0452	0.114	3.1	1.00 - 3.00
5A-00006	30015	C-14	0.0276	0.03	0.0095	2.96	0.00 - 0.50
5A-00006	30016	C-14	0.322 U	0.867	0.263	2.96	1.00 - 3.00
5A-00006	30015	Pb-212	1.66	0.026	0.082	2.69	0.00 - 0.50
5A-00006	30016	Pb-212	1.67	0.0263	0.0972	2.69	1.00 - 3.00
5A-00006	30015	Th-230	0.878	0.003	0.048	2.2	0.00 - 0.50
5A-00006	30016	Th-230	0.93	0.0572	0.0934	2.2	1.00 - 3.00
5A-00006	30015	Bi-212	1.14	0.15	0.1	2.15	0.00 - 0.50
5A-00006	30016	Bi-212	1.08	0.0994	0.072	2.15	1.00 - 3.00
5A-00006	30015	U-233/234	0.9	0.013	0.05	2.02	0.00 - 0.50
5A-00006	30016	U-233/234	0.717	0.0404	0.0732	2.02	1.00 - 3.00
5A-00006	30015	U-238	0.942	0.009	0.052	1.8	0.00 - 0.50
5A-00006	30016	U-238	0.884	0.0102	0.0851	1.8	1.00 - 3.00
5A-00006	30015	Pb-214	0.987	0.026	0.057	1.7	0.00 - 0.50
5A-00006	30016	Pb-214	1.06	0.0222	0.0482	1.7	1.00 - 3.00
5A-00006	30015	Tc-99	-0.038 U	0.27	0.083	1.63	0.00 - 0.50
5A-00006	30016	Tc-99	0.309 U	1.24	0.372	1.63	1.00 - 3.00
5A-00006	30015	Bi-214	0.89	0.027	0.047	1.59	0.00 - 0.50
5A-00006	30016	Bi-214	0.928	0.0202	0.0412	1.59	1.00 - 3.00
5A-00006	30015	Tl-208	0.569	0.02	0.031	0.937	0.00 - 0.50
5A-00006	30016	Tl-208	0.54	0.0131	0.0283	0.937	1.00 - 3.00
5A-00006	30015	Pa-231	0.088 U	0.58	0.065	0.936	0.00 - 0.50
5A-00006	30016	Pa-231	-0.0799 U	0.541	0.16	0.936	1.00 - 3.00
5A-00006	30015	Sr-90	0.008 U	0.069	0.02	0.485	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00006	30016	Sr-90	-0.0656 U K	0.193	0.0467	0.485	1.00 - 3.00
5A-00006	30015	Sb-125	0.16 SK	0.045	0.014	0.354	0.00 - 0.50
5A-00006	30016	Sb-125	0.0308 JSK	0.0339	0.0122	0.354	1.00 - 3.00
5A-00006	30015	Eu-155	0.077 SK	0.036	0.015	0.231	0.00 - 0.50
5A-00006	30016	Eu-155	0.0859 SK	0.0475	0.0208	0.231	1.00 - 3.00
5A-00006	30015	Ac-227	0.041 U	0.14	0.038	0.217	0.00 - 0.50
5A-00006	30016	Ac-227	0.0175 U J	0.134	0.0391	0.217	1.00 - 3.00
5A-00006	30015	Cs-137	-0.0117 U J	0.017	0.0052	0.207	0.00 - 0.50
5A-00006	30016	Cs-137	0.0005 U	0.0112	0.0039	0.207	1.00 - 3.00
5A-00006	30015	U-235/236	0.0606	0.0041	0.0099	0.151	0.00 - 0.50
5A-00006	30016	U-235/236	0.0278	0.0341	0.0132	0.151	1.00 - 3.00
5A-00006	30015	Eu-154	-0.036 U	0.1	0.031	0.15	0.00 - 0.50
5A-00006	30016	Eu-154	-0.0435 U	0.0649	0.0253	0.15	1.00 - 3.00
5A-00006	30015	Th-229	0.0019 U	0.0071	0.0019	0.145	0.00 - 0.50
5A-00006	30016	Th-229	0.0185 U	0.0574	0.0164	0.145	1.00 - 3.00
5A-00006	30015	Np-239	-0.009 U	0.085	0.026	0.139	0.00 - 0.50
5A-00006	30016	Np-239	-0.0389 U	0.0865	0.0288	0.139	1.00 - 3.00
5A-00006	30015	Cs-134	-0.001 U J	0.056	0.017	0.0864	0.00 - 0.50
5A-00006	30016	Cs-134	0.0039 U	0.0113	0.004	0.0864	1.00 - 3.00
5A-00006	30015	Te-125m	0.0369 SK	0.01	0.0032	0.0838	0.00 - 0.50
5A-00006	30015	Eu-152	-0.01 U	0.038	0.011	0.0566	0.00 - 0.50
5A-00006	30016	Eu-152	-0.0034 U	0.0324	0.0109	0.0566	1.00 - 3.00
5A-00006	30015	Np-236	-0.0082 U	0.032	0.0096	0.047	0.00 - 0.50
5A-00006	30016	Np-236	0.001 U	0.0247	0.0075	0.047	1.00 - 3.00
5A-00006	30015	Am-241	0.0019 U	0.0069	0.0019	0.0454	0.00 - 0.50
5A-00006	30016	Am-241	0.0017 U	0.022	0.0056	0.0454	1.00 - 3.00
5A-00006	30016	Pu-236	0.0025 U	0.0438	0.0115	0.0448	1.00 - 3.00
5A-00006	30015	Cm-243/244	0 U	0.0026	0.001	0.0443	0.00 - 0.50
5A-00006	30016	Cm-243/244	0.0137	0.0126	0.0055	0.0443	1.00 - 3.00
5A-00006	30015	Ho-166m	0.013 SK	0.025	0.0083	0.0432	0.00 - 0.50
5A-00006	30016	Ho-166m	0.0065 U	0.0183	0.0057	0.0432	1.00 - 3.00
5A-00006	30015	Pu-238	0.0021	0.0053	0.0016	0.0415	0.00 - 0.50
5A-00006	30016	Pu-238	0.0066 U	0.0204	0.0058	0.0415	1.00 - 3.00
5A-00006	30015	Pu-239/240	-0.0005 U	0.0053	0.0005	0.0404	0.00 - 0.50
5A-00006	30016	Pu-239/240	0.0066 U	0.0287	0.0079	0.0404	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00006	30015	Cm-245/246	-0.0014 U	0.014	0.0024	0.0401	0.00 - 0.50
5A-00006	30015	Na-22	0.0076 U	0.026	0.0077	0.037	0.00 - 0.50
5A-00006	30016	Na-22	-0.0059 U	0.0158	0.005	0.037	1.00 - 3.00
5A-00006	30015	Pu-244	0 U	0.0024	0.0005	0.0313	0.00 - 0.50
5A-00006	30016	Pu-244	0.0066	0.0059	0.0038	0.0313	1.00 - 3.00
5A-00006	30015	Cm-247/248	0.0017 U	0.0045	0.0017	0.0306	0.00 - 0.50
5A-00006	30015	Co-60	0.0005 U	0.019	0.0056	0.028	0.00 - 0.50
5A-00006	30016	Co-60	-0.0044 U	0.0124	0.0039	0.028	1.00 - 3.00
5A-00006	30015	Sn-126	0.0012 U	0.016	0.0047	0.0237	0.00 - 0.50
5A-00006	30016	Sn-126	0.0003 U	0.0116	0.0035	0.0237	1.00 - 3.00
5A-00006	30015	Nb-94	0.0032 U	0.014	0.0043	0.0214	0.00 - 0.50
5A-00006	30016	Nb-94	0.008 JSK	0.0107	0.0037	0.0214	1.00 - 3.00
5A-00007	30017	Cd-113m	-15.1 U	105	32.5	3030	0.00 - 0.50
5A-00007	30018	Cd-113m	-24.9 U	105	32.8	3030	1.00 - 5.00
5A-00007	30017	Tm-171	-1.03 U	7.5	2.58	72.4	0.00 - 0.50
5A-00007	30018	Tm-171	-6.43 U	13.8	4.9	72.4	1.00 - 5.00
5A-00007	30017	K-40	20.7	0.123	1.11	32.4	0.00 - 0.50
5A-00007	30018	K-40	25.7	0.114	1.53	32.4	1.00 - 5.00
5A-00007	30017	Ni-59	2.72 J	4.63	1.32	8.39	0.00 - 0.50
5A-00007	30018	Ni-59	-0.363 UJ	3.87	1.03	8.39	1.00 - 5.00
5A-00007	30017	Ni-63	0.451 U	1.1	0.336	4.92	0.00 - 0.50
5A-00007	30018	Ni-63	-0.0093 U	1.2	0.358	4.92	1.00 - 5.00
5A-00007	30017	Th-228	1.36 J	0.173	0.165	3.98	0.00 - 0.50
5A-00007	30018	Th-228	1.51	0.0951	0.142	3.98	1.00 - 5.00
5A-00007	30017	Th-234	1.24	0.188	0.118	3.19	0.00 - 0.50
5A-00007	30018	Th-234	1.77	0.235	0.16	3.19	1.00 - 5.00
5A-00007	30017	Th-232	1.11	0.0902	0.127	3.1	0.00 - 0.50
5A-00007	30018	Th-232	1.12	0.0684	0.108	3.1	1.00 - 5.00
5A-00007	30017	C-14	-0.0711 U	0.715	0.212	2.96	0.00 - 0.50
5A-00007	30018	C-14	-0.0708 U	0.858	0.255	2.96	1.00 - 5.00
5A-00007	30017	Pb-212	1.5	0.0346	0.0843	2.69	0.00 - 0.50
5A-00007	30018	Pb-212	1.51	0.0307	0.1	2.69	1.00 - 5.00
5A-00007	30017	Th-230	0.818	0.0904	0.105	2.2	0.00 - 0.50
5A-00007	30018	Th-230	0.93	0.0469	0.0942	2.2	1.00 - 5.00
5A-00007	30017	Bi-212	0.944 J	0.161	0.102	2.15	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00007	30018	Bi-212	0.94	0.131	0.0805	2.15	1.00 - 5.00
5A-00007	30017	U-233/234	0.841	0.0591	0.0982	2.02	0.00 - 0.50
5A-00007	30018	U-233/234	0.877	0.0263	0.0837	2.02	1.00 - 5.00
5A-00007	30017	U-238	0.796	0.0591	0.0945	1.8	0.00 - 0.50
5A-00007	30018	U-238	0.712	0.0263	0.0714	1.8	1.00 - 5.00
5A-00007	30017	Pb-214	0.982	0.0274	0.047	1.7	0.00 - 0.50
5A-00007	30018	Pb-214	0.964	0.0272	0.0498	1.7	1.00 - 5.00
5A-00007	30017	Tc-99	-0.846 U	1.71	0.483	1.63	0.00 - 0.50
5A-00007	30018	Tc-99	-0.0325 U	1.41	0.414	1.63	1.00 - 5.00
5A-00007	30017	Bi-214	0.923	0.0257	0.0453	1.59	0.00 - 0.50
5A-00007	30018	Bi-214	0.884	0.0248	0.0411	1.59	1.00 - 5.00
5A-00007	30017	Tl-208	0.481	0.0195	0.0294	0.937	0.00 - 0.50
5A-00007	30018	Tl-208	0.487	0.0151	0.0278	0.937	1.00 - 5.00
5A-00007	30017	Pa-231	-0.219 U	0.622	0.201	0.936	0.00 - 0.50
5A-00007	30018	Pa-231	-0.0718 U	0.63	0.196	0.936	1.00 - 5.00
5A-00007	30017	Sr-90	-0.0259 U	0.139	0.0329	0.485	0.00 - 0.50
5A-00007	30018	Sr-90	0.0816 U K	0.205	0.0619	0.485	1.00 - 5.00
5A-00007	30017	Sb-125	0.0082 U	0.0466	0.0137	0.354	0.00 - 0.50
5A-00007	30018	Sb-125	0.0083 U	0.0396	0.0121	0.354	1.00 - 5.00
5A-00007	30017	Eu-155	0.0815 JS	0.0512	0.0216	0.231	0.00 - 0.50
5A-00007	30018	Eu-155	0.063 JSK	0.0591	0.0231	0.231	1.00 - 5.00
5A-00007	30017	Ac-227	0.0364 U	0.161	0.0498	0.217	0.00 - 0.50
5A-00007	30018	Ac-227	0.0395 U J	0.158	0.0475	0.217	1.00 - 5.00
5A-00007	30017	Cs-137	-0.0017 UJ	0.0179	0.0051	0.207	0.00 - 0.50
5A-00007	30018	Cs-137	0.0056 U	0.0146	0.0051	0.207	1.00 - 5.00
5A-00007	30017	U-235/236	0.0772	0.0637	0.0286	0.151	0.00 - 0.50
5A-00007	30018	U-235/236	0.0486	0.0476	0.0186	0.151	1.00 - 5.00
5A-00007	30017	Eu-154	-0.0269 U	0.104	0.032	0.15	0.00 - 0.50
5A-00007	30018	Eu-154	-0.0285 U	0.0889	0.0272	0.15	1.00 - 5.00
5A-00007	30017	Th-229	0.0586	0.0719	0.0278	0.145	0.00 - 0.50
5A-00007	30018	Th-229	0.0255 U	0.0688	0.0202	0.145	1.00 - 5.00
5A-00007	30017	Np-239	-0.018 U	0.0995	0.0307	0.139	0.00 - 0.50
5A-00007	30018	Np-239	-0.0622 U	0.0996	0.0333	0.139	1.00 - 5.00
5A-00007	30017	Cs-134	-0.001 U	0.0162	0.0056	0.0864	0.00 - 0.50
5A-00007	30018	Cs-134	0.0011 U	0.0139	0.0047	0.0864	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00007	30017	Eu-152	-0.0022 U	0.0389	0.0128	0.0566	0.00 - 0.50
5A-00007	30018	Eu-152	-0.0149 U	0.0382	0.0126	0.0566	1.00 - 5.00
5A-00007	30017	Np-236	-0.0188 UJ	0.0257	0.0088	0.047	0.00 - 0.50
5A-00007	30018	Np-236	-0.0011 U	0.0295	0.009	0.047	1.00 - 5.00
5A-00007	30017	Am-241	0.0052 U	0.0161	0.0046	0.0454	0.00 - 0.50
5A-00007	30018	Am-241	0.0063	0.0115	0.0038	0.0454	1.00 - 5.00
5A-00007	30018	Pu-236	0.0025 U	0.0187	0.0044	0.0448	1.00 - 5.00
5A-00007	30017	Cm-243/244	-0.0019 U	0.0211	0.0043	0.0443	0.00 - 0.50
5A-00007	30018	Cm-243/244	0.008	0.0043	0.0036	0.0443	1.00 - 5.00
5A-00007	30017	Ho-166m	-0.0054 U	0.0251	0.0075	0.0432	0.00 - 0.50
5A-00007	30018	Ho-166m	-0.0067 U	0.0223	0.0069	0.0432	1.00 - 5.00
5A-00007	30017	Pu-238	0.0098	0.0275	0.0081	0.0415	0.00 - 0.50
5A-00007	30018	Pu-238	0 U	0.0205	0.0044	0.0415	1.00 - 5.00
5A-00007	30017	Pu-239/240	-0.0007 UJ	0.0388	0.0081	0.0404	0.00 - 0.50
5A-00007	30018	Pu-239/240	-0.0022 U	0.0264	0.0058	0.0404	1.00 - 5.00
5A-00007	30017	Na-22	-0.0041 U	0.0257	0.0076	0.037	0.00 - 0.50
5A-00007	30018	Na-22	-0.0025 U	0.0209	0.0063	0.037	1.00 - 5.00
5A-00007	30017	Pu-244	0.0043	0.0116	0.0043	0.0313	0.00 - 0.50
5A-00007	30018	Pu-244	0	0.006	0.0022	0.0313	1.00 - 5.00
5A-00007	30017	Co-60	0.0027 U	0.0194	0.0056	0.028	0.00 - 0.50
5A-00007	30018	Co-60	0.0076 U	0.0176	0.0054	0.028	1.00 - 5.00
5A-00007	30017	Sn-126	0.0019 U	0.0163	0.0047	0.0237	0.00 - 0.50
5A-00007	30018	Sn-126	0.0022 U	0.0144	0.0043	0.0237	1.00 - 5.00
5A-00007	30017	Nb-94	0.0047 U	0.015	0.0044	0.0214	0.00 - 0.50
5A-00007	30018	Nb-94	0.0027 U	0.0128	0.0038	0.0214	1.00 - 5.00
5A-00008	30019	Cd-113m	-23.5 U	86.6	28.1	3030	0.00 - 0.50
5A-00008	30020	Cd-113m	-10.8 U	72.8	22.5	3030	1.00 - 2.00
5A-00008	30019	Tm-171	-10.6 J U	10.3	4.32	72.4	0.00 - 0.50
5A-00008	30020	Tm-171	-2.62 U	6.86	2.42	72.4	1.00 - 2.00
5A-00008	30019	K-40	22.1	0.0806	1.28	32.4	0.00 - 0.50
5A-00008	30020	K-40	22.6	0.0699	1.26	32.4	1.00 - 2.00
5A-00008	30019	Ni-59	-0.234 U	2.63	0.75	8.39	0.00 - 0.50
5A-00008	30020	Ni-59	23.9	5.48	2.97	8.39	1.00 - 2.00
5A-00008	30019	Ni-63	0.0432 U	1.47	0.44	4.92	0.00 - 0.50
5A-00008	30020	Ni-63	0.77	1.48	0.456	4.92	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00008	30019	Th-228	1.56	0.112	0.151	3.98	0.00 - 0.50
5A-00008	30020	Th-228	1.34	0.0709	0.135	3.98	1.00 - 2.00
5A-00008	30019	Th-234	1.34	0.2	0.128	3.19	0.00 - 0.50
5A-00008	30020	Th-234	1.38	0.154	0.11	3.19	1.00 - 2.00
5A-00008	30019	Th-232	1.33	0.0463	0.126	3.1	0.00 - 0.50
5A-00008	30020	Th-232	1.08	0.0606	0.11	3.1	1.00 - 2.00
5A-00008	30019	C-14	0.251 U	0.874	0.264	2.96	0.00 - 0.50
5A-00008	30020	C-14	0.365 U	0.858	0.261	2.96	1.00 - 2.00
5A-00008	30019	Pb-212	1.39	0.0248	0.0835	2.69	0.00 - 0.50
5A-00008	30020	Pb-212	1.29	0.0205	0.0763	2.69	1.00 - 2.00
5A-00008	30019	Th-230	0.833	0.0171	0.0904	2.2	0.00 - 0.50
5A-00008	30020	Th-230	0.883	0.0704	0.0969	2.2	1.00 - 2.00
5A-00008	30019	Bi-212	0.916	0.096	0.0691	2.15	0.00 - 0.50
5A-00008	30020	Bi-212	0.819	0.0817	0.0586	2.15	1.00 - 2.00
5A-00008	30019	U-233/234	0.844	0.0569	0.0965	2.02	0.00 - 0.50
5A-00008	30020	U-233/234	0.965	0.0493	0.0919	2.02	1.00 - 2.00
5A-00008	30019	U-238	0.979	0.0451	0.107	1.8	0.00 - 0.50
5A-00008	30020	U-238	1.06	0.0452	0.099	1.8	1.00 - 2.00
5A-00008	30019	Pb-214	0.92	0.0227	0.043	1.7	0.00 - 0.50
5A-00008	30020	Pb-214	0.905	0.0179	0.0421	1.7	1.00 - 2.00
5A-00008	30019	Tc-99	0.452 U	1.28	0.386	1.63	0.00 - 0.50
5A-00008	30020	Tc-99	0.493 U	1.17	0.356	1.63	1.00 - 2.00
5A-00008	30019	Bi-214	0.851	0.0195	0.0381	1.59	0.00 - 0.50
5A-00008	30020	Bi-214	0.791	0.0167	0.035	1.59	1.00 - 2.00
5A-00008	30019	Tl-208	0.419	0.0121	0.0226	0.937	0.00 - 0.50
5A-00008	30020	Tl-208	0.389	0.0104	0.0209	0.937	1.00 - 2.00
5A-00008	30019	Pa-231	0.224 U	0.542	0.178	0.936	0.00 - 0.50
5A-00008	30020	Pa-231	0.0334 U	0.442	0.131	0.936	1.00 - 2.00
5A-00008	30019	Sr-90	-0.0046 U	0.285	0.0767	0.485	0.00 - 0.50
5A-00008	30020	Sr-90	-0.0242 U	0.34	0.092	0.485	1.00 - 2.00
5A-00008	30019	Sb-125	0.0148 U	0.0319	0.0099	0.354	0.00 - 0.50
5A-00008	30020	Sb-125	0.0005 U	0.0263	0.008	0.354	1.00 - 2.00
5A-00008	30019	Eu-155	0.0531 SK	0.0483	0.0168	0.231	0.00 - 0.50
5A-00008	30020	Eu-155	0.0464 SK	0.0387	0.0162	0.231	1.00 - 2.00
5A-00008	30019	Ac-227	-0.0186 U	0.131	0.0404	0.217	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00008	30020	Ac-227	0.0163 U	0.109	0.0324	0.217	1.00 - 2.00
5A-00008	30019	Cs-137	0.0014 U	0.0115	0.004	0.207	0.00 - 0.50
5A-00008	30020	Cs-137	0.001 J	0.0095	0.0032	0.207	1.00 - 2.00
5A-00008	30019	U-235/236	0.0227	0.0205	0.0132	0.151	0.00 - 0.50
5A-00008	30020	U-235/236	0.0558	0.0432	0.019	0.151	1.00 - 2.00
5A-00008	30019	Eu-154	-0.0226 U	0.0674	0.0215	0.15	0.00 - 0.50
5A-00008	30020	Eu-154	0.0234 U	0.056	0.0196	0.15	1.00 - 2.00
5A-00008	30019	Th-229	0.0126 U	0.0681	0.0179	0.145	0.00 - 0.50
5A-00008	30020	Th-229	0.0459	0.0482	0.0199	0.145	1.00 - 2.00
5A-00008	30019	Np-239	-0.0221 U	0.0862	0.0269	0.139	0.00 - 0.50
5A-00008	30020	Np-239	-0.0224 U	0.0708	0.0216	0.139	1.00 - 2.00
5A-00008	30019	Cs-134	-0.0013 U	0.0108	0.0037	0.0864	0.00 - 0.50
5A-00008	30020	Cs-134	0.002 U	0.0092	0.0031	0.0864	1.00 - 2.00
5A-00008	30019	Eu-152	-0.0152 U	0.0308	0.0125	0.0566	0.00 - 0.50
5A-00008	30020	Eu-152	-0.0085 U	0.0258	0.0091	0.0566	1.00 - 2.00
5A-00008	30019	Np-236	0.0023 U	0.0253	0.0078	0.047	0.00 - 0.50
5A-00008	30020	Np-236	-0.0079 U	0.0203	0.0065	0.047	1.00 - 2.00
5A-00008	30019	Am-241	0.0105	0.0071	0.0053	0.0454	0.00 - 0.50
5A-00008	30020	Am-241	0.0035	0.0094	0.0035	0.0454	1.00 - 2.00
5A-00008	30019	Pu-236	-0.0119 U	0.0463	0.0109	0.0448	0.00 - 0.50
5A-00008	30020	Pu-236	-0.0024 U	0.0339	0.008	0.0448	1.00 - 2.00
5A-00008	30019	Cm-243/244	0.0027	0.0072	0.0027	0.0443	0.00 - 0.50
5A-00008	30020	Cm-243/244	0 U	0.0237	0.0043	0.0443	1.00 - 2.00
5A-00008	30019	Ho-166m	-0.0003 U	0.0176	0.0053	0.0432	0.00 - 0.50
5A-00008	30020	Ho-166m	-0.0014 U	0.0148	0.0044	0.0432	1.00 - 2.00
5A-00008	30019	Pu-238	-0.0124 U	0.0415	0.0097	0.0415	0.00 - 0.50
5A-00008	30020	Pu-238	0 U	0.035	0.0089	0.0415	1.00 - 2.00
5A-00008	30019	Pu-239/240	0.0041 U	0.0191	0.005	0.0404	0.00 - 0.50
5A-00008	30020	Pu-239/240	0.0021 U	0.0251	0.0063	0.0404	1.00 - 2.00
5A-00008	30019	Na-22	0.0032 U	0.0145	0.0043	0.037	0.00 - 0.50
5A-00008	30020	Na-22	0.0008 U	0.0131	0.0044	0.037	1.00 - 2.00
5A-00008	30019	Pu-244	0.0021	0.0056	0.0021	0.0313	0.00 - 0.50
5A-00008	30020	Pu-244	0.0021	0.0057	0.0021	0.0313	1.00 - 2.00
5A-00008	30019	Co-60	0.0005 U	0.0123	0.0036	0.028	0.00 - 0.50
5A-00008	30020	Co-60	0.0025 U	0.0107	0.0031	0.028	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00008	30019	Sn-126	0.003 U	0.0114	0.0034	0.0237	0.00 - 0.50
5A-00008	30020	Sn-126	-0.0013 U	0.0095	0.0028	0.0237	1.00 - 2.00
5A-00008	30019	Nb-94	0.0076 SK	0.0103	0.0035	0.0214	0.00 - 0.50
5A-00008	30020	Nb-94	0.0027 U	0.0087	0.0026	0.0214	1.00 - 2.00
5A-00009	30021	Cd-113m	-3.7 U	33	9.9	3030	0.00 - 0.50
5A-00009	30021	Tm-171	-2.1 U	5.2	1.6	72.4	0.00 - 0.50
5A-00009	30021	K-40	21.4	0.1	1.1	32.4	0.00 - 0.50
5A-00009	30021	Ni-59	-0.08 U	0.45	0.12	8.39	0.00 - 0.50
5A-00009	30021	Ni-63	-0.09 U	0.69	0.2	4.92	0.00 - 0.50
5A-00009	30021	Th-228	1.58	0.023	0.079	3.98	0.00 - 0.50
5A-00009	30021	Th-234	1.37 R	0.12	0.093	3.19	0.00 - 0.50
5A-00009	30021	Th-232	1.12	0.008	0.056	3.1	0.00 - 0.50
5A-00009	30021	C-14	0.035	0.042	0.013	2.96	0.00 - 0.50
5A-00009	30021	Pb-212	1.47	0.019	0.096	2.69	0.00 - 0.50
5A-00009	30021	Th-230	0.898	0.006	0.047	2.2	0.00 - 0.50
5A-00009	30021	Bi-212	1	0.11	0.079	2.15	0.00 - 0.50
5A-00009	30021	U-233/234	0.662	0.013	0.04	2.02	0.00 - 0.50
5A-00009	30021	U-238	0.702	0.003	0.041	1.8	0.00 - 0.50
5A-00009	30021	Pb-214	0.877	0.022	0.047	1.7	0.00 - 0.50
5A-00009	30021	Tc-99	-0.097 U	0.28	0.083	1.63	0.00 - 0.50
5A-00009	30021	Bi-214	0.788	0.018	0.042	1.59	0.00 - 0.50
5A-00009	30021	Tl-208	0.447	0.015	0.025	0.937	0.00 - 0.50
5A-00009	30021	Pa-231	0.02 U	0.45	0.016	0.936	0.00 - 0.50
5A-00009	30021	Sr-90	0.019 U	0.043	0.013	0.485	0.00 - 0.50
5A-00009	30021	Sb-125	0.128 SK	0.027	0.01	0.354	0.00 - 0.50
5A-00009	30021	Eu-155	0.07 SK	0.029	0.012	0.231	0.00 - 0.50
5A-00009	30021	Ac-227	0.064	0.088	0.017	0.217	0.00 - 0.50
5A-00009	30021	Cs-137	0.0129	0.0081	0.0034	0.207	0.00 - 0.50
5A-00009	30021	U-235/236	0.0366	0.004	0.0075	0.151	0.00 - 0.50
5A-00009	30021	Eu-154	0.0003 U	0.07	0.021	0.15	0.00 - 0.50
5A-00009	30021	Th-229	0.008	0.0036	0.0033	0.145	0.00 - 0.50
5A-00009	30021	Np-239	-0.01 U	0.068	0.021	0.139	0.00 - 0.50
5A-00009	30021	Cs-134	0.0095 U	0.042	0.0028	0.0864	0.00 - 0.50
5A-00009	30021	Te-125m	0.0295 SK	0.0063	0.0024	0.0838	0.00 - 0.50
5A-00009	30021	Eu-152	-0.0116 U	0.029	0.0088	0.0566	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00009	30021	Np-236	-0.0033 U	0.025	0.0074	0.047	0.00 - 0.50
5A-00009	30021	Am-241	0.0028	0.0068	0.0021	0.0454	0.00 - 0.50
5A-00009	30021	Cm-243/244	0.0019 U	0.0025	0.0013	0.0443	0.00 - 0.50
5A-00009	30021	Ho-166m	0.0063 U J	0.019	0.0048	0.0432	0.00 - 0.50
5A-00009	30021	Pu-238	0.0023	0.0049	0.0015	0.0415	0.00 - 0.50
5A-00009	30021	Pu-239/240	0.0014	0.0012	0.0008	0.0404	0.00 - 0.50
5A-00009	30021	Cm-245/246	0.0056	0.005	0.0032	0.0401	0.00 - 0.50
5A-00009	30021	Na-22	-0.0054 U	0.02	0.0061	0.037	0.00 - 0.50
5A-00009	30021	Pu-244	0 U	0.0012	0.0005	0.0313	0.00 - 0.50
5A-00009	30021	Cm-247/248	-0.0011 U	0.011	0.0011	0.0306	0.00 - 0.50
5A-00009	30021	Co-60	-0.0007 U	0.015	0.0043	0.028	0.00 - 0.50
5A-00009	30021	Sn-126	0.0018 U	0.011	0.0034	0.0237	0.00 - 0.50
5A-00009	30021	Nb-94	0.0127 SK	0.0084	0.004	0.0214	0.00 - 0.50
5A-00010	30023	Cd-113m	6 U	41	12	3030	0.00 - 0.50
5A-00010	30024	Cd-113m	-63.4 U	93.3	33.8	3030	1.00 - 2.00
5A-00010	30023	Tm-171	-2.6 U	6.9	2.1	72.4	0.00 - 0.50
5A-00010	30024	Tm-171	-14.7 U J	12.6	5.74	72.4	1.00 - 2.00
5A-00010	30023	K-40	20.6	0.2	1	32.4	0.00 - 0.50
5A-00010	30024	K-40	21.6	0.0748	1.4	32.4	1.00 - 2.00
5A-00010	30023	Ni-59	-0.08 U	0.44	0.12	8.39	0.00 - 0.50
5A-00010	30024	Ni-59	0.19 UJ	1.92	0.516	8.39	1.00 - 2.00
5A-00010	30023	Ni-63	-0.04 U	0.67	0.19	4.92	0.00 - 0.50
5A-00010	30024	Ni-63	0.0665 U	0.952	0.286	4.92	1.00 - 2.00
5A-00010	30023	Th-228	2.04	0.014	0.098	3.98	0.00 - 0.50
5A-00010	30024	Th-228	1.43	0.0713	0.134	3.98	1.00 - 2.00
5A-00010	30023	Th-234	0.497 R	0.17	0.058	3.19	0.00 - 0.50
5A-00010	30024	Th-234	1.31	0.223	0.13	3.19	1.00 - 2.00
5A-00010	30023	Th-232	1.39	0.002	0.068	3.1	0.00 - 0.50
5A-00010	30024	Th-232	1.05	0.0167	0.101	3.1	1.00 - 2.00
5A-00010	30023	C-14	0.0146	0.026	0.008	2.96	0.00 - 0.50
5A-00010	30024	C-14	0.103 U	0.862	0.258	2.96	1.00 - 2.00
5A-00010	30023	Pb-212	1.89	0.026	0.093	2.69	0.00 - 0.50
5A-00010	30024	Pb-212	1.68	0.0277	0.111	2.69	1.00 - 2.00
5A-00010	30023	Th-230	1.03	0.002	0.052	2.2	0.00 - 0.50
5A-00010	30024	Th-230	0.822	0.0455	0.0858	2.2	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00010	30023	Bi-212	1.18	0.13	0.079	2.15	0.00 - 0.50
5A-00010	30024	Bi-212	0.97	0.0994	0.0692	2.15	1.00 - 2.00
5A-00010	30023	U-233/234	0.588	0.008	0.035	2.02	0.00 - 0.50
5A-00010	30024	U-233/234	0.924	0.0352	0.0888	2.02	1.00 - 2.00
5A-00010	30023	U-238	0.702	0.003	0.041	1.8	0.00 - 0.50
5A-00010	30024	U-238	0.91	0.0103	0.0875	1.8	1.00 - 2.00
5A-00010	30023	Pb-214	0.991	0.025	0.057	1.7	0.00 - 0.50
5A-00010	30024	Pb-214	0.922	0.0234	0.0454	1.7	1.00 - 2.00
5A-00010	30023	Tc-99	-0.08 U	0.28	0.085	1.63	0.00 - 0.50
5A-00010	30024	Tc-99	-0.294 U	1.08	0.313	1.63	1.00 - 2.00
5A-00010	30023	Bi-214	0.947	0.027	0.05	1.59	0.00 - 0.50
5A-00010	30024	Bi-214	0.835	0.0195	0.0378	1.59	1.00 - 2.00
5A-00010	30023	Tl-208	0.622	0.021	0.033	0.937	0.00 - 0.50
5A-00010	30024	Tl-208	0.506	0.0126	0.0266	0.937	1.00 - 2.00
5A-00010	30023	Pa-231	0.03 U	0.59	0.18	0.936	0.00 - 0.50
5A-00010	30024	Pa-231	-0.0174 U	0.575	0.2	0.936	1.00 - 2.00
5A-00010	30023	Sr-90	0.014 U	0.042	0.013	0.485	0.00 - 0.50
5A-00010	30024	Sr-90	0.0616 U	0.217	0.0639	0.485	1.00 - 2.00
5A-00010	30023	Sb-125	0.158 SK	0.038	0.013	0.354	0.00 - 0.50
5A-00010	30024	Sb-125	0.013 U	0.0335	0.0105	0.354	1.00 - 2.00
5A-00010	30023	Eu-155	0.021 SK	0.037	0.011	0.231	0.00 - 0.50
5A-00010	30024	Eu-155	0.0914 SK	0.0522	0.0214	0.231	1.00 - 2.00
5A-00010	30023	Ac-227	0.016 U	0.14	0.03	0.217	0.00 - 0.50
5A-00010	30024	Ac-227	0.0188 U J	0.14	0.0422	0.217	1.00 - 2.00
5A-00010	30023	Cs-137	-0.0011 U	0.019	0.0057	0.207	0.00 - 0.50
5A-00010	30024	Cs-137	-0.0013 U	0.011	0.0038	0.207	1.00 - 2.00
5A-00010	30023	U-235/236	0.0451	0.0037	0.0081	0.151	0.00 - 0.50
5A-00010	30024	U-235/236	0.0281	0.0345	0.0134	0.151	1.00 - 2.00
5A-00010	30023	Eu-154	0.009 U	0.1	0.018	0.15	0.00 - 0.50
5A-00010	30024	Eu-154	0.0131 U	0.0649	0.0227	0.15	1.00 - 2.00
5A-00010	30023	Th-229	0.0013 U	0.012	0.0029	0.145	0.00 - 0.50
5A-00010	30024	Th-229	-0.0062 U	0.0576	0.0107	0.145	1.00 - 2.00
5A-00010	30023	Np-239	-0.018 U	0.088	0.027	0.139	0.00 - 0.50
5A-00010	30024	Np-239	-0.0098 U	0.0941	0.0283	0.139	1.00 - 2.00
5A-00010	30023	Cs-134	0.0231 U	0.054	0.0058	0.0864	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00010	30024	Cs-134	-0.0002 U	0.0111	0.0038	0.0864	1.00 - 2.00
5A-00010	30023	Te-125m	0.0365 SK	0.0088	0.0029	0.0838	0.00 - 0.50
5A-00010	30023	Eu-152	0.0119 U	0.037	0.0097	0.0566	0.00 - 0.50
5A-00010	30024	Eu-152	0.0061 U	0.0335	0.0124	0.0566	1.00 - 2.00
5A-00010	30023	Np-236	-0.0066 U	0.031	0.0095	0.047	0.00 - 0.50
5A-00010	30024	Np-236	0.0069 U	0.0277	0.0094	0.047	1.00 - 2.00
5A-00010	30023	Am-241	0.0026	0.0064	0.002	0.0454	0.00 - 0.50
5A-00010	30024	Am-241	0.0203	0.0222	0.008	0.0454	1.00 - 2.00
5A-00010	30024	Pu-236	-0.002 U	0.0185	0.0035	0.0448	1.00 - 2.00
5A-00010	30023	Cm-243/244	0.0009 U	0.0065	0.0015	0.0443	0.00 - 0.50
5A-00010	30024	Cm-243/244	-0.0052 U	0.0326	0.0079	0.0443	1.00 - 2.00
5A-00010	30023	Ho-166m	0.0412 JSK	0.025	0.0053	0.0432	0.00 - 0.50
5A-00010	30024	Ho-166m	0.001 U	0.0178	0.0053	0.0432	1.00 - 2.00
5A-00010	30023	Pu-238	0.003	0.0047	0.0016	0.0415	0.00 - 0.50
5A-00010	30024	Pu-238	-0.0035 U	0.0228	0.0049	0.0415	1.00 - 2.00
5A-00010	30023	Pu-239/240	0.0025	0.0014	0.0011	0.0404	0.00 - 0.50
5A-00010	30024	Pu-239/240	0.0035 U	0.0244	0.0065	0.0404	1.00 - 2.00
5A-00010	30023	Cm-245/246	0.0059	0.0053	0.0034	0.0401	0.00 - 0.50
5A-00010	30023	Na-22	0.0015 U	0.025	0.0076	0.037	0.00 - 0.50
5A-00010	30024	Na-22	-0.0009 U	0.0158	0.0046	0.037	1.00 - 2.00
5A-00010	30023	Pu-244	0.001 U	0.0014	0.0007	0.0313	0.00 - 0.50
5A-00010	30024	Pu-244	0 U	0.0127	0.0025	0.0313	1.00 - 2.00
5A-00010	30023	Cm-247/248	0.0008 U	0.011	0.0022	0.0306	0.00 - 0.50
5A-00010	30023	Co-60	0.0021 U	0.019	0.0017	0.028	0.00 - 0.50
5A-00010	30024	Co-60	0.002 U	0.0122	0.0036	0.028	1.00 - 2.00
5A-00010	30023	Sn-126	0.0019 U	0.016	0.0047	0.0237	0.00 - 0.50
5A-00010	30024	Sn-126	-0.0003 U	0.0113	0.0034	0.0237	1.00 - 2.00
5A-00010	30023	Nb-94	0.0025 U	0.015	0.0031	0.0214	0.00 - 0.50
5A-00010	30024	Nb-94	0.0029 U	0.0101	0.003	0.0214	1.00 - 2.00
5A-00011	30025	Cd-113m	-0.2 U	38	11	3030	0.00 - 0.50
5A-00011	30026	Cd-113m	-1.84 U	83.5	27.5	3030	1.00 - 2.50
5A-00011	30025	Tm-171	-0.001 U	6.1	1.8	72.4	0.00 - 0.50
5A-00011	30026	Tm-171	0.976 U	8.63	3.03	72.4	1.00 - 2.50
5A-00011	30025	K-40	19.5	0.11	0.95	32.4	0.00 - 0.50
5A-00011	30026	K-40	19.9	0.0839	1.18	32.4	1.00 - 2.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00011	30025	Ni-59	0 U L	0.21	0.054	8.39	0.00 - 0.50
5A-00011	30026	Ni-59	-0.351 UJ	3.78	1.01	8.39	1.00 - 2.50
5A-00011	30025	Ni-63	0.15 U	0.49	0.15	4.92	0.00 - 0.50
5A-00011	30026	Ni-63	-0.09 U	1.45	0.433	4.92	1.00 - 2.50
5A-00011	30025	Th-228	1.74	0.028	0.091	3.98	0.00 - 0.50
5A-00011	30026	Th-228	2.02	0.11	0.173	3.98	1.00 - 2.50
5A-00011	30025	Th-234	1.34 R	0.14	0.092	3.19	0.00 - 0.50
5A-00011	30026	Th-234	1.38	0.182	0.107	3.19	1.00 - 2.50
5A-00011	30025	Th-232	1.28	0.003	0.066	3.1	0.00 - 0.50
5A-00011	30026	Th-232	1.51	0.0171	0.13	3.1	1.00 - 2.50
5A-00011	30025	C-14	0.031	0.04	0.012	2.96	0.00 - 0.50
5A-00011	30026	C-14	-0.199 U	0.863	0.255	2.96	1.00 - 2.50
5A-00011	30025	Pb-212	1.62	0.022	0.091	2.69	0.00 - 0.50
5A-00011	30026	Pb-212	1.67	0.0247	0.101	2.69	1.00 - 2.50
5A-00011	30025	Th-230	0.982	0.011	0.054	2.2	0.00 - 0.50
5A-00011	30026	Th-230	1.08	0.068	0.104	2.2	1.00 - 2.50
5A-00011	30025	Bi-212	1.01	0.12	0.084	2.15	0.00 - 0.50
5A-00011	30026	Bi-212	0.98	0.0961	0.0666	2.15	1.00 - 2.50
5A-00011	30025	U-233/234	0.75	0.009	0.044	2.02	0.00 - 0.50
5A-00011	30026	U-233/234	0.889	0.0316	0.0889	2.02	1.00 - 2.50
5A-00011	30025	U-238	0.808	0.003	0.046	1.8	0.00 - 0.50
5A-00011	30026	U-238	0.782	0.0316	0.0809	1.8	1.00 - 2.50
5A-00011	30025	Pb-214	0.847	0.023	0.044	1.7	0.00 - 0.50
5A-00011	30026	Pb-214	0.868	0.0216	0.042	1.7	1.00 - 2.50
5A-00011	30025	Tc-99	-0.016 U	0.28	0.086	1.63	0.00 - 0.50
5A-00011	30026	Tc-99	0.279 U	1.12	0.336	1.63	1.00 - 2.50
5A-00011	30025	Bi-214	0.778	0.025	0.042	1.59	0.00 - 0.50
5A-00011	30026	Bi-214	0.833	0.0185	0.0369	1.59	1.00 - 2.50
5A-00011	30025	Tl-208	0.502	0.017	0.027	0.937	0.00 - 0.50
5A-00011	30026	Tl-208	0.509	0.012	0.0271	0.937	1.00 - 2.50
5A-00011	30025	Pa-231	0.04 U	0.54	0.16	0.936	0.00 - 0.50
5A-00011	30026	Pa-231	-0.0708 U	0.512	0.163	0.936	1.00 - 2.50
5A-00011	30025	Sr-90	0.023 U	0.057	0.017	0.485	0.00 - 0.50
5A-00011	30026	Sr-90	-0.0298 U K	0.169	0.0409	0.485	1.00 - 2.50
5A-00011	30025	Sb-125	0.136 SK	0.039	0.012	0.354	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00011	30026	Sb-125	0.0041 U	0.0313	0.0092	0.354	1.00 - 2.50
5A-00011	30025	Eu-155	0.073 SK	0.032	0.014	0.231	0.00 - 0.50
5A-00011	30026	Eu-155	0.0635 SK	0.0448	0.018	0.231	1.00 - 2.50
5A-00011	30025	Ac-227	0.028 U	0.13	0.016	0.217	0.00 - 0.50
5A-00011	30026	Ac-227	0.0062 U J	0.126	0.0384	0.217	1.00 - 2.50
5A-00011	30025	Cs-137	0.0034 U	0.015	0.0044	0.207	0.00 - 0.50
5A-00011	30026	Cs-137	0.0013 U	0.0109	0.0038	0.207	1.00 - 2.50
5A-00011	30025	U-235/236	0.0318	0.0041	0.0071	0.151	0.00 - 0.50
5A-00011	30026	U-235/236	0.0531	0.0144	0.0172	0.151	1.00 - 2.50
5A-00011	30025	Eu-154	-0.0006 U	0.094	0.0003	0.15	0.00 - 0.50
5A-00011	30026	Eu-154	-0.0127 U	0.0623	0.0218	0.15	1.00 - 2.50
5A-00011	30025	Th-229	0.0095	0.0032	0.0034	0.145	0.00 - 0.50
5A-00011	30026	Th-229	0 U	0.083	0.02	0.145	1.00 - 2.50
5A-00011	30025	Np-239	0.004 U	0.081	0.024	0.139	0.00 - 0.50
5A-00011	30026	Np-239	-0.0311 U	0.0818	0.026	0.139	1.00 - 2.50
5A-00011	30025	Cs-134	0.014 U J	0.048	0.0039	0.0864	0.00 - 0.50
5A-00011	30026	Cs-134	0.0041 U	0.0108	0.0038	0.0864	1.00 - 2.50
5A-00011	30025	Te-125m	0.0313 SK	0.009	0.0027	0.0838	0.00 - 0.50
5A-00011	30025	Eu-152	-0.004 U	0.036	0.011	0.0566	0.00 - 0.50
5A-00011	30026	Eu-152	-0.0251 U	0.0303	0.0145	0.0566	1.00 - 2.50
5A-00011	30025	Np-236	-0.0071 U	0.029	0.0087	0.047	0.00 - 0.50
5A-00011	30026	Np-236	-0.0085 U	0.0232	0.0074	0.047	1.00 - 2.50
5A-00011	30025	Am-241	0.0009 U	0.0069	0.0016	0.0454	0.00 - 0.50
5A-00011	30026	Am-241	0.019	0.0171	0.0068	0.0454	1.00 - 2.50
5A-00011	30026	Pu-236	-0.0041 U	0.019	0.0035	0.0448	1.00 - 2.50
5A-00011	30025	Cm-243/244	0 U	0.0026	0.001	0.0443	0.00 - 0.50
5A-00011	30026	Cm-243/244	0.0049	0.0044	0.0028	0.0443	1.00 - 2.50
5A-00011	30025	Ho-166m	0.0091 U	0.02	0.0082	0.0432	0.00 - 0.50
5A-00011	30026	Ho-166m	-0.0033 U	0.0167	0.0051	0.0432	1.00 - 2.50
5A-00011	30025	Pu-238	0.0015 U	0.0061	0.0016	0.0415	0.00 - 0.50
5A-00011	30026	Pu-238	-0.0018 U	0.0215	0.0047	0.0415	1.00 - 2.50
5A-00011	30025	Pu-239/240	0.0008 U	0.0023	0.0008	0.0404	0.00 - 0.50
5A-00011	30026	Pu-239/240	-0.0089 U	0.0251	0.0047	0.0404	1.00 - 2.50
5A-00011	30025	Cm-245/246	0.0019 U	0.0025	0.0013	0.0401	0.00 - 0.50
5A-00011	30025	Na-22	-0.0031 U	0.024	0.0071	0.037	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00011	30026	Na-22	-0.0135 U J	0.0143	0.0062	0.037	1.00 - 2.50
5A-00011	30025	Pu-244	0.0033	0.0022	0.0017	0.0313	0.00 - 0.50
5A-00011	30026	Pu-244	0.0036 U	0.0131	0.0036	0.0313	1.00 - 2.50
5A-00011	30025	Cm-247/248	0 U	0.0025	0.0009	0.0306	0.00 - 0.50
5A-00011	30025	Co-60	0 U	0.015	0.0054	0.028	0.00 - 0.50
5A-00011	30026	Co-60	0.0013 U	0.0117	0.0035	0.028	1.00 - 2.50
5A-00011	30025	Sn-126	0.0003 U	0.014	0.0042	0.0237	0.00 - 0.50
5A-00011	30026	Sn-126	0.0024 U	0.011	0.0033	0.0237	1.00 - 2.50
5A-00011	30025	Nb-94	0.0057 U	0.013	0.0039	0.0214	0.00 - 0.50
5A-00011	30026	Nb-94	0.0133 JSK	0.0104	0.0043	0.0214	1.00 - 2.50
5A-00012	30027	Cd-113m	-1.52 U	92.7	28.7	3030	0.00 - 0.50
5A-00012	30028	Cd-113m	-44.1 U	83.1	28.2	3030	1.00 - 3.00
5A-00012	30027	Tm-171	2.97 J	5.81	1.97	72.4	0.00 - 0.50
5A-00012	30028	Tm-171	-4.95 U	8.87	3.34	72.4	1.00 - 3.00
5A-00012	30027	K-40	19.7	0.129	1.07	32.4	0.00 - 0.50
5A-00012	30028	K-40	20.1	0.0805	1.14	32.4	1.00 - 3.00
5A-00012	30027	Ni-59	-0.521 U	1.98	0.631	8.39	0.00 - 0.50
5A-00012	30028	Ni-59	0.672 U	2.02	0.555	8.39	1.00 - 3.00
5A-00012	30027	Ni-63	0.414 U	1.51	0.458	4.92	0.00 - 0.50
5A-00012	30028	Ni-63	0.191 U	1.33	0.399	4.92	1.00 - 3.00
5A-00012	30027	Th-228	1.59	0.0955	0.162	3.98	0.00 - 0.50
5A-00012	30028	Th-228	2.06	0.108	0.197	3.98	1.00 - 3.00
5A-00012	30027	Th-234	1.31	0.158	0.106	3.19	0.00 - 0.50
5A-00012	30028	Th-234	1.54	0.188	0.135	3.19	1.00 - 3.00
5A-00012	30027	Th-232	1.42	0.0552	0.141	3.1	0.00 - 0.50
5A-00012	30028	Th-232	1.56	0.0209	0.152	3.1	1.00 - 3.00
5A-00012	30027	C-14	0.256 U	0.857	0.259	2.96	0.00 - 0.50
5A-00012	30028	C-14	0.118 U	0.854	0.257	2.96	1.00 - 3.00
5A-00012	30027	Pb-212	1.55	0.0268	0.0861	2.69	0.00 - 0.50
5A-00012	30028	Pb-212	1.61	0.0234	0.101	2.69	1.00 - 3.00
5A-00012	30027	Th-230	0.962	0.0553	0.107	2.2	0.00 - 0.50
5A-00012	30028	Th-230	0.888	0.0568	0.103	2.2	1.00 - 3.00
5A-00012	30027	Bi-212	0.941	0.132	0.0758	2.15	0.00 - 0.50
5A-00012	30028	Bi-212	0.94	0.093	0.0722	2.15	1.00 - 3.00
5A-00012	30027	U-233/234	0.751	0.0321	0.079	2.02	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00012	30028	U-233/234	0.983	0.0251	0.0854	2.02	1.00 - 3.00
5A-00012	30027	U-238	0.738	0.0321	0.078	1.8	0.00 - 0.50
5A-00012	30028	U-238	1.08	0.0199	0.0926	1.8	1.00 - 3.00
5A-00012	30027	Pb-214	0.867	0.0264	0.0403	1.7	0.00 - 0.50
5A-00012	30028	Pb-214	0.951	0.0218	0.0458	1.7	1.00 - 3.00
5A-00012	30027	Tc-99	0.217 U	1.38	0.41	1.63	0.00 - 0.50
5A-00012	30028	Tc-99	0.276 U	1.17	0.351	1.63	1.00 - 3.00
5A-00012	30027	Bi-214	0.831	0.0257	0.0402	1.59	0.00 - 0.50
5A-00012	30028	Bi-214	0.864	0.019	0.0385	1.59	1.00 - 3.00
5A-00012	30027	Tl-208	0.523	0.0163	0.0292	0.937	0.00 - 0.50
5A-00012	30028	Tl-208	0.486	0.0117	0.0262	0.937	1.00 - 3.00
5A-00012	30027	Pa-231	-0.0968 U	0.576	0.181	0.936	0.00 - 0.50
5A-00012	30028	Pa-231	-0.148 U	0.508	0.163	0.936	1.00 - 3.00
5A-00012	30027	Sr-90	-0.162 U	0.366	0.0896	0.485	0.00 - 0.50
5A-00012	30028	Sr-90	0.0304 U	0.29	0.0802	0.485	1.00 - 3.00
5A-00012	30027	Sb-125	0 U	0.0387	0.0115	0.354	0.00 - 0.50
5A-00012	30028	Sb-125	0.0135 U	0.0313	0.0099	0.354	1.00 - 3.00
5A-00012	30027	Eu-155	0.0884 SK	0.0415	0.0192	0.231	0.00 - 0.50
5A-00012	30028	Eu-155	0.0849 SK	0.0462	0.021	0.231	1.00 - 3.00
5A-00012	30027	Ac-227	-0.0477 U	0.137	0.0443	0.217	0.00 - 0.50
5A-00012	30028	Ac-227	-0.0374 U	0.126	0.0389	0.217	1.00 - 3.00
5A-00012	30027	Cs-137	-0.0032 U	0.0159	0.005	0.207	0.00 - 0.50
5A-00012	30028	Cs-137	0.0061 U	0.0115	0.004	0.207	1.00 - 3.00
5A-00012	30027	U-235/236	0.0378	0.0146	0.0145	0.151	0.00 - 0.50
5A-00012	30028	U-235/236	0.0867	0.009	0.018	0.151	1.00 - 3.00
5A-00012	30027	Eu-154	-0.0679 J U	0.0875	0.0316	0.15	0.00 - 0.50
5A-00012	30028	Eu-154	-0.0443 U	0.0597	0.024	0.15	1.00 - 3.00
5A-00012	30027	Th-229	0.0301	0.0554	0.0186	0.145	0.00 - 0.50
5A-00012	30028	Th-229	0.0309	0.0569	0.0191	0.145	1.00 - 3.00
5A-00012	30027	Np-239	0.0495 J	0.0931	0.0305	0.139	0.00 - 0.50
5A-00012	30028	Np-239	-0.0363 U	0.0844	0.0268	0.139	1.00 - 3.00
5A-00012	30027	Cs-134	0.0003 U	0.0144	0.005	0.0864	0.00 - 0.50
5A-00012	30028	Cs-134	-0.0028 U	0.0102	0.0035	0.0864	1.00 - 3.00
5A-00012	30027	Eu-152	-0.0127 U	0.0373	0.0118	0.0566	0.00 - 0.50
5A-00012	30028	Eu-152	-0.0136 U	0.0303	0.0106	0.0566	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00012	30027	Np-236	-0.0055 U	0.0224	0.0068	0.047	0.00 - 0.50
5A-00012	30028	Np-236	-0.0235 J U	0.0238	0.0092	0.047	1.00 - 3.00
5A-00012	30027	Am-241	-0.0045 U	0.0225	0.0039	0.0454	0.00 - 0.50
5A-00012	30028	Am-241	0.0047 U	0.0176	0.0048	0.0454	1.00 - 3.00
5A-00012	30027	Pu-236	-0.0023 U	0.0326	0.0077	0.0448	0.00 - 0.50
5A-00012	30028	Pu-236	-0.0057 U	0.0426	0.0098	0.0448	1.00 - 3.00
5A-00012	30027	Cm-243/244	-0.0015 U	0.0229	0.004	0.0443	0.00 - 0.50
5A-00012	30028	Cm-243/244	0.008	0.0179	0.0058	0.0443	1.00 - 3.00
5A-00012	30027	Ho-166m	-0.0009 U	0.0246	0.0072	0.0432	0.00 - 0.50
5A-00012	30028	Ho-166m	-0.0082 U	0.0167	0.0054	0.0432	1.00 - 3.00
5A-00012	30027	Pu-238	-0.002 U	0.0334	0.0083	0.0415	0.00 - 0.50
5A-00012	30028	Pu-238	-0.0025 U	0.0413	0.0102	0.0415	1.00 - 3.00
5A-00012	30027	Pu-239/240	0.004 U	0.0185	0.0049	0.0404	0.00 - 0.50
5A-00012	30028	Pu-239/240	0.0025 U	0.0229	0.0055	0.0404	1.00 - 3.00
5A-00012	30027	Na-22	-0.0079 U	0.0204	0.0073	0.037	0.00 - 0.50
5A-00012	30028	Na-22	0.0033 U	0.0145	0.0044	0.037	1.00 - 3.00
5A-00012	30027	Pu-244	0.008	0.0054	0.004	0.0313	0.00 - 0.50
5A-00012	30028	Pu-244	-0.0025 U	0.0182	0.0035	0.0313	1.00 - 3.00
5A-00012	30027	Co-60	0.0051 U	0.0182	0.0053	0.028	0.00 - 0.50
5A-00012	30028	Co-60	0.0035 U	0.0117	0.0036	0.028	1.00 - 3.00
5A-00012	30027	Sn-126	-0.0039 U	0.0156	0.0047	0.0237	0.00 - 0.50
5A-00012	30028	Sn-126	0.0021 U	0.011	0.0032	0.0237	1.00 - 3.00
5A-00012	30027	Nb-94	0.0072 SK	0.0141	0.0043	0.0214	0.00 - 0.50
5A-00012	30028	Nb-94	0.0041 U	0.0099	0.003	0.0214	1.00 - 3.00
5A-00013	30029	Cd-113m	5.9 U	32	9.7	3030	0.00 - 0.50
5A-00013	30030	Cd-113m	-19.1 U	110	37.9	3030	1.00 - 3.00
5A-00013	30029	Tm-171	-4.4 U J	4.7	1.5	72.4	0.00 - 0.50
5A-00013	30030	Tm-171	-8.5 U	12.5	5.12	72.4	1.00 - 3.00
5A-00013	30029	K-40	20.3	0.1	1	32.4	0.00 - 0.50
5A-00013	30030	K-40	23.2	0.107	1.41	32.4	1.00 - 3.00
5A-00013	30029	Ni-59	0 U L	0.21	0.058	8.39	0.00 - 0.50
5A-00013	30030	Ni-59	-0.309 UJ	2.26	0.669	8.39	1.00 - 3.00
5A-00013	30029	Ni-63	0.13 U	0.52	0.16	4.92	0.00 - 0.50
5A-00013	30030	Ni-63	-0.793 U	1.37	0.402	4.92	1.00 - 3.00
5A-00013	30029	Th-228	1.67	0.029	0.086	3.98	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00013	30030	Th-228	1.47	0.0207	0.135	3.98	1.00 - 3.00
5A-00013	30029	Th-234	0.332 R	0.13	0.045	3.19	0.00 - 0.50
5A-00013	30030	Th-234	1.59	0.245	0.15	3.19	1.00 - 3.00
5A-00013	30029	Th-232	1.17	0.008	0.061	3.1	0.00 - 0.50
5A-00013	30030	Th-232	1.21	0.0167	0.11	3.1	1.00 - 3.00
5A-00013	30029	C-14	-0.0027 U	0.032	0.0094	2.96	0.00 - 0.50
5A-00013	30030	C-14	-0.034 U	0.823	0.245	2.96	1.00 - 3.00
5A-00013	30029	Pb-212	1.56	0.02	0.1	2.69	0.00 - 0.50
5A-00013	30030	Pb-212	1.87	0.0332	0.114	2.69	1.00 - 3.00
5A-00013	30029	Th-230	0.909	0.014	0.05	2.2	0.00 - 0.50
5A-00013	30030	Th-230	0.814	0.0167	0.0848	2.2	1.00 - 3.00
5A-00013	30029	Bi-212	0.96	0.097	0.072	2.15	0.00 - 0.50
5A-00013	30030	Bi-212	1.32	0.125	0.0963	2.15	1.00 - 3.00
5A-00013	30029	U-233/234	0.644	0.018	0.038	2.02	0.00 - 0.50
5A-00013	30030	U-233/234	0.747	0.0386	0.0778	2.02	1.00 - 3.00
5A-00013	30029	U-238	0.634	0.003	0.037	1.8	0.00 - 0.50
5A-00013	30030	U-238	0.801	0.0112	0.0815	1.8	1.00 - 3.00
5A-00013	30029	Pb-214	0.867	0.022	0.047	1.7	0.00 - 0.50
5A-00013	30030	Pb-214	1.08	0.0282	0.0509	1.7	1.00 - 3.00
5A-00013	30029	Tc-99	-0.074 U	0.32	0.096	1.63	0.00 - 0.50
5A-00013	30030	Tc-99	-0.191 U	1.34	0.391	1.63	1.00 - 3.00
5A-00013	30029	Bi-214	0.767	0.022	0.042	1.59	0.00 - 0.50
5A-00013	30030	Bi-214	0.979	0.0245	0.0447	1.59	1.00 - 3.00
5A-00013	30029	Tl-208	0.454	0.014	0.025	0.937	0.00 - 0.50
5A-00013	30030	Tl-208	0.561	0.0164	0.0304	0.937	1.00 - 3.00
5A-00013	30029	Pa-231	0.09 U	0.47	0.14	0.936	0.00 - 0.50
5A-00013	30030	Pa-231	-0.183 U	0.678	0.218	0.936	1.00 - 3.00
5A-00013	30029	Sr-90	0.019 U	0.043	0.013	0.485	0.00 - 0.50
5A-00013	30030	Sr-90	0.134 K	0.212	0.0675	0.485	1.00 - 3.00
5A-00013	30029	Sb-125	0.105 SK	0.028	0.0088	0.354	0.00 - 0.50
5A-00013	30030	Sb-125	0.0089 U	0.0408	0.0123	0.354	1.00 - 3.00
5A-00013	30029	Eu-155	0.065 SK	0.031	0.013	0.231	0.00 - 0.50
5A-00013	30030	Eu-155	0.0314 JSK	0.0618	0.0216	0.231	1.00 - 3.00
5A-00013	30029	Ac-227	0.015 U	0.11	0.034	0.217	0.00 - 0.50
5A-00013	30030	Ac-227	0.0322 U J	0.164	0.0488	0.217	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00013	30029	Cs-137	0.0001 U	0.014	0.0043	0.207	0.00 - 0.50
5A-00013	30030	Cs-137	-0.0102 U J	0.0139	0.005	0.207	1.00 - 3.00
5A-00013	30029	U-235/236	0.0353	0.0037	0.0071	0.151	0.00 - 0.50
5A-00013	30030	U-235/236	0.0359	0.0139	0.0138	0.151	1.00 - 3.00
5A-00013	30029	Eu-154	-0.0001 U	0.067	0.02	0.15	0.00 - 0.50
5A-00013	30030	Eu-154	-0.0395 U	0.0834	0.0268	0.15	1.00 - 3.00
5A-00013	30029	Th-229	-0.0042 U	0.015	0.003	0.145	0.00 - 0.50
5A-00013	30030	Th-229	0 U	0.0743	0.0175	0.145	1.00 - 3.00
5A-00013	30029	Np-239	0.033 K R	0.052	0.019	0.139	0.00 - 0.50
5A-00013	30030	Np-239	-0.0104 U	0.109	0.0323	0.139	1.00 - 3.00
5A-00013	30029	Cs-134	0.0125 U J	0.037	0.0038	0.0864	0.00 - 0.50
5A-00013	30030	Cs-134	0.0217 JSK	0.0149	0.007	0.0864	1.00 - 3.00
5A-00013	30029	Te-125m	0.0244 SK	0.0065	0.002	0.0838	0.00 - 0.50
5A-00013	30029	Eu-152	0.0123 U	0.027	0.0063	0.0566	0.00 - 0.50
5A-00013	30030	Eu-152	-0.0255 U	0.0389	0.0168	0.0566	1.00 - 3.00
5A-00013	30029	Np-236	0.0001 U	0.024	0.0073	0.047	0.00 - 0.50
5A-00013	30030	Np-236	-0.0039 U	0.0306	0.0108	0.047	1.00 - 3.00
5A-00013	30029	Am-241	0.0021 U	0.0077	0.0021	0.0454	0.00 - 0.50
5A-00013	30030	Am-241	0.0036	0.0049	0.0026	0.0454	1.00 - 3.00
5A-00013	30030	Pu-236	0.0038 U	0.0284	0.0076	0.0448	1.00 - 3.00
5A-00013	30029	Cm-243/244	0.0011 U	0.0078	0.0018	0.0443	0.00 - 0.50
5A-00013	30030	Cm-243/244	0.0056	0.0137	0.0042	0.0443	1.00 - 3.00
5A-00013	30029	Ho-166m	-0.0011 U	0.017	0.0049	0.0432	0.00 - 0.50
5A-00013	30030	Ho-166m	0.0031 U	0.0223	0.0068	0.0432	1.00 - 3.00
5A-00013	30029	Pu-238	0.0012 U	0.0053	0.0014	0.0415	0.00 - 0.50
5A-00013	30030	Pu-238	0.0016 U	0.0119	0.0028	0.0415	1.00 - 3.00
5A-00013	30029	Pu-239/240	0.0009 U	0.0024	0.0009	0.0404	0.00 - 0.50
5A-00013	30030	Pu-239/240	0.0113	0.0228	0.0071	0.0404	1.00 - 3.00
5A-00013	30029	Cm-245/246	0 U	0.0073	0.0014	0.0401	0.00 - 0.50
5A-00013	30029	Na-22	0.0051 U	0.014	0.0042	0.037	0.00 - 0.50
5A-00013	30030	Na-22	-0.0058 U	0.0191	0.0059	0.037	1.00 - 3.00
5A-00013	30029	Pu-244	0 U	0.0024	0.0005	0.0313	0.00 - 0.50
5A-00013	30030	Pu-244	0.0016 U	0.0119	0.0028	0.0313	1.00 - 3.00
5A-00013	30029	Cm-247/248	0 U	0.0026	0.001	0.0306	0.00 - 0.50
5A-00013	30029	Co-60	0 U	0.015	0.003	0.028	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00013	30030	Co-60	0.0016 U	0.0153	0.0045	0.028	1.00 - 3.00
5A-00013	30029	Sn-126	0.0032 U	0.0095	0.0029	0.0237	0.00 - 0.50
5A-00013	30030	Sn-126	-0.0008 U	0.0139	0.0042	0.0237	1.00 - 3.00
5A-00013	30029	Nb-94	0.0026 U	0.01	0.0031	0.0214	0.00 - 0.50
5A-00013	30030	Nb-94	0.0055 U	0.0127	0.004	0.0214	1.00 - 3.00
5A-00015	30032	Cd-113m	10.6 U	31	9.5	3030	1.00 - 4.00
5A-00015	30032	Cd-113m	10.6	31	9.5	3030	1.00 - 4.00
5A-00015	30032	Tm-171	-5.3 U J	4.5	1.4	72.4	1.00 - 4.00
5A-00015	30032	Tm-171	-5.3	4.5	1.4	72.4	1.00 - 4.00
5A-00015	30032	K-40	19.1	0.11	0.93	32.4	1.00 - 4.00
5A-00015	30032	K-40	19.1	0.11	0.93	32.4	1.00 - 4.00
5A-00015	30032	Ni-59	0 U	0.15	0.039	8.39	1.00 - 4.00
5A-00015	30032	Ni-59	0	0.15	0.039	8.39	1.00 - 4.00
5A-00015	30032	Ni-63	0.21 U	0.62	0.19	4.92	1.00 - 4.00
5A-00015	30032	Ni-63	0.21	0.62	0.19	4.92	1.00 - 4.00
5A-00015	30032	Th-228	1.28	0.037	0.079	3.98	1.00 - 4.00
5A-00015	30032	Th-228	1.28	0.037	0.079	3.98	1.00 - 4.00
5A-00015	30032	Th-234	0.657 R	0.13	0.054	3.19	1.00 - 4.00
5A-00015	30032	Th-234	0.657	0.13	0.054	3.19	1.00 - 4.00
5A-00015	30032	Th-232	1.27	0.007	0.078	3.1	1.00 - 4.00
5A-00015	30032	Th-232	1.27	0.007	0.078	3.1	1.00 - 4.00
5A-00015	30032	C-14	0.0102 U	0.024	0.0072	2.96	1.00 - 4.00
5A-00015	30032	C-14	0.0102	0.024	0.0072	2.96	1.00 - 4.00
5A-00015	30032	Pb-212	1.62	0.023	0.09	2.69	1.00 - 4.00
5A-00015	30032	Pb-212	1.62	0.023	0.09	2.69	1.00 - 4.00
5A-00015	30032	Th-230	0.963	0.028	0.065	2.2	1.00 - 4.00
5A-00015	30032	Th-230	0.963	0.028	0.065	2.2	1.00 - 4.00
5A-00015	30032	Bi-212	1.09	0.11	0.083	2.15	1.00 - 4.00
5A-00015	30032	Bi-212	1.09	0.11	0.083	2.15	1.00 - 4.00
5A-00015	30032	U-233/234	0.785	0.007	0.043	2.02	1.00 - 4.00
5A-00015	30032	U-233/234	0.785	0.007	0.043	2.02	1.00 - 4.00
5A-00015	30032	U-238	0.837	0.007	0.045	1.8	1.00 - 4.00
5A-00015	30032	U-238	0.837	0.007	0.045	1.8	1.00 - 4.00
5A-00015	30032	Pb-214	0.896	0.021	0.045	1.7	1.00 - 4.00
5A-00015	30032	Pb-214	0.896	0.021	0.045	1.7	1.00 - 4.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00015	30032	Tc-99	-0.044 U	0.28	0.085	1.63	1.00 - 4.00
5A-00015	30032	Tc-99	-0.044	0.28	0.085	1.63	1.00 - 4.00
5A-00015	30032	Bi-214	0.801	0.021	0.042	1.59	1.00 - 4.00
5A-00015	30032	Bi-214	0.801	0.021	0.042	1.59	1.00 - 4.00
5A-00015	30032	Tl-208	0.494	0.015	0.026	0.937	1.00 - 4.00
5A-00015	30032	Tl-208	0.494	0.015	0.026	0.937	1.00 - 4.00
5A-00015	30032	Pa-231	-0.1 U	0.47	0.14	0.936	1.00 - 4.00
5A-00015	30032	Pa-231	-0.1	0.47	0.14	0.936	1.00 - 4.00
5A-00015	30032	Sr-90	-0.006	0.059	0.017	0.485	1.00 - 4.00
5A-00015	30032	Sr-90	-0.006 U	0.059	0.017	0.485	1.00 - 4.00
5A-00015	30032	Sb-125	0.155	0.033	0.011	0.354	1.00 - 4.00
5A-00015	30032	Sb-125	0.155 SK	0.033	0.011	0.354	1.00 - 4.00
5A-00015	30032	Eu-155	0.084 SK	0.029	0.013	0.231	1.00 - 4.00
5A-00015	30032	Eu-155	0.084	0.029	0.013	0.231	1.00 - 4.00
5A-00015	30032	Ac-227	0.092	0.087	0.035	0.217	1.00 - 4.00
5A-00015	30032	Ac-227	0.092	0.087	0.035	0.217	1.00 - 4.00
5A-00015	30032	Cs-137	-0.0078 L U	0.012	0.0038	0.207	1.00 - 4.00
5A-00015	30032	Cs-137	-0.0078	0.012	0.0038	0.207	1.00 - 4.00
5A-00015	30032	U-235/236	0.0423	0.0033	0.0074	0.151	1.00 - 4.00
5A-00015	30032	U-235/236	0.0423	0.0033	0.0074	0.151	1.00 - 4.00
5A-00015	30032	Eu-154	0.004 U	0.079	0.012	0.15	1.00 - 4.00
5A-00015	30032	Eu-154	0.004	0.079	0.012	0.15	1.00 - 4.00
5A-00015	30032	Th-229	0.0052	0.0094	0.0032	0.145	1.00 - 4.00
5A-00015	30032	Th-229	0.0052	0.0094	0.0032	0.145	1.00 - 4.00
5A-00015	30032	Np-239	0.022 U	0.062	0.019	0.139	1.00 - 4.00
5A-00015	30032	Np-239	0.022	0.062	0.019	0.139	1.00 - 4.00
5A-00015	30032	Cs-134	0.0121 U	0.034	0.0029	0.0864	1.00 - 4.00
5A-00015	30032	Cs-134	0.0121	0.034	0.0029	0.0864	1.00 - 4.00
5A-00015	30032	Te-125m	0.0358 SK	0.0076	0.0026	0.0838	1.00 - 4.00
5A-00015	30032	Te-125m	0.0358	0.0076	0.0026	0.0838	1.00 - 4.00
5A-00015	30032	Eu-152	0.0012 U	0.031	0.0008	0.0566	1.00 - 4.00
5A-00015	30032	Eu-152	0.0012	0.031	0.0008	0.0566	1.00 - 4.00
5A-00015	30032	Np-236	-0.0057 U	0.025	0.0075	0.047	1.00 - 4.00
5A-00015	30032	Np-236	-0.0057	0.025	0.0075	0.047	1.00 - 4.00
5A-00015	30032	Am-241	0.0009 U	0.0096	0.0024	0.0454	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00015	30032	Am-241	0.0009	0.0096	0.0024	0.0454	1.00 - 4.00
5A-00015	30032	Pu-236	0.0013 U	0.0057	0.0015	0.0448	1.00 - 4.00
5A-00015	30032	Pu-236	0.0013	0.0057	0.0015	0.0448	1.00 - 4.00
5A-00015	30032	Cm-243/244	0.0027	0.0024	0.0016	0.0443	1.00 - 4.00
5A-00015	30032	Cm-243/244	0.0027	0.0024	0.0016	0.0443	1.00 - 4.00
5A-00015	30032	Ho-166m	0.0176 SK	0.019	0.0044	0.0432	1.00 - 4.00
5A-00015	30032	Ho-166m	0.0176	0.019	0.0044	0.0432	1.00 - 4.00
5A-00015	30032	Pu-238	-0.0002 U	0.0091	0.0021	0.0415	1.00 - 4.00
5A-00015	30032	Pu-238	-0.0002	0.0091	0.0021	0.0415	1.00 - 4.00
5A-00015	30032	Pu-239/240	0.0008 U	0.0022	0.0008	0.0404	1.00 - 4.00
5A-00015	30032	Pu-239/240	0.0008	0.0022	0.0008	0.0404	1.00 - 4.00
5A-00015	30032	Cm-245/246	0.0029	0.0026	0.0017	0.0401	1.00 - 4.00
5A-00015	30032	Cm-245/246	0.0029	0.0026	0.0017	0.0401	1.00 - 4.00
5A-00015	30032	Na-22	-0.0021 U	0.017	0.0051	0.037	1.00 - 4.00
5A-00015	30032	Na-22	-0.0021	0.017	0.0051	0.037	1.00 - 4.00
5A-00015	30032	Pu-244	0	0.0022	0.0005	0.0313	1.00 - 4.00
5A-00015	30032	Pu-244	0 U	0.0022	0.0005	0.0313	1.00 - 4.00
5A-00015	30032	Cm-247/248	0.0009 U	0.0069	0.0016	0.0306	1.00 - 4.00
5A-00015	30032	Cm-247/248	0.0009	0.0069	0.0016	0.0306	1.00 - 4.00
5A-00015	30032	Co-60	-0.0011 U	0.014	0.0041	0.028	1.00 - 4.00
5A-00015	30032	Co-60	-0.0011	0.014	0.0041	0.028	1.00 - 4.00
5A-00015	30032	Sn-126	-0.0003	0.012	0.0035	0.0237	1.00 - 4.00
5A-00015	30032	Sn-126	-0.0003 U	0.012	0.0035	0.0237	1.00 - 4.00
5A-00015	30032	Nb-94	0.003	0.01	0.0023	0.0214	1.00 - 4.00
5A-00015	30032	Nb-94	0.003 U	0.01	0.0023	0.0214	1.00 - 4.00
5A-00016	30033	Cd-113m	-8.55 U	73.7	22.9	3030	0.00 - 0.50
5A-00016	30033	Tm-171	-1.09 U	4.58	1.59	72.4	0.00 - 0.50
5A-00016	30033	K-40	20.4	0.0801	1.09	32.4	0.00 - 0.50
5A-00016	30033	Ni-59	0.646 U	2.5	0.7	8.39	0.00 - 0.50
5A-00016	30033	Ni-63	0.421 U	1.54	0.466	4.92	0.00 - 0.50
5A-00016	30033	Th-228	1.55	0.145	0.167	3.98	0.00 - 0.50
5A-00016	30033	Th-234	1.36	0.137	0.105	3.19	0.00 - 0.50
5A-00016	30033	Th-232	1.09	0.0221	0.121	3.1	0.00 - 0.50
5A-00016	30033	C-14	0.0421 U	0.868	0.26	2.96	0.00 - 0.50
5A-00016	30033	Pb-212	1.46	0.021	0.0797	2.69	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00016	30033	Th-230	0.876	0.0222	0.104	2.2	0.00 - 0.50
5A-00016	30033	Bi-212	0.843	0.101	0.069	2.15	0.00 - 0.50
5A-00016	30033	U-233/234	0.978	0.0251	0.0899	2.02	0.00 - 0.50
5A-00016	30033	U-238	0.869	0.0447	0.0825	1.8	0.00 - 0.50
5A-00016	30033	Pb-214	0.91	0.0201	0.0414	1.7	0.00 - 0.50
5A-00016	30033	Tc-99	0.645	1.17	0.36	1.63	0.00 - 0.50
5A-00016	30033	Bi-214	0.883	0.0197	0.0403	1.59	0.00 - 0.50
5A-00016	30033	Tl-208	0.492	0.0122	0.0272	0.937	0.00 - 0.50
5A-00016	30033	Pa-231	0.186 U	0.468	0.157	0.936	0.00 - 0.50
5A-00016	30033	Sr-90	-0.0753 U	0.286	0.0675	0.485	0.00 - 0.50
5A-00016	30033	Sb-125	-0.0143 U	0.0296	0.0096	0.354	0.00 - 0.50
5A-00016	30033	Eu-155	0.0513 SK	0.0354	0.0149	0.231	0.00 - 0.50
5A-00016	30033	Ac-227	-0.033 U	0.112	0.0355	0.217	0.00 - 0.50
5A-00016	30033	Cs-137	0.0052	0.0126	0.0043	0.207	0.00 - 0.50
5A-00016	30033	U-235/236	0.0674	0.0114	0.0175	0.151	0.00 - 0.50
5A-00016	30033	Eu-154	-0.0196 U	0.0729	0.0227	0.15	0.00 - 0.50
5A-00016	30033	Th-229	0.041	0.0986	0.0297	0.145	0.00 - 0.50
5A-00016	30033	Np-239	-0.027 U	0.0722	0.0231	0.139	0.00 - 0.50
5A-00016	30033	Cs-134	-0.0002 U	0.0108	0.0038	0.0864	0.00 - 0.50
5A-00016	30033	Eu-152	-0.0097 U	0.0287	0.0099	0.0566	0.00 - 0.50
5A-00016	30033	Np-236	-0.0214 J U	0.0187	0.0075	0.047	0.00 - 0.50
5A-00016	30033	Am-241	0 U	0.0231	0.0042	0.0454	0.00 - 0.50
5A-00016	30033	Pu-236	0.0023 U	0.0328	0.0084	0.0448	0.00 - 0.50
5A-00016	30033	Cm-243/244	0.0052 U	0.0194	0.0052	0.0443	0.00 - 0.50
5A-00016	30033	Ho-166m	0.0007 U	0.0185	0.0054	0.0432	0.00 - 0.50
5A-00016	30033	Pu-238	0.0061 U	0.0303	0.0083	0.0415	0.00 - 0.50
5A-00016	30033	Pu-239/240	0.008	0.0148	0.0049	0.0404	0.00 - 0.50
5A-00016	30033	Na-22	-0.0108 J U	0.0155	0.0054	0.037	0.00 - 0.50
5A-00016	30033	Pu-244	0.002	0.0054	0.002	0.0313	0.00 - 0.50
5A-00016	30033	Co-60	-0.0001 U	0.0129	0.0038	0.028	0.00 - 0.50
5A-00016	30033	Sn-126	-0.0042 U	0.0116	0.0036	0.0237	0.00 - 0.50
5A-00016	30033	Nb-94	-0.0051 U	0.0103	0.0033	0.0214	0.00 - 0.50
5A-00017	30035	Cd-113m	5 U	34	10	3030	0.00 - 0.50
5A-00017	30036	Cd-113m	12 U	77.5	23.8	3030	1.00 - 2.00
5A-00017	30035	Tm-171	-1.7 U	5.5	1.7	72.4	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00017	30036	Tm-171	0.381 U	8.02	2.67	72.4	1.00 - 2.00
5A-00017	30035	K-40	21.1	0.1	1.1	32.4	0.00 - 0.50
5A-00017	30036	K-40	20.7	0.0786	1.11	32.4	1.00 - 2.00
5A-00017	30035	Ni-59	0 U	0.22	0.064	8.39	0.00 - 0.50
5A-00017	30036	Ni-59	0.596 UJ	3.59	0.876	8.39	1.00 - 2.00
5A-00017	30035	Ni-63	0.09 U	0.67	0.2	4.92	0.00 - 0.50
5A-00017	30036	Ni-63	0.121 U	1.01	0.302	4.92	1.00 - 2.00
5A-00017	30035	Th-228	1.35	0.018	0.069	3.98	0.00 - 0.50
5A-00017	30036	Th-228	1.28	0.152	0.132	3.98	1.00 - 2.00
5A-00017	30035	Th-234	0.37 R	0.14	0.047	3.19	0.00 - 0.50
5A-00017	30036	Th-234	1.23	0.174	0.101	3.19	1.00 - 2.00
5A-00017	30035	Th-232	1.42	0.003	0.072	3.1	0.00 - 0.50
5A-00017	30036	Th-232	1.05	0.0605	0.104	3.1	1.00 - 2.00
5A-00017	30035	C-14	0.024	0.031	0.0096	2.96	0.00 - 0.50
5A-00017	30036	C-14	-0.263 U	0.838	0.247	2.96	1.00 - 2.00
5A-00017	30035	Pb-212	1.6	0.02	0.1	2.69	0.00 - 0.50
5A-00017	30036	Pb-212	1.38	0.0226	0.0787	2.69	1.00 - 2.00
5A-00017	30035	Th-230	1	0.014	0.054	2.2	0.00 - 0.50
5A-00017	30036	Th-230	0.79	0.0481	0.0857	2.2	1.00 - 2.00
5A-00017	30035	Bi-212	1.04	0.12	0.089	2.15	0.00 - 0.50
5A-00017	30036	Bi-212	0.901	0.0979	0.0686	2.15	1.00 - 2.00
5A-00017	30035	U-233/234	0.66	0.01	0.041	2.02	0.00 - 0.50
5A-00017	30036	U-233/234	0.756	0.0453	0.0789	2.02	1.00 - 2.00
5A-00017	30035	U-238	0.692	0.004	0.042	1.8	0.00 - 0.50
5A-00017	30036	U-238	0.744	0.0551	0.0784	1.8	1.00 - 2.00
5A-00017	30035	Pb-214	0.817	0.021	0.045	1.7	0.00 - 0.50
5A-00017	30036	Pb-214	0.866	0.0205	0.0405	1.7	1.00 - 2.00
5A-00017	30035	Tc-99	-0.054 U	0.29	0.088	1.63	0.00 - 0.50
5A-00017	30036	Tc-99	-0.0917 U	1.29	0.378	1.63	1.00 - 2.00
5A-00017	30035	Bi-214	0.726	0.021	0.04	1.59	0.00 - 0.50
5A-00017	30036	Bi-214	0.791	0.0189	0.036	1.59	1.00 - 2.00
5A-00017	30035	Tl-208	0.486	0.015	0.027	0.937	0.00 - 0.50
5A-00017	30036	Tl-208	0.462	0.0121	0.0252	0.937	1.00 - 2.00
5A-00017	30035	Pa-231	0.12 U	0.45	0.14	0.936	0.00 - 0.50
5A-00017	30036	Pa-231	-0.165 U	0.47	0.151	0.936	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00017	30035	Sr-90	0.0209	0.032	0.01	0.485	0.00 - 0.50
5A-00017	30036	Sr-90	-0.0039 U	0.229	0.0631	0.485	1.00 - 2.00
5A-00017	30035	Sb-125	0.149 SK	0.031	0.012	0.354	0.00 - 0.50
5A-00017	30036	Sb-125	0.0175 JSK	0.0307	0.0101	0.354	1.00 - 2.00
5A-00017	30035	Eu-155	0.072 SK	0.03	0.013	0.231	0.00 - 0.50
5A-00017	30036	Eu-155	0.0961 SK	0.0415	0.0166	0.231	1.00 - 2.00
5A-00017	30035	Ac-227	0.058	0.12	0.036	0.217	0.00 - 0.50
5A-00017	30036	Ac-227	0.0195 U J	0.115	0.0343	0.217	1.00 - 2.00
5A-00017	30035	Cs-137	0.006 U	0.013	0.0038	0.207	0.00 - 0.50
5A-00017	30036	Cs-137	-0.0005 U	0.0109	0.0037	0.207	1.00 - 2.00
5A-00017	30035	U-235/236	0.028	0.0045	0.0069	0.151	0.00 - 0.50
5A-00017	30036	U-235/236	0.0104 U	0.0382	0.0104	0.151	1.00 - 2.00
5A-00017	30035	Eu-154	-0.031 U	0.081	0.025	0.15	0.00 - 0.50
5A-00017	30036	Eu-154	0.0292 U	0.0635	0.0219	0.15	1.00 - 2.00
5A-00017	30035	Th-229	0.0124	0.012	0.0047	0.145	0.00 - 0.50
5A-00017	30036	Th-229	0.0066 U	0.0705	0.0173	0.145	1.00 - 2.00
5A-00017	30035	Np-239	-0.012 U	0.076	0.023	0.139	0.00 - 0.50
5A-00017	30036	Np-239	-0.0017 U	0.0768	0.0226	0.139	1.00 - 2.00
5A-00017	30035	Cs-134	0.0129 U	0.037	0.0037	0.0864	0.00 - 0.50
5A-00017	30036	Cs-134	-0.0032 U	0.0107	0.0037	0.0864	1.00 - 2.00
5A-00017	30035	Te-125m	0.0344 SK	0.0071	0.0029	0.0838	0.00 - 0.50
5A-00017	30035	Eu-152	-0.0093 U	0.027	0.0082	0.0566	0.00 - 0.50
5A-00017	30036	Eu-152	-0.0148 U	0.029	0.0098	0.0566	1.00 - 2.00
5A-00017	30035	Np-236	0.0006 U	0.026	0.0077	0.047	0.00 - 0.50
5A-00017	30036	Np-236	0.004 U	0.0219	0.0067	0.047	1.00 - 2.00
5A-00017	30035	Am-241	0.0038	0.0071	0.0024	0.0454	0.00 - 0.50
5A-00017	30036	Am-241	0.0014 U	0.0134	0.0032	0.0454	1.00 - 2.00
5A-00017	30036	Pu-236	-0.0023 U	0.0244	0.0051	0.0448	1.00 - 2.00
5A-00017	30035	Cm-243/244	0.0019 U	0.0026	0.0014	0.0443	0.00 - 0.50
5A-00017	30036	Cm-243/244	0.0044	0.0108	0.0033	0.0443	1.00 - 2.00
5A-00017	30035	Ho-166m	0.0067 U J	0.019	0.0035	0.0432	0.00 - 0.50
5A-00017	30036	Ho-166m	-0.0056 U	0.0165	0.0051	0.0432	1.00 - 2.00
5A-00017	30035	Pu-238	0.0137	0.015	0.0046	0.0415	0.00 - 0.50
5A-00017	30036	Pu-238	0.0059	0.0146	0.0044	0.0415	1.00 - 2.00
5A-00017	30035	Pu-239/240	0 U	0.0049	0.0011	0.0404	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00017	30036	Pu-239/240	0.0039 U	0.0259	0.0068	0.0404	1.00 - 2.00
5A-00017	30035	Cm-245/246	0 U	0.0078	0.0015	0.0401	0.00 - 0.50
5A-00017	30035	Na-22	0.0035 U	0.019	0.0058	0.037	0.00 - 0.50
5A-00017	30036	Na-22	0.0028 U	0.0155	0.0046	0.037	1.00 - 2.00
5A-00017	30035	Pu-244	0.0018 U	0.0049	0.0018	0.0313	0.00 - 0.50
5A-00017	30036	Pu-244	0 U	0.0145	0.0028	0.0313	1.00 - 2.00
5A-00017	30035	Cm-247/248	0.0021 U	0.0028	0.0015	0.0306	0.00 - 0.50
5A-00017	30035	Co-60	0.0011 U	0.014	0.0015	0.028	0.00 - 0.50
5A-00017	30036	Co-60	-0.003 U	0.0119	0.0036	0.028	1.00 - 2.00
5A-00017	30035	Sn-126	-0.0013 U	0.012	0.0037	0.0237	0.00 - 0.50
5A-00017	30036	Sn-126	0.0079 J	0.0113	0.0038	0.0237	1.00 - 2.00
5A-00017	30035	Nb-94	0.0025 U	0.0087	0.0026	0.0214	0.00 - 0.50
5A-00017	30036	Nb-94	0.0047 U	0.0099	0.0031	0.0214	1.00 - 2.00
5A-00018	30037	Cd-113m	-4 U	34	10	3030	0.00 - 0.50
5A-00018	30037	Tm-171	-2.4 U	5.3	1.6	72.4	0.00 - 0.50
5A-00018	30037	K-40	22.4	0.1	1.1	32.4	0.00 - 0.50
5A-00018	30037	Ni-59	0 U	0.21	0.057	8.39	0.00 - 0.50
5A-00018	30037	Ni-63	0.21 U	0.61	0.18	4.92	0.00 - 0.50
5A-00018	30037	Th-228	1.32	0.011	0.066	3.98	0.00 - 0.50
5A-00018	30037	Th-234	1.35 R	0.13	0.096	3.19	0.00 - 0.50
5A-00018	30037	Th-232	1.27	0.003	0.064	3.1	0.00 - 0.50
5A-00018	30037	C-14	0.039	0.045	0.014	2.96	0.00 - 0.50
5A-00018	30037	Pb-212	1.61	0.02	0.11	2.69	0.00 - 0.50
5A-00018	30037	Th-230	0.868	0.01	0.046	2.2	0.00 - 0.50
5A-00018	30037	Bi-212	1.1	0.12	0.091	2.15	0.00 - 0.50
5A-00018	30037	U-233/234	0.63	0.016	0.04	2.02	0.00 - 0.50
5A-00018	30037	U-238	0.691	0.004	0.042	1.8	0.00 - 0.50
5A-00018	30037	Pb-214	0.807	0.022	0.044	1.7	0.00 - 0.50
5A-00018	30037	Tc-99	-0.042 U	0.28	0.084	1.63	0.00 - 0.50
5A-00018	30037	Bi-214	0.708	0.021	0.039	1.59	0.00 - 0.50
5A-00018	30037	Tl-208	0.482	0.016	0.027	0.937	0.00 - 0.50
5A-00018	30037	Pa-231	0.09 U	0.49	0.15	0.936	0.00 - 0.50
5A-00018	30037	Sr-90	-0.0036 U	0.034	0.0097	0.485	0.00 - 0.50
5A-00018	30037	Sb-125	0.123 SK	0.035	0.01	0.354	0.00 - 0.50
5A-00018	30037	Eu-155	0.064 SK	0.028	0.012	0.231	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00018	30037	Ac-227	0.072	0.12	0.015	0.217	0.00 - 0.50
5A-00018	30037	Cs-137	0.0137	0.0091	0.004	0.207	0.00 - 0.50
5A-00018	30037	U-235/236	0.0406	0.012	0.0088	0.151	0.00 - 0.50
5A-00018	30037	Eu-154	0.0027 U	0.077	0.0089	0.15	0.00 - 0.50
5A-00018	30037	Th-229	0.0021 U	0.012	0.0032	0.145	0.00 - 0.50
5A-00018	30037	Np-239	0.017 U	0.075	0.023	0.139	0.00 - 0.50
5A-00018	30037	Cs-134	0.0031 U	0.043	0.0093	0.0864	0.00 - 0.50
5A-00018	30037	Te-125m	0.0283 SK	0.008	0.0024	0.0838	0.00 - 0.50
5A-00018	30037	Eu-152	-0.0023 U	0.031	0.0023	0.0566	0.00 - 0.50
5A-00018	30037	Np-236	-0.0109 U	0.026	0.008	0.047	0.00 - 0.50
5A-00018	30037	Am-241	0 U	0.011	0.0024	0.0454	0.00 - 0.50
5A-00018	30037	Cm-243/244	0.0025 U	0.0033	0.0017	0.0443	0.00 - 0.50
5A-00018	30037	Ho-166m	0.0035 U J	0.02	0.0021	0.0432	0.00 - 0.50
5A-00018	30037	Pu-238	0.0057	0.011	0.0026	0.0415	0.00 - 0.50
5A-00018	30037	Pu-239/240	0.0028	0.0049	0.0017	0.0404	0.00 - 0.50
5A-00018	30037	Cm-245/246	0.004	0.0036	0.0023	0.0401	0.00 - 0.50
5A-00018	30037	Na-22	0.0018 U	0.02	0.006	0.037	0.00 - 0.50
5A-00018	30037	Pu-244	0.002	0.0049	0.0015	0.0313	0.00 - 0.50
5A-00018	30037	Cm-247/248	0.0005 U	0.0077	0.0015	0.0306	0.00 - 0.50
5A-00018	30037	Co-60	0.0019 U	0.015	0.0046	0.028	0.00 - 0.50
5A-00018	30037	Sn-126	-0.0042 U	0.013	0.004	0.0237	0.00 - 0.50
5A-00018	30037	Nb-94	0.0036 U	0.011	0.0022	0.0214	0.00 - 0.50
5A-00019	30039	Cd-113m	9 U	40	12	3030	0.00 - 0.50
5A-00019	30040	Cd-113m	-46.9 U	86	30.4	3030	1.00 - 2.00
5A-00019	30039	Tm-171	0.8 U	6.3	1.9	72.4	0.00 - 0.50
5A-00019	30040	Tm-171	0.224 U	10.1	3.53	72.4	1.00 - 2.00
5A-00019	30039	K-40	19	0.14	0.94	32.4	0.00 - 0.50
5A-00019	30040	K-40	22.7	0.077	1.29	32.4	1.00 - 2.00
5A-00019	30039	Ni-59	0 U L	0.22	0.057	8.39	0.00 - 0.50
5A-00019	30040	Ni-59	0.311 UJ	3.6	0.886	8.39	1.00 - 2.00
5A-00019	30039	Ni-63	0.17 U	0.54	0.16	4.92	0.00 - 0.50
5A-00019	30040	Ni-63	0 U	1.16	0.343	4.92	1.00 - 2.00
5A-00019	30039	Th-228	1.7	0.025	0.086	3.98	0.00 - 0.50
5A-00019	30040	Th-228	1.27	0.0868	0.118	3.98	1.00 - 2.00
5A-00019	30039	Th-234	0.62 R	0.15	0.058	3.19	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00019	30040	Th-234	1.33	0.201	0.116	3.19	1.00 - 2.00
5A-00019	30039	Th-232	1.28	0.009	0.065	3.1	0.00 - 0.50
5A-00019	30040	Th-232	1.01	0.0145	0.0928	3.1	1.00 - 2.00
5A-00019	30039	C-14	0.046 U	0.12	0.037	2.96	0.00 - 0.50
5A-00019	30040	C-14	-0.166 U	0.875	0.259	2.96	1.00 - 2.00
5A-00019	30039	Pb-212	1.53	0.029	0.087	2.69	0.00 - 0.50
5A-00019	30040	Pb-212	1.72	0.0266	0.108	2.69	1.00 - 2.00
5A-00019	30039	Th-230	0.886	0.01	0.048	2.2	0.00 - 0.50
5A-00019	30040	Th-230	0.92	0.0643	0.0886	2.2	1.00 - 2.00
5A-00019	30039	Bi-212	0.962	0.14	0.086	2.15	0.00 - 0.50
5A-00019	30040	Bi-212	0.997	0.106	0.0738	2.15	1.00 - 2.00
5A-00019	30039	U-233/234	0.719	0.009	0.042	2.02	0.00 - 0.50
5A-00019	30040	U-233/234	0.997	0.072	0.103	2.02	1.00 - 2.00
5A-00019	30039	U-238	0.749	0.003	0.043	1.8	0.00 - 0.50
5A-00019	30040	U-238	1.01	0.0376	0.103	1.8	1.00 - 2.00
5A-00019	30039	Pb-214	0.883	0.027	0.046	1.7	0.00 - 0.50
5A-00019	30040	Pb-214	0.906	0.0226	0.0441	1.7	1.00 - 2.00
5A-00019	30039	Tc-99	-0.079 U	0.28	0.085	1.63	0.00 - 0.50
5A-00019	30040	Tc-99	0.255 U	1.2	0.358	1.63	1.00 - 2.00
5A-00019	30039	Bi-214	0.794	0.024	0.042	1.59	0.00 - 0.50
5A-00019	30040	Bi-214	0.825	0.0194	0.0374	1.59	1.00 - 2.00
5A-00019	30039	Tl-208	0.47	0.017	0.025	0.937	0.00 - 0.50
5A-00019	30040	Tl-208	0.519	0.0131	0.028	0.937	1.00 - 2.00
5A-00019	30039	Pa-231	-0.05 U	0.57	0.17	0.936	0.00 - 0.50
5A-00019	30040	Pa-231	-0.187 U	0.533	0.18	0.936	1.00 - 2.00
5A-00019	30039	Sr-90	0.024	0.038	0.012	0.485	0.00 - 0.50
5A-00019	30040	Sr-90	0.13 K	0.195	0.0628	0.485	1.00 - 2.00
5A-00019	30039	Sb-125	0.117 SK	0.042	0.011	0.354	0.00 - 0.50
5A-00019	30040	Sb-125	0.0186 JSK	0.0332	0.0108	0.354	1.00 - 2.00
5A-00019	30039	Eu-155	0.062 SK	0.033	0.013	0.231	0.00 - 0.50
5A-00019	30040	Eu-155	0.0586 SK	0.0495	0.0201	0.231	1.00 - 2.00
5A-00019	30039	Ac-227	0.026 U	0.12	0.051	0.217	0.00 - 0.50
5A-00019	30040	Ac-227	-0.057 U J	0.13	0.0417	0.217	1.00 - 2.00
5A-00019	30039	Cs-137	0.0266	0.017	0.0067	0.207	0.00 - 0.50
5A-00019	30040	Cs-137	-0.0033 U	0.0116	0.0035	0.207	1.00 - 2.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00019	30039	U-235/236	0.0428	0.014	0.0087	0.151	0.00 - 0.50
5A-00019	30040	U-235/236	0.0442	0.0465	0.0192	0.151	1.00 - 2.00
5A-00019	30039	Eu-154	0.003 U	0.11	0.032	0.15	0.00 - 0.50
5A-00019	30040	Eu-154	-0.0498 U J	0.0706	0.0248	0.15	1.00 - 2.00
5A-00019	30039	Th-229	0.0001 U	0.011	0.0026	0.145	0.00 - 0.50
5A-00019	30040	Th-229	-0.0054 U	0.0703	0.0161	0.145	1.00 - 2.00
5A-00019	30039	Np-239	0.006 U	0.087	0.026	0.139	0.00 - 0.50
5A-00019	30040	Np-239	-0.0039 U	0.0876	0.0262	0.139	1.00 - 2.00
5A-00019	30039	Cs-134	-0.0134 U J	0.017	0.0054	0.0864	0.00 - 0.50
5A-00019	30040	Cs-134	-0.0034 U	0.0115	0.004	0.0864	1.00 - 2.00
5A-00019	30039	Te-125m	0.0271 SK	0.0097	0.0026	0.0838	0.00 - 0.50
5A-00019	30039	Eu-152	-0.003 U	0.039	0.012	0.0566	0.00 - 0.50
5A-00019	30040	Eu-152	-0.0325 U J	0.0319	0.0129	0.0566	1.00 - 2.00
5A-00019	30039	Np-236	0.0041 U	0.029	0.0086	0.047	0.00 - 0.50
5A-00019	30040	Np-236	-0.0082 U	0.0255	0.0077	0.047	1.00 - 2.00
5A-00019	30039	Am-241	0 U	0.0065	0.0012	0.0454	0.00 - 0.50
5A-00019	30040	Am-241	-0.0013 U	0.0209	0.0051	0.0454	1.00 - 2.00
5A-00019	30040	Pu-236	0.0035 U	0.0162	0.0043	0.0448	1.00 - 2.00
5A-00019	30039	Cm-243/244	0 U	0.0024	0.0009	0.0443	0.00 - 0.50
5A-00019	30040	Cm-243/244	0 U	0.0177	0.0043	0.0443	1.00 - 2.00
5A-00019	30039	Ho-166m	0.0059 U	0.026	0.0047	0.0432	0.00 - 0.50
5A-00019	30040	Ho-166m	-0.0074 U	0.0176	0.0055	0.0432	1.00 - 2.00
5A-00019	30039	Pu-238	-0.0016 U	0.0082	0.0014	0.0415	0.00 - 0.50
5A-00019	30040	Pu-238	0 U	0.0161	0.0037	0.0415	1.00 - 2.00
5A-00019	30039	Pu-239/240	0.0028	0.0049	0.0017	0.0404	0.00 - 0.50
5A-00019	30040	Pu-239/240	0.0045	0.004	0.0026	0.0404	1.00 - 2.00
5A-00019	30039	Cm-245/246	0.0039	0.0035	0.0023	0.0401	0.00 - 0.50
5A-00019	30039	Na-22	0.0016 U	0.026	0.0078	0.037	0.00 - 0.50
5A-00019	30040	Na-22	-0.0105 U	0.0154	0.0062	0.037	1.00 - 2.00
5A-00019	30039	Pu-244	0.0016	0.0022	0.0012	0.0313	0.00 - 0.50
5A-00019	30040	Pu-244	0.003 U	0.011	0.003	0.0313	1.00 - 2.00
5A-00019	30039	Cm-247/248	-0.0008 U	0.0076	0.0008	0.0306	0.00 - 0.50
5A-00019	30039	Co-60	0.0114 K R	0.019	0.0058	0.028	0.00 - 0.50
5A-00019	30040	Co-60	0.0004 U	0.0124	0.0037	0.028	1.00 - 2.00
5A-00019	30039	Sn-126	-0.0037 U	0.017	0.005	0.0237	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00019	30040	Sn-126	-0.0026 U	0.0114	0.0034	0.0237	1.00 - 2.00
5A-00019	30039	Nb-94	0.0041 U	0.014	0.0043	0.0214	0.00 - 0.50
5A-00019	30040	Nb-94	0.0014 U	0.0104	0.0031	0.0214	1.00 - 2.00
5A-00020	30279	Cd-113m	-23.3 U J	91	28.9	3030	0.00 - 0.50
5A-00020	30280	Cd-113m	-20.5 U	93.5	29.3	3030	1.00 - 2.50
5A-00020	30279	Tm-171	1.58 U	10.1	3.54	72.4	0.00 - 0.50
5A-00020	30280	Tm-171	-7.58 U	12	4.44	72.4	1.00 - 2.50
5A-00020	30279	K-40	24.8	0.0866	1.4	32.4	0.00 - 0.50
5A-00020	30280	K-40	22	0.104	1.31	32.4	1.00 - 2.50
5A-00020	30279	Th-228	1.31	0.0898	0.131	3.98	0.00 - 0.50
5A-00020	30280	Th-228	1.33	0.135	0.143	3.98	1.00 - 2.50
5A-00020	30279	Th-234	1.55	0.203	0.129	3.19	0.00 - 0.50
5A-00020	30280	Th-234	1.24	0.214	0.12	3.19	1.00 - 2.50
5A-00020	30279	Th-232	1.15	0.0179	0.11	3.1	0.00 - 0.50
5A-00020	30280	Th-232	1.15	0.0532	0.119	3.1	1.00 - 2.50
5A-00020	30279	Pb-212	1.5	0.027	0.0938	2.69	0.00 - 0.50
5A-00020	30280	Pb-212	1.32	0.0257	0.0878	2.69	1.00 - 2.50
5A-00020	30279	Th-230	0.971	0.0614	0.0987	2.2	0.00 - 0.50
5A-00020	30280	Th-230	0.826	0.0533	0.0954	2.2	1.00 - 2.50
5A-00020	30279	Bi-212	0.961	0.109	0.0748	2.15	0.00 - 0.50
5A-00020	30280	Bi-212	0.765	0.11	0.0691	2.15	1.00 - 2.50
5A-00020	30279	U-233/234	0.82	0.0346	0.0903	2.02	0.00 - 0.50
5A-00020	30280	U-233/234	0.768	0.0468	0.0807	2.02	1.00 - 2.50
5A-00020	30279	U-238	0.948	0.0346	0.1	1.8	0.00 - 0.50
5A-00020	30280	U-238	0.842	0.032	0.0858	1.8	1.00 - 2.50
5A-00020	30279	Pb-214	1.07	0.024	0.0515	1.7	0.00 - 0.50
5A-00020	30280	Pb-214	0.897	0.0247	0.0461	1.7	1.00 - 2.50
5A-00020	30279	Bi-214	0.971	0.0205	0.043	1.59	0.00 - 0.50
5A-00020	30280	Bi-214	0.806	0.0215	0.0381	1.59	1.00 - 2.50
5A-00020	30279	Tl-208	0.464	0.0138	0.0259	0.937	0.00 - 0.50
5A-00020	30280	Tl-208	0.429	0.0136	0.0242	0.937	1.00 - 2.50
5A-00020	30279	Pa-231	-0.0333 U	0.565	0.176	0.936	0.00 - 0.50
5A-00020	30280	Pa-231	0.23 U	0.571	0.199	0.936	1.00 - 2.50
5A-00020	30279	Sr-90	0.0716 K	0.0995	0.0329	0.485	0.00 - 0.50
5A-00020	30280	Sr-90	0.0506 U	0.33	0.094	0.485	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00020	30279	Sb-125	-0.0009 U	0.0348	0.0106	0.354	0.00 - 0.50
5A-00020	30280	Sb-125	0.0141 U	0.0351	0.0111	0.354	1.00 - 2.50
5A-00020	30279	Eu-155	0.0675 SK	0.0504	0.0182	0.231	0.00 - 0.50
5A-00020	30280	Eu-155	0.06 SK	0.051	0.0193	0.231	1.00 - 2.50
5A-00020	30279	Ac-227	-0.0766 U	0.136	0.045	0.217	0.00 - 0.50
5A-00020	30280	Ac-227	-0.0847 U	0.137	0.046	0.217	1.00 - 2.50
5A-00020	30279	Cs-137	0.13	0.0117	0.0086	0.207	0.00 - 0.50
5A-00020	30280	Cs-137	0.0114 U	0.0137	0.0052	0.207	1.00 - 2.50
5A-00020	30279	U-235/236	0.0258	0.0608	0.0186	0.151	0.00 - 0.50
5A-00020	30280	U-235/236	0.0322	0.0395	0.0154	0.151	1.00 - 2.50
5A-00020	30279	Eu-154	-0.0533 U J	0.0718	0.0256	0.15	0.00 - 0.50
5A-00020	30280	Eu-154	-0.0156 U	0.078	0.0233	0.15	1.00 - 2.50
5A-00020	30279	Th-229	0.0729	0.0179	0.0224	0.145	0.00 - 0.50
5A-00020	30280	Th-229	0.0363	0.0674	0.0219	0.145	1.00 - 2.50
5A-00020	30279	Np-239	-0.0037 U	0.0894	0.0267	0.139	0.00 - 0.50
5A-00020	30280	Np-239	0.0018 U	0.0919	0.0271	0.139	1.00 - 2.50
5A-00020	30279	Cs-134	-0.0042 U	0.0116	0.0041	0.0864	0.00 - 0.50
5A-00020	30280	Cs-134	-0.0053 U	0.0118	0.0043	0.0864	1.00 - 2.50
5A-00020	30279	Eu-152	-0.0041 U	0.0336	0.0125	0.0566	0.00 - 0.50
5A-00020	30280	Eu-152	-0.0169 U	0.0339	0.0126	0.0566	1.00 - 2.50
5A-00020	30279	Np-236	-0.0078 U	0.0257	0.0078	0.047	0.00 - 0.50
5A-00020	30280	Np-236	-0.0157 U	0.0257	0.0088	0.047	1.00 - 2.50
5A-00020	30279	Am-241	0.0032 U	0.0149	0.0039	0.0454	0.00 - 0.50
5A-00020	30280	Am-241	0.0061	0.0083	0.0044	0.0454	1.00 - 2.50
5A-00020	30279	Pu-236	-0.0029 U	0.0202	0.0045	0.0448	0.00 - 0.50
5A-00020	30280	Pu-236	0.007 U	0.0264	0.0075	0.0448	1.00 - 2.50
5A-00020	30279	Cm-243/244	0.0049	0.0045	0.0029	0.0443	0.00 - 0.50
5A-00020	30280	Cm-243/244	0 U	0.0211	0.0038	0.0443	1.00 - 2.50
5A-00020	30279	Ho-166m	0.0011 U	0.0181	0.0053	0.0432	0.00 - 0.50
5A-00020	30280	Ho-166m	-0.0032 U	0.0198	0.006	0.0432	1.00 - 2.50
5A-00020	30279	Pu-238	0.0037 U	0.0186	0.0051	0.0415	0.00 - 0.50
5A-00020	30280	Pu-238	0.0015 U	0.0112	0.0026	0.0415	1.00 - 2.50
5A-00020	30279	Pu-239/240	0.0062	0.0115	0.0037	0.0404	0.00 - 0.50
5A-00020	30280	Pu-239/240	0.003 U	0.0214	0.0057	0.0404	1.00 - 2.50
5A-00020	30279	Na-22	-0.0092 U	0.0163	0.0061	0.037	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00020	30280	Na-22	-0.0016 U	0.0176	0.0057	0.037	1.00 - 2.50
5A-00020	30279	Pu-244	0.0049	0.0034	0.0025	0.0313	0.00 - 0.50
5A-00020	30280	Pu-244	0 U	0.0112	0.0021	0.0313	1.00 - 2.50
5A-00020	30279	Co-60	0.0006 U	0.0132	0.004	0.028	0.00 - 0.50
5A-00020	30280	Co-60	0.0005 U	0.0146	0.0043	0.028	1.00 - 2.50
5A-00020	30279	Sn-126	0.0089 J	0.012	0.004	0.0237	0.00 - 0.50
5A-00020	30280	Sn-126	0.0007 U	0.0127	0.0038	0.0237	1.00 - 2.50
5A-00020	30279	Nb-94	0.0088 JSK	0.0109	0.0037	0.0214	0.00 - 0.50
5A-00020	30280	Nb-94	0.0019 U	0.0112	0.0033	0.0214	1.00 - 2.50
5A-00021	30281	Cd-113m	2 U	34	10	3030	0.00 - 0.50
5A-00021	30282	Cd-113m	0 U	42	9.5	3030	1.00 - 4.00
5A-00021	30281	Tm-171	-3.2 U	5.5	1.7	72.4	0.00 - 0.50
5A-00021	30282	Tm-171	-1.2 U	6.5	2	72.4	1.00 - 4.00
5A-00021	30281	K-40	21.3	0.1	1	32.4	0.00 - 0.50
5A-00021	30282	K-40	19.6	0.16	0.97	32.4	1.00 - 4.00
5A-00021	30281	Th-228	1.27	0.013	0.063	3.98	0.00 - 0.50
5A-00021	30282	Th-228	1.9	0.07	0.11	3.98	1.00 - 4.00
5A-00021	30281	Th-234	1.43 R	0.13	0.094	3.19	0.00 - 0.50
5A-00021	30282	Th-234	0.574 R	0.17	0.061	3.19	1.00 - 4.00
5A-00021	30281	Th-232	1.2	0.006	0.06	3.1	0.00 - 0.50
5A-00021	30282	Th-232	1.48	0.027	0.085	3.1	1.00 - 4.00
5A-00021	30281	Pb-212	1.61	0.019	0.09	2.69	0.00 - 0.50
5A-00021	30282	Pb-212	1.73	0.027	0.085	2.69	1.00 - 4.00
5A-00021	30281	Th-230	0.972	0.01	0.05	2.2	0.00 - 0.50
5A-00021	30282	Th-230	1.12	0.006	0.069	2.2	1.00 - 4.00
5A-00021	30281	Bi-212	1.03	0.095	0.073	2.15	0.00 - 0.50
5A-00021	30282	Bi-212	1.34	0.15	0.11	2.15	1.00 - 4.00
5A-00021	30281	U-233/234	0.903	0.008	0.049	2.02	0.00 - 0.50
5A-00021	30282	U-233/234	0.825	0.01	0.049	2.02	1.00 - 4.00
5A-00021	30281	U-238	0.904	0.003	0.049	1.8	0.00 - 0.50
5A-00021	30282	U-238	0.852	0.004	0.05	1.8	1.00 - 4.00
5A-00021	30281	Pb-214	0.974	0.023	0.049	1.7	0.00 - 0.50
5A-00021	30282	Pb-214	1.05	0.027	0.06	1.7	1.00 - 4.00
5A-00021	30281	Bi-214	0.864	0.021	0.045	1.59	0.00 - 0.50
5A-00021	30282	Bi-214	0.984	0.027	0.052	1.59	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00021	30281	Tl-208	0.458	0.015	0.024	0.937	0.00 - 0.50
5A-00021	30282	Tl-208	0.588	0.019	0.031	0.937	1.00 - 4.00
5A-00021	30281	Pa-231	-0.1 U	0.48	0.14	0.936	0.00 - 0.50
5A-00021	30282	Pa-231	0.13 U	0.58	0.18	0.936	1.00 - 4.00
5A-00021	30281	Sr-90	0.03	0.037	0.012	0.485	0.00 - 0.50
5A-00021	30282	Sr-90	-0.025 U	0.052	0.013	0.485	1.00 - 4.00
5A-00021	30281	Sb-125	0.117 SK	0.032	0.0094	0.354	0.00 - 0.50
5A-00021	30282	Sb-125	0.156 SK	0.036	0.013	0.354	1.00 - 4.00
5A-00021	30281	Eu-155	0.082 SK	0.029	0.012	0.231	0.00 - 0.50
5A-00021	30282	Eu-155	0.083 SK	0.039	0.017	0.231	1.00 - 4.00
5A-00021	30281	Ac-227	0.095 J	0.091	0.017	0.217	0.00 - 0.50
5A-00021	30282	Ac-227	0.066	0.12	0.024	0.217	1.00 - 4.00
5A-00021	30281	Cs-137	0.0207	0.0088	0.0039	0.207	0.00 - 0.50
5A-00021	30282	Cs-137	-0.0007 U	0.016	0.0048	0.207	1.00 - 4.00
5A-00021	30281	U-235/236	0.0319	0.0038	0.0068	0.151	0.00 - 0.50
5A-00021	30282	U-235/236	0.049	0.016	0.01	0.151	1.00 - 4.00
5A-00021	30281	Eu-154	-0.036 U J	0.076	0.023	0.15	0.00 - 0.50
5A-00021	30282	Eu-154	-0.002 U	0.1	0.031	0.15	1.00 - 4.00
5A-00021	30281	Th-229	0.0054	0.0084	0.0029	0.145	0.00 - 0.50
5A-00021	30282	Th-229	0.0097	0.0081	0.0036	0.145	1.00 - 4.00
5A-00021	30281	Np-239	-0.01 U	0.071	0.021	0.139	0.00 - 0.50
5A-00021	30282	Np-239	-0.01 U	0.089	0.027	0.139	1.00 - 4.00
5A-00021	30281	Cs-134	0.0149 U J	0.037	0.0035	0.0864	0.00 - 0.50
5A-00021	30282	Cs-134	0.0181 U J	0.059	0.0059	0.0864	1.00 - 4.00
5A-00021	30281	Te-125m	0.027 SK	0.0075	0.0022	0.0838	0.00 - 0.50
5A-00021	30282	Te-125m	0.0359 SK	0.0083	0.003	0.0838	1.00 - 4.00
5A-00021	30281	Eu-152	-0.0119 U	0.031	0.0094	0.0566	0.00 - 0.50
5A-00021	30282	Eu-152	0.0186 U	0.039	0.008	0.0566	1.00 - 4.00
5A-00021	30281	Np-236	0 U	0.026	0.0078	0.047	0.00 - 0.50
5A-00021	30282	Np-236	-0.0039 U	0.033	0.0099	0.047	1.00 - 4.00
5A-00021	30281	Am-241	0.0022 U	0.013	0.0035	0.0454	0.00 - 0.50
5A-00021	30282	Am-241	0.0011 U	0.003	0.0011	0.0454	1.00 - 4.00
5A-00021	30281	Pu-236	-0.0017 U	0.008	0.001	0.0448	0.00 - 0.50
5A-00021	30281	Cm-243/244	0.0011 U	0.01	0.0025	0.0443	0.00 - 0.50
5A-00021	30282	Cm-243/244	0 U	0.003	0.0011	0.0443	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00021	30281	Ho-166m	0.0061 U	0.016	0.0076	0.0432	0.00 - 0.50
5A-00021	30282	Ho-166m	0.0156 SK	0.026	0.0083	0.0432	1.00 - 4.00
5A-00021	30281	Pu-238	0.0021 U	0.0074	0.0021	0.0415	0.00 - 0.50
5A-00021	30282	Pu-238	0.0002 U	0.007	0.0015	0.0415	1.00 - 4.00
5A-00021	30281	Pu-239/240	0.0011 U	0.0048	0.0012	0.0404	0.00 - 0.50
5A-00021	30282	Pu-239/240	0.0012 U	0.005	0.0013	0.0404	1.00 - 4.00
5A-00021	30281	Cm-245/246	0.0025 U	0.0033	0.0017	0.0401	0.00 - 0.50
5A-00021	30282	Cm-245/246	-0.0012 U	0.011	0.0021	0.0401	1.00 - 4.00
5A-00021	30281	Na-22	0.0023 U	0.018	0.0054	0.037	0.00 - 0.50
5A-00021	30282	Na-22	-0.0002 U	0.025	0.0075	0.037	1.00 - 4.00
5A-00021	30281	Pu-244	0.0006 U	0.0058	0.0013	0.0313	0.00 - 0.50
5A-00021	30282	Pu-244	0.0008 U	0.0023	0.0008	0.0313	1.00 - 4.00
5A-00021	30281	Cm-247/248	0 U	0.0033	0.0012	0.0306	0.00 - 0.50
5A-00021	30282	Cm-247/248	0.0012 U	0.0032	0.0012	0.0306	1.00 - 4.00
5A-00021	30281	Co-60	0.0022 U	0.014	0.0019	0.028	0.00 - 0.50
5A-00021	30282	Co-60	0.0044 U	0.018	0.0043	0.028	1.00 - 4.00
5A-00021	30281	Sn-126	-0.0017 U	0.012	0.0038	0.0237	0.00 - 0.50
5A-00021	30282	Sn-126	-0.0031 U	0.017	0.005	0.0237	1.00 - 4.00
5A-00021	30281	Nb-94	0.0099 SK	0.0078	0.0034	0.0214	0.00 - 0.50
5A-00021	30282	Nb-94	-0.0002 U	0.014	0.0042	0.0214	1.00 - 4.00
5A-00022	30283	Cd-113m	-10.6 U J	84.7	26	3030	0.00 - 0.50
5A-00022	30284	Cd-113m	0 U	34	7.9	3030	1.00 - 5.00
5A-00022	30283	Tm-171	-1.6 U	8.61	2.93	72.4	0.00 - 0.50
5A-00022	30284	Tm-171	0.2 U	4.5	1.4	72.4	1.00 - 5.00
5A-00022	30283	K-40	23.8	0.0876	1.33	32.4	0.00 - 0.50
5A-00022	30284	K-40	19.5	0.13	0.99	32.4	1.00 - 5.00
5A-00022	30283	Th-228	0.882	0.124	0.0992	3.98	0.00 - 0.50
5A-00022	30284	Th-228	1.91	0.04	0.1	3.98	1.00 - 5.00
5A-00022	30283	Th-234	1.59	0.18	0.128	3.19	0.00 - 0.50
5A-00022	30284	Th-234	1.37 R	0.13	0.095	3.19	1.00 - 5.00
5A-00022	30283	Th-232	0.767	0.0415	0.0794	3.1	0.00 - 0.50
5A-00022	30284	Th-232	1.39	0.014	0.074	3.1	1.00 - 5.00
5A-00022	30283	Pb-212	1.69	0.0254	0.101	2.69	0.00 - 0.50
5A-00022	30284	Pb-212	1.69	0.02	0.11	2.69	1.00 - 5.00
5A-00022	30283	Th-230	0.741	0.0416	0.0777	2.2	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00022	30284	Th-230	1.02	0.014	0.058	2.2	1.00 - 5.00
5A-00022	30283	Bi-212	1.08	0.103	0.0704	2.15	0.00 - 0.50
5A-00022	30284	Bi-212	1.05	0.11	0.084	2.15	1.00 - 5.00
5A-00022	30283	U-233/234	0.574	0.0388	0.068	2.02	0.00 - 0.50
5A-00022	30284	U-233/234	0.605	0.01	0.038	2.02	1.00 - 5.00
5A-00022	30283	U-238	0.654	0.0133	0.074	1.8	0.00 - 0.50
5A-00022	30284	U-238	0.685	0.012	0.042	1.8	1.00 - 5.00
5A-00022	30283	Pb-214	1.15	0.0213	0.0532	1.7	0.00 - 0.50
5A-00022	30284	Pb-214	0.874	0.02	0.047	1.7	1.00 - 5.00
5A-00022	30283	Bi-214	1.03	0.0196	0.0449	1.59	0.00 - 0.50
5A-00022	30284	Bi-214	0.755	0.023	0.042	1.59	1.00 - 5.00
5A-00022	30283	Tl-208	0.504	0.013	0.0269	0.937	0.00 - 0.50
5A-00022	30284	Tl-208	0.51	0.015	0.028	0.937	1.00 - 5.00
5A-00022	30283	Pa-231	0.0614 U	0.525	0.161	0.936	0.00 - 0.50
5A-00022	30284	Pa-231	0.083 U	0.27	0.092	0.936	1.00 - 5.00
5A-00022	30283	Sr-90	0.0961 K	0.155	0.0492	0.485	0.00 - 0.50
5A-00022	30284	Sr-90	-0.022 U	0.051	0.013	0.485	1.00 - 5.00
5A-00022	30283	Sb-125	-0.0065 U	0.0322	0.0099	0.354	0.00 - 0.50
5A-00022	30284	Sb-125	0.125 SK	0.033	0.0099	0.354	1.00 - 5.00
5A-00022	30283	Eu-155	0.0892 SK	0.0455	0.0199	0.231	0.00 - 0.50
5A-00022	30284	Eu-155	0.075 SK	0.029	0.012	0.231	1.00 - 5.00
5A-00022	30283	Ac-227	-0.0478 U	0.128	0.0448	0.217	0.00 - 0.50
5A-00022	30284	Ac-227	-0.019 U	0.12	0.035	0.217	1.00 - 5.00
5A-00022	30283	Cs-137	0.037	0.0113	0.0061	0.207	0.00 - 0.50
5A-00022	30284	Cs-137	0.0006 U	0.013	0.0038	0.207	1.00 - 5.00
5A-00022	30283	U-235/236	0.0199	0.0387	0.013	0.151	0.00 - 0.50
5A-00022	30284	U-235/236	0.0309	0.0044	0.0072	0.151	1.00 - 5.00
5A-00022	30283	Eu-154	0.0124 U	0.0677	0.0232	0.15	0.00 - 0.50
5A-00022	30284	Eu-154	0.0008 U	0.076	0.023	0.15	1.00 - 5.00
5A-00022	30283	Th-229	0.0113 U	0.0681	0.0179	0.145	0.00 - 0.50
5A-00022	30284	Th-229	0.0055	0.008	0.0029	0.145	1.00 - 5.00
5A-00022	30283	Np-239	0.0209 U	0.0857	0.0255	0.139	0.00 - 0.50
5A-00022	30284	Np-239	-0.01 U	0.058	0.018	0.139	1.00 - 5.00
5A-00022	30283	Cs-134	-0.0031 U	0.0113	0.0041	0.0864	0.00 - 0.50
5A-00022	30284	Cs-134	0.0092 U J	0.044	0.0028	0.0864	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00022	30284	Te-125m	0.0289 SK	0.0076	0.0023	0.0838	1.00 - 5.00
5A-00022	30283	Eu-152	0.0123 U	0.0316	0.0104	0.0566	0.00 - 0.50
5A-00022	30284	Eu-152	-0.0082 U	0.029	0.0089	0.0566	1.00 - 5.00
5A-00022	30283	Np-236	-0.0055 U	0.0238	0.0074	0.047	0.00 - 0.50
5A-00022	30284	Np-236	-0.0052 U	0.026	0.0079	0.047	1.00 - 5.00
5A-00022	30283	Am-241	0.0075	0.004	0.0034	0.0454	0.00 - 0.50
5A-00022	30284	Am-241	-0.0011 U	0.011	0.0023	0.0454	1.00 - 5.00
5A-00022	30283	Pu-236	0.0044 U	0.0157	0.0044	0.0448	0.00 - 0.50
5A-00022	30283	Cm-243/244	0 U	0.0112	0.0022	0.0443	0.00 - 0.50
5A-00022	30284	Cm-243/244	0.0011 U	0.0078	0.0018	0.0443	1.00 - 5.00
5A-00022	30283	Ho-166m	-0.0015 U	0.0173	0.0051	0.0432	0.00 - 0.50
5A-00022	30284	Ho-166m	0.0017 U	0.019	0.002	0.0432	1.00 - 5.00
5A-00022	30283	Pu-238	-0.0025 U	0.0189	0.0044	0.0415	0.00 - 0.50
5A-00022	30284	Pu-238	0.0007 U	0.0062	0.0014	0.0415	1.00 - 5.00
5A-00022	30283	Pu-239/240	0.0013 U	0.0164	0.0042	0.0404	0.00 - 0.50
5A-00022	30284	Pu-239/240	0.0009 U	0.0023	0.0009	0.0404	1.00 - 5.00
5A-00022	30284	Cm-245/246	0 U	0.011	0.0023	0.0401	1.00 - 5.00
5A-00022	30283	Na-22	-0.0061 U	0.0159	0.0053	0.037	0.00 - 0.50
5A-00022	30284	Na-22	0.0013 U	0.019	0.0058	0.037	1.00 - 5.00
5A-00022	30283	Pu-244	0.0063 K	0.0135	0.0042	0.0313	0.00 - 0.50
5A-00022	30284	Pu-244	0.0034	0.0023	0.0017	0.0313	1.00 - 5.00
5A-00022	30284	Cm-247/248	0 U	0.0031	0.0012	0.0306	1.00 - 5.00
5A-00022	30283	Co-60	0.0014 U	0.0129	0.0037	0.028	0.00 - 0.50
5A-00022	30284	Co-60	0.0001 U	0.015	0.0044	0.028	1.00 - 5.00
5A-00022	30283	Sn-126	0.0049 U	0.0116	0.0035	0.0237	0.00 - 0.50
5A-00022	30284	Sn-126	0.0015 U	0.012	0.0036	0.0237	1.00 - 5.00
5A-00022	30283	Nb-94	0.0038 U	0.0103	0.0031	0.0214	0.00 - 0.50
5A-00022	30284	Nb-94	0.0049 U	0.011	0.0033	0.0214	1.00 - 5.00
5A-00023	30285	Cd-113m	-2.6 U	33	9.8	3030	0.00 - 0.50
5A-00023	30285	Tm-171	-2.9 U	4.8	1.5	72.4	0.00 - 0.50
5A-00023	30285	K-40	21.3	0.13	0.7	32.4	0.00 - 0.50
5A-00023	30285	Th-228	1.38	0.015	0.068	3.98	0.00 - 0.50
5A-00023	30285	Th-234	1.36 R	0.13	0.079	3.19	0.00 - 0.50
5A-00023	30285	Th-232	1.27	0.007	0.063	3.1	0.00 - 0.50
5A-00023	30285	Pb-212	1.46	0.019	0.077	2.69	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00023	30285	Th-230	0.978	0.01	0.051	2.2	0.00 - 0.50
5A-00023	30285	Bi-212	0.886	0.088	0.054	2.15	0.00 - 0.50
5A-00023	30285	U-233/234	0.776	0.01	0.044	2.02	0.00 - 0.50
5A-00023	30285	U-238	0.678	0.003	0.039	1.8	0.00 - 0.50
5A-00023	30285	Pb-214	1.03	0.021	0.038	1.7	0.00 - 0.50
5A-00023	30285	Bi-214	0.911	0.018	0.033	1.59	0.00 - 0.50
5A-00023	30285	Tl-208	0.449	0.014	0.018	0.937	0.00 - 0.50
5A-00023	30285	Pa-231	-0.16 U	0.49	0.15	0.936	0.00 - 0.50
5A-00023	30285	Sr-90	0.006 U	0.063	0.018	0.485	0.00 - 0.50
5A-00023	30285	Sb-125	0.144 JSK	0.029	0.01	0.354	0.00 - 0.50
5A-00023	30285	Eu-155	0.0344 SK	0.028	0.0088	0.231	0.00 - 0.50
5A-00023	30285	Ac-227	0.0056 U	0.096	0.0066	0.217	0.00 - 0.50
5A-00023	30285	Cs-137	0.0834	0.011	0.0066	0.207	0.00 - 0.50
5A-00023	30285	U-235/236	0.0372	0.015	0.0081	0.151	0.00 - 0.50
5A-00023	30285	Eu-154	0.0023 U	0.074	0.0054	0.15	0.00 - 0.50
5A-00023	30285	Th-229	0.0087	0.0091	0.0036	0.145	0.00 - 0.50
5A-00023	30285	Np-239	-0.028 U	0.073	0.022	0.139	0.00 - 0.50
5A-00023	30285	Cs-134	0.0147 SK	0.0087	0.0054	0.0864	0.00 - 0.50
5A-00023	30285	Te-125m	0.0334 JSK	0.0067	0.0023	0.0838	0.00 - 0.50
5A-00023	30285	Eu-152	-0.0005 U	0.03	0.0013	0.0566	0.00 - 0.50
5A-00023	30285	Np-236	-0.0043 U	0.026	0.0078	0.047	0.00 - 0.50
5A-00023	30285	Am-241	0.004	0.0087	0.0028	0.0454	0.00 - 0.50
5A-00023	30285	Pu-236	0 U	0.0012	0.0005	0.0448	0.00 - 0.50
5A-00023	30285	Cm-243/244	0.0016 U	0.0085	0.0023	0.0443	0.00 - 0.50
5A-00023	30285	Ho-166m	0.0071 U	0.015	0.0045	0.0432	0.00 - 0.50
5A-00023	30285	Pu-238	0.0022	0.0012	0.001	0.0415	0.00 - 0.50
5A-00023	30285	Pu-239/240	0.0071	0.0033	0.0019	0.0404	0.00 - 0.50
5A-00023	30285	Cm-245/246	0.0039	0.0035	0.0023	0.0401	0.00 - 0.50
5A-00023	30285	Na-22	0.0071 K,R	0.013	0.0041	0.037	0.00 - 0.50
5A-00023	30285	Pu-244	0.0022	0.0012	0.001	0.0313	0.00 - 0.50
5A-00023	30285	Cm-247/248	0 U	0.0035	0.001	0.0306	0.00 - 0.50
5A-00023	30285	Co-60	0.0007 U	0.014	0.0041	0.028	0.00 - 0.50
5A-00023	30285	Sn-126	0.0019 U	0.011	0.0034	0.0237	0.00 - 0.50
5A-00023	30285	Nb-94	0.0054 SK	0.01	0.0031	0.0214	0.00 - 0.50
5A-00024	30287	Cd-113m	14.4 U	79.8	24.5	3030	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00024	30288	Cd-113m	22.8 U	90.4	28	3030	1.00 - 3.67
5A-00024	30287	Tm-171	-1.47 U	8.67	3.02	72.4	0.00 - 0.50
5A-00024	30288	Tm-171	0.0678 U	9.66	3.33	72.4	1.00 - 3.67
5A-00024	30287	K-40	22.8	0.0866	1.32	32.4	0.00 - 0.50
5A-00024	30288	K-40	23.7	0.0934	1.37	32.4	1.00 - 3.67
5A-00024	30287	Th-228	1.47	0.021	0.143	3.98	0.00 - 0.50
5A-00024	30288	Th-228	1.54	0.103	0.156	3.98	1.00 - 3.67
5A-00024	30287	Th-234	1.45	0.167	0.118	3.19	0.00 - 0.50
5A-00024	30288	Th-234	1.88	0.198	0.144	3.19	1.00 - 3.67
5A-00024	30287	Th-232	1.03	0.0176	0.106	3.1	0.00 - 0.50
5A-00024	30288	Th-232	1.21	0.0196	0.124	3.1	1.00 - 3.67
5A-00024	30287	Pb-212	1.43	0.0233	0.0863	2.69	0.00 - 0.50
5A-00024	30288	Pb-212	1.81	0.0259	0.109	2.69	1.00 - 3.67
5A-00024	30287	Th-230	0.82	0.0176	0.0905	2.2	0.00 - 0.50
5A-00024	30288	Th-230	1.22	0.0533	0.125	2.2	1.00 - 3.67
5A-00024	30287	Bi-212	0.895	0.0926	0.067	2.15	0.00 - 0.50
5A-00024	30288	Bi-212	1.09	0.105	0.073	2.15	1.00 - 3.67
5A-00024	30287	U-233/234	0.911	0.0423	0.0993	2.02	0.00 - 0.50
5A-00024	30288	U-233/234	1.35	0.0384	0.113	2.02	1.00 - 3.67
5A-00024	30287	U-238	0.999	0.0618	0.107	1.8	0.00 - 0.50
5A-00024	30288	U-238	1.33	0.0351	0.112	1.8	1.00 - 3.67
5A-00024	30287	Pb-214	1.02	0.0207	0.0478	1.7	0.00 - 0.50
5A-00024	30288	Pb-214	1.26	0.0235	0.0587	1.7	1.00 - 3.67
5A-00024	30287	Bi-214	0.942	0.0187	0.0421	1.59	0.00 - 0.50
5A-00024	30288	Bi-214	1.14	0.0209	0.0503	1.59	1.00 - 3.67
5A-00024	30287	Tl-208	0.431	0.0121	0.0234	0.937	0.00 - 0.50
5A-00024	30288	Tl-208	0.544	0.0132	0.0288	0.937	1.00 - 3.67
5A-00024	30287	Pa-231	0.0868 U	0.496	0.153	0.936	0.00 - 0.50
5A-00024	30288	Pa-231	0.0137 U	0.543	0.167	0.936	1.00 - 3.67
5A-00024	30287	Sr-90	0.0372 U	0.349	0.0991	0.485	0.00 - 0.50
5A-00024	30288	Sr-90	0.118 U K	0.371	0.11	0.485	1.00 - 3.67
5A-00024	30287	Sb-125	-0.0064 U	0.0304	0.0091	0.354	0.00 - 0.50
5A-00024	30288	Sb-125	0.0054 U	0.0336	0.0099	0.354	1.00 - 3.67
5A-00024	30287	Eu-155	0.0882 SK	0.0423	0.0181	0.231	0.00 - 0.50
5A-00024	30288	Eu-155	0.094 SK	0.0465	0.0221	0.231	1.00 - 3.67

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00024	30287	Ac-227	-0.0621 U	0.119	0.0398	0.217	0.00 - 0.50
5A-00024	30288	Ac-227	-0.0225 U	0.135	0.0417	0.217	1.00 - 3.67
5A-00024	30287	Cs-137	0.084 J	0.0107	0.0065	0.207	0.00 - 0.50
5A-00024	30288	Cs-137	-0.0014 U	0.012	0.0042	0.207	1.00 - 3.67
5A-00024	30287	U-235/236	0.0355	0.0522	0.019	0.151	0.00 - 0.50
5A-00024	30288	U-235/236	0.0723	0.0336	0.0184	0.151	1.00 - 3.67
5A-00024	30287	Eu-154	-0.0117 U	0.0651	0.0225	0.15	0.00 - 0.50
5A-00024	30288	Eu-154	-0.0535 U	0.0691	0.0277	0.15	1.00 - 3.67
5A-00024	30287	Th-229	0.0261	0.048	0.0161	0.145	0.00 - 0.50
5A-00024	30288	Th-229	0.029	0.0534	0.0179	0.145	1.00 - 3.67
5A-00024	30287	Np-239	-0.0022 U	0.0805	0.0245	0.139	0.00 - 0.50
5A-00024	30288	Np-239	0.0075 U	0.0877	0.0266	0.139	1.00 - 3.67
5A-00024	30287	Cs-134	-0.0007 U	0.0105	0.0036	0.0864	0.00 - 0.50
5A-00024	30288	Cs-134	-0.0024 U	0.0116	0.0041	0.0864	1.00 - 3.67
5A-00024	30287	Eu-152	-0.0109 U	0.0297	0.0097	0.0566	0.00 - 0.50
5A-00024	30288	Eu-152	-0.0017 U	0.0332	0.0104	0.0566	1.00 - 3.67
5A-00024	30287	Np-236	-0.0072 U	0.022	0.0067	0.047	0.00 - 0.50
5A-00024	30288	Np-236	-0.0033 U	0.0244	0.0072	0.047	1.00 - 3.67
5A-00024	30287	Am-241	0 U	0.0218	0.004	0.0454	0.00 - 0.50
5A-00024	30288	Am-241	0	0.0058	0.0022	0.0454	1.00 - 3.67
5A-00024	30287	Pu-236	-0.0077 U	0.0305	0.0067	0.0448	0.00 - 0.50
5A-00024	30288	Pu-236	-0.0085 U	0.0348	0.0067	0.0448	1.00 - 3.67
5A-00024	30287	Cm-243/244	-0.0067 U	0.032	0.0052	0.0443	0.00 - 0.50
5A-00024	30288	Cm-243/244	0.0072	0.0139	0.0047	0.0443	1.00 - 3.67
5A-00024	30287	Ho-166m	-0.0031 U	0.0164	0.0051	0.0432	0.00 - 0.50
5A-00024	30288	Ho-166m	0.01 SK	0.019	0.0061	0.0432	1.00 - 3.67
5A-00024	30287	Pu-238	0 U	0.0154	0.0033	0.0415	0.00 - 0.50
5A-00024	30288	Pu-238	-0.0011 U	0.0199	0.0036	0.0415	1.00 - 3.67
5A-00024	30287	Pu-239/240	0.0083	0.0122	0.0044	0.0404	0.00 - 0.50
5A-00024	30288	Pu-239/240	-0.0029 U	0.0227	0.004	0.0404	1.00 - 3.67
5A-00024	30287	Na-22	-0.0023 U	0.0148	0.0052	0.037	0.00 - 0.50
5A-00024	30288	Na-22	-0.0035 U	0.0161	0.0058	0.037	1.00 - 3.67
5A-00024	30287	Pu-244	0.0182	0.0045	0.0056	0.0313	0.00 - 0.50
5A-00024	30288	Pu-244	0.005	0.0068	0.0036	0.0313	1.00 - 3.67
5A-00024	30287	Co-60	0.0018 U	0.0126	0.0038	0.028	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00024	30288	Co-60	-0.0038 U	0.0131	0.0041	0.028	1.00 - 3.67
5A-00024	30287	Sn-126	-0.0006 U	0.0107	0.0032	0.0237	0.00 - 0.50
5A-00024	30288	Sn-126	-0.0079 U	0.012	0.0042	0.0237	1.00 - 3.67
5A-00024	30287	Nb-94	-0.0039 U	0.0093	0.003	0.0214	0.00 - 0.50
5A-00024	30288	Nb-94	0.0055 U	0.0112	0.0036	0.0214	1.00 - 3.67
5A-00025	30289	Cd-113m	13 U	37	11	3030	0.00 - 0.50
5A-00025	30290	Cd-113m	-58.2 U	113	36.7	3030	1.00 - 5.00
5A-00025	30289	Tm-171	-1.8 U	5.1	1.5	72.4	0.00 - 0.50
5A-00025	30290	Tm-171	-6.95 U	11.6	4.29	72.4	1.00 - 5.00
5A-00025	30289	K-40	19.4	0.12	0.59	32.4	0.00 - 0.50
5A-00025	30290	K-40	20.6	0.127	1.16	32.4	1.00 - 5.00
5A-00025	30289	Th-228	1.11	0.017	0.056	3.98	0.00 - 0.50
5A-00025	30290	Th-228	1.44	0.0664	0.131	3.98	1.00 - 5.00
5A-00025	30289	Th-234	0.543 R	0.14	0.048	3.19	0.00 - 0.50
5A-00025	30290	Th-234	1.27	0.225	0.118	3.19	1.00 - 5.00
5A-00025	30289	Th-232	1.13	0.002	0.057	3.1	0.00 - 0.50
5A-00025	30290	Th-232	0.868	0.0423	0.0866	3.1	1.00 - 5.00
5A-00025	30289	Pb-212	1.33	0.023	0.055	2.69	0.00 - 0.50
5A-00025	30290	Pb-212	1.5	0.0358	0.0876	2.69	1.00 - 5.00
5A-00025	30289	Th-230	0.879	0.002	0.046	2.2	0.00 - 0.50
5A-00025	30290	Th-230	0.697	0.0536	0.0757	2.2	1.00 - 5.00
5A-00025	30289	Bi-212	0.845	0.12	0.068	2.15	0.00 - 0.50
5A-00025	30290	Bi-212	0.858	0.16	0.0848	2.15	1.00 - 5.00
5A-00025	30289	U-233/234	0.778	0.011	0.044	2.02	0.00 - 0.50
5A-00025	30290	U-233/234	0.971	0.0574	0.0946	2.02	1.00 - 5.00
5A-00025	30289	U-238	0.813	0.008	0.046	1.8	0.00 - 0.50
5A-00025	30290	U-238	0.989	0.0438	0.0953	1.8	1.00 - 5.00
5A-00025	30289	Pb-214	0.955	0.026	0.032	1.7	0.00 - 0.50
5A-00025	30290	Pb-214	0.889	0.0292	0.0424	1.7	1.00 - 5.00
5A-00025	30289	Bi-214	0.852	0.026	0.031	1.59	0.00 - 0.50
5A-00025	30290	Bi-214	0.834	0.0285	0.0421	1.59	1.00 - 5.00
5A-00025	30289	Tl-208	0.421	0.015	0.016	0.937	0.00 - 0.50
5A-00025	30290	Tl-208	0.467	0.0188	0.0283	0.937	1.00 - 5.00
5A-00025	30289	Pa-231	0.01 U	0.5	0.15	0.936	0.00 - 0.50
5A-00025	30290	Pa-231	0.186 U	0.716	0.244	0.936	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00025	30289	Sr-90	0.019 U	0.06	0.018	0.485	0.00 - 0.50
5A-00025	30290	Sr-90	0.0059 U K	0.175	0.0486	0.485	1.00 - 5.00
5A-00025	30289	Sb-125	0.118 JSK	0.031	0.0097	0.354	0.00 - 0.50
5A-00025	30290	Sb-125	0.0173 U	0.0474	0.0147	0.354	1.00 - 5.00
5A-00025	30289	Eu-155	0.067 SK	0.031	0.012	0.231	0.00 - 0.50
5A-00025	30290	Eu-155	0.0605 SK	0.0566	0.0218	0.231	1.00 - 5.00
5A-00025	30289	Ac-227	0.055 U	0.13	0.023	0.217	0.00 - 0.50
5A-00025	30290	Ac-227	-0.0674 U	0.167	0.0526	0.217	1.00 - 5.00
5A-00025	30289	Cs-137	0.128	0.015	0.0077	0.207	0.00 - 0.50
5A-00025	30290	Cs-137	-0.0101 U	0.0171	0.0057	0.207	1.00 - 5.00
5A-00025	30289	U-235/236	0.0425	0.01	0.0082	0.151	0.00 - 0.50
5A-00025	30290	U-235/236	0.0503	0.0542	0.0204	0.151	1.00 - 5.00
5A-00025	30289	Eu-154	0.012 U	0.089	0.018	0.15	0.00 - 0.50
5A-00025	30290	Eu-154	-0.0079 U	0.105	0.032	0.15	1.00 - 5.00
5A-00025	30289	Th-229	0.002 U	0.0094	0.0026	0.145	0.00 - 0.50
5A-00025	30290	Th-229	0.0173 U	0.0815	0.0224	0.145	1.00 - 5.00
5A-00025	30289	Np-239	-0.01 U	0.078	0.024	0.139	0.00 - 0.50
5A-00025	30290	Np-239	0.0078 U	0.11	0.0324	0.139	1.00 - 5.00
5A-00025	30289	Cs-134	0.011 U	0.025	0.0036	0.0864	0.00 - 0.50
5A-00025	30290	Cs-134	-0.0014 U	0.0165	0.0056	0.0864	1.00 - 5.00
5A-00025	30289	Te-125m	0.0272 JSK	0.0072	0.0022	0.0838	0.00 - 0.50
5A-00025	30289	Eu-152	0.013 U	0.033	0.011	0.0566	0.00 - 0.50
5A-00025	30290	Eu-152	0.0041 U	0.043	0.0139	0.0566	1.00 - 5.00
5A-00025	30289	Np-236	-0.0084 U	0.028	0.0084	0.047	0.00 - 0.50
5A-00025	30290	Np-236	0.0023 U	0.0297	0.0091	0.047	1.00 - 5.00
5A-00025	30289	Am-241	0.0056	0.0022	0.0021	0.0454	0.00 - 0.50
5A-00025	30290	Am-241	0.0096	0.0216	0.0068	0.0454	1.00 - 5.00
5A-00025	30289	Pu-236	0.0013	0.0031	0.001	0.0448	0.00 - 0.50
5A-00025	30290	Pu-236	0 U	0.0397	0.009	0.0448	1.00 - 5.00
5A-00025	30289	Cm-243/244	0.0008 U	0.0084	0.0022	0.0443	0.00 - 0.50
5A-00025	30290	Cm-243/244	-0.0001 U	0.0276	0.0057	0.0443	1.00 - 5.00
5A-00025	30289	Ho-166m	0.007 U	0.023	0.011	0.0432	0.00 - 0.50
5A-00025	30290	Ho-166m	0.0057 U	0.0265	0.0078	0.0432	1.00 - 5.00
5A-00025	30289	Pu-238	0.0013 U	0.0039	0.0012	0.0415	0.00 - 0.50
5A-00025	30290	Pu-238	-0.0032 U	0.0382	0.0084	0.0415	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00025	30289	Pu-239/240	0.0068	0.0031	0.0018	0.0404	0.00 - 0.50
5A-00025	30290	Pu-239/240	-0.0095 U	0.034	0.0063	0.0404	1.00 - 5.00
5A-00025	30289	Cm-245/246	0.0029 J	0.0039	0.002	0.0401	0.00 - 0.50
5A-00025	30289	Na-22	-0.0011 U	0.021	0.0063	0.037	0.00 - 0.50
5A-00025	30290	Na-22	0.0013 U	0.0249	0.0073	0.037	1.00 - 5.00
5A-00025	30289	Pu-244	0.0025	0.0011	0.001	0.0313	0.00 - 0.50
5A-00025	30290	Pu-244	0 U	0.0233	0.0045	0.0313	1.00 - 5.00
5A-00025	30289	Cm-247/248	0.0014 U	0.0038	0.0014	0.0306	0.00 - 0.50
5A-00025	30289	Co-60	-0.0018 U	0.018	0.0055	0.028	0.00 - 0.50
5A-00025	30290	Co-60	0.0105 J	0.0202	0.0062	0.028	1.00 - 5.00
5A-00025	30289	Sn-126	0.0003 U	0.015	0.0045	0.0237	0.00 - 0.50
5A-00025	30290	Sn-126	0.003 U	0.0179	0.0053	0.0237	1.00 - 5.00
5A-00025	30289	Nb-94	0.0029 U	0.013	0.004	0.0214	0.00 - 0.50
5A-00025	30290	Nb-94	-0.0038 U	0.0149	0.0045	0.0214	1.00 - 5.00
5A-00026	30291	Cd-113m	-2.8 U	30	9.1	3030	0.00 - 0.50
5A-00026	30292	Cd-113m	9.7 U	32	9.6	3030	1.00 - 4.50
5A-00026	30291	Tm-171	0.6 U	3.5	1.1	72.4	0.00 - 0.50
5A-00026	30292	Tm-171	-1.9 U	5.3	1.6	72.4	1.00 - 4.50
5A-00026	30291	K-40	20.3	0.11	0.6	32.4	0.00 - 0.50
5A-00026	30292	K-40	19.7	0.1	1	32.4	1.00 - 4.50
5A-00026	30291	Th-228	1.21	0.036	0.068	3.98	0.00 - 0.50
5A-00026	30292	Th-228	1.49	0.025	0.077	3.98	1.00 - 4.50
5A-00026	30291	Th-234	0.362 R	0.12	0.039	3.19	0.00 - 0.50
5A-00026	30292	Th-234	1.39 R	0.12	0.095	3.19	1.00 - 4.50
5A-00026	30291	Th-232	1.08	0.012	0.062	3.1	0.00 - 0.50
5A-00026	30292	Th-232	1.1	0.009	0.056	3.1	1.00 - 4.50
5A-00026	30291	Pb-212	1.45	0.017	0.058	2.69	0.00 - 0.50
5A-00026	30292	Pb-212	1.52	0.02	0.099	2.69	1.00 - 4.50
5A-00026	30291	Th-230	0.795	0.015	0.049	2.2	0.00 - 0.50
5A-00026	30292	Th-230	0.84	0.009	0.045	2.2	1.00 - 4.50
5A-00026	30291	Bi-212	0.944	0.091	0.059	2.15	0.00 - 0.50
5A-00026	30292	Bi-212	1.01	0.1	0.078	2.15	1.00 - 4.50
5A-00026	30291	U-233/234	0.658	0.009	0.038	2.02	0.00 - 0.50
5A-00026	30292	U-233/234	0.857 J	0.012	0.051	2.02	1.00 - 4.50
5A-00026	30291	U-238	0.721	0.003	0.04	1.8	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00026	30292	U-238	0.813 J	0.004	0.049	1.8	1.00 - 4.50
5A-00026	30291	Pb-214	0.865	0.02	0.029	1.7	0.00 - 0.50
5A-00026	30292	Pb-214	0.756	0.02	0.041	1.7	1.00 - 4.50
5A-00026	30291	Bi-214	0.786	0.019	0.027	1.59	0.00 - 0.50
5A-00026	30292	Bi-214	0.67 J	0.017	0.036	1.59	1.00 - 4.50
5A-00026	30291	Tl-208	0.439	0.012	0.015	0.937	0.00 - 0.50
5A-00026	30292	Tl-208	0.447	0.015	0.025	0.937	1.00 - 4.50
5A-00026	30291	Pa-231	-0.01 U	0.42	0.13	0.936	0.00 - 0.50
5A-00026	30292	Pa-231	-0.14 U	0.45	0.14	0.936	1.00 - 4.50
5A-00026	30291	Sr-90	0.007 U	0.061	0.018	0.485	0.00 - 0.50
5A-00026	30292	Sr-90	0.033	0.046	0.014	0.485	1.00 - 4.50
5A-00026	30291	Sb-125	0.128 JSK	0.029	0.0081	0.354	0.00 - 0.50
5A-00026	30292	Sb-125	0.129 SK	0.031	0.011	0.354	1.00 - 4.50
5A-00026	30291	Eu-155	0.0618 SK	0.025	0.0099	0.231	0.00 - 0.50
5A-00026	30292	Eu-155	0.085 SK	0.029	0.013	0.231	1.00 - 4.50
5A-00026	30291	Ac-227	0.04 U	0.097	0.011	0.217	0.00 - 0.50
5A-00026	30292	Ac-227	0.038 U	0.11	0.034	0.217	1.00 - 4.50
5A-00026	30291	Cs-137	0.0234	0.011	0.0035	0.207	0.00 - 0.50
5A-00026	30292	Cs-137	0.0005 U	0.0084	0.0025	0.207	1.00 - 4.50
5A-00026	30291	U-235/236	0.0412	0.0092	0.0076	0.151	0.00 - 0.50
5A-00026	30292	U-235/236	0.035 J	0.018	0.0092	0.151	1.00 - 4.50
5A-00026	30291	Eu-154	0.05	0.043	0.013	0.15	0.00 - 0.50
5A-00026	30292	Eu-154	-0.025 U	0.073	0.022	0.15	1.00 - 4.50
5A-00026	30291	Th-229	0.0019 U	0.015	0.0043	0.145	0.00 - 0.50
5A-00026	30292	Th-229	0.0089	0.0073	0.0033	0.145	1.00 - 4.50
5A-00026	30291	Np-239	-0.006 U	0.064	0.019	0.139	0.00 - 0.50
5A-00026	30292	Np-239	-0.0003 U	0.051	0.015	0.139	1.00 - 4.50
5A-00026	30291	Cs-134	0.0143 U	0.031	0.0037	0.0864	0.00 - 0.50
5A-00026	30292	Cs-134	-0.0007 U J	0.034	0.01	0.0864	1.00 - 4.50
5A-00026	30291	Te-125m	0.0296 JSK	0.0067	0.0019	0.0838	0.00 - 0.50
5A-00026	30292	Te-125m	0.0299 SK	0.0072	0.0024	0.0838	1.00 - 4.50
5A-00026	30291	Eu-152	-0.0074 U	0.027	0.0081	0.0566	0.00 - 0.50
5A-00026	30292	Eu-152	-0.0008 U	0.027	0.0006	0.0566	1.00 - 4.50
5A-00026	30291	Np-236	0.0047 U	0.018	0.0053	0.047	0.00 - 0.50
5A-00026	30292	Np-236	-0.0005 U	0.025	0.0075	0.047	1.00 - 4.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00026	30291	Am-241	0.0042	0.0077	0.0026	0.0454	0.00 - 0.50
5A-00026	30292	Am-241	0.002 U	0.0027	0.0014	0.0454	1.00 - 4.50
5A-00026	30291	Pu-236	0 U	0.0011	0.0005	0.0448	0.00 - 0.50
5A-00026	30291	Cm-243/244	-0.0033 U	0.014	0.0035	0.0443	0.00 - 0.50
5A-00026	30292	Cm-243/244	0.002 U	0.0028	0.0014	0.0443	1.00 - 4.50
5A-00026	30291	Ho-166m	-0.0031 U	0.017	0.005	0.0432	0.00 - 0.50
5A-00026	30292	Ho-166m	0.0052 U	0.018	0.004	0.0432	1.00 - 4.50
5A-00026	30291	Pu-238	0.0004 U	0.005	0.0013	0.0415	0.00 - 0.50
5A-00026	30292	Pu-238	0.0021 U	0.007	0.002	0.0415	1.00 - 4.50
5A-00026	30291	Pu-239/240	0.0017	0.0011	0.0008	0.0404	0.00 - 0.50
5A-00026	30292	Pu-239/240	0.0021	0.0014	0.0011	0.0404	1.00 - 4.50
5A-00026	30291	Cm-245/246	0.0047 J	0.0074	0.0028	0.0401	0.00 - 0.50
5A-00026	30292	Cm-245/246	-0.0011 U	0.0084	0.0011	0.0401	1.00 - 4.50
5A-00026	30291	Na-22	0 U J	0.011	0.0034	0.037	0.00 - 0.50
5A-00026	30292	Na-22	0.0025 U	0.017	0.0052	0.037	1.00 - 4.50
5A-00026	30291	Pu-244	0.005	0.0011	0.0015	0.0313	0.00 - 0.50
5A-00026	30292	Pu-244	0.0005 U	0.0014	0.0005	0.0313	1.00 - 4.50
5A-00026	30291	Cm-247/248	-0.0007 U	0.0073	0.0007	0.0306	0.00 - 0.50
5A-00026	30292	Cm-247/248	0 U	0.003	0.0011	0.0306	1.00 - 4.50
5A-00026	30291	Co-60	0.001 U	0.012	0.0014	0.028	0.00 - 0.50
5A-00026	30292	Co-60	0.0002 U	0.013	0.0003	0.028	1.00 - 4.50
5A-00026	30291	Sn-126	-0.0008 U	0.011	0.0032	0.0237	0.00 - 0.50
5A-00026	30292	Sn-126	-0.0021 U	0.011	0.0033	0.0237	1.00 - 4.50
5A-00026	30291	Nb-94	0.0109 SK	0.0073	0.0033	0.0214	0.00 - 0.50
5A-00026	30292	Nb-94	0.005 SK	0.0098	0.003	0.0214	1.00 - 4.50
5A-00027	30293	Cd-113m	-13 U	40	12	3030	0.00 - 0.50
5A-00027	30294	Cd-113m	18	28	12	3030	1.00 - 4.50
5A-00027	30293	Tm-171	-6.4 U J	5.3	1.7	72.4	0.00 - 0.50
5A-00027	30294	Tm-171	0.2 U	4.5	1.4	72.4	1.00 - 4.50
5A-00027	30293	K-40	22.3	0.15	0.67	32.4	0.00 - 0.50
5A-00027	30294	K-40	19.8	0.1	1	32.4	1.00 - 4.50
5A-00027	30293	Th-228	1.12	0.019	0.057	3.98	0.00 - 0.50
5A-00027	30294	Th-228	1.57	0.053	0.093	3.98	1.00 - 4.50
5A-00027	30293	Th-234	0.383 R	0.17	0.052	3.19	0.00 - 0.50
5A-00027	30294	Th-234	1.49 R	0.13	0.1	3.19	1.00 - 4.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00027	30293	Th-232	1.14	0.006	0.057	3.1	0.00 - 0.50
5A-00027	30294	Th-232	1.11	0.018	0.066	3.1	1.00 - 4.50
5A-00027	30293	Pb-212	1.34	0.029	0.041	2.69	0.00 - 0.50
5A-00027	30294	Pb-212	1.67	0.02	0.11	2.69	1.00 - 4.50
5A-00027	30293	Th-230	0.858	0.009	0.045	2.2	0.00 - 0.50
5A-00027	30294	Th-230	0.918	0.005	0.057	2.2	1.00 - 4.50
5A-00027	30293	Bi-212	1.05	0.16	0.099	2.15	0.00 - 0.50
5A-00027	30294	Bi-212	1.03	0.11	0.08	2.15	1.00 - 4.50
5A-00027	30293	U-233/234	0.721	0.01	0.041	2.02	0.00 - 0.50
5A-00027	30294	U-233/234	0.913	0.009	0.051	2.02	1.00 - 4.50
5A-00027	30293	U-238	0.735	0.008	0.041	1.8	0.00 - 0.50
5A-00027	30294	U-238	0.834	0.013	0.047	1.8	1.00 - 4.50
5A-00027	30293	Pb-214	1.08	0.024	0.045	1.7	0.00 - 0.50
5A-00027	30294	Pb-214	0.848	0.023	0.046	1.7	1.00 - 4.50
5A-00027	30293	Bi-214	1.01	0.028	0.036	1.59	0.00 - 0.50
5A-00027	30294	Bi-214	0.732 J	0.021	0.04	1.59	1.00 - 4.50
5A-00027	30293	Tl-208	0.478	0.019	0.019	0.937	0.00 - 0.50
5A-00027	30294	Tl-208	0.511	0.017	0.029	0.937	1.00 - 4.50
5A-00027	30293	Pa-231	0.008 U	0.59	0.18	0.936	0.00 - 0.50
5A-00027	30294	Pa-231	0.03 U	0.5	0.15	0.936	1.00 - 4.50
5A-00027	30293	Sr-90	0.015 U	0.058	0.017	0.485	0.00 - 0.50
5A-00027	30294	Sr-90	0.023 U	0.052	0.016	0.485	1.00 - 4.50
5A-00027	30293	Sb-125	0.142 JSK	0.042	0.011	0.354	0.00 - 0.50
5A-00027	30294	Sb-125	0.128 SK	0.036	0.01	0.354	1.00 - 4.50
5A-00027	30293	Eu-155	0.079 SK	0.035	0.014	0.231	0.00 - 0.50
5A-00027	30294	Eu-155	0.087 SK	0.031	0.014	0.231	1.00 - 4.50
5A-00027	30293	Ac-227	0.076	0.095	0.029	0.217	0.00 - 0.50
5A-00027	30294	Ac-227	0.077	0.087	0.02	0.217	1.00 - 4.50
5A-00027	30293	Cs-137	-0.0039 U	0.016	0.0049	0.207	0.00 - 0.50
5A-00027	30294	Cs-137	-0.005 U	0.013	0.0041	0.207	1.00 - 4.50
5A-00027	30293	U-235/236	0.0319	0.0035	0.0065	0.151	0.00 - 0.50
5A-00027	30294	U-235/236	0.0385	0.004	0.0077	0.151	1.00 - 4.50
5A-00027	30293	Eu-154	0.026 U	0.061	0.022	0.15	0.00 - 0.50
5A-00027	30294	Eu-154	-0.03 U	0.083	0.025	0.15	1.00 - 4.50
5A-00027	30293	Th-229	0.0094	0.011	0.0042	0.145	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00027	30294	Th-229	0.0061	0.0094	0.0032	0.145	1.00 - 4.50
5A-00027	30293	Np-239	0.0009 U	0.084	0.025	0.139	0.00 - 0.50
5A-00027	30294	Np-239	0.003 U	0.075	0.023	0.139	1.00 - 4.50
5A-00027	30293	Cs-134	0.0063 U	0.049	0.0024	0.0864	0.00 - 0.50
5A-00027	30294	Cs-134	0.017 U J	0.047	0.0041	0.0864	1.00 - 4.50
5A-00027	30293	Te-125m	0.0327 JSK	0.0098	0.0026	0.0838	0.00 - 0.50
5A-00027	30294	Te-125m	0.0297 SK	0.0083	0.0024	0.0838	1.00 - 4.50
5A-00027	30293	Eu-152	0.016 U	0.039	0.011	0.0566	0.00 - 0.50
5A-00027	30294	Eu-152	-0.0135 U	0.028	0.0087	0.0566	1.00 - 4.50
5A-00027	30293	Np-236	0.0019 U	0.02	0.0059	0.047	0.00 - 0.50
5A-00027	30294	Np-236	-0.0021 U	0.027	0.0081	0.047	1.00 - 4.50
5A-00027	30293	Am-241	0.0029	0.0026	0.0017	0.0454	0.00 - 0.50
5A-00027	30294	Am-241	-0.0022 U	0.01	0.0015	0.0454	1.00 - 4.50
5A-00027	30293	Pu-236	-0.0013 U	0.0047	0.0009	0.0448	0.00 - 0.50
5A-00027	30293	Cm-243/244	0 U	0.0069	0.0014	0.0443	0.00 - 0.50
5A-00027	30294	Cm-243/244	0.0022 U	0.003	0.0016	0.0443	1.00 - 4.50
5A-00027	30293	Ho-166m	0.0084 U	0.024	0.0069	0.0432	0.00 - 0.50
5A-00027	30294	Ho-166m	0.0027 U	0.02	0.0021	0.0432	1.00 - 4.50
5A-00027	30293	Pu-238	0.0026	0.0012	0.0011	0.0415	0.00 - 0.50
5A-00027	30294	Pu-238	0.0056	0.0015	0.0018	0.0415	1.00 - 4.50
5A-00027	30293	Pu-239/240	0.0018	0.0012	0.0009	0.0404	0.00 - 0.50
5A-00027	30294	Pu-239/240	0.0039	0.0015	0.0015	0.0404	1.00 - 4.50
5A-00027	30293	Cm-245/246	0.0034 J	0.0046	0.0024	0.0401	0.00 - 0.50
5A-00027	30294	Cm-245/246	0.0021 U	0.0056	0.0021	0.0401	1.00 - 4.50
5A-00027	30293	Na-22	-0.0001 U	0.023	0.0067	0.037	0.00 - 0.50
5A-00027	30294	Na-22	0.0025 U	0.02	0.006	0.037	1.00 - 4.50
5A-00027	30293	Pu-244	0.0009 U	0.0012	0.0006	0.0313	0.00 - 0.50
5A-00027	30294	Pu-244	0 U	0.0015	0.0006	0.0313	1.00 - 4.50
5A-00027	30293	Cm-247/248	0 U	0.0045	0.0013	0.0306	0.00 - 0.50
5A-00027	30294	Cm-247/248	0 U	0.0055	0.0012	0.0306	1.00 - 4.50
5A-00027	30293	Co-60	0.0052 U	0.018	0.0044	0.028	0.00 - 0.50
5A-00027	30294	Co-60	0.0016 U	0.017	0.0023	0.028	1.00 - 4.50
5A-00027	30293	Sn-126	0.0048 U	0.016	0.0047	0.0237	0.00 - 0.50
5A-00027	30294	Sn-126	-0.0011 U	0.013	0.0039	0.0237	1.00 - 4.50
5A-00027	30293	Nb-94	0.0003 U	0.013	0.0037	0.0214	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00027	30294	Nb-94	0.0044 U	0.011	0.0034	0.0214	1.00 - 4.50
5A-00028	30295	Cd-113m	2.33 U	101	31.2	3030	0.00 - 0.50
5A-00028	30296	Cd-113m	-24.4 U	79.2	27	3030	1.00 - 4.50
5A-00028	30295	Tm-171	0.109 U	6.25	2.01	72.4	0.00 - 0.50
5A-00028	30296	Tm-171	-4.06 U	8.01	3	72.4	1.00 - 4.50
5A-00028	30295	K-40	23.7	0.142	1.29	32.4	0.00 - 0.50
5A-00028	30296	K-40	20.7	0.0781	1.22	32.4	1.00 - 4.50
5A-00028	30295	Th-228	1.14	0.114	0.122	3.98	0.00 - 0.50
5A-00028	30296	Th-228	1.57	0.0575	0.15	3.98	1.00 - 4.50
5A-00028	30295	Th-234	1.54	0.169	0.112	3.19	0.00 - 0.50
5A-00028	30296	Th-234	1.46	0.176	0.109	3.19	1.00 - 4.50
5A-00028	30295	Th-232	1.03	0.0467	0.105	3.1	0.00 - 0.50
5A-00028	30296	Th-232	1.39	0.0178	0.131	3.1	1.00 - 4.50
5A-00028	30295	Pb-212	1.47	0.0281	0.082	2.69	0.00 - 0.50
5A-00028	30296	Pb-212	1.43	0.0227	0.0865	2.69	1.00 - 4.50
5A-00028	30295	Th-230	0.853	0.0173	0.0919	2.2	0.00 - 0.50
5A-00028	30296	Th-230	0.905	0.0486	0.097	2.2	1.00 - 4.50
5A-00028	30295	Bi-212	0.935	0.143	0.0781	2.15	0.00 - 0.50
5A-00028	30296	Bi-212	0.803	0.0903	0.0594	2.15	1.00 - 4.50
5A-00028	30295	U-233/234	0.966	0.0371	0.0932	2.02	0.00 - 0.50
5A-00028	30296	U-233/234	0.827	0.0617	0.0892	2.02	1.00 - 4.50
5A-00028	30295	U-238	0.88	0.0294	0.0866	1.8	0.00 - 0.50
5A-00028	30296	U-238	0.835	0.045	0.0891	1.8	1.00 - 4.50
5A-00028	30295	Pb-214	1.08	0.0275	0.0489	1.7	0.00 - 0.50
5A-00028	30296	Pb-214	0.956	0.0209	0.0456	1.7	1.00 - 4.50
5A-00028	30295	Bi-214	0.999	0.0275	0.0471	1.59	0.00 - 0.50
5A-00028	30296	Bi-214	0.86	0.018	0.0379	1.59	1.00 - 4.50
5A-00028	30295	Tl-208	0.488	0.0175	0.0278	0.937	0.00 - 0.50
5A-00028	30296	Tl-208	0.445	0.0113	0.0238	0.937	1.00 - 4.50
5A-00028	30295	Pa-231	-0.169 U	0.627	0.201	0.936	0.00 - 0.50
5A-00028	30296	Pa-231	-0.0188 U	0.487	0.154	0.936	1.00 - 4.50
5A-00028	30295	Sr-90	0.0616 U K	0.237	0.0683	0.485	0.00 - 0.50
5A-00028	30296	Sr-90	-0.0521 U K	0.216	0.0567	0.485	1.00 - 4.50
5A-00028	30295	Sb-125	-0.0021 U	0.0417	0.0124	0.354	0.00 - 0.50
5A-00028	30296	Sb-125	0.006 U	0.0299	0.0088	0.354	1.00 - 4.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00028	30295	Eu-155	0.0746 SK	0.0448	0.0182	0.231	0.00 - 0.50
5A-00028	30296	Eu-155	0.0539 SK	0.0428	0.0152	0.231	1.00 - 4.50
5A-00028	30295	Ac-227	0.0006 U	0.149	0.0461	0.217	0.00 - 0.50
5A-00028	30296	Ac-227	0.0086 U	0.121	0.0368	0.217	1.00 - 4.50
5A-00028	30295	Cs-137	0.0035 U	0.0173	0.0061	0.207	0.00 - 0.50
5A-00028	30296	Cs-137	-0.0002 U	0.0106	0.0037	0.207	1.00 - 4.50
5A-00028	30295	U-235/236	0.0346	0.0134	0.0133	0.151	0.00 - 0.50
5A-00028	30296	U-235/236	0.0448	0.0392	0.0182	0.151	1.00 - 4.50
5A-00028	30295	Eu-154	-0.0384 U	0.104	0.0327	0.15	0.00 - 0.50
5A-00028	30296	Eu-154	-0.047 JU	0.0625	0.0221	0.15	1.00 - 4.50
5A-00028	30295	Th-229	0.0447	0.0687	0.0232	0.145	0.00 - 0.50
5A-00028	30296	Th-229	0.0596	0.0179	0.0202	0.145	1.00 - 4.50
5A-00028	30295	Np-239	-0.0018 U	0.0951	0.0292	0.139	0.00 - 0.50
5A-00028	30296	Np-239	0.0053 U	0.0797	0.0241	0.139	1.00 - 4.50
5A-00028	30295	Cs-134	-0.0129 JU	0.0151	0.0063	0.0864	0.00 - 0.50
5A-00028	30296	Cs-134	0.0081 SK	0.0103	0.0039	0.0864	1.00 - 4.50
5A-00028	30295	Eu-152	-0.0271 JU	0.0382	0.0131	0.0566	0.00 - 0.50
5A-00028	30296	Eu-152	-0.0143 U	0.0294	0.0105	0.0566	1.00 - 4.50
5A-00028	30295	Np-236	-0.0188 JU	0.0231	0.0082	0.047	0.00 - 0.50
5A-00028	30296	Np-236	-0.005 U	0.0223	0.0069	0.047	1.00 - 4.50
5A-00028	30295	Am-241	-0.0026 U	0.0203	0.0036	0.0454	0.00 - 0.50
5A-00028	30296	Am-241	0.0015 U	0.0237	0.0051	0.0454	1.00 - 4.50
5A-00028	30295	Pu-236	0.0045	0.006	0.0032	0.0448	0.00 - 0.50
5A-00028	30296	Pu-236	-0.0033 U	0.022	0.004	0.0448	1.00 - 4.50
5A-00028	30295	Cm-243/244	0.0042 U	0.0207	0.0054	0.0443	0.00 - 0.50
5A-00028	30296	Cm-243/244	0.0047 U	0.0175	0.0047	0.0443	1.00 - 4.50
5A-00028	30295	Ho-166m	-0.0047 U	0.0259	0.0077	0.0432	0.00 - 0.50
5A-00028	30296	Ho-166m	-0.0002 U	0.0163	0.0049	0.0432	1.00 - 4.50
5A-00028	30295	Pu-238	0.0091	0.0157	0.0053	0.0415	0.00 - 0.50
5A-00028	30296	Pu-238	0.0014 U	0.0162	0.0033	0.0415	1.00 - 4.50
5A-00028	30295	Pu-239/240	-0.0003 U	0.0179	0.0037	0.0404	0.00 - 0.50
5A-00028	30296	Pu-239/240	-0.0001 U	0.0314	0.0071	0.0404	1.00 - 4.50
5A-00028	30295	Na-22	-0.0015 U	0.0238	0.0072	0.037	0.00 - 0.50
5A-00028	30296	Na-22	0.0038 U	0.0147	0.0045	0.037	1.00 - 4.50
5A-00028	30295	Pu-244	0.0105	0.0126	0.0051	0.0313	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00028	30296	Pu-244	0.0029	0.0079	0.0029	0.0313	1.00 - 4.50
5A-00028	30295	Co-60	0.0003 U	0.0197	0.0057	0.028	0.00 - 0.50
5A-00028	30296	Co-60	-0.0062 U	0.011	0.0037	0.028	1.00 - 4.50
5A-00028	30295	Sn-126	-0.0021 U	0.0163	0.0048	0.0237	0.00 - 0.50
5A-00028	30296	Sn-126	0.0011 U	0.0105	0.0032	0.0237	1.00 - 4.50
5A-00028	30295	Nb-94	0.0036 U	0.015	0.0044	0.0214	0.00 - 0.50
5A-00028	30296	Nb-94	0.0005 U	0.0092	0.0028	0.0214	1.00 - 4.50
5A-00029	30297	Cd-113m	1.4 U	22	6.5	3030	0.00 - 0.50
5A-00029	30298	Cd-113m	-12.7 U	95.2	33.4	3030	1.00 - 4.00
5A-00029	30297	Tm-171	-2.9 U J	4.6	1.4	72.4	0.00 - 0.50
5A-00029	30298	Tm-171	-2.52 U	10.1	3.59	72.4	1.00 - 4.00
5A-00029	30297	K-40	20.5	0.13	0.68	32.4	0.00 - 0.50
5A-00029	30298	K-40	23.9	0.0993	1.42	32.4	1.00 - 4.00
5A-00029	30297	Th-228	1.13	0.018	0.057	3.98	0.00 - 0.50
5A-00029	30298	Th-228	1.44	0.09	0.134	3.98	1.00 - 4.00
5A-00029	30297	Th-234	1.3 R	0.12	0.073	3.19	0.00 - 0.50
5A-00029	30298	Th-234	1.77	0.203	0.131	3.19	1.00 - 4.00
5A-00029	30297	Th-232	1.06	0.002	0.054	3.1	0.00 - 0.50
5A-00029	30298	Th-232	1.1	0.0444	0.103	3.1	1.00 - 4.00
5A-00029	30297	Pb-212	1.34	0.018	0.071	2.69	0.00 - 0.50
5A-00029	30298	Pb-212	1.82	0.0289	0.11	2.69	1.00 - 4.00
5A-00029	30297	Th-230	0.809	0.002	0.043	2.2	0.00 - 0.50
5A-00029	30298	Th-230	0.949	0.0561	0.0938	2.2	1.00 - 4.00
5A-00029	30297	Bi-212	0.83	0.084	0.053	2.15	0.00 - 0.50
5A-00029	30298	Bi-212	1	0.114	0.0774	2.15	1.00 - 4.00
5A-00029	30297	U-233/234	0.577	0.007	0.033	2.02	0.00 - 0.50
5A-00029	30298	U-233/234	1.08	0.0414	0.101	2.02	1.00 - 4.00
5A-00029	30297	U-238	0.67	0.002	0.037	1.8	0.00 - 0.50
5A-00029	30298	U-238	1.2	0.0104	0.109	1.8	1.00 - 4.00
5A-00029	30297	Pb-214	0.903	0.018	0.033	1.7	0.00 - 0.50
5A-00029	30298	Pb-214	1.28	0.0249	0.0603	1.7	1.00 - 4.00
5A-00029	30297	Bi-214	0.797	0.018	0.03	1.59	0.00 - 0.50
5A-00029	30298	Bi-214	1.11	0.0224	0.0486	1.59	1.00 - 4.00
5A-00029	30297	Tl-208	0.416	0.013	0.017	0.937	0.00 - 0.50
5A-00029	30298	Tl-208	0.565	0.0147	0.0298	0.937	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00029	30297	Pa-231	0.009 U	0.43	0.13	0.936	0.00 - 0.50
5A-00029	30298	Pa-231	-0.0423 U	0.588	0.18	0.936	1.00 - 4.00
5A-00029	30297	Sr-90	0.008 U	0.072	0.021	0.485	0.00 - 0.50
5A-00029	30298	Sr-90	0.0213 U K	0.119	0.0332	0.485	1.00 - 4.00
5A-00029	30297	Sb-125	0.121 JSK	0.027	0.0088	0.354	0.00 - 0.50
5A-00029	30298	Sb-125	0.0037 U	0.0366	0.0108	0.354	1.00 - 4.00
5A-00029	30297	Eu-155	0.066 SK	0.028	0.012	0.231	0.00 - 0.50
5A-00029	30298	Eu-155	0.0526 SK	0.0514	0.0164	0.231	1.00 - 4.00
5A-00029	30297	Ac-227	0.037 U	0.11	0.035	0.217	0.00 - 0.50
5A-00029	30298	Ac-227	0.0301 U	0.145	0.0445	0.217	1.00 - 4.00
5A-00029	30297	Cs-137	0.0184	0.009	0.0043	0.207	0.00 - 0.50
5A-00029	30298	Cs-137	0.0036 U	0.0127	0.0044	0.207	1.00 - 4.00
5A-00029	30297	U-235/236	0.0289	0.012	0.0064	0.151	0.00 - 0.50
5A-00029	30298	U-235/236	0.0903	0.0129	0.0217	0.151	1.00 - 4.00
5A-00029	30297	Eu-154	0.011 U	0.066	0.013	0.15	0.00 - 0.50
5A-00029	30298	Eu-154	-0.0098 U	0.0723	0.025	0.15	1.00 - 4.00
5A-00029	30297	Th-229	0.0068	0.0082	0.003	0.145	0.00 - 0.50
5A-00029	30298	Th-229	0 U	0.0855	0.021	0.145	1.00 - 4.00
5A-00029	30297	Np-239	0.007 U	0.067	0.02	0.139	0.00 - 0.50
5A-00029	30298	Np-239	-0.0061 U	0.0952	0.0289	0.139	1.00 - 4.00
5A-00029	30297	Cs-134	0.009 U	0.03	0.0023	0.0864	0.00 - 0.50
5A-00029	30298	Cs-134	-0.0004 U	0.0128	0.0044	0.0864	1.00 - 4.00
5A-00029	30297	Te-125m	0.0279 JSK	0.0063	0.002	0.0838	0.00 - 0.50
5A-00029	30297	Eu-152	-0.0006 U	0.028	0.0018	0.0566	0.00 - 0.50
5A-00029	30298	Eu-152	0.014 U	0.0355	0.0137	0.0566	1.00 - 4.00
5A-00029	30297	Np-236	-0.0077 U	0.024	0.0073	0.047	0.00 - 0.50
5A-00029	30298	Np-236	0.0011 U	0.0268	0.0089	0.047	1.00 - 4.00
5A-00029	30297	Am-241	0 U	0.01	0.0024	0.0454	0.00 - 0.50
5A-00029	30298	Am-241	0.0138	0.0171	0.0071	0.0454	1.00 - 4.00
5A-00029	30297	Pu-236	0.0009 U	0.0012	0.0007	0.0448	0.00 - 0.50
5A-00029	30298	Pu-236	-0.0059 U	0.0439	0.0101	0.0448	1.00 - 4.00
5A-00029	30297	Cm-243/244	0 U	0.011	0.0027	0.0443	0.00 - 0.50
5A-00029	30298	Cm-243/244	0.0141	0.0241	0.0082	0.0443	1.00 - 4.00
5A-00029	30297	Ho-166m	0.0073 U	0.017	0.0058	0.0432	0.00 - 0.50
5A-00029	30298	Ho-166m	0.0053 U	0.0196	0.006	0.0432	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00029	30297	Pu-238	0.0014	0.0034	0.0011	0.0415	0.00 - 0.50
5A-00029	30298	Pu-238	-0.005 U	0.0356	0.008	0.0415	1.00 - 4.00
5A-00029	30297	Pu-239/240	0.0018	0.0034	0.0012	0.0404	0.00 - 0.50
5A-00029	30298	Pu-239/240	-0.0075 U	0.027	0.005	0.0404	1.00 - 4.00
5A-00029	30297	Cm-245/246	0.0021 U J	0.0079	0.0022	0.0401	0.00 - 0.50
5A-00029	30297	Na-22	0.0002 U	0.013	0.0038	0.037	0.00 - 0.50
5A-00029	30298	Na-22	-0.0069 U	0.0176	0.0056	0.037	1.00 - 4.00
5A-00029	30297	Pu-244	0.0018	0.0012	0.0009	0.0313	0.00 - 0.50
5A-00029	30298	Pu-244	0.0025 U	0.0185	0.0044	0.0313	1.00 - 4.00
5A-00029	30297	Cm-247/248	0 U	0.0038	0.0011	0.0306	0.00 - 0.50
5A-00029	30297	Co-60	0.0008 U	0.011	0.0033	0.028	0.00 - 0.50
5A-00029	30298	Co-60	0.0049 U	0.0141	0.0043	0.028	1.00 - 4.00
5A-00029	30297	Sn-126	-0.0018 U	0.011	0.0032	0.0237	0.00 - 0.50
5A-00029	30298	Sn-126	-0.0031 U	0.0125	0.0039	0.0237	1.00 - 4.00
5A-00029	30297	Nb-94	0.0029 U	0.0095	0.0029	0.0214	0.00 - 0.50
5A-00029	30298	Nb-94	0.0077 JSK	0.0116	0.0039	0.0214	1.00 - 4.00
5A-00030	30299	Cd-113m	29.4 U J	97	31.2	3030	0.00 - 0.50
5A-00030	30300	Cd-113m	-1 U	39	12	3030	1.00 - 5.00
5A-00030	30299	Tm-171	-8.48 U	11.9	4.51	72.4	0.00 - 0.50
5A-00030	30300	Tm-171	0.06 U	5.5	1.7	72.4	1.00 - 5.00
5A-00030	30299	K-40	23.8	0.0859	1.37	32.4	0.00 - 0.50
5A-00030	30300	K-40	18.2	0.14	0.55	32.4	1.00 - 5.00
5A-00030	30299	Th-228	1.08	0.0776	0.108	3.98	0.00 - 0.50
5A-00030	30300	Th-228	1.31	0.017	0.065	3.98	1.00 - 5.00
5A-00030	30299	Th-234	1.29	0.215	0.12	3.19	0.00 - 0.50
5A-00030	30300	Th-234	0.517 R	0.15	0.051	3.19	1.00 - 5.00
5A-00030	30299	Th-232	0.876	0.0154	0.0862	3.1	0.00 - 0.50
5A-00030	30300	Th-232	1.24	0.003	0.062	3.1	1.00 - 5.00
5A-00030	30299	Pb-212	1.5	0.0283	0.0903	2.69	0.00 - 0.50
5A-00030	30300	Pb-212	1.49	0.024	0.061	2.69	1.00 - 5.00
5A-00030	30299	Th-230	0.782	0.042	0.0805	2.2	0.00 - 0.50
5A-00030	30300	Th-230	0.984	0.009	0.051	2.2	1.00 - 5.00
5A-00030	30299	Bi-212	1.05	0.107	0.0801	2.15	0.00 - 0.50
5A-00030	30300	Bi-212	0.97	0.14	0.079	2.15	1.00 - 5.00
5A-00030	30299	U-233/234	0.75	0.0474	0.0839	2.02	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00030	30300	U-233/234	0.798	0.014	0.046	2.02	1.00 - 5.00
5A-00030	30299	U-238	0.859	0.0142	0.0919	1.8	0.00 - 0.50
5A-00030	30300	U-238	0.838	0.012	0.048	1.8	1.00 - 5.00
5A-00030	30299	Pb-214	0.983	0.0241	0.0463	1.7	0.00 - 0.50
5A-00030	30300	Pb-214	1.03	0.026	0.035	1.7	1.00 - 5.00
5A-00030	30299	Bi-214	0.893	0.0208	0.0407	1.59	0.00 - 0.50
5A-00030	30300	Bi-214	0.909	0.026	0.032	1.59	1.00 - 5.00
5A-00030	30299	Tl-208	0.457	0.0144	0.0251	0.937	0.00 - 0.50
5A-00030	30300	Tl-208	0.487	0.015	0.018	0.937	1.00 - 5.00
5A-00030	30299	Pa-231	-0.198 U	0.584	0.186	0.936	0.00 - 0.50
5A-00030	30300	Pa-231	-0.08 U	0.56	0.17	0.936	1.00 - 5.00
5A-00030	30299	Sr-90	0.0257 U K	0.113	0.0327	0.485	0.00 - 0.50
5A-00030	30300	Sr-90	0.013 U	0.042	0.012	0.485	1.00 - 5.00
5A-00030	30299	Sb-125	0.0003 U	0.0356	0.0104	0.354	0.00 - 0.50
5A-00030	30300	Sb-125	0.133 JSK	0.04	0.0096	0.354	1.00 - 5.00
5A-00030	30299	Eu-155	0.0417 SK	0.0528	0.0206	0.231	0.00 - 0.50
5A-00030	30300	Eu-155	0.077 SK	0.031	0.012	0.231	1.00 - 5.00
5A-00030	30299	Ac-227	0.0032 U	0.143	0.0435	0.217	0.00 - 0.50
5A-00030	30300	Ac-227	0.041 U	0.14	0.054	0.217	1.00 - 5.00
5A-00030	30299	Cs-137	0.0291	0.0123	0.0053	0.207	0.00 - 0.50
5A-00030	30300	Cs-137	0.0027 U	0.016	0.0057	0.207	1.00 - 5.00
5A-00030	30299	U-235/236	0.0389	0.0175	0.0161	0.151	0.00 - 0.50
5A-00030	30300	U-235/236	0.0382	0.0043	0.008	0.151	1.00 - 5.00
5A-00030	30299	Eu-154	-0.0322 U	0.0743	0.0243	0.15	0.00 - 0.50
5A-00030	30300	Eu-154	0.0014 U	0.094	0.0012	0.15	1.00 - 5.00
5A-00030	30299	Th-229	0.0114 U	0.0531	0.014	0.145	0.00 - 0.50
5A-00030	30300	Th-229	0.0081	0.0094	0.0036	0.145	1.00 - 5.00
5A-00030	30299	Np-239	-0.0208 U	0.0938	0.0291	0.139	0.00 - 0.50
5A-00030	30300	Np-239	-0.017 U	0.08	0.024	0.139	1.00 - 5.00
5A-00030	30299	Cs-134	-0.0014 U	0.012	0.0041	0.0864	0.00 - 0.50
5A-00030	30300	Cs-134	0.0097 SK	0.012	0.0037	0.0864	1.00 - 5.00
5A-00030	30300	Te-125m	0.0306 JSK	0.0092	0.0022	0.0838	1.00 - 5.00
5A-00030	30299	Eu-152	-0.0288 U J	0.0341	0.0142	0.0566	0.00 - 0.50
5A-00030	30300	Eu-152	0.0001 U	0.037	0.011	0.0566	1.00 - 5.00
5A-00030	30299	Np-236	-0.002 U	0.0273	0.0088	0.047	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00030	30300	Np-236	-0.0061 U	0.028	0.0086	0.047	1.00 - 5.00
5A-00030	30299	Am-241	0.0056	0.0038	0.0028	0.0454	0.00 - 0.50
5A-00030	30300	Am-241	0.0018 U	0.0024	0.0013	0.0454	1.00 - 5.00
5A-00030	30299	Pu-236	-0.0043 U	0.0256	0.0052	0.0448	0.00 - 0.50
5A-00030	30300	Pu-236	-0.0019 U	0.0061	0.0013	0.0448	1.00 - 5.00
5A-00030	30299	Cm-243/244	0.0071	0.0104	0.0038	0.0443	0.00 - 0.50
5A-00030	30300	Cm-243/244	0.0009 U	0.0023	0.0009	0.0443	1.00 - 5.00
5A-00030	30299	Ho-166m	0.0085 U	0.0196	0.0061	0.0432	0.00 - 0.50
5A-00030	30300	Ho-166m	0.0099 U	0.025	0.0068	0.0432	1.00 - 5.00
5A-00030	30299	Pu-238	-0.0018 U	0.022	0.0049	0.0415	0.00 - 0.50
5A-00030	30300	Pu-238	0.0014 U	0.0056	0.0016	0.0415	1.00 - 5.00
5A-00030	30299	Pu-239/240	0.0055 U	0.0219	0.0061	0.0404	0.00 - 0.50
5A-00030	30300	Pu-239/240	0.0014	0.0034	0.0011	0.0404	1.00 - 5.00
5A-00030	30300	Cm-245/246	0.0051 J	0.0069	0.0036	0.0401	1.00 - 5.00
5A-00030	30299	Na-22	-0.0074 U	0.0169	0.0059	0.037	0.00 - 0.50
5A-00030	30300	Na-22	-0.0063 U	0.024	0.0071	0.037	1.00 - 5.00
5A-00030	30299	Pu-244	0.0164	0.0049	0.0055	0.0313	0.00 - 0.50
5A-00030	30300	Pu-244	0.0005 U	0.0013	0.0005	0.0313	1.00 - 5.00
5A-00030	30300	Cm-247/248	0 U	0.0067	0.002	0.0306	1.00 - 5.00
5A-00030	30299	Co-60	-0.0002 U	0.0136	0.004	0.028	0.00 - 0.50
5A-00030	30300	Co-60	-0.0003 U	0.018	0.0053	0.028	1.00 - 5.00
5A-00030	30299	Sn-126	0.0062 U	0.0129	0.004	0.0237	0.00 - 0.50
5A-00030	30300	Sn-126	-0.0034 U	0.016	0.0048	0.0237	1.00 - 5.00
5A-00030	30299	Nb-94	0.0093 JSK	0.0116	0.004	0.0214	0.00 - 0.50
5A-00030	30300	Nb-94	0.0042 U	0.014	0.0042	0.0214	1.00 - 5.00
5A-00031	30301	Cd-113m	8 U	25	7.7	3030	0.00 - 0.50
5A-00031	30302	Cd-113m	0.7 U	32	9.5	3030	1.00 - 5.00
5A-00031	30301	Tm-171	-4.1 U J	4.2	1.3	72.4	0.00 - 0.50
5A-00031	30302	Tm-171	1 U	3.7	1.1	72.4	1.00 - 5.00
5A-00031	30301	K-40	22.7	0.1	0.75	32.4	0.00 - 0.50
5A-00031	30302	K-40	21.4	0.1	1	32.4	1.00 - 5.00
5A-00031	30301	Th-228	1.17	0.018	0.059	3.98	0.00 - 0.50
5A-00031	30302	Th-228	1.49	0.029	0.079	3.98	1.00 - 5.00
5A-00031	30301	Th-234	1.42 R	0.12	0.077	3.19	0.00 - 0.50
5A-00031	30302	Th-234	0.329 R	0.13	0.044	3.19	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00031	30301	Th-232	1.11	0.002	0.056	3.1	0.00 - 0.50
5A-00031	30302	Th-232	1.12	0.007	0.059	3.1	1.00 - 5.00
5A-00031	30301	Pb-212	1.36	0.021	0.072	2.69	0.00 - 0.50
5A-00031	30302	Pb-212	1.59	0.02	0.089	2.69	1.00 - 5.00
5A-00031	30301	Th-230	0.885	0.009	0.046	2.2	0.00 - 0.50
5A-00031	30302	Th-230	0.771	0.012	0.044	2.2	1.00 - 5.00
5A-00031	30301	Bi-212	0.884	0.1	0.064	2.15	0.00 - 0.50
5A-00031	30302	Bi-212	1	0.11	0.081	2.15	1.00 - 5.00
5A-00031	30301	U-233/234	0.653	0.01	0.038	2.02	0.00 - 0.50
5A-00031	30302	U-233/234	1.26 J	0.01	0.068	2.02	1.00 - 5.00
5A-00031	30301	U-238	0.627	0.008	0.037	1.8	0.00 - 0.50
5A-00031	30302	U-238	0.914 J	0.004	0.052	1.8	1.00 - 5.00
5A-00031	30301	Pb-214	1.07	0.018	0.039	1.7	0.00 - 0.50
5A-00031	30302	Pb-214	0.904	0.021	0.046	1.7	1.00 - 5.00
5A-00031	30301	Bi-214	0.948	0.018	0.035	1.59	0.00 - 0.50
5A-00031	30302	Bi-214	0.799 J	0.018	0.041	1.59	1.00 - 5.00
5A-00031	30301	Tl-208	0.419	0.014	0.017	0.937	0.00 - 0.50
5A-00031	30302	Tl-208	0.47	0.014	0.025	0.937	1.00 - 5.00
5A-00031	30301	Pa-231	0.0005 U	0.45	0.14	0.936	0.00 - 0.50
5A-00031	30302	Pa-231	-0.1 U	0.46	0.14	0.936	1.00 - 5.00
5A-00031	30301	Sr-90	0.019 U	0.055	0.017	0.485	0.00 - 0.50
5A-00031	30302	Sr-90	0.012 U	0.048	0.014	0.485	1.00 - 5.00
5A-00031	30301	Sb-125	0.129 JSK	0.031	0.0089	0.354	0.00 - 0.50
5A-00031	30302	Sb-125	0.146 SK	0.034	0.011	0.354	1.00 - 5.00
5A-00031	30301	Eu-155	0.062 SK	0.026	0.011	0.231	0.00 - 0.50
5A-00031	30302	Eu-155	0.053 SK	0.028	0.011	0.231	1.00 - 5.00
5A-00031	30301	Ac-227	0.276 K,R	0.083	0.015	0.217	0.00 - 0.50
5A-00031	30302	Ac-227	0.039 U	0.12	0.04	0.217	1.00 - 5.00
5A-00031	30301	Cs-137	0.0129	0.0086	0.0038	0.207	0.00 - 0.50
5A-00031	30302	Cs-137	0.158	0.0088	0.0091	0.207	1.00 - 5.00
5A-00031	30301	U-235/236	0.0327	0.0035	0.0067	0.151	0.00 - 0.50
5A-00031	30302	U-235/236	0.068 J	0.005	0.011	0.151	1.00 - 5.00
5A-00031	30301	Eu-154	0.003 U	0.07	0.0096	0.15	0.00 - 0.50
5A-00031	30302	Eu-154	0.012 U	0.071	0.0055	0.15	1.00 - 5.00
5A-00031	30301	Th-229	0.0042	0.0077	0.0026	0.145	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00031	30302	Th-229	0.005	0.008	0.0027	0.145	1.00 - 5.00
5A-00031	30301	Np-239	-0.007 U	0.071	0.021	0.139	0.00 - 0.50
5A-00031	30302	Np-239	-0.024 U	0.066	0.02	0.139	1.00 - 5.00
5A-00031	30301	Cs-134	0.0037 U	0.039	0.0093	0.0864	0.00 - 0.50
5A-00031	30302	Cs-134	0.0152 U J	0.036	0.0036	0.0864	1.00 - 5.00
5A-00031	30301	Te-125m	0.0299 JSK	0.0072	0.0021	0.0838	0.00 - 0.50
5A-00031	30302	Te-125m	0.0336 SK	0.0078	0.0025	0.0838	1.00 - 5.00
5A-00031	30301	Eu-152	-0.0106 U	0.03	0.0089	0.0566	0.00 - 0.50
5A-00031	30302	Eu-152	-0.0043 U	0.03	0.009	0.0566	1.00 - 5.00
5A-00031	30301	Np-236	-0.0089 U	0.025	0.0076	0.047	0.00 - 0.50
5A-00031	30302	Np-236	-0.0014 U	0.025	0.0075	0.047	1.00 - 5.00
5A-00031	30301	Am-241	-0.0027 U	0.0097	0.0018	0.0454	0.00 - 0.50
5A-00031	30302	Am-241	0.0081	0.0024	0.0027	0.0454	1.00 - 5.00
5A-00031	30301	Pu-236	0.0009 U	0.0012	0.0006	0.0448	0.00 - 0.50
5A-00031	30301	Cm-243/244	0 U	0.0082	0.0019	0.0443	0.00 - 0.50
5A-00031	30302	Cm-243/244	0.0009 U	0.0085	0.002	0.0443	1.00 - 5.00
5A-00031	30301	Ho-166m	-0.0045 U	0.015	0.0045	0.0432	0.00 - 0.50
5A-00031	30302	Ho-166m	0.0103 SK	0.018	0.0039	0.0432	1.00 - 5.00
5A-00031	30301	Pu-238	0.0018	0.0012	0.0009	0.0415	0.00 - 0.50
5A-00031	30302	Pu-238	0 U	0.0016	0.0006	0.0415	1.00 - 5.00
5A-00031	30301	Pu-239/240	0.0013	0.0012	0.0008	0.0404	0.00 - 0.50
5A-00031	30302	Pu-239/240	0.0086	0.0042	0.0024	0.0404	1.00 - 5.00
5A-00031	30301	Cm-245/246	-0.0009 U J	0.0097	0.001	0.0401	0.00 - 0.50
5A-00031	30302	Cm-245/246	0.0029	0.0026	0.0017	0.0401	1.00 - 5.00
5A-00031	30301	Na-22	-0.0027 U	0.018	0.0055	0.037	0.00 - 0.50
5A-00031	30302	Na-22	0.0007 U	0.017	0.0051	0.037	1.00 - 5.00
5A-00031	30301	Pu-244	0.0022	0.0012	0.001	0.0313	0.00 - 0.50
5A-00031	30302	Pu-244	0.0006 U	0.0015	0.0006	0.0313	1.00 - 5.00
5A-00031	30301	Cm-247/248	0 U	0.0046	0.0014	0.0306	0.00 - 0.50
5A-00031	30302	Cm-247/248	0.001 U	0.0026	0.001	0.0306	1.00 - 5.00
5A-00031	30301	Co-60	0.0004 U	0.011	0.0033	0.028	0.00 - 0.50
5A-00031	30302	Co-60	-0.0002 U	0.013	0.0038	0.028	1.00 - 5.00
5A-00031	30301	Sn-126	0.004 U	0.011	0.0034	0.0237	0.00 - 0.50
5A-00031	30302	Sn-126	-0.0002 U	0.011	0.0033	0.0237	1.00 - 5.00
5A-00031	30301	Nb-94	0.006 SK	0.01	0.0031	0.0214	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00031	30302	Nb-94	0.0046 U	0.01	0.003	0.0214	1.00 - 5.00
5A-00032	30303	Cd-113m	-47.3 U	92.1	29.5	3030	0.00 - 0.50
5A-00032	30440	Cd-113m	-6 U	37	11	3030	1.00 - 4.00
5A-00032	30303	Tm-171	-12.4 J U	12.3	5.12	72.4	0.00 - 0.50
5A-00032	30440	Tm-171	-0.2 U	6	1.8	72.4	1.00 - 4.00
5A-00032	30303	K-40	22.9	0.092	1.43	32.4	0.00 - 0.50
5A-00032	30440	K-40	21.1	0.2	1.1	32.4	1.00 - 4.00
5A-00032	30303	Th-228	1.45	0.122	0.148	3.98	0.00 - 0.50
5A-00032	30440	Th-228	1.69	0.017	0.081	3.98	1.00 - 4.00
5A-00032	30303	Th-234	1.48	0.214	0.148	3.19	0.00 - 0.50
5A-00032	30440	Th-234	1.75 R	0.15	0.12	3.19	1.00 - 4.00
5A-00032	30303	Th-232	1.3	0.0185	0.127	3.1	0.00 - 0.50
5A-00032	30440	Th-232	1.62	0.008	0.078	3.1	1.00 - 4.00
5A-00032	30303	Pb-212	1.64	0.0261	0.0987	2.69	0.00 - 0.50
5A-00032	30440	Pb-212	1.94	0.02	0.13	2.69	1.00 - 4.00
5A-00032	30303	Th-230	1	0.0186	0.106	2.2	0.00 - 0.50
5A-00032	30440	Th-230	1.31	0.008	0.065	2.2	1.00 - 4.00
5A-00032	30303	Bi-212	0.961	0.105	0.0791	2.15	0.00 - 0.50
5A-00032	30440	Bi-212	1.2	0.12	0.093	2.15	1.00 - 4.00
5A-00032	30303	U-233/234	1.09	0.0578	0.108	2.02	0.00 - 0.50
5A-00032	30440	U-233/234	0.543	0.006	0.029	2.02	1.00 - 4.00
5A-00032	30303	U-238	0.981	0.0354	0.0993	1.8	0.00 - 0.50
5A-00032	30440	U-238	0.565	0.004	0.03	1.8	1.00 - 4.00
5A-00032	30303	Pb-214	1.16	0.0234	0.053	1.7	0.00 - 0.50
5A-00032	30440	Pb-214	1.03	0.023	0.055	1.7	1.00 - 4.00
5A-00032	30303	Bi-214	1.04	0.0202	0.0466	1.59	0.00 - 0.50
5A-00032	30440	Bi-214	0.915	0.024	0.05	1.59	1.00 - 4.00
5A-00032	30303	Tl-208	0.488	0.0128	0.0266	0.937	0.00 - 0.50
5A-00032	30440	Tl-208	0.568	0.015	0.031	0.937	1.00 - 4.00
5A-00032	30303	Pa-231	0.116 U	0.569	0.174	0.936	0.00 - 0.50
5A-00032	30440	Pa-231	-0.12 U	0.53	0.16	0.936	1.00 - 4.00
5A-00032	30303	Sr-90	0.28	0.433	0.139	0.485	0.00 - 0.50
5A-00032	30440	Sr-90	0.001 U	0.041	0.012	0.485	1.00 - 4.00
5A-00032	30303	Sb-125	0.0072 U	0.0347	0.0105	0.354	0.00 - 0.50
5A-00032	30440	Sb-125	0.139 SK	0.032	0.011	0.354	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00032	30303	Eu-155	0.0621 SK	0.0525	0.0215	0.231	0.00 - 0.50
5A-00032	30440	Eu-155	0.113 SK	0.035	0.016	0.231	1.00 - 4.00
5A-00032	30303	Ac-227	0.0106 U	0.139	0.0408	0.217	0.00 - 0.50
5A-00032	30440	Ac-227	0.052 U	0.13	0.042	0.217	1.00 - 4.00
5A-00032	30303	Cs-137	0.0597 U	0.012	0.0059	0.207	0.00 - 0.50
5A-00032	30440	Cs-137	0.0167	0.0092	0.004	0.207	1.00 - 4.00
5A-00032	30303	U-235/236	0.0416	0.0552	0.0199	0.151	0.00 - 0.50
5A-00032	30440	U-235/236	0.0253	0.002	0.0045	0.151	1.00 - 4.00
5A-00032	30303	Eu-154	-0.0298 U	0.0719	0.0231	0.15	0.00 - 0.50
5A-00032	30440	Eu-154	-0.033 U	0.084	0.025	0.15	1.00 - 4.00
5A-00032	30303	Th-229	-0.0069 U	0.0825	0.0182	0.145	0.00 - 0.50
5A-00032	30440	Th-229	0.0067	0.0026	0.0026	0.145	1.00 - 4.00
5A-00032	30303	Np-239	-0.0571 U	0.0912	0.032	0.139	0.00 - 0.50
5A-00032	30440	Np-239	0.044 K R	0.052	0.019	0.139	1.00 - 4.00
5A-00032	30303	Cs-134	0.0079 SK	0.0113	0.0043	0.0864	0.00 - 0.50
5A-00032	30440	Cs-134	0.0128 U	0.039	0.0035	0.0864	1.00 - 4.00
5A-00032	30440	Te-125m	0.0321 SK	0.0073	0.0024	0.0838	1.00 - 4.00
5A-00032	30303	Eu-152	0.0033 U	0.0334	0.0113	0.0566	0.00 - 0.50
5A-00032	30440	Eu-152	-0.0161 U	0.031	0.0093	0.0566	1.00 - 4.00
5A-00032	30303	Np-236	-0.0004 U	0.0262	0.0079	0.047	0.00 - 0.50
5A-00032	30440	Np-236	0.0019 U	0.029	0.0088	0.047	1.00 - 4.00
5A-00032	30303	Am-241	0 U	0.0189	0.0034	0.0454	0.00 - 0.50
5A-00032	30440	Am-241	0.0024	0.0058	0.0018	0.0454	1.00 - 4.00
5A-00032	30303	Pu-236	-0.0041 U	0.036	0.0088	0.0448	0.00 - 0.50
5A-00032	30303	Cm-243/244	0.0071	0.0158	0.0051	0.0443	0.00 - 0.50
5A-00032	30440	Cm-243/244	0 U	0.0059	0.0011	0.0443	1.00 - 4.00
5A-00032	30303	Ho-166m	0.0003 U	0.0185	0.0054	0.0432	0.00 - 0.50
5A-00032	30440	Ho-166m	0.012 SK	0.016	0.0089	0.0432	1.00 - 4.00
5A-00032	30303	Pu-238	0.0036 U	0.0166	0.0044	0.0415	0.00 - 0.50
5A-00032	30440	Pu-238	0.0037	0.0057	0.002	0.0415	1.00 - 4.00
5A-00032	30303	Pu-239/240	0.0089 U	0.0233	0.0069	0.0404	0.00 - 0.50
5A-00032	30440	Pu-239/240	0.0015	0.0021	0.0011	0.0404	1.00 - 4.00
5A-00032	30440	Cm-245/246	-0.0013 U	0.014	0.0024	0.0401	1.00 - 4.00
5A-00032	30303	Na-22	-0.0093 U	0.0162	0.0053	0.037	0.00 - 0.50
5A-00032	30440	Na-22	0.0053 U	0.017	0.0052	0.037	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00032	30303	Pu-244	0.0089	0.0048	0.004	0.0313	0.00 - 0.50
5A-00032	30440	Pu-244	0 U	0.0021	0.0005	0.0313	1.00 - 4.00
5A-00032	30440	Cm-247/248	0.0006 U	0.0095	0.0019	0.0306	1.00 - 4.00
5A-00032	30303	Co-60	0.0019 U	0.0129	0.0038	0.028	0.00 - 0.50
5A-00032	30440	Co-60	0.0007 U	0.016	0.0046	0.028	1.00 - 4.00
5A-00032	30303	Sn-126	-0.0051 U	0.0114	0.0036	0.0237	0.00 - 0.50
5A-00032	30440	Sn-126	0.0002 U	0.013	0.0038	0.0237	1.00 - 4.00
5A-00032	30303	Nb-94	0.0056 SK	0.0108	0.0034	0.0214	0.00 - 0.50
5A-00032	30440	Nb-94	0.0109 SK	0.0096	0.0044	0.0214	1.00 - 4.00
5A-00034	30305	Cd-113m	-1 U	26	7.8	3030	0.00 - 0.50
5A-00034	30306	Cd-113m	5 U	34	10	3030	1.00 - 5.00
5A-00034	30305	Tm-171	-4.7 U J	5	1.5	72.4	0.00 - 0.50
5A-00034	30306	Tm-171	-0.3 U J	5.5	1.7	72.4	1.00 - 5.00
5A-00034	30305	K-40	22.7	0.1	1.2	32.4	0.00 - 0.50
5A-00034	30306	K-40	20	0.1	1	32.4	1.00 - 5.00
5A-00034	30305	Th-228	1.13	0.015	0.058	3.98	0.00 - 0.50
5A-00034	30306	Th-228	1.3	0.015	0.066	3.98	1.00 - 5.00
5A-00034	30305	Th-234	1.43 R	0.14	0.0996	3.19	0.00 - 0.50
5A-00034	30306	Th-234	1.82 R	0.13	0.12	3.19	1.00 - 5.00
5A-00034	30305	Th-232	1.12	0.007	0.057	3.1	0.00 - 0.50
5A-00034	30306	Th-232	1.33	0.01	0.067	3.1	1.00 - 5.00
5A-00034	30305	Pb-212	1.51	0.022	0.099	2.69	0.00 - 0.50
5A-00034	30306	Pb-212	1.76	0.02	0.12	2.69	1.00 - 5.00
5A-00034	30305	Th-230	0.902	0.003	0.048	2.2	0.00 - 0.50
5A-00034	30306	Th-230	1.27	0.01	0.064	2.2	1.00 - 5.00
5A-00034	30305	Bi-212	0.912	0.11	0.077	2.15	0.00 - 0.50
5A-00034	30306	Bi-212	1.14	0.12	0.09	2.15	1.00 - 5.00
5A-00034	30305	U-233/234	0.802	0.008	0.045	2.02	0.00 - 0.50
5A-00034	30306	U-233/234	0.792	0.003	0.046	2.02	1.00 - 5.00
5A-00034	30305	U-238	0.747	0.003	0.042	1.8	0.00 - 0.50
5A-00034	30306	U-238	0.752	0.009	0.044	1.8	1.00 - 5.00
5A-00034	30305	Pb-214	0.948	0.023	0.051	1.7	0.00 - 0.50
5A-00034	30306	Pb-214	1.13	0.02	0.06	1.7	1.00 - 5.00
5A-00034	30305	Bi-214	0.827	0.024	0.045	1.59	0.00 - 0.50
5A-00034	30306	Bi-214	0.992	0.021	0.053	1.59	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00034	30305	Tl-208	0.445	0.018	0.026	0.937	0.00 - 0.50
5A-00034	30306	Tl-208	0.529 J	0.016	0.029	0.937	1.00 - 5.00
5A-00034	30305	Pa-231	0.14 U	0.44	0.081	0.936	0.00 - 0.50
5A-00034	30306	Pa-231	-0.19 U	0.49	0.15	0.936	1.00 - 5.00
5A-00034	30305	Sr-90	0.012 U	0.043	0.013	0.485	0.00 - 0.50
5A-00034	30306	Sr-90	0.008 U	0.044	0.013	0.485	1.00 - 5.00
5A-00034	30305	Sb-125	0.0982 SK	0.033	0.0086	0.354	0.00 - 0.50
5A-00034	30306	Sb-125	0.138 SK	0.035	0.011	0.354	1.00 - 5.00
5A-00034	30305	Eu-155	0.072 SK	0.033	0.015	0.231	0.00 - 0.50
5A-00034	30306	Eu-155	0.053 SK	0.036	0.011	0.231	1.00 - 5.00
5A-00034	30305	Ac-227	0.362 JRZ	0.12	0.024	0.217	0.00 - 0.50
5A-00034	30306	Ac-227	0.071	0.12	0.018	0.217	1.00 - 5.00
5A-00034	30305	Cs-137	-0.0034 U	0.014	0.0041	0.207	0.00 - 0.50
5A-00034	30306	Cs-137	-0.003 U	0.013	0.0039	0.207	1.00 - 5.00
5A-00034	30305	U-235/236	0.029	0.0036	0.0063	0.151	0.00 - 0.50
5A-00034	30306	U-235/236	0.0488	0.0041	0.0089	0.151	1.00 - 5.00
5A-00034	30305	Eu-154	-0.032 U J	0.087	0.026	0.15	0.00 - 0.50
5A-00034	30306	Eu-154	-0.01 U	0.065	0.019	0.15	1.00 - 5.00
5A-00034	30305	Th-229	0.0057	0.0022	0.0022	0.145	0.00 - 0.50
5A-00034	30306	Th-229	0.0098	0.0072	0.0034	0.145	1.00 - 5.00
5A-00034	30305	Np-239	-0.012 U	0.078	0.024	0.139	0.00 - 0.50
5A-00034	30306	Np-239	0.004 U	0.076	0.023	0.139	1.00 - 5.00
5A-00034	30305	Cs-134	0.01 U J	0.045	0.0025	0.0864	0.00 - 0.50
5A-00034	30306	Cs-134	0.0163 U	0.045	0.0041	0.0864	1.00 - 5.00
5A-00034	30305	Te-125m	0.0227 SK	0.0076	0.002	0.0838	0.00 - 0.50
5A-00034	30306	Te-125m	0.0318 SK	0.0081	0.0024	0.0838	1.00 - 5.00
5A-00034	30305	Eu-152	0.0207 KR	0.033	0.0097	0.0566	0.00 - 0.50
5A-00034	30306	Eu-152	-0.0116 U	0.032	0.0097	0.0566	1.00 - 5.00
5A-00034	30305	Np-236	-0.0049 U	0.026	0.0079	0.047	0.00 - 0.50
5A-00034	30306	Np-236	-0.0061 U	0.027	0.0082	0.047	1.00 - 5.00
5A-00034	30305	Am-241	0.0025	0.0061	0.0019	0.0454	0.00 - 0.50
5A-00034	30306	Am-241	-0.0034 U	0.014	0.0026	0.0454	1.00 - 5.00
5A-00034	30305	Pu-236	0 U	0.0025	0.0005	0.0448	0.00 - 0.50
5A-00034	30305	Cm-243/244	-0.0008 U	0.0062	0.0008	0.0443	0.00 - 0.50
5A-00034	30306	Cm-243/244	-0.0012 U	0.0085	0.0012	0.0443	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00034	30305	Ho-166m	0.0376 SK	0.02	0.0052	0.0432	0.00 - 0.50
5A-00034	30306	Ho-166m	0.011 JSK	0.02	0.0033	0.0432	1.00 - 5.00
5A-00034	30305	Pu-238	0.0008 U	0.0021	0.0008	0.0415	0.00 - 0.50
5A-00034	30306	Pu-238	0.0007 U	0.01	0.0024	0.0415	1.00 - 5.00
5A-00034	30305	Pu-239/240	0.0015	0.002	0.0011	0.0404	0.00 - 0.50
5A-00034	30306	Pu-239/240	0.0011 U	0.0031	0.0011	0.0404	1.00 - 5.00
5A-00034	30305	Cm-245/246	0 U	0.002	0.0007	0.0401	0.00 - 0.50
5A-00034	30306	Cm-245/246	0.0032	0.0043	0.0022	0.0401	1.00 - 5.00
5A-00034	30305	Na-22	0.0008 U	0.019	0.0057	0.037	0.00 - 0.50
5A-00034	30306	Na-22	0.0014 U	0.019	0.0058	0.037	1.00 - 5.00
5A-00034	30305	Pu-244	0.0015	0.002	0.0011	0.0313	0.00 - 0.50
5A-00034	30306	Pu-244	0.0023	0.0031	0.0016	0.0313	1.00 - 5.00
5A-00034	30305	Cm-247/248	0.0007 U	0.002	0.0007	0.0306	0.00 - 0.50
5A-00034	30306	Cm-247/248	0.0006 U	0.0092	0.0018	0.0306	1.00 - 5.00
5A-00034	30305	Co-60	0.0083 KR	0.012	0.0036	0.028	0.00 - 0.50
5A-00034	30306	Co-60	0.0011 U	0.015	0.0046	0.028	1.00 - 5.00
5A-00034	30305	Sn-126	-0.0011 U	0.013	0.0038	0.0237	0.00 - 0.50
5A-00034	30306	Sn-126	-0.0036 U	0.013	0.0039	0.0237	1.00 - 5.00
5A-00034	30305	Nb-94	0.0053 U	0.011	0.0035	0.0214	0.00 - 0.50
5A-00034	30306	Nb-94	0.0082 SK	0.011	0.0034	0.0214	1.00 - 5.00
5A-00035	30307	Cd-113m	-0.08 U	32	9.5	3030	0.00 - 0.50
5A-00035	30308	Cd-113m	9 U	34	10	3030	1.00 - 5.00
5A-00035	30307	Tm-171	0.2 U	5.6	1.7	72.4	0.00 - 0.50
5A-00035	30308	Tm-171	0.02 U J	5	1.5	72.4	1.00 - 5.00
5A-00035	30307	K-40	22.4	0.1	1.1	32.4	0.00 - 0.50
5A-00035	30308	K-40	20.3	0.1	1	32.4	1.00 - 5.00
5A-00035	30307	Th-228	1.17	0.018	0.06	3.98	0.00 - 0.50
5A-00035	30308	Th-228	1.29	0.011	0.064	3.98	1.00 - 5.00
5A-00035	30307	Th-234	1.47 R	0.13	0.1	3.19	0.00 - 0.50
5A-00035	30308	Th-234	1.64 R	0.14	0.11	3.19	1.00 - 5.00
5A-00035	30307	Th-232	1.19	0.003	0.061	3.1	0.00 - 0.50
5A-00035	30308	Th-232	1.33	0.002	0.066	3.1	1.00 - 5.00
5A-00035	30307	Pb-212	1.48	0.021	0.097	2.69	0.00 - 0.50
5A-00035	30308	Pb-212	1.69	0.02	0.11	2.69	1.00 - 5.00
5A-00035	30307	Th-230	0.987	0.012	0.052	2.2	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00035	30308	Th-230	1.01	0.01	0.052	2.2	1.00 - 5.00
5A-00035	30307	Bi-212	0.963	0.11	0.08	2.15	0.00 - 0.50
5A-00035	30308	Bi-212	1.06	0.11	0.082	2.15	1.00 - 5.00
5A-00035	30307	U-233/234	0.741	0.011	0.043	2.02	0.00 - 0.50
5A-00035	30308	U-233/234	0.707	0.003	0.041	2.02	1.00 - 5.00
5A-00035	30307	U-238	0.771	0.013	0.044	1.8	0.00 - 0.50
5A-00035	30308	U-238	0.728	0.008	0.042	1.8	1.00 - 5.00
5A-00035	30307	Pb-214	0.917	0.02	0.05	1.7	0.00 - 0.50
5A-00035	30308	Pb-214	0.908	0.02	0.049	1.7	1.00 - 5.00
5A-00035	30307	Bi-214	0.817	0.023	0.045	1.59	0.00 - 0.50
5A-00035	30308	Bi-214	0.815	0.019	0.044	1.59	1.00 - 5.00
5A-00035	30307	Tl-208	0.452	0.014	0.025	0.937	0.00 - 0.50
5A-00035	30308	Tl-208	0.513 J	0.015	0.028	0.937	1.00 - 5.00
5A-00035	30307	Pa-231	0.18 U	0.46	0.14	0.936	0.00 - 0.50
5A-00035	30308	Pa-231	0.03 U	0.37	0.11	0.936	1.00 - 5.00
5A-00035	30307	Sr-90	-0.016 U	0.041	0.011	0.485	0.00 - 0.50
5A-00035	30308	Sr-90	0.01 U	0.038	0.011	0.485	1.00 - 5.00
5A-00035	30307	Sb-125	0.109 SK	0.033	0.0094	0.354	0.00 - 0.50
5A-00035	30308	Sb-125	0.14 SK	0.026	0.011	0.354	1.00 - 5.00
5A-00035	30307	Eu-155	0.068 SK	0.031	0.014	0.231	0.00 - 0.50
5A-00035	30308	Eu-155	0.08 SK	0.029	0.012	0.231	1.00 - 5.00
5A-00035	30307	Ac-227	0.077 J	0.12	0.017	0.217	0.00 - 0.50
5A-00035	30308	Ac-227	0.03 U	0.12	0.023	0.217	1.00 - 5.00
5A-00035	30307	Cs-137	0.0195	0.0092	0.0042	0.207	0.00 - 0.50
5A-00035	30308	Cs-137	-0.0031 U	0.012	0.0037	0.207	1.00 - 5.00
5A-00035	30307	U-235/236	0.0455	0.004	0.0084	0.151	0.00 - 0.50
5A-00035	30308	U-235/236	0.0349	0.01	0.0074	0.151	1.00 - 5.00
5A-00035	30307	Eu-154	-0.032 U J	0.079	0.024	0.15	0.00 - 0.50
5A-00035	30308	Eu-154	0.0065 U	0.086	0.0078	0.15	1.00 - 5.00
5A-00035	30307	Th-229	0.0056	0.0069	0.0027	0.145	0.00 - 0.50
5A-00035	30308	Th-229	0.0061	0.0075	0.0029	0.145	1.00 - 5.00
5A-00035	30307	Np-239	0.017 U	0.075	0.023	0.139	0.00 - 0.50
5A-00035	30308	Np-239	0.013 U	0.073	0.022	0.139	1.00 - 5.00
5A-00035	30307	Cs-134	0.0087 U J	0.038	0.0024	0.0864	0.00 - 0.50
5A-00035	30308	Cs-134	0.005 U	0.047	0.015	0.0864	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00035	30307	Te-125m	0.0252 SK	0.0075	0.0022	0.0838	0.00 - 0.50
5A-00035	30308	Te-125m	0.0322 SK	0.006	0.0025	0.0838	1.00 - 5.00
5A-00035	30307	Eu-152	0.0104 U	0.031	0.0091	0.0566	0.00 - 0.50
5A-00035	30308	Eu-152	0.0088 U	0.028	0.0042	0.0566	1.00 - 5.00
5A-00035	30307	Np-236	-0.0023 U	0.024	0.0072	0.047	0.00 - 0.50
5A-00035	30308	Np-236	-0.0084 U	0.027	0.0082	0.047	1.00 - 5.00
5A-00035	30307	Am-241	-0.0014 U	0.015	0.0031	0.0454	0.00 - 0.50
5A-00035	30308	Am-241	0 U	0.0099	0.0022	0.0454	1.00 - 5.00
5A-00035	30307	Pu-236	0 U	0.0031	0.0007	0.0448	0.00 - 0.50
5A-00035	30307	Cm-243/244	0.0028 U	0.0038	0.002	0.0443	0.00 - 0.50
5A-00035	30308	Cm-243/244	0.0009 U	0.0025	0.0009	0.0443	1.00 - 5.00
5A-00035	30307	Ho-166m	0.0073 SK	0.014	0.0051	0.0432	0.00 - 0.50
5A-00035	30308	Ho-166m	0.0113 JSK	0.02	0.0059	0.0432	1.00 - 5.00
5A-00035	30307	Pu-238	0.001 U	0.0026	0.001	0.0415	0.00 - 0.50
5A-00035	30308	Pu-238	0.0011 U	0.0084	0.0021	0.0415	1.00 - 5.00
5A-00035	30307	Pu-239/240	0.001 U	0.0026	0.001	0.0404	0.00 - 0.50
5A-00035	30308	Pu-239/240	-0.0006 U	0.0065	0.0011	0.0404	1.00 - 5.00
5A-00035	30307	Cm-245/246	0.0012 U	0.0088	0.0021	0.0401	0.00 - 0.50
5A-00035	30308	Cm-245/246	0.0011 U	0.0031	0.0011	0.0401	1.00 - 5.00
5A-00035	30307	Na-22	-0.0036 U	0.019	0.0058	0.037	0.00 - 0.50
5A-00035	30308	Na-22	0.0145	0.013	0.006	0.037	1.00 - 5.00
5A-00035	30307	Pu-244	0.0019	0.0026	0.0013	0.0313	0.00 - 0.50
5A-00035	30308	Pu-244	0.0019	0.0047	0.0014	0.0313	1.00 - 5.00
5A-00035	30307	Cm-247/248	0.0023 U	0.0032	0.0017	0.0306	0.00 - 0.50
5A-00035	30308	Cm-247/248	-0.0022 U	0.012	0.0022	0.0306	1.00 - 5.00
5A-00035	30307	Co-60	0.0037 U	0.015	0.0037	0.028	0.00 - 0.50
5A-00035	30308	Co-60	0.0014 U	0.015	0.0024	0.028	1.00 - 5.00
5A-00035	30307	Sn-126	0.0002 U	0.012	0.0036	0.0237	0.00 - 0.50
5A-00035	30308	Sn-126	0.0002 U	0.012	0.0037	0.0237	1.00 - 5.00
5A-00035	30307	Nb-94	0.0034 U	0.011	0.0033	0.0214	0.00 - 0.50
5A-00035	30308	Nb-94	0.0055 SK	0.011	0.0034	0.0214	1.00 - 5.00
5A-00036	30309	Cd-113m	19.9 U	86.5	25.6	3030	0.00 - 0.50
5A-00036	30310	Cd-113m	-24.9 U	83.4	26.6	3030	1.00 - 5.00
5A-00036	30309	Tm-171	-3.51 U	10.5	3.56	72.4	0.00 - 0.50
5A-00036	30310	Tm-171	-4.5 U	9.76	3.59	72.4	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00036	30309	K-40	22.3	0.0913	1.3	32.4	0.00 - 0.50
5A-00036	30310	K-40	22.5	0.0926	1.27	32.4	1.00 - 5.00
5A-00036	30309	Th-228	1.47	0.164	0.153	3.98	0.00 - 0.50
5A-00036	30310	Th-228	1.36	0.0698	0.147	3.98	1.00 - 5.00
5A-00036	30309	Th-234	1.39	0.195	0.121	3.19	0.00 - 0.50
5A-00036	30310	Th-234	1.32	0.194	0.114	3.19	1.00 - 5.00
5A-00036	30309	Th-232	1.37	0.0505	0.132	3.1	0.00 - 0.50
5A-00036	30310	Th-232	1.13	0.0217	0.122	3.1	1.00 - 5.00
5A-00036	30309	Pb-212	1.35	0.0246	0.0839	2.69	0.00 - 0.50
5A-00036	30310	Pb-212	1.51	0.0244	0.0895	2.69	1.00 - 5.00
5A-00036	30309	Th-230	0.716	0.064	0.0856	2.2	0.00 - 0.50
5A-00036	30310	Th-230	0.939	0.0745	0.109	2.2	1.00 - 5.00
5A-00036	30309	Bi-212	0.835	0.101	0.0702	2.15	0.00 - 0.50
5A-00036	30310	Bi-212	1	0.0981	0.0681	2.15	1.00 - 5.00
5A-00036	30309	U-233/234	0.618	0.0666	0.0836	2.02	0.00 - 0.50
5A-00036	30310	U-233/234	0.891	0.0188	0.0778	2.02	1.00 - 5.00
5A-00036	30309	U-238	0.777	0.058	0.0968	1.8	0.00 - 0.50
5A-00036	30310	U-238	0.858	0.0335	0.0758	1.8	1.00 - 5.00
5A-00036	30309	Pb-214	0.97	0.0223	0.0473	1.7	0.00 - 0.50
5A-00036	30310	Pb-214	0.974	0.0213	0.0452	1.7	1.00 - 5.00
5A-00036	30309	Bi-214	0.893	0.0206	0.0404	1.59	0.00 - 0.50
5A-00036	30310	Bi-214	0.856	0.0202	0.0388	1.59	1.00 - 5.00
5A-00036	30309	Tl-208	0.428	0.0127	0.0237	0.937	0.00 - 0.50
5A-00036	30310	Tl-208	0.473	0.0123	0.0253	0.937	1.00 - 5.00
5A-00036	30309	Pa-231	-0.142 U	0.522	0.158	0.936	0.00 - 0.50
5A-00036	30310	Pa-231	-0.0723 U	0.512	0.16	0.936	1.00 - 5.00
5A-00036	30309	Sr-90	-0.077 U K	0.258	0.0622	0.485	0.00 - 0.50
5A-00036	30310	Sr-90	0.0347 U K	0.165	0.0468	0.485	1.00 - 5.00
5A-00036	30309	Sb-125	-0.0118 U	0.0321	0.0102	0.354	0.00 - 0.50
5A-00036	30310	Sb-125	0.0158 SK	0.0316	0.0099	0.354	1.00 - 5.00
5A-00036	30309	Eu-155	0.0365 SK	0.0466	0.0162	0.231	0.00 - 0.50
5A-00036	30310	Eu-155	0.0699 SK	0.0456	0.0208	0.231	1.00 - 5.00
5A-00036	30309	Ac-227	-0.0401 U	0.129	0.0391	0.217	0.00 - 0.50
5A-00036	30310	Ac-227	-0.0568 U	0.124	0.0409	0.217	1.00 - 5.00
5A-00036	30309	Cs-137	0.0609	0.0124	0.007	0.207	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00036	30310	Cs-137	0.0143	0.011	0.0045	0.207	1.00 - 5.00
5A-00036	30309	U-235/236	0.0506	0.0717	0.0261	0.151	0.00 - 0.50
5A-00036	30310	U-235/236	0.104	0.0086	0.0195	0.151	1.00 - 5.00
5A-00036	30309	Eu-154	-0.0352 U	0.0694	0.0231	0.15	0.00 - 0.50
5A-00036	30310	Eu-154	0.0372 J	0.0687	0.0242	0.15	1.00 - 5.00
5A-00036	30309	Th-229	0.0345 U	0.0904	0.0268	0.145	0.00 - 0.50
5A-00036	30310	Th-229	0 U	0.0966	0.0227	0.145	1.00 - 5.00
5A-00036	30309	Np-239	-0.0291 U	0.0849	0.0277	0.139	0.00 - 0.50
5A-00036	30310	Np-239	-0.0113 U	0.0835	0.0257	0.139	1.00 - 5.00
5A-00036	30309	Cs-134	0.0016 U	0.0114	0.0038	0.0864	0.00 - 0.50
5A-00036	30310	Cs-134	0.0004 U	0.0109	0.0038	0.0864	1.00 - 5.00
5A-00036	30309	Eu-152	0.0042 U	0.0317	0.0107	0.0566	0.00 - 0.50
5A-00036	30310	Eu-152	-0.0169 U	0.0305	0.0102	0.0566	1.00 - 5.00
5A-00036	30309	Np-236	-0.0008 U	0.0241	0.0073	0.047	0.00 - 0.50
5A-00036	30310	Np-236	-0.0017 U	0.0238	0.007	0.047	1.00 - 5.00
5A-00036	30309	Am-241	0.019	0.0267	0.0097	0.0454	0.00 - 0.50
5A-00036	30310	Am-241	0.0015 U	0.0209	0.0046	0.0454	1.00 - 5.00
5A-00036	30309	Pu-236	0.0019 U	0.0214	0.0043	0.0448	0.00 - 0.50
5A-00036	30310	Pu-236	0.0044 U	0.0216	0.0056	0.0448	1.00 - 5.00
5A-00036	30309	Cm-243/244	-0.0001 U	0.0382	0.0087	0.0443	0.00 - 0.50
5A-00036	30310	Cm-243/244	0.0062	0.0172	0.0051	0.0443	1.00 - 5.00
5A-00036	30309	Ho-166m	-0.0122 U	0.0177	0.0064	0.0432	0.00 - 0.50
5A-00036	30310	Ho-166m	0.0003 U	0.018	0.0055	0.0432	1.00 - 5.00
5A-00036	30309	Pu-238	0 U	0.0232	0.0042	0.0415	0.00 - 0.50
5A-00036	30310	Pu-238	-0.0031 U	0.0169	0.0031	0.0415	1.00 - 5.00
5A-00036	30309	Pu-239/240	0.0153	0.0312	0.0099	0.0404	0.00 - 0.50
5A-00036	30310	Pu-239/240	0.0033 U	0.0168	0.0043	0.0404	1.00 - 5.00
5A-00036	30309	Na-22	0.0154 J	0.0167	0.0065	0.037	0.00 - 0.50
5A-00036	30310	Na-22	-0.0015 U	0.0154	0.0047	0.037	1.00 - 5.00
5A-00036	30309	Pu-244	-0.0035 U	0.0231	0.0042	0.0313	0.00 - 0.50
5A-00036	30310	Pu-244	0.0021	0.0058	0.0021	0.0313	1.00 - 5.00
5A-00036	30309	Co-60	0.0046 U	0.013	0.0039	0.028	0.00 - 0.50
5A-00036	30310	Co-60	0.0007 U	0.0127	0.0038	0.028	1.00 - 5.00
5A-00036	30309	Sn-126	-0.0036 U	0.0116	0.0036	0.0237	0.00 - 0.50
5A-00036	30310	Sn-126	-0.0068 U	0.0113	0.0039	0.0237	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00036	30309	Nb-94	0.0089 SK	0.0108	0.0037	0.0214	0.00 - 0.50
5A-00036	30310	Nb-94	0.0038 U	0.0106	0.0033	0.0214	1.00 - 5.00
5A-00037	30311	Cd-113m	9.3 U	32	9.7	3030	0.00 - 0.50
5A-00037	30312	Cd-113m	14 U	35	11	3030	1.00 - 5.00
5A-00037	30311	Tm-171	-1.3 U	4.9	1.5	72.4	0.00 - 0.50
5A-00037	30312	Tm-171	1.9 U	4.8	1.5	72.4	1.00 - 5.00
5A-00037	30311	K-40	21.7	0.13	0.72	32.4	0.00 - 0.50
5A-00037	30312	K-40	21.3	0.1	1.1	32.4	1.00 - 5.00
5A-00037	30311	Th-228	1.12	0.014	0.056	3.98	0.00 - 0.50
5A-00037	30312	Th-228	1.78	0.024	0.09	3.98	1.00 - 5.00
5A-00037	30311	Th-234	1.3 R	0.12	0.075	3.19	0.00 - 0.50
5A-00037	30312	Th-234	1.62 R	0.14	0.11	3.19	1.00 - 5.00
5A-00037	30311	Th-232	1.07	0.002	0.054	3.1	0.00 - 0.50
5A-00037	30312	Th-232	1.33	0.003	0.067	3.1	1.00 - 5.00
5A-00037	30311	Pb-212	1.42	0.019	0.075	2.69	0.00 - 0.50
5A-00037	30312	Pb-212	1.68	0.03	0.11	2.69	1.00 - 5.00
5A-00037	30311	Th-230	0.831	0.006	0.044	2.2	0.00 - 0.50
5A-00037	30312	Th-230	1.05	0.011	0.055	2.2	1.00 - 5.00
5A-00037	30311	Bi-212	0.842	0.095	0.058	2.15	0.00 - 0.50
5A-00037	30312	Bi-212	1.09	0.11	0.085	2.15	1.00 - 5.00
5A-00037	30311	U-233/234	0.626	0.007	0.036	2.02	0.00 - 0.50
5A-00037	30312	U-233/234	0.995	0.011	0.056	2.02	1.00 - 5.00
5A-00037	30311	U-238	0.65	0.01	0.037	1.8	0.00 - 0.50
5A-00037	30312	U-238	0.973	0.011	0.055	1.8	1.00 - 5.00
5A-00037	30311	Pb-214	0.957	0.021	0.036	1.7	0.00 - 0.50
5A-00037	30312	Pb-214	1.01	0.022	0.055	1.7	1.00 - 5.00
5A-00037	30311	Bi-214	0.865	0.02	0.032	1.59	0.00 - 0.50
5A-00037	30312	Bi-214	0.912	0.022	0.049	1.59	1.00 - 5.00
5A-00037	30311	Tl-208	0.429	0.015	0.017	0.937	0.00 - 0.50
5A-00037	30312	Tl-208	0.515	0.016	0.029	0.937	1.00 - 5.00
5A-00037	30311	Pa-231	0.17 U	0.48	0.14	0.936	0.00 - 0.50
5A-00037	30312	Pa-231	-0.07 U	0.48	0.14	0.936	1.00 - 5.00
5A-00037	30311	Sr-90	0.027 U	0.061	0.018	0.485	0.00 - 0.50
5A-00037	30312	Sr-90	0.013 U	0.058	0.017	0.485	1.00 - 5.00
5A-00037	30311	Sb-125	0.124 JSK	0.027	0.009	0.354	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00037	30312	Sb-125	0.145 SK	0.036	0.011	0.354	1.00 - 5.00
5A-00037	30311	Eu-155	0.071 SK	0.03	0.013	0.231	0.00 - 0.50
5A-00037	30312	Eu-155	0.069 SK	0.03	0.012	0.231	1.00 - 5.00
5A-00037	30311	Ac-227	0.056	0.11	0.014	0.217	0.00 - 0.50
5A-00037	30312	Ac-227	0.379 RZ	0.12	0.025	0.217	1.00 - 5.00
5A-00037	30311	Cs-137	0.0787	0.0092	0.0053	0.207	0.00 - 0.50
5A-00037	30312	Cs-137	-0.0046 U	0.014	0.0041	0.207	1.00 - 5.00
5A-00037	30311	U-235/236	0.0308	0.0084	0.0063	0.151	0.00 - 0.50
5A-00037	30312	U-235/236	0.05	0.019	0.011	0.151	1.00 - 5.00
5A-00037	30311	Eu-154	0.007 U	0.07	0.011	0.15	0.00 - 0.50
5A-00037	30312	Eu-154	-0.027 U	0.088	0.027	0.15	1.00 - 5.00
5A-00037	30311	Th-229	0.004 U	0.014	0.0042	0.145	0.00 - 0.50
5A-00037	30312	Th-229	0.0145	0.016	0.0058	0.145	1.00 - 5.00
5A-00037	30311	Np-239	0.002 U	0.073	0.022	0.139	0.00 - 0.50
5A-00037	30312	Np-239	0.005 U	0.078	0.024	0.139	1.00 - 5.00
5A-00037	30311	Cs-134	0.007 U	0.041	0.0021	0.0864	0.00 - 0.50
5A-00037	30312	Cs-134	-0.004 U	0.05	0.015	0.0864	1.00 - 5.00
5A-00037	30311	Te-125m	0.0287 JSK	0.0062	0.0021	0.0838	0.00 - 0.50
5A-00037	30312	Te-125m	0.0335 SK	0.0084	0.0026	0.0838	1.00 - 5.00
5A-00037	30311	Eu-152	-0.0007 U	0.03	0.0006	0.0566	0.00 - 0.50
5A-00037	30312	Eu-152	0.005 U	0.028	0.011	0.0566	1.00 - 5.00
5A-00037	30311	Np-236	-0.0075 U	0.025	0.0075	0.047	0.00 - 0.50
5A-00037	30312	Np-236	-0.0108 U	0.028	0.0085	0.047	1.00 - 5.00
5A-00037	30311	Am-241	0.0041	0.0064	0.0022	0.0454	0.00 - 0.50
5A-00037	30312	Am-241	0 U	0.0076	0.0016	0.0454	1.00 - 5.00
5A-00037	30311	Pu-236	-0.0004 U	0.0029	0.0004	0.0448	0.00 - 0.50
5A-00037	30311	Cm-243/244	0 U	0.0089	0.0023	0.0443	0.00 - 0.50
5A-00037	30312	Cm-243/244	0.0025 U	0.0077	0.0022	0.0443	1.00 - 5.00
5A-00037	30311	Ho-166m	0.0056 U	0.016	0.0045	0.0432	0.00 - 0.50
5A-00037	30312	Ho-166m	0.0093 U J	0.021	0.0071	0.0432	1.00 - 5.00
5A-00037	30311	Pu-238	0.0008 U	0.0011	0.0006	0.0415	0.00 - 0.50
5A-00037	30312	Pu-238	0.0043	0.0013	0.0014	0.0415	1.00 - 5.00
5A-00037	30311	Pu-239/240	0.0031	0.0011	0.0011	0.0404	0.00 - 0.50
5A-00037	30312	Pu-239/240	0.0033	0.0013	0.0013	0.0404	1.00 - 5.00
5A-00037	30311	Cm-245/246	0.0013 U	0.0035	0.0013	0.0401	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00037	30312	Cm-245/246	0.0012 U	0.0031	0.0012	0.0401	1.00 - 5.00
5A-00037	30311	Na-22	0.0009 U	0.018	0.0055	0.037	0.00 - 0.50
5A-00037	30312	Na-22	-0.0095 U	0.021	0.0064	0.037	1.00 - 5.00
5A-00037	30311	Pu-244	0.0012	0.0011	0.0007	0.0313	0.00 - 0.50
5A-00037	30312	Pu-244	0 U	0.0035	0.0007	0.0313	1.00 - 5.00
5A-00037	30311	Cm-247/248	0 U	0.0035	0.001	0.0306	0.00 - 0.50
5A-00037	30312	Cm-247/248	0.0011 U	0.0031	0.0011	0.0306	1.00 - 5.00
5A-00037	30311	Co-60	0.002 U	0.014	0.0042	0.028	0.00 - 0.50
5A-00037	30312	Co-60	0.0031 U	0.016	0.0047	0.028	1.00 - 5.00
5A-00037	30311	Sn-126	0.0025 U	0.012	0.0035	0.0237	0.00 - 0.50
5A-00037	30312	Sn-126	-0.0002 U	0.013	0.004	0.0237	1.00 - 5.00
5A-00037	30311	Nb-94	0.0033 U	0.01	0.0031	0.0214	0.00 - 0.50
5A-00037	30312	Nb-94	0.01 SK	0.0089	0.004	0.0214	1.00 - 5.00
5A-00038	30313	Cd-113m	8.8 U	32	9.6	3030	0.00 - 0.50
5A-00038	30313	Cd-113m	8.8	32	9.6	3030	0.00 - 0.50
5A-00038	30314	Cd-113m	5 U	34	10	3030	1.00 - 5.00
5A-00038	30313	Tm-171	-0.6 U	5	15	72.4	0.00 - 0.50
5A-00038	30313	Tm-171	-0.6	5	15	72.4	0.00 - 0.50
5A-00038	30314	Tm-171	-0.8 U	5.9	1.8	72.4	1.00 - 5.00
5A-00038	30313	K-40	22.2	0.1	1.1	32.4	0.00 - 0.50
5A-00038	30313	K-40	22.2	0.1	1.1	32.4	0.00 - 0.50
5A-00038	30314	K-40	19.1	0.13	0.94	32.4	1.00 - 5.00
5A-00038	30313	Th-228	1.07	0.011	0.054	3.98	0.00 - 0.50
5A-00038	30313	Th-228	1.07	0.011	0.054	3.98	0.00 - 0.50
5A-00038	30314	Th-228	1.7	0.024	0.085	3.98	1.00 - 5.00
5A-00038	30313	Th-234	0.602	0.12	0.05	3.19	0.00 - 0.50
5A-00038	30313	Th-234	0.602 R	0.12	0.05	3.19	0.00 - 0.50
5A-00038	30314	Th-234	1.5 R	0.15	0.1	3.19	1.00 - 5.00
5A-00038	30313	Th-232	1.02	0.007	0.051	3.1	0.00 - 0.50
5A-00038	30313	Th-232	1.02	0.007	0.051	3.1	0.00 - 0.50
5A-00038	30314	Th-232	1.29	0.002	0.064	3.1	1.00 - 5.00
5A-00038	30313	Pb-212	1.46	0.019	0.095	2.69	0.00 - 0.50
5A-00038	30313	Pb-212	1.46	0.019	0.095	2.69	0.00 - 0.50
5A-00038	30314	Pb-212	1.69	0.026	0.095	2.69	1.00 - 5.00
5A-00038	30313	Th-230	0.783	0.007	0.041	2.2	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00038	30313	Th-230	0.783	0.007	0.041	2.2	0.00 - 0.50
5A-00038	30314	Th-230	0.997	0.006	0.051	2.2	1.00 - 5.00
5A-00038	30313	Bi-212	0.89	0.1	0.071	2.15	0.00 - 0.50
5A-00038	30313	Bi-212	0.89	0.1	0.071	2.15	0.00 - 0.50
5A-00038	30314	Bi-212	1.16	0.15	0.1	2.15	1.00 - 5.00
5A-00038	30313	U-233/234	0.634	0.002	0.036	2.02	0.00 - 0.50
5A-00038	30313	U-233/234	0.634	0.002	0.036	2.02	0.00 - 0.50
5A-00038	30314	U-233/234	0.801	0.01	0.045	2.02	1.00 - 5.00
5A-00038	30313	U-238	0.6	0.002	0.034	1.8	0.00 - 0.50
5A-00038	30313	U-238	0.6	0.002	0.034	1.8	0.00 - 0.50
5A-00038	30314	U-238	0.763	0.008	0.043	1.8	1.00 - 5.00
5A-00038	30313	Pb-214	0.831	0.018	0.045	1.7	0.00 - 0.50
5A-00038	30313	Pb-214	0.831	0.018	0.045	1.7	0.00 - 0.50
5A-00038	30314	Pb-214	0.953	0.027	0.05	1.7	1.00 - 5.00
5A-00038	30313	Bi-214	0.713	0.02	0.039	1.59	0.00 - 0.50
5A-00038	30313	Bi-214	0.713	0.02	0.039	1.59	0.00 - 0.50
5A-00038	30314	Bi-214	0.881	0.025	0.046	1.59	1.00 - 5.00
5A-00038	30313	Tl-208	0.427	0.013	0.024	0.937	0.00 - 0.50
5A-00038	30313	Tl-208	0.427	0.013	0.024	0.937	0.00 - 0.50
5A-00038	30314	Tl-208	0.508	0.021	0.028	0.937	1.00 - 5.00
5A-00038	30313	Pa-231	0.07 U	0.45	0.14	0.936	0.00 - 0.50
5A-00038	30313	Pa-231	0.07	0.45	0.14	0.936	0.00 - 0.50
5A-00038	30314	Pa-231	-0.16 U	0.6	0.18	0.936	1.00 - 5.00
5A-00038	30313	Sr-90	0.007 U	0.05	0.015	0.485	0.00 - 0.50
5A-00038	30313	Sr-90	0.007	0.05	0.015	0.485	0.00 - 0.50
5A-00038	30314	Sr-90	0.024	0.037	0.012	0.485	1.00 - 5.00
5A-00038	30313	Sb-125	0.128	0.033	0.011	0.354	0.00 - 0.50
5A-00038	30313	Sb-125	0.128 SK	0.033	0.011	0.354	0.00 - 0.50
5A-00038	30314	Sb-125	0.117 SK	0.05	0.011	0.354	1.00 - 5.00
5A-00038	30313	Eu-155	0.066 SK	0.028	0.012	0.231	0.00 - 0.50
5A-00038	30313	Eu-155	0.066	0.028	0.012	0.231	0.00 - 0.50
5A-00038	30314	Eu-155	0.105 SK	0.034	0.014	0.231	1.00 - 5.00
5A-00038	30313	Ac-227	-0.038	0.098	0.03	0.217	0.00 - 0.50
5A-00038	30313	Ac-227	-0.038 U	0.098	0.03	0.217	0.00 - 0.50
5A-00038	30314	Ac-227	0.1	0.12	0.047	0.217	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00038	30313	Cs-137	0.041	0.01	0.0056	0.207	0.00 - 0.50
5A-00038	30313	Cs-137	0.041	0.01	0.0056	0.207	0.00 - 0.50
5A-00038	30314	Cs-137	0.0079 U	0.018	0.0061	0.207	1.00 - 5.00
5A-00038	30313	U-235/236	0.0206	0.012	0.0055	0.151	0.00 - 0.50
5A-00038	30313	U-235/236	0.0206	0.012	0.0055	0.151	0.00 - 0.50
5A-00038	30314	U-235/236	0.0507	0.0037	0.0086	0.151	1.00 - 5.00
5A-00038	30313	Eu-154	0.017	0.074	0.017	0.15	0.00 - 0.50
5A-00038	30313	Eu-154	0.017 U	0.074	0.017	0.15	0.00 - 0.50
5A-00038	30314	Eu-154	-0.054 U	0.12	0.036	0.15	1.00 - 5.00
5A-00038	30313	Th-229	0.0016	0.0094	0.0026	0.145	0.00 - 0.50
5A-00038	30313	Th-229	0.0016 U	0.0094	0.0026	0.145	0.00 - 0.50
5A-00038	30314	Th-229	0.0088	0.018	0.0056	0.145	1.00 - 5.00
5A-00038	30313	Np-239	0.0002 U	0.07	0.021	0.139	0.00 - 0.50
5A-00038	30313	Np-239	0.0002	0.07	0.021	0.139	0.00 - 0.50
5A-00038	30314	Np-239	0.018 U	0.082	0.025	0.139	1.00 - 5.00
5A-00038	30313	Cs-134	0.0027 U	0.035	0.0009	0.0864	0.00 - 0.50
5A-00038	30313	Cs-134	0.0027	0.035	0.0009	0.0864	0.00 - 0.50
5A-00038	30314	Cs-134	0.017 SK	0.015	0.0055	0.0864	1.00 - 5.00
5A-00038	30313	Te-125m	0.0297	0.0075	0.0025	0.0838	0.00 - 0.50
5A-00038	30313	Te-125m	0.0297 SK	0.0075	0.0025	0.0838	0.00 - 0.50
5A-00038	30314	Te-125m	0.0271 SK	0.011	0.0025	0.0838	1.00 - 5.00
5A-00038	30313	Eu-152	0.013 KR	0.027	0.01	0.0566	0.00 - 0.50
5A-00038	30313	Eu-152	0.013	0.027	0.01	0.0566	0.00 - 0.50
5A-00038	30314	Eu-152	0.0027 U	0.04	0.0076	0.0566	1.00 - 5.00
5A-00038	30313	Np-236	-0.0058	0.025	0.0076	0.047	0.00 - 0.50
5A-00038	30313	Np-236	-0.0058 U	0.025	0.0076	0.047	0.00 - 0.50
5A-00038	30314	Np-236	-0.0077 U	0.03	0.0091	0.047	1.00 - 5.00
5A-00038	30313	Am-241	-0.0013 U	0.0086	0.0019	0.0454	0.00 - 0.50
5A-00038	30313	Am-241	-0.0013	0.0086	0.0019	0.0454	0.00 - 0.50
5A-00038	30314	Am-241	0.0009 U	0.0023	0.0009	0.0454	1.00 - 5.00
5A-00038	30313	Pu-236	-0.0005 U	0.0049	0.0005	0.0448	0.00 - 0.50
5A-00038	30313	Pu-236	-0.0005	0.0049	0.0005	0.0448	0.00 - 0.50
5A-00038	30313	Cm-243/244	0.002	0.0018	0.0012	0.0443	0.00 - 0.50
5A-00038	30313	Cm-243/244	0.002	0.0018	0.0012	0.0443	0.00 - 0.50
5A-00038	30314	Cm-243/244	0.0009 U	0.0023	0.0009	0.0443	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00038	30313	Ho-166m	-0.0013	0.019	0.0009	0.0432	0.00 - 0.50
5A-00038	30313	Ho-166m	-0.0013 U	0.019	0.0009	0.0432	0.00 - 0.50
5A-00038	30314	Ho-166m	0.0061 U J	0.025	0.0086	0.0432	1.00 - 5.00
5A-00038	30313	Pu-238	0.0028	0.0019	0.0014	0.0415	0.00 - 0.50
5A-00038	30313	Pu-238	0.0028	0.0019	0.0014	0.0415	0.00 - 0.50
5A-00038	30314	Pu-238	0.0068	0.0038	0.002	0.0415	1.00 - 5.00
5A-00038	30313	Pu-239/240	0.0024	0.0041	0.0015	0.0404	0.00 - 0.50
5A-00038	30313	Pu-239/240	0.0024	0.0041	0.0015	0.0404	0.00 - 0.50
5A-00038	30314	Pu-239/240	0.001 U	0.0014	0.0007	0.0404	1.00 - 5.00
5A-00038	30313	Cm-245/246	0.0009	0.0024	0.0009	0.0401	0.00 - 0.50
5A-00038	30313	Cm-245/246	0.0009 U	0.0024	0.0009	0.0401	0.00 - 0.50
5A-00038	30314	Cm-245/246	0.0054	0.0049	0.0031	0.0401	1.00 - 5.00
5A-00038	30313	Na-22	-0.003	0.018	0.079	0.037	0.00 - 0.50
5A-00038	30313	Na-22	-0.003 U	0.018	0.079	0.037	0.00 - 0.50
5A-00038	30314	Na-22	0.0057 U	0.026	0.0078	0.037	1.00 - 5.00
5A-00038	30313	Pu-244	0.0007	0.0019	0.0007	0.0313	0.00 - 0.50
5A-00038	30313	Pu-244	0.0007 U	0.0019	0.0007	0.0313	0.00 - 0.50
5A-00038	30314	Pu-244	0.0005 U	0.0014	0.0005	0.0313	1.00 - 5.00
5A-00038	30313	Cm-247/248	0.0017 U	0.0024	0.0012	0.0306	0.00 - 0.50
5A-00038	30313	Cm-247/248	0.0017	0.0024	0.0012	0.0306	0.00 - 0.50
5A-00038	30314	Cm-247/248	-0.0011 U	0.011	0.0011	0.0306	1.00 - 5.00
5A-00038	30313	Co-60	-0.0059	0.015	0.0045	0.028	0.00 - 0.50
5A-00038	30313	Co-60	-0.0059 U	0.015	0.0045	0.028	0.00 - 0.50
5A-00038	30314	Co-60	0.005 U	0.019	0.0056	0.028	1.00 - 5.00
5A-00038	30313	Sn-126	0.0039	0.012	0.0035	0.0237	0.00 - 0.50
5A-00038	30313	Sn-126	0.0039 U	0.012	0.0035	0.0237	0.00 - 0.50
5A-00038	30314	Sn-126	-0.0005 U	0.017	0.0052	0.0237	1.00 - 5.00
5A-00038	30313	Nb-94	0.0026 U	0.01	0.0031	0.0214	0.00 - 0.50
5A-00038	30313	Nb-94	0.0026	0.01	0.0031	0.0214	0.00 - 0.50
5A-00038	30314	Nb-94	-0.007 U	0.012	0.0038	0.0214	1.00 - 5.00
5A-00039	30315	Cd-113m	1 U	36	11	3030	0.00 - 0.50
5A-00039	30316	Cd-113m	11 U	42	13	3030	1.00 - 5.00
5A-00039	30315	Tm-171	0.09 U	5.7	1.7	72.4	0.00 - 0.50
5A-00039	30316	Tm-171	-4.1 U J	6.4	2	72.4	1.00 - 5.00
5A-00039	30315	K-40	21	0.14	0.63	32.4	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00039	30316	K-40	19.5	0.12	0.96	32.4	1.00 - 5.00
5A-00039	30315	Th-228	1.23	0.015	0.061	3.98	0.00 - 0.50
5A-00039	30316	Th-228	1.74	0.026	0.088	3.98	1.00 - 5.00
5A-00039	30315	Th-234	1.28 R	0.14	0.076	3.19	0.00 - 0.50
5A-00039	30316	Th-234	1.58 R	0.15	0.11	3.19	1.00 - 5.00
5A-00039	30315	Th-232	1.13	0.007	0.057	3.1	0.00 - 0.50
5A-00039	30316	Th-232	1.35	0.009	0.068	3.1	1.00 - 5.00
5A-00039	30315	Pb-212	1.34	0.024	0.055	2.69	0.00 - 0.50
5A-00039	30316	Pb-212	1.68	0.026	0.094	2.69	1.00 - 5.00
5A-00039	30315	Th-230	0.913	0.002	0.048	2.2	0.00 - 0.50
5A-00039	30316	Th-230	0.998	0.009	0.053	2.2	1.00 - 5.00
5A-00039	30315	Bi-212	0.953	0.12	0.072	2.15	0.00 - 0.50
5A-00039	30316	Bi-212	1.23	0.15	0.11	2.15	1.00 - 5.00
5A-00039	30315	U-233/234	0.693	0.003	0.04	2.02	0.00 - 0.50
5A-00039	30316	U-233/234	0.853	0.012	0.049	2.02	1.00 - 5.00
5A-00039	30315	U-238	0.74	0.01	0.042	1.8	0.00 - 0.50
5A-00039	30316	U-238	0.797	0.012	0.047	1.8	1.00 - 5.00
5A-00039	30315	Pb-214	0.943	0.025	0.032	1.7	0.00 - 0.50
5A-00039	30316	Pb-214	0.977	0.028	0.051	1.7	1.00 - 5.00
5A-00039	30315	Bi-214	0.855	0.025	0.031	1.59	0.00 - 0.50
5A-00039	30316	Bi-214	0.881	0.027	0.047	1.59	1.00 - 5.00
5A-00039	30315	Tl-208	0.418	0.017	0.016	0.937	0.00 - 0.50
5A-00039	30316	Tl-208	0.507	0.019	0.028	0.937	1.00 - 5.00
5A-00039	30315	Pa-231	-0.17 U	0.55	0.17	0.936	0.00 - 0.50
5A-00039	30316	Pa-231	0.07 U	0.62	0.19	0.936	1.00 - 5.00
5A-00039	30315	Sr-90	0.009 U	0.065	0.019	0.485	0.00 - 0.50
5A-00039	30316	Sr-90	0.009 U	0.061	0.018	0.485	1.00 - 5.00
5A-00039	30315	Sb-125	0.132 JSK	0.03	0.011	0.354	0.00 - 0.50
5A-00039	30316	Sb-125	0.116 SK	0.046	0.011	0.354	1.00 - 5.00
5A-00039	30315	Eu-155	0.08 SK	0.029	0.012	0.231	0.00 - 0.50
5A-00039	30316	Eu-155	0.084 SK	0.032	0.013	0.231	1.00 - 5.00
5A-00039	30315	Ac-227	0.076	0.1	0.031	0.217	0.00 - 0.50
5A-00039	30316	Ac-227	0.022 U	0.15	0.047	0.217	1.00 - 5.00
5A-00039	30315	Cs-137	0.0202	0.012	0.0052	0.207	0.00 - 0.50
5A-00039	30316	Cs-137	0.0061 U	0.014	0.0041	0.207	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00039	30315	U-235/236	0.036	0.0098	0.0073	0.151	0.00 - 0.50
5A-00039	30316	U-235/236	0.0381	0.0045	0.0081	0.151	1.00 - 5.00
5A-00039	30315	Eu-154	0.009 U	0.097	0.022	0.15	0.00 - 0.50
5A-00039	30316	Eu-154	-0.03 U	0.11	0.032	0.15	1.00 - 5.00
5A-00039	30315	Th-229	0.0082	0.0087	0.0036	0.145	0.00 - 0.50
5A-00039	30316	Th-229	0.0067	0.003	0.0027	0.145	1.00 - 5.00
5A-00039	30315	Np-239	-0.002 U	0.081	0.024	0.139	0.00 - 0.50
5A-00039	30316	Np-239	0.006 U	0.09	0.027	0.139	1.00 - 5.00
5A-00039	30315	Cs-134	0.0037 U	0.048	0.0044	0.0864	0.00 - 0.50
5A-00039	30316	Cs-134	0.0123 JSK	0.014	0.0044	0.0864	1.00 - 5.00
5A-00039	30315	Te-125m	0.0305 JSK	0.0069	0.0026	0.0838	0.00 - 0.50
5A-00039	30316	Te-125m	0.0268 SK	0.011	0.0025	0.0838	1.00 - 5.00
5A-00039	30315	Eu-152	-0.0019 U	0.036	0.0033	0.0566	0.00 - 0.50
5A-00039	30316	Eu-152	0.002 U	0.039	0.012	0.0566	1.00 - 5.00
5A-00039	30315	Np-236	-0.0108 U	0.029	0.0088	0.047	0.00 - 0.50
5A-00039	30316	Np-236	0.0046 U	0.02	0.0069	0.047	1.00 - 5.00
5A-00039	30315	Am-241	0.0025 U	0.0099	0.0029	0.0454	0.00 - 0.50
5A-00039	30316	Am-241	0.0023 U	0.0031	0.0016	0.0454	1.00 - 5.00
5A-00039	30315	Pu-236	-0.0009 U	0.004	0.0007	0.0448	0.00 - 0.50
5A-00039	30315	Cm-243/244	-0.0024 U	0.011	0.0026	0.0443	0.00 - 0.50
5A-00039	30316	Cm-243/244	0 U	0.0031	0.0012	0.0443	1.00 - 5.00
5A-00039	30315	Ho-166m	0.0319 SK	0.023	0.0044	0.0432	0.00 - 0.50
5A-00039	30316	Ho-166m	0.0123 U	0.026	0.0095	0.0432	1.00 - 5.00
5A-00039	30315	Pu-238	0.0013	0.0012	0.0008	0.0415	0.00 - 0.50
5A-00039	30316	Pu-238	0.002	0.005	0.0015	0.0415	1.00 - 5.00
5A-00039	30315	Pu-239/240	0.0017	0.004	0.0013	0.0404	0.00 - 0.50
5A-00039	30316	Pu-239/240	0.0017	0.0023	0.0012	0.0404	1.00 - 5.00
5A-00039	30315	Cm-245/246	0.0032 J	0.0043	0.0023	0.0401	0.00 - 0.50
5A-00039	30316	Cm-245/246	0.0024 U	0.01	0.0026	0.0401	1.00 - 5.00
5A-00039	30315	Na-22	0.0038 U	0.022	0.0067	0.037	0.00 - 0.50
5A-00039	30316	Na-22	-0.0008 U	0.027	0.0081	0.037	1.00 - 5.00
5A-00039	30315	Pu-244	0.0013	0.0012	0.0008	0.0313	0.00 - 0.50
5A-00039	30316	Pu-244	0.0028	0.0049	0.0017	0.0313	1.00 - 5.00
5A-00039	30315	Cm-247/248	0 U	0.011	0.002	0.0306	0.00 - 0.50
5A-00039	30316	Cm-247/248	0.0033	0.0045	0.0024	0.0306	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00039	30315	Co-60	0.0013 U	0.018	0.0053	0.028	0.00 - 0.50
5A-00039	30316	Co-60	0.0065 U	0.023	0.0039	0.028	1.00 - 5.00
5A-00039	30315	Sn-126	-0.0002 U	0.016	0.0047	0.0237	0.00 - 0.50
5A-00039	30316	Sn-126	-0.0003 U	0.017	0.0052	0.0237	1.00 - 5.00
5A-00039	30315	Nb-94	0.007 SK	0.013	0.004	0.0214	0.00 - 0.50
5A-00039	30316	Nb-94	0.0052 U	0.015	0.0044	0.0214	1.00 - 5.00
5A-00040	30317	Cd-113m	-86.7 JU	107	40.7	3030	0.00 - 0.50
5A-00040	30318	Cd-113m	81.6 J	97.3	43.8	3030	1.00 - 5.00
5A-00040	30317	Tm-171	-1.07 U	11	3.69	72.4	0.00 - 0.50
5A-00040	30318	Tm-171	-11.1 JU	11.6	4.75	72.4	1.00 - 5.00
5A-00040	30317	K-40	21.7	0.119	1.22	32.4	0.00 - 0.50
5A-00040	30318	K-40	21.3	0.0939	1.23	32.4	1.00 - 5.00
5A-00040	30317	Th-228	1.41	0.137	0.149	3.98	0.00 - 0.50
5A-00040	30318	Th-228	1.41	0.0206	0.138	3.98	1.00 - 5.00
5A-00040	30317	Th-234	1.41	0.229	0.136	3.19	0.00 - 0.50
5A-00040	30318	Th-234	1.76	0.212	0.152	3.19	1.00 - 5.00
5A-00040	30317	Th-232	1.06	0.0533	0.113	3.1	0.00 - 0.50
5A-00040	30318	Th-232	1.25	0.0772	0.122	3.1	1.00 - 5.00
5A-00040	30317	Pb-212	1.34	0.0319	0.0779	2.69	0.00 - 0.50
5A-00040	30318	Pb-212	1.64	0.0272	0.0982	2.69	1.00 - 5.00
5A-00040	30317	Th-230	0.741	0.0535	0.089	2.2	0.00 - 0.50
5A-00040	30318	Th-230	0.941	0.0599	0.0998	2.2	1.00 - 5.00
5A-00040	30317	Bi-212	0.897	0.139	0.0889	2.15	0.00 - 0.50
5A-00040	30318	Bi-212	1.06	0.104	0.0808	2.15	1.00 - 5.00
5A-00040	30317	U-233/234	0.867	0.0476	0.0997	2.02	0.00 - 0.50
5A-00040	30318	U-233/234	1	0.0244	0.0865	2.02	1.00 - 5.00
5A-00040	30317	U-238	0.88	0.0476	0.101	1.8	0.00 - 0.50
5A-00040	30318	U-238	1.1	0.0071	0.093	1.8	1.00 - 5.00
5A-00040	30317	Pb-214	1.02	0.0294	0.0478	1.7	0.00 - 0.50
5A-00040	30318	Pb-214	1.02	0.0244	0.0479	1.7	1.00 - 5.00
5A-00040	30317	Bi-214	0.905	0.0293	0.0436	1.59	0.00 - 0.50
5A-00040	30318	Bi-214	0.917	0.0211	0.0415	1.59	1.00 - 5.00
5A-00040	30317	Tl-208	0.449	0.0194	0.0265	0.937	0.00 - 0.50
5A-00040	30318	Tl-208	0.506	0.0133	0.0278	0.937	1.00 - 5.00
5A-00040	30317	Pa-231	-0.292 U	0.683	0.224	0.936	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00040	30318	Pa-231	-0.294 U	0.577	0.198	0.936	1.00 - 5.00
5A-00040	30317	Sr-90	0.0761 U K	0.137	0.0434	0.485	0.00 - 0.50
5A-00040	30318	Sr-90	0.129 U K	0.285	0.0871	0.485	1.00 - 5.00
5A-00040	30317	Sb-125	0.0264 SK	0.0459	0.0149	0.354	0.00 - 0.50
5A-00040	30318	Sb-125	0.0067 U	0.0347	0.0102	0.354	1.00 - 5.00
5A-00040	30317	Eu-155	0.0901 SK	0.0544	0.0233	0.231	0.00 - 0.50
5A-00040	30318	Eu-155	0.0898 SK	0.0531	0.0209	0.231	1.00 - 5.00
5A-00040	30317	Ac-227	-0.0135 U	0.164	0.0486	0.217	0.00 - 0.50
5A-00040	30318	Ac-227	0.0048 U	0.142	0.0495	0.217	1.00 - 5.00
5A-00040	30317	Cs-137	0.0139	0.0171	0.0051	0.207	0.00 - 0.50
5A-00040	30318	Cs-137	0.0049 U	0.0123	0.0043	0.207	1.00 - 5.00
5A-00040	30317	U-235/236	0.048	0.0217	0.0199	0.151	0.00 - 0.50
5A-00040	30318	U-235/236	0.0877	0.0239	0.0185	0.151	1.00 - 5.00
5A-00040	30317	Eu-154	-0.049 U	0.0989	0.0329	0.15	0.00 - 0.50
5A-00040	30318	Eu-154	-0.0189 U	0.0717	0.0261	0.15	1.00 - 5.00
5A-00040	30317	Th-229	0.0364	0.0676	0.022	0.145	0.00 - 0.50
5A-00040	30318	Th-229	0 U	0.0847	0.0204	0.145	1.00 - 5.00
5A-00040	30317	Np-239	-0.0334 U	0.108	0.0331	0.139	0.00 - 0.50
5A-00040	30318	Np-239	0.0244 U	0.0955	0.0294	0.139	1.00 - 5.00
5A-00040	30317	Cs-134	-0.0001 U	0.016	0.0054	0.0864	0.00 - 0.50
5A-00040	30318	Cs-134	-0.0008 U	0.0117	0.004	0.0864	1.00 - 5.00
5A-00040	30317	Eu-152	0.0171 U	0.0427	0.0149	0.0566	0.00 - 0.50
5A-00040	30318	Eu-152	0.0115 U	0.0348	0.0147	0.0566	1.00 - 5.00
5A-00040	30317	Np-236	0.0038 U	0.0292	0.009	0.047	0.00 - 0.50
5A-00040	30318	Np-236	-0.0092 U	0.0276	0.0088	0.047	1.00 - 5.00
5A-00040	30317	Am-241	0.0088	0.008	0.0051	0.0454	0.00 - 0.50
5A-00040	30318	Am-241	0.0013 U	0.0177	0.0039	0.0454	1.00 - 5.00
5A-00040	30317	Pu-236	-0.0017 U	0.0146	0.0028	0.0448	0.00 - 0.50
5A-00040	30318	Pu-236	-0.0016 U	0.0141	0.0027	0.0448	1.00 - 5.00
5A-00040	30317	Cm-243/244	0.015	0.0081	0.0068	0.0443	0.00 - 0.50
5A-00040	30318	Cm-243/244	-0.0017 U	0.0146	0.0028	0.0443	1.00 - 5.00
5A-00040	30317	Ho-166m	0.001 U	0.0268	0.0079	0.0432	0.00 - 0.50
5A-00040	30318	Ho-166m	-0.0025 U	0.0188	0.0057	0.0432	1.00 - 5.00
5A-00040	30317	Pu-238	-0.0044 U	0.0185	0.0033	0.0415	0.00 - 0.50
5A-00040	30318	Pu-238	-0.0029 U	0.0156	0.0028	0.0415	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00040	30317	Pu-239/240	-0.0003 U	0.0184	0.0038	0.0404	0.00 - 0.50
5A-00040	30318	Pu-239/240	0	0.0054	0.002	0.0404	1.00 - 5.00
5A-00040	30317	Na-22	-0.0071 U	0.0229	0.0071	0.037	0.00 - 0.50
5A-00040	30318	Na-22	0.002 U	0.0162	0.0047	0.037	1.00 - 5.00
5A-00040	30317	Pu-244	0.0082	0.0055	0.0041	0.0313	0.00 - 0.50
5A-00040	30318	Pu-244	0.0006 U	0.0126	0.0024	0.0313	1.00 - 5.00
5A-00040	30317	Co-60	0.0084 U	0.0199	0.006	0.028	0.00 - 0.50
5A-00040	30318	Co-60	-0.0014 U	0.0129	0.0038	0.028	1.00 - 5.00
5A-00040	30317	Sn-126	-0.0067 U	0.0167	0.0053	0.0237	0.00 - 0.50
5A-00040	30318	Sn-126	-0.0033 U	0.0124	0.0039	0.0237	1.00 - 5.00
5A-00040	30317	Nb-94	-0.0044 U	0.0148	0.0045	0.0214	0.00 - 0.50
5A-00040	30318	Nb-94	0.0067 SK	0.0114	0.0037	0.0214	1.00 - 5.00
5A-00041	30319	Cd-113m	10.4 U	32	9.6	3030	0.00 - 0.50
5A-00041	30320	Cd-113m	4.1 U	32	9.6	3030	1.00 - 5.00
5A-00041	30319	Tm-171	-0.05 U	4.8	1.5	72.4	0.00 - 0.50
5A-00041	30320	Tm-171	-0.1 U	5.4	1.6	72.4	1.00 - 5.00
5A-00041	30319	K-40	21.5	0.13	0.71	32.4	0.00 - 0.50
5A-00041	30320	K-40	21.4	0.1	1.1	32.4	1.00 - 5.00
5A-00041	30319	Th-228	1.23	0.016	0.061	3.98	0.00 - 0.50
5A-00041	30320	Th-228	1.31	0.007	0.065	3.98	1.00 - 5.00
5A-00041	30319	Th-234	1.39 R	0.13	0.08	3.19	0.00 - 0.50
5A-00041	30320	Th-234	1.54 R	0.14	0.11	3.19	1.00 - 5.00
5A-00041	30319	Th-232	1.13	0.007	0.057	3.1	0.00 - 0.50
5A-00041	30320	Th-232	1.35	0.009	0.067	3.1	1.00 - 5.00
5A-00041	30319	Pb-212	1.48	0.019	0.078	2.69	0.00 - 0.50
5A-00041	30320	Pb-212	1.54	0.02	0.1	2.69	1.00 - 5.00
5A-00041	30319	Th-230	0.876	0.008	0.046	2.2	0.00 - 0.50
5A-00041	30320	Th-230	1.04	0.007	0.053	2.2	1.00 - 5.00
5A-00041	30319	Bi-212	0.945	0.1	0.066	2.15	0.00 - 0.50
5A-00041	30320	Bi-212	0.988	0.12	0.087	2.15	1.00 - 5.00
5A-00041	30319	U-233/234	0.783	0.007	0.043	2.02	0.00 - 0.50
5A-00041	30320	U-233/234	0.876 J	0.011	0.052	2.02	1.00 - 5.00
5A-00041	30319	U-238	0.747	0.003	0.042	1.8	0.00 - 0.50
5A-00041	30320	U-238	0.8 J	0.004	0.048	1.8	1.00 - 5.00
5A-00041	30319	Pb-214	1.01	0.02	0.038	1.7	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00041	30320	Pb-214	0.892	0.022	0.049	1.7	1.00 - 5.00
5A-00041	30319	Bi-214	0.891	0.02	0.033	1.59	0.00 - 0.50
5A-00041	30320	Bi-214	0.8	0.023	0.044	1.59	1.00 - 5.00
5A-00041	30319	Tl-208	0.445	0.012	0.017	0.937	0.00 - 0.50
5A-00041	30320	Tl-208	0.466	0.015	0.026	0.937	1.00 - 5.00
5A-00041	30319	Pa-231	-0.002 U	0.38	0.11	0.936	0.00 - 0.50
5A-00041	30320	Pa-231	0.11 U	0.46	0.11	0.936	1.00 - 5.00
5A-00041	30319	Sr-90	0.04	0.063	0.019	0.485	0.00 - 0.50
5A-00041	30320	Sr-90	0.0062 U	0.028	0.0081	0.485	1.00 - 5.00
5A-00041	30319	Sb-125	0.128 JSK	0.031	0.0094	0.354	0.00 - 0.50
5A-00041	30320	Sb-125	0.102 SK	0.035	0.0086	0.354	1.00 - 5.00
5A-00041	30319	Eu-155	0.068 SK	0.03	0.013	0.231	0.00 - 0.50
5A-00041	30320	Eu-155	0.073 SK	0.029	0.012	0.231	1.00 - 5.00
5A-00041	30319	Ac-227	0.036 U	0.11	0.033	0.217	0.00 - 0.50
5A-00041	30320	Ac-227	0.084 J	0.12	0.017	0.217	1.00 - 5.00
5A-00041	30319	Cs-137	0.0614	0.01	0.0057	0.207	0.00 - 0.50
5A-00041	30320	Cs-137	0.0033 U	0.014	0.0042	0.207	1.00 - 5.00
5A-00041	30319	U-235/236	0.0528	0.0093	0.0086	0.151	0.00 - 0.50
5A-00041	30320	U-235/236	0.0506 J	0.0051	0.01	0.151	1.00 - 5.00
5A-00041	30319	Eu-154	0.007 U	0.065	0.0066	0.15	0.00 - 0.50
5A-00041	30320	Eu-154	0.0011 U J	0.084	0.0044	0.15	1.00 - 5.00
5A-00041	30319	Th-229	0.0103	0.0088	0.0037	0.145	0.00 - 0.50
5A-00041	30320	Th-229	0.0104	0.0088	0.0037	0.145	1.00 - 5.00
5A-00041	30319	Np-239	-0.013 U	0.073	0.022	0.139	0.00 - 0.50
5A-00041	30320	Np-239	-0.01 U	0.079	0.024	0.139	1.00 - 5.00
5A-00041	30319	Cs-134	0.0015 U	0.035	0.0011	0.0864	0.00 - 0.50
5A-00041	30320	Cs-134	0.0173 U J	0.045	0.0064	0.0864	1.00 - 5.00
5A-00041	30319	Te-125m	0.0295 JSK	0.0071	0.0022	0.0838	0.00 - 0.50
5A-00041	30320	Te-125m	0.0235 SK	0.0081	0.002	0.0838	1.00 - 5.00
5A-00041	30319	Eu-152	0.0147 U	0.03	0.0064	0.0566	0.00 - 0.50
5A-00041	30320	Eu-152	-0.0179 U	0.03	0.0091	0.0566	1.00 - 5.00
5A-00041	30319	Np-236	-0.0102 U	0.026	0.0079	0.047	0.00 - 0.50
5A-00041	30320	Np-236	-0.0038 U	0.021	0.0065	0.047	1.00 - 5.00
5A-00041	30319	Am-241	-0.0031 U	0.013	0.0029	0.0454	0.00 - 0.50
5A-00041	30320	Am-241	0 U	0.013	0.0029	0.0454	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00041	30319	Pu-236	0.0005 U	0.0012	0.0005	0.0448	0.00 - 0.50
5A-00041	30320	Pu-236	-0.0007 U	0.0077	0.0013	0.0448	1.00 - 5.00
5A-00041	30319	Cm-243/244	-0.001 U	0.013	0.0032	0.0443	0.00 - 0.50
5A-00041	30320	Cm-243/244	0.0029 U	0.014	0.0036	0.0443	1.00 - 5.00
5A-00041	30319	Ho-166m	0.0099 SK	0.018	0.0053	0.0432	0.00 - 0.50
5A-00041	30320	Ho-166m	0.027 SK	0.021	0.0038	0.0432	1.00 - 5.00
5A-00041	30319	Pu-238	0.0031	0.0012	0.0012	0.0415	0.00 - 0.50
5A-00041	30320	Pu-238	0.0006 U	0.0058	0.0013	0.0415	1.00 - 5.00
5A-00041	30319	Pu-239/240	0.0027	0.0012	0.0011	0.0404	0.00 - 0.50
5A-00041	30320	Pu-239/240	0.0011 U	0.0048	0.0012	0.0404	1.00 - 5.00
5A-00041	30319	Cm-245/246	0 U J	0.011	0.0021	0.0401	0.00 - 0.50
5A-00041	30320	Cm-245/246	0.0014 U	0.0019	0.001	0.0401	1.00 - 5.00
5A-00041	30319	Na-22	0.0015 U	0.017	0.005	0.037	0.00 - 0.50
5A-00041	30320	Na-22	0.0054 U	0.011	0.0036	0.037	1.00 - 5.00
5A-00041	30319	Pu-244	0.0013	0.0012	0.0008	0.0313	0.00 - 0.50
5A-00041	30320	Pu-244	0.0024	0.0022	0.0014	0.0313	1.00 - 5.00
5A-00041	30319	Cm-247/248	0 U	0.0043	0.0013	0.0306	0.00 - 0.50
5A-00041	30320	Cm-247/248	0.0014 U	0.0019	0.001	0.0306	1.00 - 5.00
5A-00041	30319	Co-60	-0.0001 U	0.014	0.0001	0.028	0.00 - 0.50
5A-00041	30320	Co-60	-0.0037 U	0.016	0.0048	0.028	1.00 - 5.00
5A-00041	30319	Sn-126	-0.0035 U	0.011	0.0033	0.0237	0.00 - 0.50
5A-00041	30320	Sn-126	0.0005 U	0.013	0.004	0.0237	1.00 - 5.00
5A-00041	30319	Nb-94	-0.0024 U	0.0096	0.0029	0.0214	0.00 - 0.50
5A-00041	30320	Nb-94	0.0063 SK	0.011	0.0035	0.0214	1.00 - 5.00
5A-00042	30321	Cd-113m	-13.2 U J	95.1	30.5	3030	0.00 - 0.50
5A-00042	30322	Cd-113m	8.6 U	33	9.9	3030	1.00 - 4.50
5A-00042	30321	Tm-171	-4.91 U	9.37	3.39	72.4	0.00 - 0.50
5A-00042	30322	Tm-171	-5.3 U J	4.1	1.3	72.4	1.00 - 4.50
5A-00042	30321	K-40	22.9	0.0947	1.28	32.4	0.00 - 0.50
5A-00042	30322	K-40	20	0.1	1	32.4	1.00 - 4.50
5A-00042	30321	Th-228	2.06	0.0708	0.173	3.98	0.00 - 0.50
5A-00042	30322	Th-228	1.4	0.017	0.07	3.98	1.00 - 4.50
5A-00042	30321	Th-234	2.23	0.195	0.163	3.19	0.00 - 0.50
5A-00042	30322	Th-234	0.38 R	0.13	0.047	3.19	1.00 - 4.50
5A-00042	30321	Th-232	1.56	0.0566	0.133	3.1	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00042	30322	Th-232	1.29	0.003	0.066	3.1	1.00 - 4.50
5A-00042	30321	Pb-212	2.2	0.0277	0.13	2.69	0.00 - 0.50
5A-00042	30322	Pb-212	1.53	0.019	0.0997	2.69	1.00 - 4.50
5A-00042	30321	Th-230	1.17	0.0658	0.109	2.2	0.00 - 0.50
5A-00042	30322	Th-230	1.11	0.003	0.058	2.2	1.00 - 4.50
5A-00042	30321	Bi-212	1.37	0.112	0.0877	2.15	0.00 - 0.50
5A-00042	30322	Bi-212	1.08	0.11	0.086	2.15	1.00 - 4.50
5A-00042	30321	U-233/234	1.49	0.0365	0.144	2.02	0.00 - 0.50
5A-00042	30322	U-233/234	0.905	0.003	0.048	2.02	1.00 - 4.50
5A-00042	30321	U-238	1.31	0.0365	0.13	1.8	0.00 - 0.50
5A-00042	30322	U-238	0.939	0.003	0.05	1.8	1.00 - 4.50
5A-00042	30321	Pb-214	1.39	0.0243	0.0638	1.7	0.00 - 0.50
5A-00042	30322	Pb-214	0.931	0.023	0.05	1.7	1.00 - 4.50
5A-00042	30321	Bi-214	1.24	0.0216	0.0534	1.59	0.00 - 0.50
5A-00042	30322	Bi-214	0.843	0.022	0.046	1.59	1.00 - 4.50
5A-00042	30321	Tl-208	0.686	0.0141	0.0351	0.937	0.00 - 0.50
5A-00042	30322	Tl-208	0.465 J	0.014	0.026	0.937	1.00 - 4.50
5A-00042	30321	Pa-231	-0.0814 U	0.576	0.185	0.936	0.00 - 0.50
5A-00042	30322	Pa-231	0.15 U	0.46	0.14	0.936	1.00 - 4.50
5A-00042	30321	Sr-90	-0.0219 U K	0.201	0.0534	0.485	0.00 - 0.50
5A-00042	30322	Sr-90	0.046	0.045	0.015	0.485	1.00 - 4.50
5A-00042	30321	Sb-125	0.0229 JSK	0.0367	0.0121	0.354	0.00 - 0.50
5A-00042	30322	Sb-125	0.102 SK	0.031	0.0078	0.354	1.00 - 4.50
5A-00042	30321	Eu-155	0.144 SK	0.0503	0.0246	0.231	0.00 - 0.50
5A-00042	30322	Eu-155	0.083 SK	0.028	0.012	0.231	1.00 - 4.50
5A-00042	30321	Ac-227	-0.0792 U	0.138	0.0504	0.217	0.00 - 0.50
5A-00042	30322	Ac-227	0.406 RZ	0.11	0.026	0.217	1.00 - 4.50
5A-00042	30321	Cs-137	0.24 Y	0.0124	0.014	0.207	0.00 - 0.50
5A-00042	30322	Cs-137	0.0435	0.0098	0.0053	0.207	1.00 - 4.50
5A-00042	30321	U-235/236	0.085	0.0192	0.0253	0.151	0.00 - 0.50
5A-00042	30322	U-235/236	0.057	0.0089	0.0088	0.151	1.00 - 4.50
5A-00042	30321	Eu-154	0.0164 U	0.0714	0.0246	0.15	0.00 - 0.50
5A-00042	30322	Eu-154	-0.034 U	0.071	0.022	0.15	1.00 - 4.50
5A-00042	30321	Th-229	0.0245 U	0.066	0.0194	0.145	0.00 - 0.50
5A-00042	30322	Th-229	0.0088	0.01	0.0038	0.145	1.00 - 4.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00042	30321	Np-239	-0.0213 U	0.0945	0.0283	0.139	0.00 - 0.50
5A-00042	30322	Np-239	0.01 U	0.072	0.022	0.139	1.00 - 4.50
5A-00042	30321	Cs-134	0.0046 U	0.0123	0.0044	0.0864	0.00 - 0.50
5A-00042	30322	Cs-134	0.0198 SK	0.033	0.0039	0.0864	1.00 - 4.50
5A-00042	30322	Te-125m	0.0235 SK	0.0072	0.0018	0.0838	1.00 - 4.50
5A-00042	30321	Eu-152	-0.0302 U J	0.0343	0.013	0.0566	0.00 - 0.50
5A-00042	30322	Eu-152	-0.0144 U	0.026	0.008	0.0566	1.00 - 4.50
5A-00042	30321	Np-236	-0.0124 U	0.0261	0.0086	0.047	0.00 - 0.50
5A-00042	30322	Np-236	0.0008 U	0.023	0.0068	0.047	1.00 - 4.50
5A-00042	30321	Am-241	0.0133	0.0138	0.0054	0.0454	0.00 - 0.50
5A-00042	30322	Am-241	0 U	0.0084	0.0018	0.0454	1.00 - 4.50
5A-00042	30321	Pu-236	-0.0037 U	0.0173	0.0032	0.0448	0.00 - 0.50
5A-00042	30321	Cm-243/244	0.0121	0.0252	0.0077	0.0443	0.00 - 0.50
5A-00042	30322	Cm-243/244	0.0018 U	0.0025	0.0013	0.0443	1.00 - 4.50
5A-00042	30321	Ho-166m	-0.0084 U	0.0185	0.0059	0.0432	0.00 - 0.50
5A-00042	30322	Ho-166m	0.0061 U J	0.019	0.0036	0.0432	1.00 - 4.50
5A-00042	30321	Pu-238	0.0065	0.0044	0.0033	0.0415	0.00 - 0.50
5A-00042	30322	Pu-238	0.0018 U	0.0069	0.0019	0.0415	1.00 - 4.50
5A-00042	30321	Pu-239/240	0.0065	0.0044	0.0033	0.0404	0.00 - 0.50
5A-00042	30322	Pu-239/240	0.002	0.0049	0.0015	0.0404	1.00 - 4.50
5A-00042	30322	Cm-245/246	0.0012 U	0.0032	0.0012	0.0401	1.00 - 4.50
5A-00042	30321	Na-22	-0.0001 U	0.0164	0.0055	0.037	0.00 - 0.50
5A-00042	30322	Na-22	0.0049 U	0.017	0.0051	0.037	1.00 - 4.50
5A-00042	30321	Pu-244	0 U	0.0119	0.0023	0.0313	0.00 - 0.50
5A-00042	30322	Pu-244	0.0017	0.0022	0.0012	0.0313	1.00 - 4.50
5A-00042	30322	Cm-247/248	0.0012 U	0.0031	0.0012	0.0306	1.00 - 4.50
5A-00042	30321	Co-60	-0.0026 U	0.0128	0.0038	0.028	0.00 - 0.50
5A-00042	30322	Co-60	0.0017 U	0.013	0.004	0.028	1.00 - 4.50
5A-00042	30321	Sn-126	0.0005 U	0.0121	0.0035	0.0237	0.00 - 0.50
5A-00042	30322	Sn-126	0.0036 U	0.011	0.0034	0.0237	1.00 - 4.50
5A-00042	30321	Nb-94	0.006 JSK	0.0111	0.0035	0.0214	0.00 - 0.50
5A-00042	30322	Nb-94	0.0055 SK	0.01	0.003	0.0214	1.00 - 4.50
5A-00043	30323	Cd-113m	-11.6 U J	103	32.2	3030	0.00 - 0.50
5A-00043	30324	Cd-113m	-13 U	46	14	3030	1.00 - 5.00
5A-00043	30323	Tm-171	2.89 U	6.69	2.24	72.4	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00043	30324	Tm-171	6.6 J	8.3	3.3	72.4	1.00 - 5.00
5A-00043	30323	K-40	21.8	0.139	1.18	32.4	0.00 - 0.50
5A-00043	30324	K-40	19.9	0.13	0.98	32.4	1.00 - 5.00
5A-00043	30323	Th-228	0.799	0.0589	0.0931	3.98	0.00 - 0.50
5A-00043	30324	Th-228	1.59	0.011	0.078	3.98	1.00 - 5.00
5A-00043	30323	Th-234	1.82	0.188	0.128	3.19	0.00 - 0.50
5A-00043	30324	Th-234	1.7 R	0.22	0.11	3.19	1.00 - 5.00
5A-00043	30323	Th-232	0.794	0.0471	0.0854	3.1	0.00 - 0.50
5A-00043	30324	Th-232	1.42	0.009	0.071	3.1	1.00 - 5.00
5A-00043	30323	Pb-212	2.01	0.0316	0.111	2.69	0.00 - 0.50
5A-00043	30324	Pb-212	1.65	0.027	0.081	2.69	1.00 - 5.00
5A-00043	30323	Th-230	0.597	0.0473	0.0715	2.2	0.00 - 0.50
5A-00043	30324	Th-230	1.19	0.01	0.061	2.2	1.00 - 5.00
5A-00043	30323	Bi-212	1.34	0.15	0.0993	2.15	0.00 - 0.50
5A-00043	30324	Bi-212	1.12	0.13	0.087	2.15	1.00 - 5.00
5A-00043	30323	U-233/234	0.732	0.0483	0.083	2.02	0.00 - 0.50
5A-00043	30324	U-233/234	0.958	0.012	0.054	2.02	1.00 - 5.00
5A-00043	30323	U-238	0.645	0.0145	0.0754	1.8	0.00 - 0.50
5A-00043	30324	U-238	0.962	0.01	0.054	1.8	1.00 - 5.00
5A-00043	30323	Pb-214	1.21	0.0279	0.0545	1.7	0.00 - 0.50
5A-00043	30324	Pb-214	1.07	0.028	0.062	1.7	1.00 - 5.00
5A-00043	30323	Bi-214	1.1	0.0284	0.0509	1.59	0.00 - 0.50
5A-00043	30324	Bi-214	0.993	0.027	0.052	1.59	1.00 - 5.00
5A-00043	30323	Tl-208	0.667	0.0187	0.0367	0.937	0.00 - 0.50
5A-00043	30324	Tl-208	0.536 J	0.017	0.029	0.937	1.00 - 5.00
5A-00043	30323	Pa-231	-0.17 U	0.649	0.208	0.936	0.00 - 0.50
5A-00043	30324	Pa-231	0.15 U	0.41	0.13	0.936	1.00 - 5.00
5A-00043	30323	Sr-90	-0.0378 U K	0.108	0.0251	0.485	0.00 - 0.50
5A-00043	30324	Sr-90	0.032	0.041	0.013	0.485	1.00 - 5.00
5A-00043	30323	Sb-125	-0.0015 U	0.0444	0.0132	0.354	0.00 - 0.50
5A-00043	30324	Sb-125	0.168 SK	0.046	0.014	0.354	1.00 - 5.00
5A-00043	30323	Eu-155	0.106 SK	0.0468	0.0218	0.231	0.00 - 0.50
5A-00043	30324	Eu-155	0.108 SK	0.045	0.019	0.231	1.00 - 5.00
5A-00043	30323	Ac-227	-0.0539 U	0.155	0.05	0.217	0.00 - 0.50
5A-00043	30324	Ac-227	0.031 U	0.15	0.046	0.217	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00043	30323	Cs-137	0.0562	0.0156	0.0086	0.207	0.00 - 0.50
5A-00043	30324	Cs-137	0.0568	0.014	0.0076	0.207	1.00 - 5.00
5A-00043	30323	U-235/236	0.0282	0.042	0.0156	0.151	0.00 - 0.50
5A-00043	30324	U-235/236	0.0496	0.0045	0.0093	0.151	1.00 - 5.00
5A-00043	30323	Eu-154	0.019 U	0.102	0.0348	0.15	0.00 - 0.50
5A-00043	30324	Eu-154	-0.04 U	0.1	0.031	0.15	1.00 - 5.00
5A-00043	30323	Th-229	0.0193 U	0.0844	0.0232	0.145	0.00 - 0.50
5A-00043	30324	Th-229	0.0089	0.003	0.0032	0.145	1.00 - 5.00
5A-00043	30323	Np-239	-0.0609 U	0.0995	0.0342	0.139	0.00 - 0.50
5A-00043	30324	Np-239	0.002 U	0.088	0.026	0.139	1.00 - 5.00
5A-00043	30323	Cs-134	0.0068 U	0.0167	0.0059	0.0864	0.00 - 0.50
5A-00043	30324	Cs-134	0.0145 U	0.064	0.0048	0.0864	1.00 - 5.00
5A-00043	30324	Te-125m	0.0388 SK	0.011	0.0033	0.0838	1.00 - 5.00
5A-00043	30323	Eu-152	-0.0279 U J	0.0402	0.0137	0.0566	0.00 - 0.50
5A-00043	30324	Eu-152	0.013 U	0.044	0.011	0.0566	1.00 - 5.00
5A-00043	30323	Np-236	-0.0111 U	0.0245	0.0078	0.047	0.00 - 0.50
5A-00043	30324	Np-236	-0.001 U	0.037	0.011	0.047	1.00 - 5.00
5A-00043	30323	Am-241	0.0098	0.0038	0.0038	0.0454	0.00 - 0.50
5A-00043	30324	Am-241	-0.0012 U	0.013	0.0026	0.0454	1.00 - 5.00
5A-00043	30323	Pu-236	0.0054 U	0.0166	0.0047	0.0448	0.00 - 0.50
5A-00043	30323	Cm-243/244	0.0043	0.0039	0.0025	0.0443	0.00 - 0.50
5A-00043	30324	Cm-243/244	0.0012 U	0.014	0.0035	0.0443	1.00 - 5.00
5A-00043	30323	Ho-166m	0.0032 U	0.0262	0.0076	0.0432	0.00 - 0.50
5A-00043	30324	Ho-166m	0.0085 U J	0.026	0.0075	0.0432	1.00 - 5.00
5A-00043	30323	Pu-238	0 U	0.0114	0.0022	0.0415	0.00 - 0.50
5A-00043	30324	Pu-238	0.003	0.0053	0.0019	0.0415	1.00 - 5.00
5A-00043	30323	Pu-239/240	0.0062	0.0114	0.0038	0.0404	0.00 - 0.50
5A-00043	30324	Pu-239/240	0.003	0.0053	0.0019	0.0404	1.00 - 5.00
5A-00043	30324	Cm-245/246	0.0011 U	0.008	0.0019	0.0401	1.00 - 5.00
5A-00043	30323	Na-22	0.0062 U	0.0234	0.0068	0.037	0.00 - 0.50
5A-00043	30324	Na-22	-0.0113 U	0.023	0.0071	0.037	1.00 - 5.00
5A-00043	30323	Pu-244	0	0.0042	0.0016	0.0313	0.00 - 0.50
5A-00043	30324	Pu-244	0.0026	0.0024	0.0015	0.0313	1.00 - 5.00
5A-00043	30324	Cm-247/248	0.0011 U	0.0029	0.0011	0.0306	1.00 - 5.00
5A-00043	30323	Co-60	-0.0057 U	0.0183	0.0056	0.028	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00043	30324	Co-60	0 U	0.017	0	0.028	1.00 - 5.00
5A-00043	30323	Sn-126	0.0106 J	0.0174	0.0055	0.0237	0.00 - 0.50
5A-00043	30324	Sn-126	-0.004 U	0.02	0.21	0.0237	1.00 - 5.00
5A-00043	30323	Nb-94	0.0076 JSK	0.0156	0.0048	0.0214	0.00 - 0.50
5A-00043	30324	Nb-94	0.0047 U	0.015	0.0044	0.0214	1.00 - 5.00
5A-00044	30325	Cd-113m	0.139 U	105	33.2	3030	0.00 - 0.50
5A-00044	30326	Cd-113m	-7.15 U	76.2	23.6	3030	1.00 - 4.00
5A-00044	30325	Tm-171	-4.78 U	12.3	4.29	72.4	0.00 - 0.50
5A-00044	30326	Tm-171	1.47 U	4.56	1.59	72.4	1.00 - 4.00
5A-00044	30325	K-40	24	0.0929	1.39	32.4	0.00 - 0.50
5A-00044	30326	K-40	21	0.0851	1.12	32.4	1.00 - 4.00
5A-00044	30325	Th-228	1.36	0.136	0.133	3.98	0.00 - 0.50
5A-00044	30326	Th-228	1.42	0.113	0.145	3.98	1.00 - 4.00
5A-00044	30325	Th-234	1.53	0.228	0.138	3.19	0.00 - 0.50
5A-00044	30326	Th-234	1.22	0.133	0.0927	3.19	1.00 - 4.00
5A-00044	30325	Th-232	1.34	0.0152	0.121	3.1	0.00 - 0.50
5A-00044	30326	Th-232	1.19	0.0192	0.122	3.1	1.00 - 4.00
5A-00044	30325	Pb-212	1.61	0.0287	0.0969	2.69	0.00 - 0.50
5A-00044	30326	Pb-212	1.37	0.0204	0.0745	2.69	1.00 - 4.00
5A-00044	30325	Th-230	0.921	0.0522	0.0931	2.2	0.00 - 0.50
5A-00044	30326	Th-230	0.89	0.0662	0.1	2.2	1.00 - 4.00
5A-00044	30325	Bi-212	1.06	0.113	0.0748	2.15	0.00 - 0.50
5A-00044	30326	Bi-212	0.842	0.0976	0.0643	2.15	1.00 - 4.00
5A-00044	30325	U-233/234	1.01	0.0739	0.121	2.02	0.00 - 0.50
5A-00044	30326	U-233/234	0.899	0.0565	0.0982	2.02	1.00 - 4.00
5A-00044	30325	U-238	1.12	0.052	0.13	1.8	0.00 - 0.50
5A-00044	30326	U-238	0.835	0.0359	0.0924	1.8	1.00 - 4.00
5A-00044	30325	Pb-214	1.19	0.026	0.0553	1.7	0.00 - 0.50
5A-00044	30326	Pb-214	1.05	0.0205	0.0467	1.7	1.00 - 4.00
5A-00044	30325	Bi-214	1.07	0.0227	0.0477	1.59	0.00 - 0.50
5A-00044	30326	Bi-214	0.991	0.0198	0.0453	1.59	1.00 - 4.00
5A-00044	30325	Tl-208	0.507	0.0143	0.0277	0.937	0.00 - 0.50
5A-00044	30326	Tl-208	0.431	0.012	0.0241	0.937	1.00 - 4.00
5A-00044	30325	Pa-231	0.261 U	0.632	0.216	0.936	0.00 - 0.50
5A-00044	30326	Pa-231	0.282 J	0.477	0.176	0.936	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00044	30325	Sr-90	-0.0509 U K	0.242	0.0602	0.485	0.00 - 0.50
5A-00044	30326	Sr-90	-0.0906 U K	0.252	0.0586	0.485	1.00 - 4.00
5A-00044	30325	Sb-125	0.031 SK	0.0386	0.0132	0.354	0.00 - 0.50
5A-00044	30326	Sb-125	0.0094 U	0.0302	0.0091	0.354	1.00 - 4.00
5A-00044	30325	Eu-155	0.0699 SK	0.055	0.0217	0.231	0.00 - 0.50
5A-00044	30326	Eu-155	0.0586 SK	0.035	0.0166	0.231	1.00 - 4.00
5A-00044	30325	Ac-227	0.0297 U	0.155	0.0477	0.217	0.00 - 0.50
5A-00044	30326	Ac-227	-0.0204 U	0.114	0.0356	0.217	1.00 - 4.00
5A-00044	30325	Cs-137	0.0926	0.0132	0.0078	0.207	0.00 - 0.50
5A-00044	30326	Cs-137	-0.0039 U	0.0128	0.0039	0.207	1.00 - 4.00
5A-00044	30325	U-235/236	0.0634	0.0643	0.0281	0.151	0.00 - 0.50
5A-00044	30326	U-235/236	0.0526	0.0549	0.0224	0.151	1.00 - 4.00
5A-00044	30325	Eu-154	-0.0193 U	0.0791	0.0247	0.15	0.00 - 0.50
5A-00044	30326	Eu-154	-0.0007 U	0.0721	0.0217	0.15	1.00 - 4.00
5A-00044	30325	Th-229	0.0563	0.0523	0.0213	0.145	0.00 - 0.50
5A-00044	30326	Th-229	0.0714	0.0663	0.0271	0.145	1.00 - 4.00
5A-00044	30325	Np-239	-0.0715 JU	0.1	0.0352	0.139	0.00 - 0.50
5A-00044	30326	Np-239	0.0375 J	0.0747	0.0242	0.139	1.00 - 4.00
5A-00044	30325	Cs-134	-0.0039 U	0.0123	0.0044	0.0864	0.00 - 0.50
5A-00044	30326	Cs-134	-0.0019 U	0.0105	0.0037	0.0864	1.00 - 4.00
5A-00044	30325	Eu-152	0.0057 U	0.0374	0.0157	0.0566	0.00 - 0.50
5A-00044	30326	Eu-152	-0.0045 U	0.0291	0.0098	0.0566	1.00 - 4.00
5A-00044	30325	Np-236	0.0007 U	0.0289	0.0093	0.047	0.00 - 0.50
5A-00044	30326	Np-236	-0.0155 JU	0.0189	0.0067	0.047	1.00 - 4.00
5A-00044	30325	Am-241	-0.0055 U	0.0263	0.0043	0.0454	0.00 - 0.50
5A-00044	30326	Am-241	-0.0015 U	0.0296	0.0063	0.0454	1.00 - 4.00
5A-00044	30325	Pu-236	-0.0051 U	0.0307	0.0051	0.0448	0.00 - 0.50
5A-00044	30326	Pu-236	0.0035 U	0.0355	0.0086	0.0448	1.00 - 4.00
5A-00044	30325	Cm-243/244	0.0013 U	0.025	0.0057	0.0443	0.00 - 0.50
5A-00044	30326	Cm-243/244	-0.0015 U	0.0265	0.0053	0.0443	1.00 - 4.00
5A-00044	30325	Ho-166m	-0.0051 U	0.0197	0.0061	0.0432	0.00 - 0.50
5A-00044	30326	Ho-166m	-0.0115 U	0.0183	0.0061	0.0432	1.00 - 4.00
5A-00044	30325	Pu-238	-0.0032 U	0.0329	0.0068	0.0415	0.00 - 0.50
5A-00044	30326	Pu-238	0.0031 U	0.0454	0.0115	0.0415	1.00 - 4.00
5A-00044	30325	Pu-239/240	0.0076	0.0169	0.0055	0.0404	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00044	30326	Pu-239/240	0.0067	0.0091	0.0048	0.0404	1.00 - 4.00
5A-00044	30325	Na-22	-0.003 U	0.0172	0.0052	0.037	0.00 - 0.50
5A-00044	30326	Na-22	0.0014 U	0.0159	0.0046	0.037	1.00 - 4.00
5A-00044	30325	Pu-244	0	0.0082	0.003	0.0313	0.00 - 0.50
5A-00044	30326	Pu-244	0.0455	0.0188	0.013	0.0313	1.00 - 4.00
5A-00044	30325	Co-60	0.0027 U	0.0142	0.0041	0.028	0.00 - 0.50
5A-00044	30326	Co-60	0.0076 J	0.0137	0.0043	0.028	1.00 - 4.00
5A-00044	30325	Sn-126	0.001 U	0.0129	0.0039	0.0237	0.00 - 0.50
5A-00044	30326	Sn-126	-0.0057 U	0.0119	0.0038	0.0237	1.00 - 4.00
5A-00044	30325	Nb-94	0.0072 SK	0.0119	0.0039	0.0214	0.00 - 0.50
5A-00044	30326	Nb-94	0.0048 U	0.0111	0.0034	0.0214	1.00 - 4.00
5A-00045	30001	Cd-113m	-26 U	89.8	28.6	3030	1.00 - 2.50
5A-00045	30327	Cd-113m	-51 U J	120	37.9	3030	0.00 - 0.50
5A-00045	30001	Tm-171	-1.32 U	11.1	3.85	72.4	1.00 - 2.50
5A-00045	30327	Tm-171	-10.8 U J	12.3	4.94	72.4	0.00 - 0.50
5A-00045	30001	K-40	25.5	0.0962	1.43	32.4	1.00 - 2.50
5A-00045	30327	K-40	22.5	0.147	1.27	32.4	0.00 - 0.50
5A-00045	30001	Th-228	1.52	0.12	0.144	3.98	1.00 - 2.50
5A-00045	30327	Th-228	1.46	0.0553	0.134	3.98	0.00 - 0.50
5A-00045	30001	Th-234	1.63	0.198	0.137	3.19	1.00 - 2.50
5A-00045	30327	Th-234	1.74	0.239	0.159	3.19	0.00 - 0.50
5A-00045	30001	Th-232	1.18	0.0169	0.109	3.1	1.00 - 2.50
5A-00045	30327	Th-232	1.19	0.0442	0.109	3.1	0.00 - 0.50
5A-00045	30001	Pb-212	1.7	0.0275	0.1	2.69	1.00 - 2.50
5A-00045	30327	Pb-212	1.79	0.0358	0.104	2.69	0.00 - 0.50
5A-00045	30001	Th-230	0.859	0.0995	0.0921	2.2	1.00 - 2.50
5A-00045	30327	Th-230	1.08	0.056	0.102	2.2	0.00 - 0.50
5A-00045	30001	Bi-212	1.04	0.11	0.0806	2.15	1.00 - 2.50
5A-00045	30327	Bi-212	1.06	0.171	0.0941	2.15	0.00 - 0.50
5A-00045	30001	U-233/234	0.932	0.0504	0.09	2.02	1.00 - 2.50
5A-00045	30327	U-233/234	1.13	0.0402	0.112	2.02	0.00 - 0.50
5A-00045	30001	U-238	0.915	0.0357	0.0882	1.8	1.00 - 2.50
5A-00045	30327	U-238	1.04	0.0138	0.105	1.8	0.00 - 0.50
5A-00045	30001	Pb-214	1.07	0.0228	0.0495	1.7	1.00 - 2.50
5A-00045	30327	Pb-214	1.05	0.0328	0.0502	1.7	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00045	30001	Bi-214	1	0.0214	0.0445	1.59	1.00 - 2.50
5A-00045	30327	Bi-214	0.957	0.032	0.0463	1.59	0.00 - 0.50
5A-00045	30001	Tl-208	0.522	0.0138	0.0282	0.937	1.00 - 2.50
5A-00045	30327	Tl-208	0.564	0.021	0.0332	0.937	0.00 - 0.50
5A-00045	30001	Pa-231	-0.0151 U	0.557	0.173	0.936	1.00 - 2.50
5A-00045	30327	Pa-231	-0.274 U	0.756	0.254	0.936	0.00 - 0.50
5A-00045	30001	Sr-90	-0.0382 U K	0.205	0.0531	0.485	1.00 - 2.50
5A-00045	30327	Sr-90	0.0653 U K	0.128	0.0397	0.485	0.00 - 0.50
5A-00045	30001	Sb-125	-0.0027 U	0.0344	0.0102	0.354	1.00 - 2.50
5A-00045	30327	Sb-125	0.0062 U	0.05	0.0152	0.354	0.00 - 0.50
5A-00045	30001	Eu-155	0.108 SK	0.0488	0.0253	0.231	1.00 - 2.50
5A-00045	30327	Eu-155	0.0972 SK	0.061	0.0261	0.231	0.00 - 0.50
5A-00045	30001	Ac-227	-0.0476 U J	0.134	0.043	0.217	1.00 - 2.50
5A-00045	30327	Ac-227	0.0201 U	0.183	0.0543	0.217	0.00 - 0.50
5A-00045	30001	Cs-137	-0.0015 U	0.0122	0.0043	0.207	1.00 - 2.50
5A-00045	30327	Cs-137	0.01 J	0.0198	0.0062	0.207	0.00 - 0.50
5A-00045	30001	U-235/236	0.057	0.0129	0.017	0.151	1.00 - 2.50
5A-00045	30327	U-235/236	0.0504	0.0171	0.0182	0.151	0.00 - 0.50
5A-00045	30001	Eu-154	0.0195 U	0.0738	0.0252	0.15	1.00 - 2.50
5A-00045	30327	Eu-154	0.0173 U	0.11	0.0381	0.15	0.00 - 0.50
5A-00045	30001	Th-229	-0.0063 U	0.0824	0.0189	0.145	1.00 - 2.50
5A-00045	30327	Th-229	0.0181 U	0.0561	0.016	0.145	0.00 - 0.50
5A-00045	30001	Np-239	0.0238 U	0.0889	0.0276	0.139	1.00 - 2.50
5A-00045	30327	Np-239	0.0352 U	0.121	0.0363	0.139	0.00 - 0.50
5A-00045	30001	Cs-134	0.0036 U	0.0123	0.0042	0.0864	1.00 - 2.50
5A-00045	30327	Cs-134	-0.0102 U	0.0175	0.0066	0.0864	0.00 - 0.50
5A-00045	30001	Eu-152	-0.0061 U	0.0337	0.0103	0.0566	1.00 - 2.50
5A-00045	30327	Eu-152	-0.011 U	0.0462	0.0153	0.0566	0.00 - 0.50
5A-00045	30001	Np-236	-0.01 U	0.0249	0.0078	0.047	1.00 - 2.50
5A-00045	30327	Np-236	0.0066 U	0.0318	0.0098	0.047	0.00 - 0.50
5A-00045	30001	Am-241	0.0107	0.0125	0.0047	0.0454	1.00 - 2.50
5A-00045	30327	Am-241	0.0058	0.0107	0.0036	0.0454	0.00 - 0.50
5A-00045	30001	Pu-236	0.002 U	0.0242	0.006	0.0448	1.00 - 2.50
5A-00045	30327	Pu-236	-0.002 U	0.0147	0.0028	0.0448	0.00 - 0.50
5A-00045	30001	Cm-243/244	-0.0055 U	0.0381	0.0101	0.0443	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00045	30327	Cm-243/244	0 U	0.0178	0.0042	0.0443	0.00 - 0.50
5A-00045	30001	Ho-166m	-0.0143 U J	0.0182	0.0067	0.0432	1.00 - 2.50
5A-00045	30327	Ho-166m	-0.0043 U	0.0288	0.0086	0.0432	0.00 - 0.50
5A-00045	30001	Pu-238	0.0035 U	0.0186	0.0049	0.0415	1.00 - 2.50
5A-00045	30327	Pu-238	-0.0087 U	0.0246	0.0046	0.0415	0.00 - 0.50
5A-00045	30001	Pu-239/240	0.0034 U	0.0127	0.0034	0.0404	1.00 - 2.50
5A-00045	30327	Pu-239/240	0.0052 U	0.0227	0.0063	0.0404	0.00 - 0.50
5A-00045	30001	Na-22	0.0141 J	0.0182	0.0069	0.037	1.00 - 2.50
5A-00045	30327	Na-22	0.0093 U	0.0273	0.0081	0.037	0.00 - 0.50
5A-00045	30001	Pu-244	0.0052	0.0127	0.0039	0.0313	1.00 - 2.50
5A-00045	30327	Pu-244	0 U	0.0161	0.0035	0.0313	0.00 - 0.50
5A-00045	30001	Co-60	0.0013 U	0.0142	0.0043	0.028	1.00 - 2.50
5A-00045	30327	Co-60	-0.0011 U	0.0207	0.0061	0.028	0.00 - 0.50
5A-00045	30001	Sn-126	-0.0012 U	0.0118	0.0036	0.0237	1.00 - 2.50
5A-00045	30327	Sn-126	-0.0003 U	0.0187	0.0055	0.0237	0.00 - 0.50
5A-00045	30001	Nb-94	0.003 U	0.0108	0.0033	0.0214	1.00 - 2.50
5A-00045	30327	Nb-94	0.0055 U	0.0166	0.005	0.0214	0.00 - 0.50
5A-00046	30002	Cd-113m	-24.3 U	103	34.4	3030	1.00 - 3.92
5A-00046	30328	Cd-113m	-49.2 U J	116	38.2	3030	0.00 - 0.50
5A-00046	30002	Tm-171	3.39 U	6.95	2.35	72.4	1.00 - 3.92
5A-00046	30328	Tm-171	-12.6 U	18.9	7.07	72.4	0.00 - 0.50
5A-00046	30002	K-40	24.4	0.139	1.32	32.4	1.00 - 3.92
5A-00046	30328	K-40	26.6	0.117	1.64	32.4	0.00 - 0.50
5A-00046	30002	Th-228	1.4	0.126	0.135	3.98	1.00 - 3.92
5A-00046	30328	Th-228	1.82	0.11	0.161	3.98	0.00 - 0.50
5A-00046	30002	Th-234	1.8	0.19	0.129	3.19	1.00 - 3.92
5A-00046	30328	Th-234	1.94	0.278	0.184	3.19	0.00 - 0.50
5A-00046	30002	Th-232	1.17	0.0436	0.108	3.1	1.00 - 3.92
5A-00046	30328	Th-232	1.25	0.017	0.114	3.1	0.00 - 0.50
5A-00046	30002	Pb-212	1.82	0.0317	0.101	2.69	1.00 - 3.92
5A-00046	30328	Pb-212	1.81	0.0337	0.119	2.69	0.00 - 0.50
5A-00046	30002	Th-230	1.34	0.0552	0.119	2.2	1.00 - 3.92
5A-00046	30328	Th-230	1.08	0.0584	0.104	2.2	0.00 - 0.50
5A-00046	30002	Bi-212	1.15	0.161	0.0951	2.15	1.00 - 3.92
5A-00046	30328	Bi-212	1.15	0.132	0.087	2.15	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00046	30002	U-233/234	1.12	0.0527	0.105	2.02	1.00 - 3.92
5A-00046	30328	U-233/234	1.19	0.0582	0.117	2.02	0.00 - 0.50
5A-00046	30002	U-238	0.949	0.0374	0.0919	1.8	1.00 - 3.92
5A-00046	30328	U-238	1.25	0.0318	0.121	1.8	0.00 - 0.50
5A-00046	30002	Pb-214	1.22	0.0286	0.055	1.7	1.00 - 3.92
5A-00046	30328	Pb-214	1.26	0.0285	0.0619	1.7	0.00 - 0.50
5A-00046	30002	Bi-214	1.08	0.0287	0.0507	1.59	1.00 - 3.92
5A-00046	30328	Bi-214	1.09	0.0253	0.0488	1.59	0.00 - 0.50
5A-00046	30002	Tl-208	0.615	0.0185	0.0344	0.937	1.00 - 3.92
5A-00046	30328	Tl-208	0.556	0.0164	0.0301	0.937	0.00 - 0.50
5A-00046	30002	Pa-231	-0.0556 U	0.659	0.206	0.936	1.00 - 3.92
5A-00046	30328	Pa-231	-0.113 U	0.71	0.232	0.936	0.00 - 0.50
5A-00046	30002	Sr-90	-0.0609 U K	0.25	0.0667	0.485	1.00 - 3.92
5A-00046	30328	Sr-90	0.0358 U K	0.105	0.0311	0.485	0.00 - 0.50
5A-00046	30002	Sb-125	0.0049 U	0.0454	0.0134	0.354	1.00 - 3.92
5A-00046	30328	Sb-125	-0.0081 U	0.0423	0.0129	0.354	0.00 - 0.50
5A-00046	30002	Eu-155	0.068 SK	0.0477	0.0216	0.231	1.00 - 3.92
5A-00046	30328	Eu-155	0.0809 SK	0.0663	0.0257	0.231	0.00 - 0.50
5A-00046	30002	Ac-227	-0.0397 U J	0.158	0.0562	0.217	1.00 - 3.92
5A-00046	30328	Ac-227	-0.0417 U	0.171	0.0542	0.217	0.00 - 0.50
5A-00046	30002	Cs-137	0.0071 U	0.0175	0.0062	0.207	1.00 - 3.92
5A-00046	30328	Cs-137	0.0433	0.0141	0.0054	0.207	0.00 - 0.50
5A-00046	30002	U-235/236	0.0348	0.0135	0.0134	0.151	1.00 - 3.92
5A-00046	30328	U-235/236	0.0572	0.0392	0.0204	0.151	0.00 - 0.50
5A-00046	30002	Eu-154	0.0618 J	0.106	0.0379	0.15	1.00 - 3.92
5A-00046	30328	Eu-154	-0.0326 U	0.0896	0.0286	0.15	0.00 - 0.50
5A-00046	30002	Th-229	-0.006 U	0.078	0.0179	0.145	1.00 - 3.92
5A-00046	30328	Th-229	0.0252 U	0.0678	0.02	0.145	0.00 - 0.50
5A-00046	30002	Np-239	0.0416 U	0.104	0.0331	0.139	1.00 - 3.92
5A-00046	30328	Np-239	-0.0577 U	0.113	0.0377	0.139	0.00 - 0.50
5A-00046	30002	Cs-134	-0.0043 U	0.0167	0.006	0.0864	1.00 - 3.92
5A-00046	30328	Cs-134	-0.0005 U	0.0146	0.005	0.0864	0.00 - 0.50
5A-00046	30002	Eu-152	-0.0346 U J	0.0395	0.0148	0.0566	1.00 - 3.92
5A-00046	30328	Eu-152	-0.0008 U	0.0415	0.0163	0.0566	0.00 - 0.50
5A-00046	30002	Np-236	-0.0127 U	0.0246	0.0079	0.047	1.00 - 3.92

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00046	30328	Np-236	-0.0048 U	0.0334	0.0104	0.047	0.00 - 0.50
5A-00046	30002	Am-241	-0.0034 U	0.0237	0.0053	0.0454	1.00 - 3.92
5A-00046	30328	Am-241	-0.003 U	0.016	0.003	0.0454	0.00 - 0.50
5A-00046	30002	Pu-236	0 U	0.0185	0.0036	0.0448	1.00 - 3.92
5A-00046	30328	Pu-236	0 U	0.0396	0.0106	0.0448	0.00 - 0.50
5A-00046	30002	Cm-243/244	0.0086	0.0127	0.0046	0.0443	1.00 - 3.92
5A-00046	30328	Cm-243/244	-0.0015 U	0.0164	0.0034	0.0443	0.00 - 0.50
5A-00046	30002	Ho-166m	0.0009 U	0.0275	0.008	0.0432	1.00 - 3.92
5A-00046	30328	Ho-166m	-0.0011 U	0.0233	0.0069	0.0432	0.00 - 0.50
5A-00046	30002	Pu-238	0.0022 U	0.0159	0.0037	0.0415	1.00 - 3.92
5A-00046	30328	Pu-238	0.0015 U	0.0197	0.005	0.0415	0.00 - 0.50
5A-00046	30002	Pu-239/240	0 U	0.0231	0.0053	0.0404	1.00 - 3.92
5A-00046	30328	Pu-239/240	0.006 U	0.0161	0.0048	0.0404	0.00 - 0.50
5A-00046	30002	Na-22	-0.0125 U	0.0249	0.008	0.037	1.00 - 3.92
5A-00046	30328	Na-22	-0.0055 U	0.0212	0.0065	0.037	0.00 - 0.50
5A-00046	30002	Pu-244	0.0043	0.0058	0.003	0.0313	1.00 - 3.92
5A-00046	30328	Pu-244	0.0045	0.0041	0.0026	0.0313	0.00 - 0.50
5A-00046	30002	Co-60	-0.0009 U	0.0204	0.0059	0.028	1.00 - 3.92
5A-00046	30328	Co-60	0.0024 U	0.0167	0.0049	0.028	0.00 - 0.50
5A-00046	30002	Sn-126	0.0051 U	0.0176	0.0052	0.0237	1.00 - 3.92
5A-00046	30328	Sn-126	-0.0079 U	0.0142	0.0047	0.0237	0.00 - 0.50
5A-00046	30002	Nb-94	0.0077 JSK	0.0158	0.0048	0.0214	1.00 - 3.92
5A-00046	30328	Nb-94	-0.0022 U	0.0128	0.0039	0.0214	0.00 - 0.50
5A-00048	30003	Cd-113m	-9.12 U	94.5	27.8	3030	1.00 - 2.67
5A-00048	30331	Cd-113m	-14.2 U	77.9	24.2	3030	0.00 - 0.50
5A-00048	30003	Tm-171	-0.17 U	12.2	4.02	72.4	1.00 - 2.67
5A-00048	30331	Tm-171	-5.86 U	8.34	3.23	72.4	0.00 - 0.50
5A-00048	30003	K-40	23.2	0.0941	1.45	32.4	1.00 - 2.67
5A-00048	30331	K-40	21.4	0.0861	1.24	32.4	0.00 - 0.50
5A-00048	30003	Th-228	1.72	0.116	0.162	3.98	1.00 - 2.67
5A-00048	30331	Th-228	1.42	0.0954	0.143	3.98	0.00 - 0.50
5A-00048	30003	Th-234	1.52	0.223	0.14	3.19	1.00 - 2.67
5A-00048	30331	Th-234	1.4	0.171	0.119	3.19	0.00 - 0.50
5A-00048	30003	Th-232	1.28	0.0479	0.124	3.1	1.00 - 2.67
5A-00048	30331	Th-232	1.08	0.0497	0.111	3.1	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00048	30003	Pb-212	1.57	0.026	0.0945	2.69	1.00 - 2.67
5A-00048	30331	Pb-212	1.49	0.0222	0.0896	2.69	0.00 - 0.50
5A-00048	30003	Th-230	0.881	0.0606	0.0961	2.2	1.00 - 2.67
5A-00048	30331	Th-230	0.853	0.0499	0.0949	2.2	0.00 - 0.50
5A-00048	30003	Bi-212	0.915	0.104	0.0675	2.15	1.00 - 2.67
5A-00048	30331	Bi-212	0.967	0.0883	0.07	2.15	0.00 - 0.50
5A-00048	30003	U-233/234	0.999	0.0388	0.108	2.02	1.00 - 2.67
5A-00048	30331	U-233/234	0.999	0.0334	0.0989	2.02	0.00 - 0.50
5A-00048	30003	U-238	0.967	0.0551	0.106	1.8	1.00 - 2.67
5A-00048	30331	U-238	0.995	0.0334	0.0985	1.8	0.00 - 0.50
5A-00048	30003	Pb-214	1.13	0.0238	0.0527	1.7	1.00 - 2.67
5A-00048	30331	Pb-214	1.12	0.0201	0.0521	1.7	0.00 - 0.50
5A-00048	30003	Bi-214	1	0.0204	0.0453	1.59	1.00 - 2.67
5A-00048	30331	Bi-214	0.991	0.0182	0.0432	1.59	0.00 - 0.50
5A-00048	30003	Tl-208	0.472	0.0129	0.0259	0.937	1.00 - 2.67
5A-00048	30331	Tl-208	0.452	0.0117	0.024	0.937	0.00 - 0.50
5A-00048	30003	Pa-231	0.0548 U	0.582	0.184	0.936	1.00 - 2.67
5A-00048	30331	Pa-231	-0.0187 U	0.488	0.15	0.936	0.00 - 0.50
5A-00048	30003	Sr-90	-0.0453 U K	0.218	0.0527	0.485	1.00 - 2.67
5A-00048	30331	Sr-90	-0.0983 U K	0.23	0.0501	0.485	0.00 - 0.50
5A-00048	30003	Sb-125	0.016 U	0.0341	0.0108	0.354	1.00 - 2.67
5A-00048	30331	Sb-125	-0.0068 U	0.0292	0.0088	0.354	0.00 - 0.50
5A-00048	30003	Eu-155	0.0795 SK	0.054	0.0247	0.231	1.00 - 2.67
5A-00048	30331	Eu-155	0.0756 SK	0.0401	0.0192	0.231	0.00 - 0.50
5A-00048	30003	Ac-227	-0.0576 U	0.141	0.0437	0.217	1.00 - 2.67
5A-00048	30331	Ac-227	0.0009 U	0.117	0.0358	0.217	0.00 - 0.50
5A-00048	30003	Cs-137	0.0279	0.0121	0.0053	0.207	1.00 - 2.67
5A-00048	30331	Cs-137	0.0592	0.0103	0.0063	0.207	0.00 - 0.50
5A-00048	30003	U-235/236	0.0999	0.0479	0.0296	0.151	1.00 - 2.67
5A-00048	30331	U-235/236	0.0618	0.0152	0.0191	0.151	0.00 - 0.50
5A-00048	30003	Eu-154	-0.0543 JU	0.0691	0.0251	0.15	1.00 - 2.67
5A-00048	30331	Eu-154	0.0017 U	0.0617	0.0209	0.15	0.00 - 0.50
5A-00048	30003	Th-229	0.0196 U	0.0786	0.0217	0.145	1.00 - 2.67
5A-00048	30331	Th-229	0.0204 U	0.0957	0.0263	0.145	0.00 - 0.50
5A-00048	30003	Np-239	0.0055 U	0.0945	0.0295	0.139	1.00 - 2.67

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00048	30331	Np-239	0.0041 U	0.0784	0.0238	0.139	0.00 - 0.50
5A-00048	30003	Cs-134	0.0015 U	0.011	0.0038	0.0864	1.00 - 2.67
5A-00048	30331	Cs-134	-0.0014 U	0.0101	0.0035	0.0864	0.00 - 0.50
5A-00048	30003	Eu-152	0.0075 U	0.0342	0.0124	0.0566	1.00 - 2.67
5A-00048	30331	Eu-152	0.0092 U	0.0287	0.0102	0.0566	0.00 - 0.50
5A-00048	30003	Np-236	-0.0155 U	0.0271	0.009	0.047	1.00 - 2.67
5A-00048	30331	Np-236	0.0026 U	0.0215	0.007	0.047	0.00 - 0.50
5A-00048	30003	Am-241	0.0075 U	0.0402	0.0108	0.0454	1.00 - 2.67
5A-00048	30331	Am-241	0.009	0.0061	0.0045	0.0454	0.00 - 0.50
5A-00048	30003	Pu-236	0.0104 U	0.0415	0.0115	0.0448	1.00 - 2.67
5A-00048	30331	Pu-236	-0.0072 U	0.0302	0.0053	0.0448	0.00 - 0.50
5A-00048	30003	Cm-243/244	-0.0048 U	0.0353	0.0072	0.0443	1.00 - 2.67
5A-00048	30331	Cm-243/244	0.0013 U	0.0179	0.004	0.0443	0.00 - 0.50
5A-00048	30003	Ho-166m	-0.0061 U	0.0194	0.0059	0.0432	1.00 - 2.67
5A-00048	30331	Ho-166m	-0.0021 U	0.0162	0.005	0.0432	0.00 - 0.50
5A-00048	30003	Pu-238	-0.0116 U	0.04	0.0072	0.0415	1.00 - 2.67
5A-00048	30331	Pu-238	0.0075	0.0068	0.0043	0.0415	0.00 - 0.50
5A-00048	30003	Pu-239/240	0.0065 U	0.0221	0.0061	0.0404	1.00 - 2.67
5A-00048	30331	Pu-239/240	-0.0076 U	0.0308	0.0059	0.0404	0.00 - 0.50
5A-00048	30003	Na-22	-0.0026 U	0.0161	0.0051	0.037	1.00 - 2.67
5A-00048	30331	Na-22	-0.0017 U	0.0138	0.0049	0.037	0.00 - 0.50
5A-00048	30003	Pu-244	0.0098	0.0221	0.007	0.0313	1.00 - 2.67
5A-00048	30331	Pu-244	0.005	0.0067	0.0035	0.0313	0.00 - 0.50
5A-00048	30003	Co-60	0.0011 U	0.0137	0.004	0.028	1.00 - 2.67
5A-00048	30331	Co-60	-0.0047 U	0.0112	0.0036	0.028	0.00 - 0.50
5A-00048	30003	Sn-126	-0.0007 U	0.0122	0.0036	0.0237	1.00 - 2.67
5A-00048	30331	Sn-126	-0.0019 U	0.0102	0.0032	0.0237	0.00 - 0.50
5A-00048	30003	Nb-94	-0.0025 U	0.0107	0.0033	0.0214	1.00 - 2.67
5A-00048	30331	Nb-94	0.0096 SK	0.0097	0.0036	0.0214	0.00 - 0.50
5A-00049	30004	Cd-113m	38.8 U J	87.3	28.1	3030	1.00 - 3.00
5A-00049	30332	Cd-113m	-1.8 U	31	9.3	3030	0.00 - 0.50
5A-00049	30004	Tm-171	2.43 U	10.8	3.75	72.4	1.00 - 3.00
5A-00049	30332	Tm-171	-5.3 U J	4.1	1.3	72.4	0.00 - 0.50
5A-00049	30004	K-40	23.9	0.0885	1.35	32.4	1.00 - 3.00
5A-00049	30332	K-40	21	0.11	0.62	32.4	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00049	30004	Th-228	1.37	0.0904	0.13	3.98	1.00 - 3.00
5A-00049	30332	Th-228	1.15	0.018	0.058	3.98	0.00 - 0.50
5A-00049	30004	Th-234	1.42	0.197	0.118	3.19	1.00 - 3.00
5A-00049	30332	Th-234	1.32 R	0.12	0.07	3.19	0.00 - 0.50
5A-00049	30004	Th-232	1.05	0.0433	0.0989	3.1	1.00 - 3.00
5A-00049	30332	Th-232	1.13	0.006	0.057	3.1	0.00 - 0.50
5A-00049	30004	Pb-212	1.64	0.0263	0.0971	2.69	1.00 - 3.00
5A-00049	30332	Pb-212	1.4	0.018	0.056	2.69	0.00 - 0.50
5A-00049	30004	Th-230	0.985	0.0635	0.0958	2.2	1.00 - 3.00
5A-00049	30332	Th-230	0.932	0.009	0.048	2.2	0.00 - 0.50
5A-00049	30004	Bi-212	1.01	0.106	0.0723	2.15	1.00 - 3.00
5A-00049	30332	Bi-212	0.844	0.097	0.06	2.15	0.00 - 0.50
5A-00049	30004	U-233/234	1.04	0.0343	0.107	2.02	1.00 - 3.00
5A-00049	30332	U-233/234	0.78	0.011	0.042	2.02	0.00 - 0.50
5A-00049	30004	U-238	1.14	0.0343	0.115	1.8	1.00 - 3.00
5A-00049	30332	U-238	0.778	0.008	0.042	1.8	0.00 - 0.50
5A-00049	30004	Pb-214	1.04	0.0228	0.0481	1.7	1.00 - 3.00
5A-00049	30332	Pb-214	1.02	0.021	0.033	1.7	0.00 - 0.50
5A-00049	30004	Bi-214	0.964	0.0194	0.0429	1.59	1.00 - 3.00
5A-00049	30332	Bi-214	0.904	0.019	0.03	1.59	0.00 - 0.50
5A-00049	30004	Tl-208	0.49	0.0135	0.0264	0.937	1.00 - 3.00
5A-00049	30332	Tl-208	0.411	0.012	0.014	0.937	0.00 - 0.50
5A-00049	30004	Pa-231	0.17 U	0.534	0.169	0.936	1.00 - 3.00
5A-00049	30332	Pa-231	-0.08 U	0.45	0.13	0.936	0.00 - 0.50
5A-00049	30004	Sr-90	-0.0259 U K	0.121	0.0294	0.485	1.00 - 3.00
5A-00049	30332	Sr-90	0.027 U	0.059	0.018	0.485	0.00 - 0.50
5A-00049	30004	Sb-125	-0.0094 U	0.0334	0.0102	0.354	1.00 - 3.00
5A-00049	30332	Sb-125	0.112 JSK	0.029	0.0078	0.354	0.00 - 0.50
5A-00049	30004	Eu-155	0.0617 SK	0.0475	0.0197	0.231	1.00 - 3.00
5A-00049	30332	Eu-155	0.054 SK	0.027	0.011	0.231	0.00 - 0.50
5A-00049	30004	Ac-227	0.0257 U	0.13	0.0404	0.217	1.00 - 3.00
5A-00049	30332	Ac-227	0.031 U	0.11	0.04	0.217	0.00 - 0.50
5A-00049	30004	Cs-137	0.0152	0.0114	0.0042	0.207	1.00 - 3.00
5A-00049	30332	Cs-137	0.0766	0.0098	0.0057	0.207	0.00 - 0.50
5A-00049	30004	U-235/236	0.0933	0.0181	0.0259	0.151	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00049	30332	U-235/236	0.042	0.0081	0.0072	0.151	0.00 - 0.50
5A-00049	30004	Eu-154	-0.0126 U	0.0701	0.0244	0.15	1.00 - 3.00
5A-00049	30332	Eu-154	0.011 U	0.062	0.012	0.15	0.00 - 0.50
5A-00049	30004	Th-229	-0.0296 U	0.0834	0.0156	0.145	1.00 - 3.00
5A-00049	30332	Th-229	0.0011 U	0.012	0.0032	0.145	0.00 - 0.50
5A-00049	30004	Np-239	0.0029 U	0.0857	0.0262	0.139	1.00 - 3.00
5A-00049	30332	Np-239	0.011 U	0.054	0.016	0.139	0.00 - 0.50
5A-00049	30004	Cs-134	-0.0071 U	0.0115	0.0044	0.0864	1.00 - 3.00
5A-00049	30332	Cs-134	0.0079 U	0.034	0.0022	0.0864	0.00 - 0.50
5A-00049	30332	Te-125m	0.0259 JSK	0.0068	0.0018	0.0838	0.00 - 0.50
5A-00049	30004	Eu-152	-0.0105 U	0.0315	0.0108	0.0566	1.00 - 3.00
5A-00049	30332	Eu-152	0.0126 U	0.027	0.0066	0.0566	0.00 - 0.50
5A-00049	30004	Np-236	-0.0196 U J	0.0241	0.0086	0.047	1.00 - 3.00
5A-00049	30332	Np-236	-0.0003 U	0.024	0.0073	0.047	0.00 - 0.50
5A-00049	30004	Am-241	0.0055	0.0129	0.0039	0.0454	1.00 - 3.00
5A-00049	30332	Am-241	0.0029	0.0071	0.0022	0.0454	0.00 - 0.50
5A-00049	30004	Pu-236	-0.0017 U	0.0207	0.0046	0.0448	1.00 - 3.00
5A-00049	30332	Pu-236	0 U	0.0044	0.001	0.0448	0.00 - 0.50
5A-00049	30004	Cm-243/244	0.0014 U	0.0276	0.0074	0.0443	1.00 - 3.00
5A-00049	30332	Cm-243/244	-0.0009 U	0.0069	0.0011	0.0443	0.00 - 0.50
5A-00049	30004	Ho-166m	0.0086 U	0.0181	0.0058	0.0432	1.00 - 3.00
5A-00049	30332	Ho-166m	0.0154 SK	0.017	0.0045	0.0432	0.00 - 0.50
5A-00049	30004	Pu-238	-0.0044 U	0.0209	0.0044	0.0415	1.00 - 3.00
5A-00049	30332	Pu-238	0.001 U	0.0067	0.0019	0.0415	0.00 - 0.50
5A-00049	30004	Pu-239/240	0.0044 U	0.0137	0.0039	0.0404	1.00 - 3.00
5A-00049	30332	Pu-239/240	0.0038	0.0035	0.0015	0.0404	0.00 - 0.50
5A-00049	30332	Cm-245/246	-0.0008 U J	0.0089	0.0009	0.0401	0.00 - 0.50
5A-00049	30004	Na-22	0.0088 J	0.0174	0.006	0.037	1.00 - 3.00
5A-00049	30332	Na-22	-0.0025 U	0.016	0.0048	0.037	0.00 - 0.50
5A-00049	30004	Pu-244	0.0059	0.004	0.003	0.0313	1.00 - 3.00
5A-00049	30332	Pu-244	-0.001 U	0.0051	0.001	0.0313	0.00 - 0.50
5A-00049	30332	Cm-247/248	0.0016 U	0.0042	0.0016	0.0306	0.00 - 0.50
5A-00049	30004	Co-60	-0.0023 U	0.013	0.004	0.028	1.00 - 3.00
5A-00049	30332	Co-60	-0.0003 U	0.013	0.0006	0.028	0.00 - 0.50
5A-00049	30004	Sn-126	-0.0007 U	0.0113	0.0035	0.0237	1.00 - 3.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00049	30332	Sn-126	0.0019 U	0.011	0.0033	0.0237	0.00 - 0.50
5A-00049	30004	Nb-94	0.0049 U	0.0103	0.0033	0.0214	1.00 - 3.00
5A-00049	30332	Nb-94	0.0039 U	0.0094	0.0021	0.0214	0.00 - 0.50
5A-00050	30333	Cd-113m	-0.3	32	9.7	3030	0.00 - 0.50
5A-00050	30333	Cd-113m	-0.3 U	32	9.7	3030	0.00 - 0.50
5A-00050	30334	Cd-113m	0.01 U	31	9.3	3030	1.00 - 5.00
5A-00050	30333	Tm-171	-4.9 U J	4.6	1.4	72.4	0.00 - 0.50
5A-00050	30333	Tm-171	-4.9	4.6	1.4	72.4	0.00 - 0.50
5A-00050	30334	Tm-171	2.8	5.1	1.5	72.4	1.00 - 5.00
5A-00050	30333	K-40	22.2	0.1	1.1	32.4	0.00 - 0.50
5A-00050	30333	K-40	22.2	0.1	1.1	32.4	0.00 - 0.50
5A-00050	30334	K-40	20	0.1	1	32.4	1.00 - 5.00
5A-00050	30333	Th-228	1.2	0.009	0.064	3.98	0.00 - 0.50
5A-00050	30333	Th-228	1.2	0.009	0.064	3.98	0.00 - 0.50
5A-00050	30334	Th-228	1.36	0.017	0.068	3.98	1.00 - 5.00
5A-00050	30333	Th-234	1.42 R	0.13	0.098	3.19	0.00 - 0.50
5A-00050	30333	Th-234	1.42	0.13	0.098	3.19	0.00 - 0.50
5A-00050	30334	Th-234	0.378 R	0.14	0.048	3.19	1.00 - 5.00
5A-00050	30333	Th-232	1.21	0.009	0.064	3.1	0.00 - 0.50
5A-00050	30333	Th-232	1.21	0.009	0.064	3.1	0.00 - 0.50
5A-00050	30334	Th-232	1.42	0.003	0.071	3.1	1.00 - 5.00
5A-00050	30333	Pb-212	1.57	0.02	0.1	2.69	0.00 - 0.50
5A-00050	30333	Pb-212	1.57	0.02	0.1	2.69	0.00 - 0.50
5A-00050	30334	Pb-212	1.69	0.02	0.11	2.69	1.00 - 5.00
5A-00050	30333	Th-230	1.01	0.011	0.055	2.2	0.00 - 0.50
5A-00050	30333	Th-230	1.01	0.011	0.055	2.2	0.00 - 0.50
5A-00050	30334	Th-230	1.07	0.004	0.056	2.2	1.00 - 5.00
5A-00050	30333	Bi-212	0.946	0.1	0.076	2.15	0.00 - 0.50
5A-00050	30333	Bi-212	0.946	0.1	0.076	2.15	0.00 - 0.50
5A-00050	30334	Bi-212	1.08	0.12	0.09	2.15	1.00 - 5.00
5A-00050	30333	U-233/234	0.626	0.011	0.036	2.02	0.00 - 0.50
5A-00050	30333	U-233/234	0.626	0.011	0.036	2.02	0.00 - 0.50
5A-00050	30334	U-233/234	0.767	0.015	0.044	2.02	1.00 - 5.00
5A-00050	30333	U-238	0.662	0.007	0.038	1.8	0.00 - 0.50
5A-00050	30333	U-238	0.662	0.007	0.038	1.8	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00050	30334	U-238	0.821	0.003	0.046	1.8	1.00 - 5.00
5A-00050	30333	Pb-214	0.934	0.023	0.051	1.7	0.00 - 0.50
5A-00050	30333	Pb-214	0.934	0.023	0.051	1.7	0.00 - 0.50
5A-00050	30334	Pb-214	0.832	0.022	0.046	1.7	1.00 - 5.00
5A-00050	30333	Bi-214	0.808	0.023	0.044	1.59	0.00 - 0.50
5A-00050	30333	Bi-214	0.808	0.023	0.044	1.59	0.00 - 0.50
5A-00050	30334	Bi-214	0.748	0.02	0.041	1.59	1.00 - 5.00
5A-00050	30333	Tl-208	0.47	0.016	0.026	0.937	0.00 - 0.50
5A-00050	30333	Tl-208	0.47	0.016	0.026	0.937	0.00 - 0.50
5A-00050	30334	Tl-208	0.498	0.015	0.027	0.937	1.00 - 5.00
5A-00050	30333	Pa-231	-0.16 U	0.5	0.15	0.936	0.00 - 0.50
5A-00050	30333	Pa-231	-0.16	0.5	0.15	0.936	0.00 - 0.50
5A-00050	30334	Pa-231	0.09 U	0.45	0.14	0.936	1.00 - 5.00
5A-00050	30333	Sr-90	0.002	0.038	0.011	0.485	0.00 - 0.50
5A-00050	30333	Sr-90	0.002 U	0.038	0.011	0.485	0.00 - 0.50
5A-00050	30334	Sr-90	-0.0005 U	0.032	0.0091	0.485	1.00 - 5.00
5A-00050	30333	Sb-125	0.149 SK	0.034	0.012	0.354	0.00 - 0.50
5A-00050	30333	Sb-125	0.149	0.034	0.012	0.354	0.00 - 0.50
5A-00050	30334	Sb-125	0.027 L R	0.027	0.012	0.354	1.00 - 5.00
5A-00050	30333	Eu-155	0.088	0.03	0.013	0.231	0.00 - 0.50
5A-00050	30333	Eu-155	0.088 SK	0.03	0.013	0.231	0.00 - 0.50
5A-00050	30334	Eu-155	0.063 SK	0.028	0.012	0.231	1.00 - 5.00
5A-00050	30333	Ac-227	-0.024	0.12	0.036	0.217	0.00 - 0.50
5A-00050	30333	Ac-227	-0.024 U	0.12	0.036	0.217	0.00 - 0.50
5A-00050	30334	Ac-227	0.079	0.092	0.019	0.217	1.00 - 5.00
5A-00050	30333	Cs-137	0.048	0.0091	0.0048	0.207	0.00 - 0.50
5A-00050	30333	Cs-137	0.048	0.0091	0.0048	0.207	0.00 - 0.50
5A-00050	30334	Cs-137	-0.0044 U	0.013	0.0038	0.207	1.00 - 5.00
5A-00050	30333	U-235/236	0.0334	0.0091	0.0068	0.151	0.00 - 0.50
5A-00050	30333	U-235/236	0.0334	0.0091	0.0068	0.151	0.00 - 0.50
5A-00050	30334	U-235/236	0.0378	0.011	0.0078	0.151	1.00 - 5.00
5A-00050	30333	Eu-154	0.0162	0.084	0.0052	0.15	0.00 - 0.50
5A-00050	30333	Eu-154	0.0162 U	0.084	0.0052	0.15	0.00 - 0.50
5A-00050	30334	Eu-154	0.0009 U	0.076	0.0007	0.15	1.00 - 5.00
5A-00050	30333	Th-229	0.0095	0.0078	0.0036	0.145	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00050	30333	Th-229	0.0095	0.0078	0.0036	0.145	0.00 - 0.50
5A-00050	30334	Th-229	0.014	0.0038	0.0045	0.145	1.00 - 5.00
5A-00050	30333	Np-239	-0.007 U	0.075	0.023	0.139	0.00 - 0.50
5A-00050	30333	Np-239	-0.007	0.075	0.023	0.139	0.00 - 0.50
5A-00050	30334	Np-239	-0.012 U	0.071	0.022	0.139	1.00 - 5.00
5A-00050	30333	Cs-134	0.0102 U	0.044	0.0028	0.0864	0.00 - 0.50
5A-00050	30333	Cs-134	0.0102	0.044	0.0028	0.0864	0.00 - 0.50
5A-00050	30334	Cs-134	0.0155 U	0.036	0.0034	0.0864	1.00 - 5.00
5A-00050	30333	Te-125m	0.0343	0.0078	0.0028	0.0838	0.00 - 0.50
5A-00050	30333	Te-125m	0.0343 SK	0.0078	0.0028	0.0838	0.00 - 0.50
5A-00050	30334	Te-125m	0.0062 L R	0.0062	0.0027	0.0838	1.00 - 5.00
5A-00050	30333	Eu-152	0.0001 U	0.031	0.0094	0.0566	0.00 - 0.50
5A-00050	30333	Eu-152	0.0001	0.031	0.0094	0.0566	0.00 - 0.50
5A-00050	30334	Eu-152	0.0151 K R	0.03	0.0089	0.0566	1.00 - 5.00
5A-00050	30333	Np-236	0.006	0.021	0.0062	0.047	0.00 - 0.50
5A-00050	30333	Np-236	0.006 U	0.021	0.0062	0.047	0.00 - 0.50
5A-00050	30334	Np-236	-0.0068 U	0.027	0.008	0.047	1.00 - 5.00
5A-00050	30333	Am-241	0.0008	0.0084	0.0021	0.0454	0.00 - 0.50
5A-00050	30333	Am-241	0.0008 U	0.0084	0.0021	0.0454	0.00 - 0.50
5A-00050	30334	Am-241	0.0032	0.0058	0.002	0.0454	1.00 - 5.00
5A-00050	30333	Pu-236	-0.001 U	0.006	0.0007	0.0448	0.00 - 0.50
5A-00050	30333	Pu-236	-0.001	0.006	0.0007	0.0448	0.00 - 0.50
5A-00050	30333	Cm-243/244	0	0.0058	0.0011	0.0443	0.00 - 0.50
5A-00050	30333	Cm-243/244	0 U	0.0058	0.0011	0.0443	0.00 - 0.50
5A-00050	30334	Cm-243/244	0.0024	0.0022	0.0014	0.0443	1.00 - 5.00
5A-00050	30333	Ho-166m	0.002	0.019	0.0059	0.0432	0.00 - 0.50
5A-00050	30333	Ho-166m	0.002 U	0.019	0.0059	0.0432	0.00 - 0.50
5A-00050	30334	Ho-166m	0.0038 U J	0.019	0.0029	0.0432	1.00 - 5.00
5A-00050	30333	Pu-238	-0.0008	0.005	0.0006	0.0415	0.00 - 0.50
5A-00050	30333	Pu-238	-0.0008 U	0.005	0.0006	0.0415	0.00 - 0.50
5A-00050	30334	Pu-238	0.0023	0.0031	0.0012	0.0415	1.00 - 5.00
5A-00050	30333	Pu-239/240	0.0041	0.0019	0.0017	0.0404	0.00 - 0.50
5A-00050	30333	Pu-239/240	0.0041	0.0019	0.0017	0.0404	0.00 - 0.50
5A-00050	30334	Pu-239/240	0.0024	0.0022	0.0014	0.0404	1.00 - 5.00
5A-00050	30333	Cm-245/246	0.0033	0.003	0.0019	0.0401	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00050	30333	Cm-245/246	0.0033	0.003	0.0019	0.0401	0.00 - 0.50
5A-00050	30334	Cm-245/246	0.0023 U	0.0032	0.0017	0.0401	1.00 - 5.00
5A-00050	30333	Na-22	0.0008	0.019	0.0058	0.037	0.00 - 0.50
5A-00050	30333	Na-22	0.0008 U	0.019	0.0058	0.037	0.00 - 0.50
5A-00050	30334	Na-22	0.007	0.013	0.0039	0.037	1.00 - 5.00
5A-00050	30333	Pu-244	-0.0004	0.0041	0.0004	0.0313	0.00 - 0.50
5A-00050	30333	Pu-244	-0.0004 U	0.0041	0.0004	0.0313	0.00 - 0.50
5A-00050	30334	Pu-244	0 U	0.0022	0.0005	0.0313	1.00 - 5.00
5A-00050	30333	Cm-247/248	0	0.0029	0.0011	0.0306	0.00 - 0.50
5A-00050	30333	Cm-247/248	0 U	0.0029	0.0011	0.0306	0.00 - 0.50
5A-00050	30334	Cm-247/248	0.0035	0.0085	0.0026	0.0306	1.00 - 5.00
5A-00050	30333	Co-60	0.0011	0.012	0.0034	0.028	0.00 - 0.50
5A-00050	30333	Co-60	0.0011 U	0.012	0.0034	0.028	0.00 - 0.50
5A-00050	30334	Co-60	0.0008 U	0.013	0.0022	0.028	1.00 - 5.00
5A-00050	30333	Sn-126	0.0019	0.012	0.0037	0.0237	0.00 - 0.50
5A-00050	30333	Sn-126	0.0019 U	0.012	0.0037	0.0237	0.00 - 0.50
5A-00050	30334	Sn-126	-0.0021 U	0.012	0.0036	0.0237	1.00 - 5.00
5A-00050	30333	Nb-94	0.0036 U	0.011	0.0026	0.0214	0.00 - 0.50
5A-00050	30333	Nb-94	0.0036	0.011	0.0026	0.0214	0.00 - 0.50
5A-00050	30334	Nb-94	0.0039 U	0.01	0.0022	0.0214	1.00 - 5.00
5A-00051	30335	Cd-113m	3.4 U	31	9.4	3030	0.00 - 0.50
5A-00051	30336	Cd-113m	9 U	41	12	3030	1.00 - 2.67
5A-00051	30335	Tm-171	0.07 U	4.8	1.4	72.4	0.00 - 0.50
5A-00051	30336	Tm-171	-0.05 U	6.3	1.9	72.4	1.00 - 2.67
5A-00051	30335	K-40	22.5	0.1	0.74	32.4	0.00 - 0.50
5A-00051	30336	K-40	20.6	0.2	1	32.4	1.00 - 2.67
5A-00051	30335	Th-228	1.29	0.017	0.064	3.98	0.00 - 0.50
5A-00051	30336	Th-228	1.75	0.017	0.09	3.98	1.00 - 2.67
5A-00051	30335	Th-234	1.49 R	0.12	0.08	3.19	0.00 - 0.50
5A-00051	30336	Th-234	1.4 R	0.15	0.097	3.19	1.00 - 2.67
5A-00051	30335	Th-232	1.23	0.008	0.062	3.1	0.00 - 0.50
5A-00051	30336	Th-232	1.25	0.003	0.064	3.1	1.00 - 2.67
5A-00051	30335	Pb-212	1.38	0.021	0.073	2.69	0.00 - 0.50
5A-00051	30336	Pb-212	1.62	0.025	0.091	2.69	1.00 - 2.67
5A-00051	30335	Th-230	0.926	0.012	0.048	2.2	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00051	30336	Th-230	1.02	0.012	0.055	2.2	1.00 - 2.67
5A-00051	30335	Bi-212	0.979	0.089	0.059	2.15	0.00 - 0.50
5A-00051	30336	Bi-212	1.09	0.15	0.097	2.15	1.00 - 2.67
5A-00051	30335	U-233/234	0.721	0.011	0.041	2.02	0.00 - 0.50
5A-00051	30336	U-233/234	0.777	0.012	0.046	2.02	1.00 - 2.67
5A-00051	30335	U-238	0.756	0.008	0.043	1.8	0.00 - 0.50
5A-00051	30336	U-238	0.72	0.012	0.043	1.8	1.00 - 2.67
5A-00051	30335	Pb-214	1.05	0.02	0.038	1.7	0.00 - 0.50
5A-00051	30336	Pb-214	0.964	0.029	0.05	1.7	1.00 - 2.67
5A-00051	30335	Bi-214	0.933	0.017	0.034	1.59	0.00 - 0.50
5A-00051	30336	Bi-214	0.903	0.028	0.048	1.59	1.00 - 2.67
5A-00051	30335	Tl-208	0.436	0.013	0.017	0.937	0.00 - 0.50
5A-00051	30336	Tl-208	0.474	0.016	0.025	0.937	1.00 - 2.67
5A-00051	30335	Pa-231	0.04 U	0.45	0.14	0.936	0.00 - 0.50
5A-00051	30336	Pa-231	0.008 U	0.59	0.18	0.936	1.00 - 2.67
5A-00051	30335	Sr-90	0.04	0.056	0.018	0.485	0.00 - 0.50
5A-00051	30336	Sr-90	-0.002 U	0.049	0.014	0.485	1.00 - 2.67
5A-00051	30335	Sb-125	0.0913 JSK	0.03	0.0065	0.354	0.00 - 0.50
5A-00051	30336	Sb-125	0.124 SK	0.045	0.012	0.354	1.00 - 2.67
5A-00051	30335	Eu-155	0.057 SK	0.026	0.011	0.231	0.00 - 0.50
5A-00051	30336	Eu-155	0.072 SK	0.035	0.014	0.231	1.00 - 2.67
5A-00051	30335	Ac-227	0.051	0.075	0.027	0.217	0.00 - 0.50
5A-00051	30336	Ac-227	0.0059 U	0.15	0.0079	0.217	1.00 - 2.67
5A-00051	30335	Cs-137	0.0798	0.0086	0.005	0.207	0.00 - 0.50
5A-00051	30336	Cs-137	0.0109	0.018	0.007	0.207	1.00 - 2.67
5A-00051	30335	U-235/236	0.0516	0.0097	0.0087	0.151	0.00 - 0.50
5A-00051	30336	U-235/236	0.0481	0.0045	0.0092	0.151	1.00 - 2.67
5A-00051	30335	Eu-154	0 U	0.072	0.022	0.15	0.00 - 0.50
5A-00051	30336	Eu-154	-0.045 U	0.11	0.032	0.15	1.00 - 2.67
5A-00051	30335	Th-229	0.0121	0.0074	0.0038	0.145	0.00 - 0.50
5A-00051	30336	Th-229	0.0097	0.015	0.005	0.145	1.00 - 2.67
5A-00051	30335	Np-239	-0.013 U	0.061	0.019	0.139	0.00 - 0.50
5A-00051	30336	Np-239	0.011 U	0.091	0.027	0.139	1.00 - 2.67
5A-00051	30335	Cs-134	0.0115 U	0.036	0.0035	0.0864	0.00 - 0.50
5A-00051	30336	Cs-134	-0.0147 U J	0.02	0.0062	0.0864	1.00 - 2.67

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00051	30335	Te-125m	0.0211 JSK	0.0069	0.0015	0.0838	0.00 - 0.50
5A-00051	30336	Te-125m	0.0288 SK	0.01	0.0027	0.0838	1.00 - 2.67
5A-00051	30335	Eu-152	-0.0108 U	0.028	0.0086	0.0566	0.00 - 0.50
5A-00051	30336	Eu-152	0.013 U	0.032	0.018	0.0566	1.00 - 2.67
5A-00051	30335	Np-236	-0.0032 U	0.025	0.0075	0.047	0.00 - 0.50
5A-00051	30336	Np-236	0.0059 U	0.029	0.0089	0.047	1.00 - 2.67
5A-00051	30335	Am-241	0.0015 U	0.0054	0.0015	0.0454	0.00 - 0.50
5A-00051	30336	Am-241	0.001 U	0.0073	0.0017	0.0454	1.00 - 2.67
5A-00051	30335	Pu-236	0 U	0.0011	0.0005	0.0448	0.00 - 0.50
5A-00051	30335	Cm-243/244	0 U	0.002	0.0008	0.0443	0.00 - 0.50
5A-00051	30336	Cm-243/244	-0.002 U	0.011	0.002	0.0443	1.00 - 2.67
5A-00051	30335	Ho-166m	0.0157 SK	0.014	0.0047	0.0432	0.00 - 0.50
5A-00051	30336	Ho-166m	0.0037 U	0.026	0.0054	0.0432	1.00 - 2.67
5A-00051	30335	Pu-238	0.0004 U	0.0031	0.0008	0.0415	0.00 - 0.50
5A-00051	30336	Pu-238	0.0031	0.0078	0.0023	0.0415	1.00 - 2.67
5A-00051	30335	Pu-239/240	0.0092	0.0031	0.0021	0.0404	0.00 - 0.50
5A-00051	30336	Pu-239/240	0.0017	0.0023	0.0012	0.0404	1.00 - 2.67
5A-00051	30335	Cm-245/246	0.0009 U J	0.0097	0.002	0.0401	0.00 - 0.50
5A-00051	30336	Cm-245/246	0.0008 U	0.0022	0.0008	0.0401	1.00 - 2.67
5A-00051	30335	Na-22	-0.005 U	0.018	0.0054	0.037	0.00 - 0.50
5A-00051	30336	Na-22	-0.0023 U	0.028	0.0083	0.037	1.00 - 2.67
5A-00051	30335	Pu-244	0.0017	0.0011	0.0008	0.0313	0.00 - 0.50
5A-00051	30336	Pu-244	0.0008 U	0.0023	0.0008	0.0313	1.00 - 2.67
5A-00051	30335	Cm-247/248	0 U	0.0046	0.0014	0.0306	0.00 - 0.50
5A-00051	30336	Cm-247/248	-0.0008 U	0.0075	0.0014	0.0306	1.00 - 2.67
5A-00051	30335	Co-60	0.0015 U	0.014	0.0021	0.028	0.00 - 0.50
5A-00051	30336	Co-60	0.0048 U	0.02	0.0059	0.028	1.00 - 2.67
5A-00051	30335	Sn-126	0.0014 U	0.011	0.0034	0.0237	0.00 - 0.50
5A-00051	30336	Sn-126	0.0021 U	0.016	0.0048	0.0237	1.00 - 2.67
5A-00051	30335	Nb-94	0.0021 U	0.01	0.0031	0.0214	0.00 - 0.50
5A-00051	30336	Nb-94	0.0042 U	0.015	0.0035	0.0214	1.00 - 2.67
5A-00052	30337	Cd-113m	-24.8 U	101	33.6	3030	0.00 - 0.50
5A-00052	30338	Cd-113m	6.86 U	83.4	25.8	3030	1.00 - 5.00
5A-00052	30337	Tm-171	-6.26 U	10.9	4.37	72.4	0.00 - 0.50
5A-00052	30338	Tm-171	-2.06 U	8.44	3	72.4	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00052	30337	K-40	23.1	0.095	1.4	32.4	0.00 - 0.50
5A-00052	30338	K-40	19.9	0.0804	1.13	32.4	1.00 - 5.00
5A-00052	30337	Th-228	1.45	0.0795	0.162	3.98	0.00 - 0.50
5A-00052	30338	Th-228	1.58	0.112	0.156	3.98	1.00 - 5.00
5A-00052	30337	Th-234	1.48	0.219	0.135	3.19	0.00 - 0.50
5A-00052	30338	Th-234	1.51	0.182	0.129	3.19	1.00 - 5.00
5A-00052	30337	Th-232	1.1	0.0668	0.127	3.1	0.00 - 0.50
5A-00052	30338	Th-232	1.35	0.0658	0.133	3.1	1.00 - 5.00
5A-00052	30337	Pb-212	1.44	0.029	0.0882	2.69	0.00 - 0.50
5A-00052	30338	Pb-212	1.43	0.0223	0.0897	2.69	1.00 - 5.00
5A-00052	30337	Th-230	0.874	0.0247	0.109	2.2	0.00 - 0.50
5A-00052	30338	Th-230	0.93	0.0523	0.103	2.2	1.00 - 5.00
5A-00052	30337	Bi-212	0.75	0.116	0.0692	2.15	0.00 - 0.50
5A-00052	30338	Bi-212	0.844	0.0886	0.0595	2.15	1.00 - 5.00
5A-00052	30337	U-233/234	0.934	0.031	0.0919	2.02	0.00 - 0.50
5A-00052	30338	U-233/234	0.901	0.0393	0.101	2.02	1.00 - 5.00
5A-00052	30337	U-238	0.977	0.031	0.0952	1.8	0.00 - 0.50
5A-00052	30338	U-238	0.992	0.0167	0.108	1.8	1.00 - 5.00
5A-00052	30337	Pb-214	1.05	0.0259	0.049	1.7	0.00 - 0.50
5A-00052	30338	Pb-214	1.01	0.0208	0.0485	1.7	1.00 - 5.00
5A-00052	30337	Bi-214	0.919	0.0224	0.0419	1.59	0.00 - 0.50
5A-00052	30338	Bi-214	0.95	0.0189	0.042	1.59	1.00 - 5.00
5A-00052	30337	Tl-208	0.472	0.0135	0.0263	0.937	0.00 - 0.50
5A-00052	30338	Tl-208	0.44	0.0112	0.0238	0.937	1.00 - 5.00
5A-00052	30337	Pa-231	-0.0808 U	0.622	0.213	0.936	0.00 - 0.50
5A-00052	30338	Pa-231	0.0661 U	0.51	0.153	0.936	1.00 - 5.00
5A-00052	30337	Sr-90	-0.112 U K	0.34	0.089	0.485	0.00 - 0.50
5A-00052	30338	Sr-90	0.164 K	0.272	0.0871	0.485	1.00 - 5.00
5A-00052	30337	Sb-125	0.0043 U	0.0368	0.011	0.354	0.00 - 0.50
5A-00052	30338	Sb-125	0.0165 SK	0.0297	0.0097	0.354	1.00 - 5.00
5A-00052	30337	Eu-155	0.0657 SK	0.0548	0.0201	0.231	0.00 - 0.50
5A-00052	30338	Eu-155	0.0729 SK	0.044	0.0163	0.231	1.00 - 5.00
5A-00052	30337	Ac-227	0.0279 U	0.151	0.0449	0.217	0.00 - 0.50
5A-00052	30338	Ac-227	-0.0328 U	0.123	0.0379	0.217	1.00 - 5.00
5A-00052	30337	Cs-137	0.0725	0.0127	0.0069	0.207	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00052	30338	Cs-137	0.0031 U	0.0104	0.0035	0.207	1.00 - 5.00
5A-00052	30337	U-235/236	0.0624	0.0141	0.0186	0.151	0.00 - 0.50
5A-00052	30338	U-235/236	0.0305	0.0206	0.0154	0.151	1.00 - 5.00
5A-00052	30337	Eu-154	0.0217 U	0.08	0.0238	0.15	0.00 - 0.50
5A-00052	30338	Eu-154	-0.0171 U	0.0598	0.0214	0.15	1.00 - 5.00
5A-00052	30337	Th-229	0.0456	0.0847	0.0275	0.145	0.00 - 0.50
5A-00052	30338	Th-229	0.0213	0.0524	0.016	0.145	1.00 - 5.00
5A-00052	30337	Np-239	-0.0011 U	0.102	0.03	0.139	0.00 - 0.50
5A-00052	30338	Np-239	-0.0323 U	0.0815	0.0257	0.139	1.00 - 5.00
5A-00052	30337	Cs-134	0.0044 U	0.0128	0.0045	0.0864	0.00 - 0.50
5A-00052	30338	Cs-134	0.0032 U	0.0098	0.0033	0.0864	1.00 - 5.00
5A-00052	30337	Eu-152	-0.0229 U	0.037	0.0159	0.0566	0.00 - 0.50
5A-00052	30338	Eu-152	-0.0009 U	0.0296	0.011	0.0566	1.00 - 5.00
5A-00052	30337	Np-236	-0.016 U	0.0281	0.0101	0.047	0.00 - 0.50
5A-00052	30338	Np-236	-0.0002 U	0.0236	0.0074	0.047	1.00 - 5.00
5A-00052	30337	Am-241	0.0013 U	0.0181	0.004	0.0454	0.00 - 0.50
5A-00052	30338	Am-241	0.0085 U	0.0324	0.0091	0.0454	1.00 - 5.00
5A-00052	30337	Pu-236	0.0015 U	0.0211	0.0047	0.0448	0.00 - 0.50
5A-00052	30338	Pu-236	0.006 U	0.0257	0.0068	0.0448	1.00 - 5.00
5A-00052	30337	Cm-243/244	-0.0101 L U	0.0273	0.0047	0.0443	0.00 - 0.50
5A-00052	30338	Cm-243/244	-0.0064 U	0.0328	0.0068	0.0443	1.00 - 5.00
5A-00052	30337	Ho-166m	-0.0059 U	0.0196	0.0062	0.0432	0.00 - 0.50
5A-00052	30338	Ho-166m	0.0035 U	0.0172	0.0051	0.0432	1.00 - 5.00
5A-00052	30337	Pu-238	0.0044 U	0.0217	0.0056	0.0415	0.00 - 0.50
5A-00052	30338	Pu-238	-0.0015 U	0.0258	0.0051	0.0415	1.00 - 5.00
5A-00052	30337	Pu-239/240	0.0024	0.0065	0.0024	0.0404	0.00 - 0.50
5A-00052	30338	Pu-239/240	0.0042 U	0.0157	0.0042	0.0404	1.00 - 5.00
5A-00052	30337	Na-22	-0.0035 U	0.0178	0.0054	0.037	0.00 - 0.50
5A-00052	30338	Na-22	0.0015 U	0.0141	0.0047	0.037	1.00 - 5.00
5A-00052	30337	Pu-244	0.0048	0.0065	0.0034	0.0313	0.00 - 0.50
5A-00052	30338	Pu-244	0.0098	0.0157	0.0058	0.0313	1.00 - 5.00
5A-00052	30337	Co-60	-0.0012 U	0.0137	0.0041	0.028	0.00 - 0.50
5A-00052	30338	Co-60	0.0004 U	0.0113	0.0034	0.028	1.00 - 5.00
5A-00052	30337	Sn-126	-0.0012 U	0.0129	0.0039	0.0237	0.00 - 0.50
5A-00052	30338	Sn-126	-0.0051 U	0.0104	0.0034	0.0237	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00052	30337	Nb-94	0.0085 SK	0.0117	0.004	0.0214	0.00 - 0.50
5A-00052	30338	Nb-94	-0.0008 U	0.0097	0.0029	0.0214	1.00 - 5.00
5A-00053	30339	Cd-113m	14 U J	105	32	3030	0.00 - 0.50
5A-00053	30340	Cd-113m	-0.6 U	32	9.7	3030	1.00 - 4.00
5A-00053	30339	Tm-171	-5.78 U	13.8	4.76	72.4	0.00 - 0.50
5A-00053	30340	Tm-171	-0.2 U	5.8	1.8	72.4	1.00 - 4.00
5A-00053	30339	K-40	26	0.115	1.58	32.4	0.00 - 0.50
5A-00053	30340	K-40	21.7	0.1	1.1	32.4	1.00 - 4.00
5A-00053	30339	Th-228	1.27	0.141	0.128	3.98	0.00 - 0.50
5A-00053	30340	Th-228	1.95	0.026	0.097	3.98	1.00 - 4.00
5A-00053	30339	Th-234	1.8	0.23	0.153	3.19	0.00 - 0.50
5A-00053	30340	Th-234	0.663 R	0.13	0.056	3.19	1.00 - 4.00
5A-00053	30339	Th-232	1.07	0.0452	0.102	3.1	0.00 - 0.50
5A-00053	30340	Th-232	1.37	0.003	0.069	3.1	1.00 - 4.00
5A-00053	30339	Pb-212	1.85	0.031	0.109	2.69	0.00 - 0.50
5A-00053	30340	Pb-212	1.69	0.02	0.11	2.69	1.00 - 4.00
5A-00053	30339	Th-230	0.752	0.0663	0.0819	2.2	0.00 - 0.50
5A-00053	30340	Th-230	1.07	0.011	0.055	2.2	1.00 - 4.00
5A-00053	30339	Bi-212	1.09	0.127	0.0794	2.15	0.00 - 0.50
5A-00053	30340	Bi-212	1.07	0.11	0.083	2.15	1.00 - 4.00
5A-00053	30339	U-233/234	0.778	0.057	0.0864	2.02	0.00 - 0.50
5A-00053	30340	U-233/234	0.867	0.009	0.048	2.02	1.00 - 4.00
5A-00053	30339	U-238	0.835	0.0413	0.0903	1.8	0.00 - 0.50
5A-00053	30340	U-238	0.939	0.003	0.051	1.8	1.00 - 4.00
5A-00053	30339	Pb-214	1.16	0.0282	0.0542	1.7	0.00 - 0.50
5A-00053	30340	Pb-214	0.995	0.023	0.054	1.7	1.00 - 4.00
5A-00053	30339	Bi-214	1.19	0.0247	0.053	1.59	0.00 - 0.50
5A-00053	30340	Bi-214	0.889	0.022	0.048	1.59	1.00 - 4.00
5A-00053	30339	Tl-208	0.551	0.0168	0.0302	0.937	0.00 - 0.50
5A-00053	30340	Tl-208	0.517	0.014	0.028	0.937	1.00 - 4.00
5A-00053	30339	Pa-231	-0.136 U	0.638	0.193	0.936	0.00 - 0.50
5A-00053	30340	Pa-231	-0.05 U	0.46	0.14	0.936	1.00 - 4.00
5A-00053	30339	Sr-90	-0.0438 U K	0.163	0.0416	0.485	0.00 - 0.50
5A-00053	30340	Sr-90	0.011 U	0.052	0.015	0.485	1.00 - 4.00
5A-00053	30339	Sb-125	-0.0123 U	0.0411	0.013	0.354	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00053	30340	Sb-125	0.145 SK	0.034	0.012	0.354	1.00 - 4.00
5A-00053	30339	Eu-155	0.101 SK	0.0567	0.0274	0.231	0.00 - 0.50
5A-00053	30340	Eu-155	0.083 SK	0.029	0.013	0.231	1.00 - 4.00
5A-00053	30339	Ac-227	-0.0182 U	0.157	0.0465	0.217	0.00 - 0.50
5A-00053	30340	Ac-227	0.048 U	0.12	0.035	0.217	1.00 - 4.00
5A-00053	30339	Cs-137	0.0806	0.0142	0.0074	0.207	0.00 - 0.50
5A-00053	30340	Cs-137	0.0102	0.013	0.004	0.207	1.00 - 4.00
5A-00053	30339	U-235/236	0.0259	0.0175	0.0131	0.151	0.00 - 0.50
5A-00053	30340	U-235/236	0.0479	0.013	0.0091	0.151	1.00 - 4.00
5A-00053	30339	Eu-154	-0.0195 U	0.0855	0.0298	0.15	0.00 - 0.50
5A-00053	30340	Eu-154	-0.033 U	0.083	0.025	0.15	1.00 - 4.00
5A-00053	30339	Th-229	0.0309	0.0742	0.0223	0.145	0.00 - 0.50
5A-00053	30340	Th-229	0.0132	0.0098	0.0046	0.145	1.00 - 4.00
5A-00053	30339	Np-239	-0.0285 U	0.102	0.0307	0.139	0.00 - 0.50
5A-00053	30340	Np-239	-0.021 U	0.073	0.022	0.139	1.00 - 4.00
5A-00053	30339	Cs-134	0.002 U	0.0145	0.0049	0.0864	0.00 - 0.50
5A-00053	30340	Cs-134	0.0119 U	0.041	0.0039	0.0864	1.00 - 4.00
5A-00053	30340	Te-125m	0.0335 SK	0.0079	0.0027	0.0838	1.00 - 4.00
5A-00053	30339	Eu-152	0.0069 U	0.0394	0.0128	0.0566	0.00 - 0.50
5A-00053	30340	Eu-152	-0.0093 U	0.031	0.0093	0.0566	1.00 - 4.00
5A-00053	30339	Np-236	0.0009 U	0.029	0.0088	0.047	0.00 - 0.50
5A-00053	30340	Np-236	-0.002 U	0.026	0.0079	0.047	1.00 - 4.00
5A-00053	30339	Am-241	-0.0066 U	0.021	0.0044	0.0454	0.00 - 0.50
5A-00053	30340	Am-241	-0.0026 U	0.011	0.002	0.0454	1.00 - 4.00
5A-00053	30339	Pu-236	0.002 U	0.0149	0.0035	0.0448	0.00 - 0.50
5A-00053	30339	Cm-243/244	0.0014 U	0.01	0.0023	0.0443	0.00 - 0.50
5A-00053	30340	Cm-243/244	0.0018 U	0.0024	0.0013	0.0443	1.00 - 4.00
5A-00053	30339	Ho-166m	-0.0098 U	0.0225	0.0072	0.0432	0.00 - 0.50
5A-00053	30340	Ho-166m	0.0086 U J	0.02	0.0032	0.0432	1.00 - 4.00
5A-00053	30339	Pu-238	0.0052 U	0.0228	0.0063	0.0415	0.00 - 0.50
5A-00053	30340	Pu-238	0.0028	0.0052	0.0017	0.0415	1.00 - 4.00
5A-00053	30339	Pu-239/240	0.0086	0.0047	0.0039	0.0404	0.00 - 0.50
5A-00053	30340	Pu-239/240	0.0017 U	0.0052	0.0015	0.0404	1.00 - 4.00
5A-00053	30340	Cm-245/246	0.0047 U	0.014	0.0041	0.0401	1.00 - 4.00
5A-00053	30339	Na-22	-0.0151 U J	0.0203	0.0073	0.037	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00053	30340	Na-22	-0.0007 U	0.025	0.0074	0.037	1.00 - 4.00
5A-00053	30339	Pu-244	0.019 K	0.0127	0.0063	0.0313	0.00 - 0.50
5A-00053	30340	Pu-244	0.0006 U	0.0015	0.0006	0.0313	1.00 - 4.00
5A-00053	30340	Cm-247/248	0.0015 U	0.0041	0.0015	0.0306	1.00 - 4.00
5A-00053	30339	Co-60	-0.0058 U	0.0164	0.0052	0.028	0.00 - 0.50
5A-00053	30340	Co-60	-0.0017 U	0.016	0.0046	0.028	1.00 - 4.00
5A-00053	30339	Sn-126	-0.0061 U	0.0138	0.0044	0.0237	0.00 - 0.50
5A-00053	30340	Sn-126	-0.0006 U	0.0091	0.0027	0.0237	1.00 - 4.00
5A-00053	30339	Nb-94	0.0064 U	0.0133	0.0042	0.0214	0.00 - 0.50
5A-00053	30340	Nb-94	0.0132 SK	0.0097	0.0048	0.0214	1.00 - 4.00
5A-00054	30341	Cd-113m	-63.2 U J	110	39.3	3030	0.00 - 0.50
5A-00054	30342	Cd-113m	10.8 U	31	9.3	3030	1.00 - 5.00
5A-00054	30341	Tm-171	-2.34 U	12.4	4.68	72.4	0.00 - 0.50
5A-00054	30342	Tm-171	-2.6 U	5	1.5	72.4	1.00 - 5.00
5A-00054	30341	K-40	25.4	0.108	1.55	32.4	0.00 - 0.50
5A-00054	30342	K-40	19.9	0.1	0.97	32.4	1.00 - 5.00
5A-00054	30341	Th-228	1.48	0.119	0.141	3.98	0.00 - 0.50
5A-00054	30342	Th-228	1.68	0.017	0.083	3.98	1.00 - 5.00
5A-00054	30341	Th-234	1.79	0.248	0.165	3.19	0.00 - 0.50
5A-00054	30342	Th-234	1.39 R	0.12	0.091	3.19	1.00 - 5.00
5A-00054	30341	Th-232	0.865	0.0582	0.0897	3.1	0.00 - 0.50
5A-00054	30342	Th-232	1.16	0.009	0.058	3.1	1.00 - 5.00
5A-00054	30341	Pb-212	1.74	0.0328	0.106	2.69	0.00 - 0.50
5A-00054	30342	Pb-212	1.56	0.019	0.087	2.69	1.00 - 5.00
5A-00054	30341	Th-230	0.742	0.0463	0.081	2.2	0.00 - 0.50
5A-00054	30342	Th-230	0.953	0.002	0.049	2.2	1.00 - 5.00
5A-00054	30341	Bi-212	1.02	0.132	0.0877	2.15	0.00 - 0.50
5A-00054	30342	Bi-212	0.986	0.1	0.074	2.15	1.00 - 5.00
5A-00054	30341	U-233/234	0.828	0.0745	0.0952	2.02	0.00 - 0.50
5A-00054	30342	U-233/234	0.681	0.015	0.042	2.02	1.00 - 5.00
5A-00054	30341	U-238	0.897	0.0383	0.0994	1.8	0.00 - 0.50
5A-00054	30342	U-238	0.686	0.004	0.042	1.8	1.00 - 5.00
5A-00054	30341	Pb-214	1.11	0.0291	0.0527	1.7	0.00 - 0.50
5A-00054	30342	Pb-214	0.915	0.02	0.046	1.7	1.00 - 5.00
5A-00054	30341	Bi-214	1.05	0.0242	0.0474	1.59	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00054	30342	Bi-214	0.826	0.02	0.043	1.59	1.00 - 5.00
5A-00054	30341	Tl-208	0.531	0.0165	0.0294	0.937	0.00 - 0.50
5A-00054	30342	Tl-208	0.454	0.011	0.023	0.937	1.00 - 5.00
5A-00054	30341	Pa-231	-0.233 U	0.673	0.27	0.936	0.00 - 0.50
5A-00054	30342	Pa-231	0.02 U	0.45	0.14	0.936	1.00 - 5.00
5A-00054	30341	Sr-90	-0.037 U K	0.111	0.025	0.485	0.00 - 0.50
5A-00054	30342	Sr-90	0.015 U	0.054	0.016	0.485	1.00 - 5.00
5A-00054	30341	Sb-125	-0.0026 U	0.0419	0.0126	0.354	0.00 - 0.50
5A-00054	30342	Sb-125	0.104 SK	0.028	0.0081	0.354	1.00 - 5.00
5A-00054	30341	Eu-155	0.0815 SK	0.0602	0.0225	0.231	0.00 - 0.50
5A-00054	30342	Eu-155	0.069 SK	0.027	0.011	0.231	1.00 - 5.00
5A-00054	30341	Ac-227	0.113 J	0.168	0.0558	0.217	0.00 - 0.50
5A-00054	30342	Ac-227	0.062	0.073	0.015	0.217	1.00 - 5.00
5A-00054	30341	Cs-137	0.0834	0.0144	0.0077	0.207	0.00 - 0.50
5A-00054	30342	Cs-137	0.0007 U	0.013	0.0039	0.207	1.00 - 5.00
5A-00054	30341	U-235/236	0.0892	0.0201	0.0266	0.151	0.00 - 0.50
5A-00054	30342	U-235/236	0.0489	0.0047	0.0095	0.151	1.00 - 5.00
5A-00054	30341	Eu-154	0.0307 U	0.0883	0.0265	0.15	0.00 - 0.50
5A-00054	30342	Eu-154	0.0084 U	0.069	0.0082	0.15	1.00 - 5.00
5A-00054	30341	Th-229	-0.0189 U	0.0827	0.0167	0.145	0.00 - 0.50
5A-00054	30342	Th-229	0.0008 U	0.012	0.003	0.145	1.00 - 5.00
5A-00054	30341	Np-239	0.011 U	0.111	0.0327	0.139	0.00 - 0.50
5A-00054	30342	Np-239	0.013 U	0.064	0.019	0.139	1.00 - 5.00
5A-00054	30341	Cs-134	-0.0031 U	0.0144	0.0051	0.0864	0.00 - 0.50
5A-00054	30342	Cs-134	-0.0233 R	0.015	0.0048	0.0864	1.00 - 5.00
5A-00054	30342	Te-125m	0.024 SK	0.0064	0.0019	0.0838	1.00 - 5.00
5A-00054	30341	Eu-152	-0.0177 U	0.0405	0.0184	0.0566	0.00 - 0.50
5A-00054	30342	Eu-152	0.0005 U	0.03	0.0004	0.0566	1.00 - 5.00
5A-00054	30341	Np-236	-0.0028 U	0.031	0.0103	0.047	0.00 - 0.50
5A-00054	30342	Np-236	-0.0009 U	0.024	0.0071	0.047	1.00 - 5.00
5A-00054	30341	Am-241	0.008	0.0044	0.0036	0.0454	0.00 - 0.50
5A-00054	30342	Am-241	0.0018 U	0.0066	0.0018	0.0454	1.00 - 5.00
5A-00054	30341	Pu-236	-0.0029 U	0.0218	0.005	0.0448	0.00 - 0.50
5A-00054	30341	Cm-243/244	0 U	0.0121	0.0023	0.0443	0.00 - 0.50
5A-00054	30342	Cm-243/244	0 U	0.0025	0.0009	0.0443	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00054	30341	Ho-166m	-0.001 U	0.0228	0.0069	0.0432	0.00 - 0.50
5A-00054	30342	Ho-166m	0.0108 JSK	0.016	0.003	0.0432	1.00 - 5.00
5A-00054	30341	Pu-238	-0.005 U	0.0209	0.0047	0.0415	0.00 - 0.50
5A-00054	30342	Pu-238	0.0023	0.0062	0.0018	0.0415	1.00 - 5.00
5A-00054	30341	Pu-239/240	0.0038 U	0.0135	0.0038	0.0404	0.00 - 0.50
5A-00054	30342	Pu-239/240	0.0011 U	0.0042	0.0011	0.0404	1.00 - 5.00
5A-00054	30342	Cm-245/246	0.001 U	0.0026	0.001	0.0401	1.00 - 5.00
5A-00054	30341	Na-22	0.0135 J	0.0204	0.0072	0.037	0.00 - 0.50
5A-00054	30342	Na-22	-0.0066 U	0.018	0.0053	0.037	1.00 - 5.00
5A-00054	30341	Pu-244	0.005	0.0034	0.0025	0.0313	0.00 - 0.50
5A-00054	30342	Pu-244	0 U	0.0015	0.0006	0.0313	1.00 - 5.00
5A-00054	30342	Cm-247/248	-0.0009 U	0.0069	0.0009	0.0306	1.00 - 5.00
5A-00054	30341	Co-60	-0.0013 U	0.0158	0.0047	0.028	0.00 - 0.50
5A-00054	30342	Co-60	0.0091	0.013	0.0031	0.028	1.00 - 5.00
5A-00054	30341	Sn-126	0.0038 U	0.0143	0.0044	0.0237	0.00 - 0.50
5A-00054	30342	Sn-126	0.0091	0.0098	0.0048	0.0237	1.00 - 5.00
5A-00054	30341	Nb-94	0.0094 JSK	0.0129	0.0044	0.0214	0.00 - 0.50
5A-00054	30342	Nb-94	0.0012 U	0.01	0.0022	0.0214	1.00 - 5.00
5A-00055	30343	Cd-113m	3	42	13	3030	0.00 - 0.50
5A-00055	30343	Cd-113m	3 U	42	13	3030	0.00 - 0.50
5A-00055	30344	Cd-113m	7 U	36	11	3030	1.00 - 3.08
5A-00055	30343	Tm-171	0.8 U	5.8	1.8	72.4	0.00 - 0.50
5A-00055	30343	Tm-171	0.8	5.8	1.8	72.4	0.00 - 0.50
5A-00055	30344	Tm-171	-6.2 U J	5.8	1.8	72.4	1.00 - 3.08
5A-00055	30343	K-40	20.6	0.2	1	32.4	0.00 - 0.50
5A-00055	30343	K-40	20.6	0.2	1	32.4	0.00 - 0.50
5A-00055	30344	K-40	21	0.1	1.1	32.4	1.00 - 3.08
5A-00055	30343	Th-228	1.18	0.009	0.063	3.98	0.00 - 0.50
5A-00055	30343	Th-228	1.18	0.009	0.063	3.98	0.00 - 0.50
5A-00055	30344	Th-228	1.77	0.029	0.09	3.98	1.00 - 3.08
5A-00055	30343	Th-234	1.39 R	0.15	0.095	3.19	0.00 - 0.50
5A-00055	30343	Th-234	1.39	0.15	0.095	3.19	0.00 - 0.50
5A-00055	30344	Th-234	1.7 R	0.14	0.11	3.19	1.00 - 3.08
5A-00055	30343	Th-232	1.18	0.011	0.062	3.1	0.00 - 0.50
5A-00055	30343	Th-232	1.18	0.011	0.062	3.1	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00055	30344	Th-232	1.33	0.009	0.067	3.1	1.00 - 3.08
5A-00055	30343	Pb-212	1.53	0.024	0.086	2.69	0.00 - 0.50
5A-00055	30343	Pb-212	1.53	0.024	0.086	2.69	0.00 - 0.50
5A-00055	30344	Pb-212	1.65	0.03	0.11	2.69	1.00 - 3.08
5A-00055	30343	Th-230	0.869	0.009	0.049	2.2	0.00 - 0.50
5A-00055	30343	Th-230	0.869	0.009	0.049	2.2	0.00 - 0.50
5A-00055	30344	Th-230	1.16	0.01	0.06	2.2	1.00 - 3.08
5A-00055	30343	Bi-212	0.95	0.13	0.081	2.15	0.00 - 0.50
5A-00055	30343	Bi-212	0.95	0.13	0.081	2.15	0.00 - 0.50
5A-00055	30344	Bi-212	1.06	0.11	0.081	2.15	1.00 - 3.08
5A-00055	30343	U-233/234	0.602	0.009	0.037	2.02	0.00 - 0.50
5A-00055	30343	U-233/234	0.602	0.009	0.037	2.02	0.00 - 0.50
5A-00055	30344	U-233/234	0.932	0.003	0.052	2.02	1.00 - 3.08
5A-00055	30343	U-238	0.599	0.011	0.037	1.8	0.00 - 0.50
5A-00055	30343	U-238	0.599	0.011	0.037	1.8	0.00 - 0.50
5A-00055	30344	U-238	0.886	0.003	0.05	1.8	1.00 - 3.08
5A-00055	30343	Pb-214	0.974	0.03	0.051	1.7	0.00 - 0.50
5A-00055	30343	Pb-214	0.974	0.03	0.051	1.7	0.00 - 0.50
5A-00055	30344	Pb-214	1.16	0.023	0.062	1.7	1.00 - 3.08
5A-00055	30343	Bi-214	0.869	0.026	0.046	1.59	0.00 - 0.50
5A-00055	30343	Bi-214	0.869	0.026	0.046	1.59	0.00 - 0.50
5A-00055	30344	Bi-214	1.02	0.025	0.055	1.59	1.00 - 3.08
5A-00055	30343	Tl-208	0.477	0.021	0.027	0.937	0.00 - 0.50
5A-00055	30343	Tl-208	0.477	0.021	0.027	0.937	0.00 - 0.50
5A-00055	30344	Tl-208	0.506	0.013	0.027	0.937	1.00 - 3.08
5A-00055	30343	Pa-231	-0.04 U	0.6	0.18	0.936	0.00 - 0.50
5A-00055	30343	Pa-231	-0.04	0.6	0.18	0.936	0.00 - 0.50
5A-00055	30344	Pa-231	-0.08 U	0.51	0.15	0.936	1.00 - 3.08
5A-00055	30343	Sr-90	0.017 U	0.054	0.016	0.485	0.00 - 0.50
5A-00055	30343	Sr-90	0.017	0.054	0.016	0.485	0.00 - 0.50
5A-00055	30344	Sr-90	0.063	0.054	0.018	0.485	1.00 - 3.08
5A-00055	30343	Sb-125	0.117	0.047	0.012	0.354	0.00 - 0.50
5A-00055	30343	Sb-125	0.117 SK	0.047	0.012	0.354	0.00 - 0.50
5A-00055	30344	Sb-125	0.139 SK	0.027	0.012	0.354	1.00 - 3.08
5A-00055	30343	Eu-155	0.075 SK	0.033	0.013	0.231	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00055	30343	Eu-155	0.075	0.033	0.013	0.231	0.00 - 0.50
5A-00055	30344	Eu-155	0.089 SK	0.033	0.014	0.231	1.00 - 3.08
5A-00055	30343	Ac-227	0.044	0.15	0.057	0.217	0.00 - 0.50
5A-00055	30343	Ac-227	0.044 U	0.15	0.057	0.217	0.00 - 0.50
5A-00055	30344	Ac-227	-0.002 U	0.1	0.03	0.217	1.00 - 3.08
5A-00055	30343	Cs-137	0.0611	0.018	0.0075	0.207	0.00 - 0.50
5A-00055	30343	Cs-137	0.0611	0.018	0.0075	0.207	0.00 - 0.50
5A-00055	30344	Cs-137	0.0017 U	0.013	0.0041	0.207	1.00 - 3.08
5A-00055	30343	U-235/236	0.026	0.0041	0.0064	0.151	0.00 - 0.50
5A-00055	30343	U-235/236	0.026	0.0041	0.0064	0.151	0.00 - 0.50
5A-00055	30344	U-235/236	0.0345	0.012	0.0078	0.151	1.00 - 3.08
5A-00055	30343	Eu-154	-0.036	0.12	0.035	0.15	0.00 - 0.50
5A-00055	30343	Eu-154	-0.036 U	0.12	0.035	0.15	0.00 - 0.50
5A-00055	30344	Eu-154	-0.032 U	0.083	0.025	0.15	1.00 - 3.08
5A-00055	30343	Th-229	0.007	0.0024	0.0025	0.145	0.00 - 0.50
5A-00055	30343	Th-229	0.007	0.0024	0.0025	0.145	0.00 - 0.50
5A-00055	30344	Th-229	0.0069	0.0089	0.0032	0.145	1.00 - 3.08
5A-00055	30343	Np-239	-0.021 U	0.087	0.026	0.139	0.00 - 0.50
5A-00055	30343	Np-239	-0.021	0.087	0.026	0.139	0.00 - 0.50
5A-00055	30344	Np-239	-0.0002 U	0.076	0.023	0.139	1.00 - 3.08
5A-00055	30343	Cs-134	0.0026	0.029	0.0033	0.0864	0.00 - 0.50
5A-00055	30343	Cs-134	0.0026 U	0.029	0.0033	0.0864	0.00 - 0.50
5A-00055	30344	Cs-134	0.0177 U	0.051	0.0043	0.0864	1.00 - 3.08
5A-00055	30343	Te-125m	0.0271	0.011	0.0027	0.0838	0.00 - 0.50
5A-00055	30343	Te-125m	0.0271 SK	0.011	0.0027	0.0838	0.00 - 0.50
5A-00055	30344	Te-125m	0.0321 SK	0.0061	0.0027	0.0838	1.00 - 3.08
5A-00055	30343	Eu-152	0	0.042	0.0084	0.0566	0.00 - 0.50
5A-00055	30343	Eu-152	0 U	0.042	0.0084	0.0566	0.00 - 0.50
5A-00055	30344	Eu-152	0.004 U	0.034	0.0068	0.0566	1.00 - 3.08
5A-00055	30343	Np-236	0.0024 U	0.028	0.0085	0.047	0.00 - 0.50
5A-00055	30343	Np-236	0.0024	0.028	0.0085	0.047	0.00 - 0.50
5A-00055	30344	Np-236	0 U	0.028	0.0085	0.047	1.00 - 3.08
5A-00055	30343	Am-241	0.0032	0.0022	0.0016	0.0454	0.00 - 0.50
5A-00055	30343	Am-241	0.0032	0.0022	0.0016	0.0454	0.00 - 0.50
5A-00055	30344	Am-241	-0.0019 U	0.013	0.003	0.0454	1.00 - 3.08

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00055	30343	Pu-236	0.0018	0.0025	0.0013	0.0448	0.00 - 0.50
5A-00055	30343	Pu-236	0.0018	0.0025	0.0013	0.0448	0.00 - 0.50
5A-00055	30343	Cm-243/244	0.0008	0.0087	0.0021	0.0443	0.00 - 0.50
5A-00055	30343	Cm-243/244	0.0008 U	0.0087	0.0021	0.0443	0.00 - 0.50
5A-00055	30344	Cm-243/244	0.0009 U	0.0088	0.0021	0.0443	1.00 - 3.08
5A-00055	30343	Ho-166m	0.0104 U	0.025	0.0096	0.0432	0.00 - 0.50
5A-00055	30343	Ho-166m	0.0104	0.025	0.0096	0.0432	0.00 - 0.50
5A-00055	30344	Ho-166m	0.0032 U J	0.02	0.003	0.0432	1.00 - 3.08
5A-00055	30343	Pu-238	0.0017 U	0.0064	0.0017	0.0415	0.00 - 0.50
5A-00055	30343	Pu-238	0.0017	0.0064	0.0017	0.0415	0.00 - 0.50
5A-00055	30344	Pu-238	0.001 U	0.0037	0.001	0.0415	1.00 - 3.08
5A-00055	30343	Pu-239/240	0.0046	0.0021	0.0019	0.0404	0.00 - 0.50
5A-00055	30343	Pu-239/240	0.0046	0.0021	0.0019	0.0404	0.00 - 0.50
5A-00055	30344	Pu-239/240	0.0005 U	0.0013	0.0005	0.0404	1.00 - 3.08
5A-00055	30343	Cm-245/246	0.003	0.0027	0.0017	0.0401	0.00 - 0.50
5A-00055	30343	Cm-245/246	0.003	0.0027	0.0017	0.0401	0.00 - 0.50
5A-00055	30344	Cm-245/246	-0.0013 U	0.013	0.0013	0.0401	1.00 - 3.08
5A-00055	30343	Na-22	0.0089	0.027	0.0082	0.037	0.00 - 0.50
5A-00055	30343	Na-22	0.0089 U	0.027	0.0082	0.037	0.00 - 0.50
5A-00055	30344	Na-22	-0.0008 U	0.019	0.0057	0.037	1.00 - 3.08
5A-00055	30343	Pu-244	0.0011	0.0045	0.0012	0.0313	0.00 - 0.50
5A-00055	30343	Pu-244	0.0011 U	0.0045	0.0012	0.0313	0.00 - 0.50
5A-00055	30344	Pu-244	0.0005 U	0.0013	0.0005	0.0313	1.00 - 3.08
5A-00055	30343	Cm-247/248	0.001	0.0027	0.001	0.0306	0.00 - 0.50
5A-00055	30343	Cm-247/248	0.001 U	0.0027	0.001	0.0306	0.00 - 0.50
5A-00055	30344	Cm-247/248	0.0029 U	0.012	0.0032	0.0306	1.00 - 3.08
5A-00055	30343	Co-60	0.0045	0.02	0.0061	0.028	0.00 - 0.50
5A-00055	30343	Co-60	0.0045 U	0.02	0.0061	0.028	0.00 - 0.50
5A-00055	30344	Co-60	-0.0023 U	0.016	0.0049	0.028	1.00 - 3.08
5A-00055	30343	Sn-126	-0.0065	0.019	0.0056	0.0237	0.00 - 0.50
5A-00055	30343	Sn-126	-0.0065 U	0.019	0.0056	0.0237	0.00 - 0.50
5A-00055	30344	Sn-126	-0.0001 U	0.012	0.0035	0.0237	1.00 - 3.08
5A-00055	30343	Nb-94	0.0029 U	0.015	0.0037	0.0214	0.00 - 0.50
5A-00055	30343	Nb-94	0.0029	0.015	0.0037	0.0214	0.00 - 0.50
5A-00055	30344	Nb-94	0 U	0.012	0.0026	0.0214	1.00 - 3.08



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00056	30345	Cd-113m	1.23 U	86.9	27.4	3030	0.00 - 0.50
5A-00056	30346	Cd-113m	-5 U	35	10	3030	1.00 - 8.00
5A-00056	30345	Tm-171	-8.31 JU	8.5	3.62	72.4	0.00 - 0.50
5A-00056	30346	Tm-171	1.5 U	4.4	1.3	72.4	1.00 - 8.00
5A-00056	30345	K-40	23.4	0.0807	1.38	32.4	0.00 - 0.50
5A-00056	30346	K-40	21.1	0.1	1.1	32.4	1.00 - 8.00
5A-00056	30345	Th-228	1.39	0.13	0.147	3.98	0.00 - 0.50
5A-00056	30346	Th-228	1.83	0.026	0.091	3.98	1.00 - 8.00
5A-00056	30345	Th-234	1.62	0.18	0.123	3.19	0.00 - 0.50
5A-00056	30346	Th-234	0.384 R	0.14	0.049	3.19	1.00 - 8.00
5A-00056	30345	Th-232	1.21	0.0197	0.124	3.1	0.00 - 0.50
5A-00056	30346	Th-232	1.34	0.01	0.067	3.1	1.00 - 8.00
5A-00056	30345	Pb-212	1.48	0.0245	0.0901	2.69	0.00 - 0.50
5A-00056	30346	Pb-212	1.72	0.02	0.11	2.69	1.00 - 8.00
5A-00056	30345	Th-230	0.95	0.0878	0.107	2.2	0.00 - 0.50
5A-00056	30346	Th-230	0.95	0.007	0.05	2.2	1.00 - 8.00
5A-00056	30345	Bi-212	0.88	0.1	0.0712	2.15	0.00 - 0.50
5A-00056	30346	Bi-212	1.09	0.11	0.083	2.15	1.00 - 8.00
5A-00056	30345	U-233/234	0.878	0.0301	0.087	2.02	0.00 - 0.50
5A-00056	30346	U-233/234	0.78	0.012	0.046	2.02	1.00 - 8.00
5A-00056	30345	U-238	0.964	0.0379	0.0937	1.8	0.00 - 0.50
5A-00056	30346	U-238	0.822	0.01	0.048	1.8	1.00 - 8.00
5A-00056	30345	Pb-214	1.04	0.0224	0.0498	1.7	0.00 - 0.50
5A-00056	30346	Pb-214	0.984	0.022	0.053	1.7	1.00 - 8.00
5A-00056	30345	Bi-214	0.902	0.02	0.0405	1.59	0.00 - 0.50
5A-00056	30346	Bi-214	0.869	0.021	0.047	1.59	1.00 - 8.00
5A-00056	30345	Tl-208	0.462	0.0123	0.0246	0.937	0.00 - 0.50
5A-00056	30346	Tl-208	0.528	0.016	0.029	0.937	1.00 - 8.00
5A-00056	30345	Pa-231	-0.332 U	0.522	0.18	0.936	0.00 - 0.50
5A-00056	30346	Pa-231	0.02 U	0.48	0.14	0.936	1.00 - 8.00
5A-00056	30345	Sr-90	-0.0527 U K	0.224	0.0537	0.485	0.00 - 0.50
5A-00056	30346	Sr-90	0.025 U	0.052	0.016	0.485	1.00 - 8.00
5A-00056	30345	Sb-125	0.0011 U	0.0321	0.0094	0.354	0.00 - 0.50
5A-00056	30346	Sb-125	0.136 SK	0.035	0.011	0.354	1.00 - 8.00
5A-00056	30345	Eu-155	0.0802 SK	0.0455	0.0164	0.231	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00056	30346	Eu-155	0.08 SK	0.031	0.013	0.231	1.00 - 8.00
5A-00056	30345	Ac-227	0.0109 U	0.129	0.0394	0.217	0.00 - 0.50
5A-00056	30346	Ac-227	0.074	0.089	0.019	0.217	1.00 - 8.00
5A-00056	30345	Cs-137	0.0899	0.0111	0.0068	0.207	0.00 - 0.50
5A-00056	30346	Cs-137	-0.0005 U	0.015	0.0045	0.207	1.00 - 8.00
5A-00056	30345	U-235/236	0.0404	0.0469	0.0177	0.151	0.00 - 0.50
5A-00056	30346	U-235/236	0.0517	0.0044	0.0094	0.151	1.00 - 8.00
5A-00056	30345	Eu-154	-0.0549 JU	0.0689	0.0247	0.15	0.00 - 0.50
5A-00056	30346	Eu-154	-0.03 U	0.076	0.023	0.15	1.00 - 8.00
5A-00056	30345	Th-229	0.0732	0.0539	0.0258	0.145	0.00 - 0.50
5A-00056	30346	Th-229	0.0058	0.0031	0.0026	0.145	1.00 - 8.00
5A-00056	30345	Np-239	0.0259 U	0.0867	0.0268	0.139	0.00 - 0.50
5A-00056	30346	Np-239	0.01 U	0.076	0.023	0.139	1.00 - 8.00
5A-00056	30345	Cs-134	0.0014 U	0.0112	0.0039	0.0864	0.00 - 0.50
5A-00056	30346	Cs-134	0.0195 SK	0.037	0.005	0.0864	1.00 - 8.00
5A-00056	30346	Te-125m	0.0315 SK	0.0081	0.0025	0.0838	1.00 - 8.00
5A-00056	30345	Eu-152	-0.0324 JU	0.0321	0.0135	0.0566	0.00 - 0.50
5A-00056	30346	Eu-152	0.0071 U	0.032	0.0096	0.0566	1.00 - 8.00
5A-00056	30345	Np-236	-0.0125 U	0.0236	0.0078	0.047	0.00 - 0.50
5A-00056	30346	Np-236	-0.0008 U	0.026	0.0077	0.047	1.00 - 8.00
5A-00056	30345	Am-241	0.004	0.0055	0.0029	0.0454	0.00 - 0.50
5A-00056	30346	Am-241	0.003 U	0.012	0.0034	0.0454	1.00 - 8.00
5A-00056	30345	Pu-236	0.0047 U	0.0233	0.0061	0.0448	0.00 - 0.50
5A-00056	30345	Cm-243/244	0.0082	0.0056	0.0041	0.0443	0.00 - 0.50
5A-00056	30346	Cm-243/244	0.001 U	0.0076	0.0018	0.0443	1.00 - 8.00
5A-00056	30345	Ho-166m	0.0039 U	0.0177	0.0054	0.0432	0.00 - 0.50
5A-00056	30346	Ho-166m	0.0063 U J	0.02	0.0067	0.0432	1.00 - 8.00
5A-00056	30345	Pu-238	0.0013 U	0.0182	0.004	0.0415	0.00 - 0.50
5A-00056	30346	Pu-238	0.0038	0.0044	0.0016	0.0415	1.00 - 8.00
5A-00056	30345	Pu-239/240	0.0032 U	0.0251	0.0063	0.0404	0.00 - 0.50
5A-00056	30346	Pu-239/240	0.0014	0.0034	0.001	0.0404	1.00 - 8.00
5A-00056	30346	Cm-245/246	0.0011 U	0.0079	0.0019	0.0401	1.00 - 8.00
5A-00056	30345	Na-22	0.0058 U	0.0159	0.0056	0.037	0.00 - 0.50
5A-00056	30346	Na-22	-0.0006 U	0.019	0.0057	0.037	1.00 - 8.00
5A-00056	30345	Pu-244	0.0099	0.0147	0.0054	0.0313	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00056	30346	Pu-244	0.0005 U	0.0034	0.0008	0.0313	1.00 - 8.00
5A-00056	30346	Cm-247/248	-0.0021 U	0.0098	0.0015	0.0306	1.00 - 8.00
5A-00056	30345	Co-60	-0.0025 U	0.0125	0.0038	0.028	0.00 - 0.50
5A-00056	30346	Co-60	0.0024 U	0.014	0.0043	0.028	1.00 - 8.00
5A-00056	30345	Sn-126	-0.002 U	0.0114	0.0035	0.0237	0.00 - 0.50
5A-00056	30346	Sn-126	-0.0022 U	0.013	0.0038	0.0237	1.00 - 8.00
5A-00056	30345	Nb-94	0.0045 U	0.0104	0.0033	0.0214	0.00 - 0.50
5A-00056	30346	Nb-94	0.0073 SK	0.011	0.0024	0.0214	1.00 - 8.00
5A-00057	30347	Cd-113m	17.6 U J	118	36.5	3030	0.00 - 0.50
5A-00057	30348	Cd-113m	10.1 U	32	9.6	3030	1.00 - 5.00
5A-00057	30347	Tm-171	4.54 J	7.46	2.59	72.4	0.00 - 0.50
5A-00057	30348	Tm-171	0.4 U	4	1.2	72.4	1.00 - 5.00
5A-00057	30347	K-40	25.4	0.158	1.38	32.4	0.00 - 0.50
5A-00057	30348	K-40	21.4	0.1	1	32.4	1.00 - 5.00
5A-00057	30347	Th-228	1.56	0.116	0.144	3.98	0.00 - 0.50
5A-00057	30348	Th-228	1.45	0.015	0.073	3.98	1.00 - 5.00
5A-00057	30347	Th-234	1.79	0.19	0.128	3.19	0.00 - 0.50
5A-00057	30348	Th-234	0.436 R	0.15	0.051	3.19	1.00 - 5.00
5A-00057	30347	Th-232	1.15	0.045	0.107	3.1	0.00 - 0.50
5A-00057	30348	Th-232	1.41	0.01	0.071	3.1	1.00 - 5.00
5A-00057	30347	Pb-212	1.98	0.0339	0.11	2.69	0.00 - 0.50
5A-00057	30348	Pb-212	1.59	0.02	0.089	2.69	1.00 - 5.00
5A-00057	30347	Th-230	1	0.0737	0.0985	2.2	0.00 - 0.50
5A-00057	30348	Th-230	1.27	0.01	0.065	2.2	1.00 - 5.00
5A-00057	30347	Bi-212	1.37	0.17	0.118	2.15	0.00 - 0.50
5A-00057	30348	Bi-212	0.989	0.11	0.076	2.15	1.00 - 5.00
5A-00057	30347	U-233/234	1.04	0.0545	0.112	2.02	0.00 - 0.50
5A-00057	30348	U-233/234	1.07	0.003	0.055	2.02	1.00 - 5.00
5A-00057	30347	U-238	0.99	0.0656	0.108	1.8	0.00 - 0.50
5A-00057	30348	U-238	0.931	0.003	0.049	1.8	1.00 - 5.00
5A-00057	30347	Pb-214	1.38	0.0315	0.062	1.7	0.00 - 0.50
5A-00057	30348	Pb-214	1.01	0.021	0.051	1.7	1.00 - 5.00
5A-00057	30347	Bi-214	1.27	0.032	0.0585	1.59	0.00 - 0.50
5A-00057	30348	Bi-214	0.883	0.023	0.046	1.59	1.00 - 5.00
5A-00057	30347	Tl-208	0.598	0.0214	0.0338	0.937	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00057	30348	Tl-208	0.483	0.014	0.025	0.937	1.00 - 5.00
5A-00057	30347	Pa-231	0.0162 U	0.716	0.223	0.936	0.00 - 0.50
5A-00057	30348	Pa-231	0.35	0.4	0.12	0.936	1.00 - 5.00
5A-00057	30347	Sr-90	-0.0087 U K	0.0969	0.0258	0.485	0.00 - 0.50
5A-00057	30348	Sr-90	0.032	0.033	0.011	0.485	1.00 - 5.00
5A-00057	30347	Sb-125	0.0145 U	0.0498	0.015	0.354	0.00 - 0.50
5A-00057	30348	Sb-125	0.15 SK	0.032	0.012	0.354	1.00 - 5.00
5A-00057	30347	Eu-155	0.0869 SK	0.0511	0.0236	0.231	0.00 - 0.50
5A-00057	30348	Eu-155	0.078 SK	0.03	0.013	0.231	1.00 - 5.00
5A-00057	30347	Ac-227	-0.0205 U	0.168	0.0589	0.217	0.00 - 0.50
5A-00057	30348	Ac-227	0.077 J	0.098	0.024	0.217	1.00 - 5.00
5A-00057	30347	Cs-137	0.13	0.0183	0.0106	0.207	0.00 - 0.50
5A-00057	30348	Cs-137	0.0006 U	0.015	0.0045	0.207	1.00 - 5.00
5A-00057	30347	U-235/236	0.0616	0.0474	0.0234	0.151	0.00 - 0.50
5A-00057	30348	U-235/236	0.0543	0.0031	0.0082	0.151	1.00 - 5.00
5A-00057	30347	Eu-154	-0.0115 U	0.111	0.0383	0.15	0.00 - 0.50
5A-00057	30348	Eu-154	-0.029 U J	0.079	0.024	0.15	1.00 - 5.00
5A-00057	30347	Th-229	0.0123 U	0.0662	0.0174	0.145	0.00 - 0.50
5A-00057	30348	Th-229	0.0037	0.009	0.0027	0.145	1.00 - 5.00
5A-00057	30347	Np-239	0.0219 U	0.112	0.0346	0.139	0.00 - 0.50
5A-00057	30348	Np-239	0.004 U	0.074	0.022	0.139	1.00 - 5.00
5A-00057	30347	Cs-134	0.0062 U	0.0184	0.0064	0.0864	0.00 - 0.50
5A-00057	30348	Cs-134	0.0139 U J	0.037	0.0033	0.0864	1.00 - 5.00
5A-00057	30348	Te-125m	0.0347 SK	0.0075	0.0028	0.0838	1.00 - 5.00
5A-00057	30347	Eu-152	-0.0195 U	0.0445	0.0144	0.0566	0.00 - 0.50
5A-00057	30348	Eu-152	0.014 U	0.032	0.0088	0.0566	1.00 - 5.00
5A-00057	30347	Np-236	-0.0131 U	0.0267	0.0089	0.047	0.00 - 0.50
5A-00057	30348	Np-236	0 U	0.027	0.008	0.047	1.00 - 5.00
5A-00057	30347	Am-241	0.0125	0.0102	0.0047	0.0454	0.00 - 0.50
5A-00057	30348	Am-241	0.0019 U	0.01	0.0028	0.0454	1.00 - 5.00
5A-00057	30347	Pu-236	-0.0093 U	0.0279	0.0052	0.0448	0.00 - 0.50
5A-00057	30348	Pu-236	0.0029	0.0026	0.0017	0.0448	1.00 - 5.00
5A-00057	30347	Cm-243/244	0.0057	0.0132	0.004	0.0443	0.00 - 0.50
5A-00057	30348	Cm-243/244	-0.002 U	0.011	0.002	0.0443	1.00 - 5.00
5A-00057	30347	Ho-166m	-0.0112 U	0.0289	0.0089	0.0432	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00057	30348	Ho-166m	0.0124 SK	0.02	0.0065	0.0432	1.00 - 5.00
5A-00057	30347	Pu-238	-0.002 U	0.0186	0.0035	0.0415	0.00 - 0.50
5A-00057	30348	Pu-238	0.0036	0.0049	0.0019	0.0415	1.00 - 5.00
5A-00057	30347	Pu-239/240	0.002 U	0.0239	0.006	0.0404	0.00 - 0.50
5A-00057	30348	Pu-239/240	0.0008 U	0.0022	0.0008	0.0404	1.00 - 5.00
5A-00057	30348	Cm-245/246	0 U	0.0077	0.0015	0.0401	1.00 - 5.00
5A-00057	30347	Na-22	-0.0138 U	0.0264	0.0085	0.037	0.00 - 0.50
5A-00057	30348	Na-22	0.001 U	0.019	0.0056	0.037	1.00 - 5.00
5A-00057	30347	Pu-244	0.006	0.0054	0.0035	0.0313	0.00 - 0.50
5A-00057	30348	Pu-244	0.0008 U	0.0022	0.0008	0.0313	1.00 - 5.00
5A-00057	30348	Cm-247/248	0.001 U	0.0028	0.001	0.0306	1.00 - 5.00
5A-00057	30347	Co-60	-0.0033 U	0.0216	0.0064	0.028	0.00 - 0.50
5A-00057	30348	Co-60	0.0025 U	0.015	0.0023	0.028	1.00 - 5.00
5A-00057	30347	Sn-126	-0.0082 U	0.018	0.0057	0.0237	0.00 - 0.50
5A-00057	30348	Sn-126	0.003 U	0.0088	0.0027	0.0237	1.00 - 5.00
5A-00057	30347	Nb-94	0.0083 U	0.0177	0.0054	0.0214	0.00 - 0.50
5A-00057	30348	Nb-94	0.0059 SK	0.011	0.0034	0.0214	1.00 - 5.00
5A-00058	30349	Cd-113m	13.2	27	8.1	3030	0.00 - 0.50
5A-00058	30349	Cd-113m	13.2	27	8.1	3030	0.00 - 0.50
5A-00058	30350	Cd-113m	7 U	31	9.4	3030	1.00 - 4.00
5A-00058	30349	Tm-171	-4.5 U J	5.6	1.7	72.4	0.00 - 0.50
5A-00058	30349	Tm-171	-4.5	5.6	1.7	72.4	0.00 - 0.50
5A-00058	30350	Tm-171	-3.8 U	4.4	1.9	72.4	1.00 - 4.00
5A-00058	30349	K-40	21.2	0.1	1	32.4	0.00 - 0.50
5A-00058	30349	K-40	21.2	0.1	1	32.4	0.00 - 0.50
5A-00058	30350	K-40	22	0.09	1.1	32.4	1.00 - 4.00
5A-00058	30349	Th-228	1.27	0.014	0.065	3.98	0.00 - 0.50
5A-00058	30349	Th-228	1.27	0.014	0.065	3.98	0.00 - 0.50
5A-00058	30350	Th-228	1.21	0.008	0.063	3.98	1.00 - 4.00
5A-00058	30349	Th-234	0.78	0.15	0.064	3.19	0.00 - 0.50
5A-00058	30349	Th-234	0.78 R	0.15	0.064	3.19	0.00 - 0.50
5A-00058	30350	Th-234	1.43 R	0.12	0.097	3.19	1.00 - 4.00
5A-00058	30349	Th-232	1.22	0.014	0.063	3.1	0.00 - 0.50
5A-00058	30349	Th-232	1.22	0.014	0.063	3.1	0.00 - 0.50
5A-00058	30350	Th-232	1.27	0.008	0.065	3.1	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00058	30349	Pb-212	1.64	0.024	0.092	2.69	0.00 - 0.50
5A-00058	30349	Pb-212	1.64	0.024	0.092	2.69	0.00 - 0.50
5A-00058	30350	Pb-212	1.42	0.018	0.093	2.69	1.00 - 4.00
5A-00058	30349	Th-230	0.994	0.008	0.053	2.2	0.00 - 0.50
5A-00058	30349	Th-230	0.994	0.008	0.053	2.2	0.00 - 0.50
5A-00058	30350	Th-230	1.05	0.008	0.056	2.2	1.00 - 4.00
5A-00058	30349	Bi-212	1.05	0.14	0.09	2.15	0.00 - 0.50
5A-00058	30349	Bi-212	1.05	0.14	0.09	2.15	0.00 - 0.50
5A-00058	30350	Bi-212	0.855	0.096	0.068	2.15	1.00 - 4.00
5A-00058	30349	U-233/234	0.809	0.003	0.045	2.02	0.00 - 0.50
5A-00058	30349	U-233/234	0.809	0.003	0.045	2.02	0.00 - 0.50
5A-00058	30350	U-233/234	0.862	0.003	0.047	2.02	1.00 - 4.00
5A-00058	30349	U-238	0.772	0.003	0.043	1.8	0.00 - 0.50
5A-00058	30349	U-238	0.772	0.003	0.043	1.8	0.00 - 0.50
5A-00058	30350	U-238	0.888	0.003	0.048	1.8	1.00 - 4.00
5A-00058	30349	Pb-214	1.03	0.026	0.052	1.7	0.00 - 0.50
5A-00058	30349	Pb-214	1.03	0.026	0.052	1.7	0.00 - 0.50
5A-00058	30350	Pb-214	0.879	0.019	0.047	1.7	1.00 - 4.00
5A-00058	30349	Bi-214	0.898	0.026	0.047	1.59	0.00 - 0.50
5A-00058	30349	Bi-214	0.898	0.026	0.047	1.59	0.00 - 0.50
5A-00058	30350	Bi-214	0.776	0.021	0.043	1.59	1.00 - 4.00
5A-00058	30349	Tl-208	0.483	0.019	0.027	0.937	0.00 - 0.50
5A-00058	30349	Tl-208	0.483	0.019	0.027	0.937	0.00 - 0.50
5A-00058	30350	Tl-208	0.435	0.014	0.024	0.937	1.00 - 4.00
5A-00058	30349	Pa-231	-0.004 U	0.61	0.18	0.936	0.00 - 0.50
5A-00058	30349	Pa-231	-0.004	0.61	0.18	0.936	0.00 - 0.50
5A-00058	30350	Pa-231	0.03 U	0.46	0.11	0.936	1.00 - 4.00
5A-00058	30349	Sr-90	-0.018	0.051	0.014	0.485	0.00 - 0.50
5A-00058	30349	Sr-90	-0.018 U	0.051	0.014	0.485	0.00 - 0.50
5A-00058	30350	Sr-90	-0.004 U	0.037	0.01	0.485	1.00 - 4.00
5A-00058	30349	Sb-125	0.119 SK	0.042	0.011	0.354	0.00 - 0.50
5A-00058	30349	Sb-125	0.119	0.042	0.011	0.354	0.00 - 0.50
5A-00058	30350	Sb-125	0.131 SK	0.032	0.011	0.354	1.00 - 4.00
5A-00058	30349	Eu-155	0.075 SK	0.033	0.013	0.231	0.00 - 0.50
5A-00058	30349	Eu-155	0.075	0.033	0.013	0.231	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00058	30350	Eu-155	0.076 SK	0.027	0.012	0.231	1.00 - 4.00
5A-00058	30349	Ac-227	0.079	0.11	0.02	0.217	0.00 - 0.50
5A-00058	30349	Ac-227	0.079	0.11	0.02	0.217	0.00 - 0.50
5A-00058	30350	Ac-227	0.075 J	0.074	0.016	0.217	1.00 - 4.00
5A-00058	30349	Cs-137	0.0623	0.013	0.0069	0.207	0.00 - 0.50
5A-00058	30349	Cs-137	0.0623	0.013	0.0069	0.207	0.00 - 0.50
5A-00058	30350	Cs-137	0.0022 U	0.011	0.0035	0.207	1.00 - 4.00
5A-00058	30349	U-235/236	0.0505	0.0098	0.0087	0.151	0.00 - 0.50
5A-00058	30349	U-235/236	0.0505	0.0098	0.0087	0.151	0.00 - 0.50
5A-00058	30350	U-235/236	0.0484	0.0034	0.008	0.151	1.00 - 4.00
5A-00058	30349	Eu-154	0.008	0.11	0.017	0.15	0.00 - 0.50
5A-00058	30349	Eu-154	0.008 U	0.11	0.017	0.15	0.00 - 0.50
5A-00058	30350	Eu-154	-0.0002 U J	0.055	0.0009	0.15	1.00 - 4.00
5A-00058	30349	Th-229	0.0029	0.0086	0.0026	0.145	0.00 - 0.50
5A-00058	30349	Th-229	0.0029 U	0.0086	0.0026	0.145	0.00 - 0.50
5A-00058	30350	Th-229	0.0045 U	0.014	0.0039	0.145	1.00 - 4.00
5A-00058	30349	Np-239	-0.012 U	0.089	0.027	0.139	0.00 - 0.50
5A-00058	30349	Np-239	-0.012	0.089	0.027	0.139	0.00 - 0.50
5A-00058	30350	Np-239	0.029 U	0.07	0.021	0.139	1.00 - 4.00
5A-00058	30349	Cs-134	0.0088 U	0.053	0.0033	0.0864	0.00 - 0.50
5A-00058	30349	Cs-134	0.0088	0.053	0.0033	0.0864	0.00 - 0.50
5A-00058	30350	Cs-134	0.0144 U J	0.036	0.0029	0.0864	1.00 - 4.00
5A-00058	30349	Te-125m	0.0274	0.0098	0.0026	0.0838	0.00 - 0.50
5A-00058	30349	Te-125m	0.0274 SK	0.0098	0.0026	0.0838	0.00 - 0.50
5A-00058	30350	Te-125m	0.0303 SK	0.0073	0.0025	0.0838	1.00 - 4.00
5A-00058	30349	Eu-152	-0.012	0.041	0.012	0.0566	0.00 - 0.50
5A-00058	30349	Eu-152	-0.012 U	0.041	0.012	0.0566	0.00 - 0.50
5A-00058	30350	Eu-152	0.0001 U	0.03	0.0089	0.0566	1.00 - 4.00
5A-00058	30349	Np-236	0.0047	0.032	0.0096	0.047	0.00 - 0.50
5A-00058	30349	Np-236	0.0047 U	0.032	0.0096	0.047	0.00 - 0.50
5A-00058	30350	Np-236	-0.0019 U	0.024	0.0074	0.047	1.00 - 4.00
5A-00058	30349	Am-241	0.0042	0.0062	0.0022	0.0454	0.00 - 0.50
5A-00058	30349	Am-241	0.0042	0.0062	0.0022	0.0454	0.00 - 0.50
5A-00058	30350	Am-241	0.0009 U	0.0082	0.002	0.0454	1.00 - 4.00
5A-00058	30349	Pu-236	0.0035	0.0024	0.0018	0.0448	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00058	30349	Pu-236	0.0035	0.0024	0.0018	0.0448	0.00 - 0.50
5A-00058	30350	Pu-236	0.0009 U	0.0025	0.0009	0.0448	1.00 - 4.00
5A-00058	30349	Cm-243/244	-0.0017	0.0079	0.0012	0.0443	0.00 - 0.50
5A-00058	30349	Cm-243/244	-0.0017 U	0.0079	0.0012	0.0443	0.00 - 0.50
5A-00058	30350	Cm-243/244	0.0018 U	0.0066	0.0018	0.0443	1.00 - 4.00
5A-00058	30349	Ho-166m	0.0031 U	0.018	0.0078	0.0432	0.00 - 0.50
5A-00058	30349	Ho-166m	0.0031	0.018	0.0078	0.0432	0.00 - 0.50
5A-00058	30350	Ho-166m	-0.0028 U	0.019	0.0019	0.0432	1.00 - 4.00
5A-00058	30349	Pu-238	0.0022	0.002	0.0013	0.0415	0.00 - 0.50
5A-00058	30349	Pu-238	0.0022	0.002	0.0013	0.0415	0.00 - 0.50
5A-00058	30350	Pu-238	0.0031	0.0059	0.0019	0.0415	1.00 - 4.00
5A-00058	30349	Pu-239/240	0.003	0.002	0.0015	0.0404	0.00 - 0.50
5A-00058	30349	Pu-239/240	0.003	0.002	0.0015	0.0404	0.00 - 0.50
5A-00058	30350	Pu-239/240	0 U	0.0022	0.0005	0.0404	1.00 - 4.00
5A-00058	30349	Cm-245/246	0	0.0078	0.0015	0.0401	0.00 - 0.50
5A-00058	30349	Cm-245/246	0 U	0.0078	0.0015	0.0401	0.00 - 0.50
5A-00058	30350	Cm-245/246	0.0023 U	0.011	0.0028	0.0401	1.00 - 4.00
5A-00058	30349	Na-22	0.0154 KR	0.022	0.0068	0.037	0.00 - 0.50
5A-00058	30349	Na-22	0.0154	0.022	0.0068	0.037	0.00 - 0.50
5A-00058	30350	Na-22	-0.004 U	0.022	0.066	0.037	1.00 - 4.00
5A-00058	30349	Pu-244	0.0022	0.002	0.0013	0.0313	0.00 - 0.50
5A-00058	30349	Pu-244	0.0022	0.002	0.0013	0.0313	0.00 - 0.50
5A-00058	30350	Pu-244	0.0008 U	0.0022	0.0008	0.0313	1.00 - 4.00
5A-00058	30349	Cm-247/248	0.001	0.0028	0.001	0.0306	0.00 - 0.50
5A-00058	30349	Cm-247/248	0.001 U	0.0028	0.001	0.0306	0.00 - 0.50
5A-00058	30350	Cm-247/248	0.0011 U	0.0031	0.0011	0.0306	1.00 - 4.00
5A-00058	30349	Co-60	-0.0006	0.021	0.0009	0.028	0.00 - 0.50
5A-00058	30349	Co-60	-0.0006 U	0.021	0.0009	0.028	0.00 - 0.50
5A-00058	30350	Co-60	-0.0002 U	0.014	0.0042	0.028	1.00 - 4.00
5A-00058	30349	Sn-126	0.0039 U	0.017	0.0051	0.0237	0.00 - 0.50
5A-00058	30349	Sn-126	0.0039	0.017	0.0051	0.0237	0.00 - 0.50
5A-00058	30350	Sn-126	0.0001 U	0.013	0.0038	0.0237	1.00 - 4.00
5A-00058	30349	Nb-94	0.0017	0.013	0.003	0.0214	0.00 - 0.50
5A-00058	30349	Nb-94	0.0017 U	0.013	0.003	0.0214	0.00 - 0.50
5A-00058	30350	Nb-94	0.0027 U	0.011	0.0023	0.0214	1.00 - 4.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00059	30351	Cd-113m	5 U	37	11	3030	0.00 - 0.50
5A-00059	30352	Cd-113m	-1 U	33	9.9	3030	1.00 - 4.00
5A-00059	30351	Tm-171	2.8	5.2	1.6	72.4	0.00 - 0.50
5A-00059	30352	Tm-171	0.5 U	3.8	1.2	72.4	1.00 - 4.00
5A-00059	30351	K-40	20.7	0.13	0.62	32.4	0.00 - 0.50
5A-00059	30352	K-40	21.6	0.1	1.1	32.4	1.00 - 4.00
5A-00059	30351	Th-228	1.23	0.012	0.062	3.98	0.00 - 0.50
5A-00059	30352	Th-228	1.24	0.016	0.062	3.98	1.00 - 4.00
5A-00059	30351	Th-234	0.643 R	0.15	0.051	3.19	0.00 - 0.50
5A-00059	30352	Th-234	1.45 R	0.13	0.1	3.19	1.00 - 4.00
5A-00059	30351	Th-232	1.14	0.006	0.058	3.1	0.00 - 0.50
5A-00059	30352	Th-232	1.22	0.007	0.061	3.1	1.00 - 4.00
5A-00059	30351	Pb-212	1.42	0.021	0.058	2.69	0.00 - 0.50
5A-00059	30352	Pb-212	1.53	0.02	0.0998	2.69	1.00 - 4.00
5A-00059	30351	Th-230	0.973	0.007	0.05	2.2	0.00 - 0.50
5A-00059	30352	Th-230	0.986	0.01	0.051	2.2	1.00 - 4.00
5A-00059	30351	Bi-212	0.929	0.14	0.083	2.15	0.00 - 0.50
5A-00059	30352	Bi-212	0.971	0.1	0.075	2.15	1.00 - 4.00
5A-00059	30351	U-233/234	0.774	0.011	0.044	2.02	0.00 - 0.50
5A-00059	30352	U-233/234	1.01	0.01	0.057	2.02	1.00 - 4.00
5A-00059	30351	U-238	0.773	0.008	0.044	1.8	0.00 - 0.50
5A-00059	30352	U-238	0.914	0.01	0.053	1.8	1.00 - 4.00
5A-00059	30351	Pb-214	1.04	0.025	0.035	1.7	0.00 - 0.50
5A-00059	30352	Pb-214	0.874	0.023	0.047	1.7	1.00 - 4.00
5A-00059	30351	Bi-214	0.937	0.026	0.033	1.59	0.00 - 0.50
5A-00059	30352	Bi-214	0.787	0.02	0.043	1.59	1.00 - 4.00
5A-00059	30351	Tl-208	0.45	0.017	0.017	0.937	0.00 - 0.50
5A-00059	30352	Tl-208	0.447	0.015	0.025	0.937	1.00 - 4.00
5A-00059	30351	Pa-231	0.147 U	0.56	0.082	0.936	0.00 - 0.50
5A-00059	30352	Pa-231	0.08 U	0.5	0.15	0.936	1.00 - 4.00
5A-00059	30351	Sr-90	-0.006 U	0.067	0.019	0.485	0.00 - 0.50
5A-00059	30352	Sr-90	-0.0133 U	0.033	0.009	0.485	1.00 - 4.00
5A-00059	30351	Sb-125	0.123 JSK	0.042	0.0099	0.354	0.00 - 0.50
5A-00059	30352	Sb-125	0.113 SK	0.033	0.0092	0.354	1.00 - 4.00
5A-00059	30351	Eu-155	0.0051 U	0.032	0.0097	0.231	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00059	30352	Eu-155	0.082 SK	0.03	0.013	0.231	1.00 - 4.00
5A-00059	30351	Ac-227	0.033 U	0.14	0.045	0.217	0.00 - 0.50
5A-00059	30352	Ac-227	0.35 JRZ	0.12	0.023	0.217	1.00 - 4.00
5A-00059	30351	Cs-137	0.0744	0.016	0.007	0.207	0.00 - 0.50
5A-00059	30352	Cs-137	0.004 U	0.0084	0.0026	0.207	1.00 - 4.00
5A-00059	30351	U-235/236	0.0312	0.01	0.0071	0.151	0.00 - 0.50
5A-00059	30352	U-235/236	0.06	0.013	0.011	0.151	1.00 - 4.00
5A-00059	30351	Eu-154	-0.05 U	0.11	0.032	0.15	0.00 - 0.50
5A-00059	30352	Eu-154	0.0005 U J	0.061	0.0011	0.15	1.00 - 4.00
5A-00059	30351	Th-229	0.0047	0.013	0.0038	0.145	0.00 - 0.50
5A-00059	30352	Th-229	0.0108	0.0066	0.0034	0.145	1.00 - 4.00
5A-00059	30351	Np-239	-0.002 U	0.085	0.026	0.139	0.00 - 0.50
5A-00059	30352	Np-239	-0.012 U	0.073	0.022	0.139	1.00 - 4.00
5A-00059	30351	Cs-134	-0.0147 U J	0.017	0.0052	0.0864	0.00 - 0.50
5A-00059	30352	Cs-134	0.0129 U J	0.043	0.0047	0.0864	1.00 - 4.00
5A-00059	30351	Te-125m	0.0283 JSK	0.0098	0.0023	0.0838	0.00 - 0.50
5A-00059	30352	Te-125m	0.0261 SK	0.0075	0.0021	0.0838	1.00 - 4.00
5A-00059	30351	Eu-152	0.005 U	0.035	0.018	0.0566	0.00 - 0.50
5A-00059	30352	Eu-152	0.0002 U	0.032	0.0095	0.0566	1.00 - 4.00
5A-00059	30351	Np-236	-0.0056 U	0.028	0.0085	0.047	0.00 - 0.50
5A-00059	30352	Np-236	-0.0012 U	0.027	0.008	0.047	1.00 - 4.00
5A-00059	30351	Am-241	0.0019 U	0.0088	0.0024	0.0454	0.00 - 0.50
5A-00059	30352	Am-241	0 U	0.0066	0.0014	0.0454	1.00 - 4.00
5A-00059	30351	Pu-236	-0.0009 U	0.0054	0.0012	0.0448	0.00 - 0.50
5A-00059	30352	Pu-236	-0.0011 U	0.0067	0.0008	0.0448	1.00 - 4.00
5A-00059	30351	Cm-243/244	0.0037	0.01	0.0031	0.0443	0.00 - 0.50
5A-00059	30352	Cm-243/244	0.0007 U	0.0052	0.0012	0.0443	1.00 - 4.00
5A-00059	30351	Ho-166m	0.0087 U	0.026	0.0066	0.0432	0.00 - 0.50
5A-00059	30352	Ho-166m	0.002 U	0.02	0.0017	0.0432	1.00 - 4.00
5A-00059	30351	Pu-238	0.0009 U	0.0048	0.0013	0.0415	0.00 - 0.50
5A-00059	30352	Pu-238	0.0024	0.0022	0.0014	0.0415	1.00 - 4.00
5A-00059	30351	Pu-239/240	0.0099	0.0033	0.0022	0.0404	0.00 - 0.50
5A-00059	30352	Pu-239/240	0.0008 U	0.0022	0.0008	0.0404	1.00 - 4.00
5A-00059	30351	Cm-245/246	0 U J	0.0057	0.0017	0.0401	0.00 - 0.50
5A-00059	30352	Cm-245/246	0 U	0.011	0.0023	0.0401	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00059	30351	Na-22	0 U	0.024	0.0071	0.037	0.00 - 0.50
5A-00059	30352	Na-22	0.0003 U	0.017	0.005	0.037	1.00 - 4.00
5A-00059	30351	Pu-244	0.0009 U	0.0012	0.0006	0.0313	0.00 - 0.50
5A-00059	30352	Pu-244	0.0003 U	0.0047	0.0009	0.0313	1.00 - 4.00
5A-00059	30351	Cm-247/248	0.001 U	0.011	0.0024	0.0306	0.00 - 0.50
5A-00059	30352	Cm-247/248	0.0011 U	0.0031	0.0011	0.0306	1.00 - 4.00
5A-00059	30351	Co-60	0.0027 U	0.015	0.003	0.028	0.00 - 0.50
5A-00059	30352	Co-60	-0.0013 U	0.015	0.0046	0.028	1.00 - 4.00
5A-00059	30351	Sn-126	0.0042 U	0.016	0.0047	0.0237	0.00 - 0.50
5A-00059	30352	Sn-126	0.0035 U	0.013	0.0038	0.0237	1.00 - 4.00
5A-00059	30351	Nb-94	0.0098 SK	0.013	0.004	0.0214	0.00 - 0.50
5A-00059	30352	Nb-94	0.0035 U	0.011	0.0034	0.0214	1.00 - 4.00
5A-00060	30353	Cd-113m	33.1 U	124	38.4	3030	0.00 - 0.50
5A-00060	30354	Cd-113m	-7.97 U	73.7	22.7	3030	1.00 - 5.00
5A-00060	30353	Tm-171	-3.78 U	12	4.15	72.4	0.00 - 0.50
5A-00060	30354	Tm-171	-1.88 U	7.54	2.65	72.4	1.00 - 5.00
5A-00060	30353	K-40	21.9	0.141	1.24	32.4	0.00 - 0.50
5A-00060	30354	K-40	20.8	0.0743	1.21	32.4	1.00 - 5.00
5A-00060	30353	Th-228	1.56	0.112	0.145	3.98	0.00 - 0.50
5A-00060	30354	Th-228	1.89	0.0674	0.185	3.98	1.00 - 5.00
5A-00060	30353	Th-234	1.58	0.245	0.144	3.19	0.00 - 0.50
5A-00060	30354	Th-234	1.53	0.162	0.122	3.19	1.00 - 5.00
5A-00060	30353	Th-232	1.21	0.0416	0.113	3.1	0.00 - 0.50
5A-00060	30354	Th-232	1.61	0.0875	0.16	3.1	1.00 - 5.00
5A-00060	30353	Pb-212	1.63	0.0344	0.0946	2.69	0.00 - 0.50
5A-00060	30354	Pb-212	1.43	0.0201	0.086	2.69	1.00 - 5.00
5A-00060	30353	Th-230	1.09	0.0681	0.105	2.2	0.00 - 0.50
5A-00060	30354	Th-230	1.17	0.0221	0.126	2.2	1.00 - 5.00
5A-00060	30353	Bi-212	0.987	0.163	0.0807	2.15	0.00 - 0.50
5A-00060	30354	Bi-212	0.868	0.081	0.0606	2.15	1.00 - 5.00
5A-00060	30353	U-233/234	0.926	0.059	0.0992	2.02	0.00 - 0.50
5A-00060	30354	U-233/234	1.05	0.0372	0.106	2.02	1.00 - 5.00
5A-00060	30353	U-238	0.998	0.0345	0.104	1.8	0.00 - 0.50
5A-00060	30354	U-238	1.02	0.0137	0.103	1.8	1.00 - 5.00
5A-00060	30353	Pb-214	1.2	0.0336	0.0561	1.7	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00060	30354	Pb-214	0.989	0.0193	0.0462	1.7	1.00 - 5.00
5A-00060	30353	Bi-214	1.14	0.0301	0.0542	1.59	0.00 - 0.50
5A-00060	30354	Bi-214	0.901	0.0173	0.0399	1.59	1.00 - 5.00
5A-00060	30353	Tl-208	0.527	0.0196	0.0311	0.937	0.00 - 0.50
5A-00060	30354	Tl-208	0.442	0.01	0.0235	0.937	1.00 - 5.00
5A-00060	30353	Pa-231	0.136 U	0.756	0.233	0.936	0.00 - 0.50
5A-00060	30354	Pa-231	-0.0436 U	0.461	0.143	0.936	1.00 - 5.00
5A-00060	30353	Sr-90	-0.0593 U K	0.26	0.0646	0.485	0.00 - 0.50
5A-00060	30354	Sr-90	-0.0144 U	0.314	0.0852	0.485	1.00 - 5.00
5A-00060	30353	Sb-125	0.0222 U	0.0491	0.0155	0.354	0.00 - 0.50
5A-00060	30354	Sb-125	0.0053 U	0.0266	0.0078	0.354	1.00 - 5.00
5A-00060	30353	Eu-155	0.112 SK	0.0602	0.0256	0.231	0.00 - 0.50
5A-00060	30354	Eu-155	0.0751 SK	0.0388	0.0182	0.231	1.00 - 5.00
5A-00060	30353	Ac-227	-0.0918 U	0.179	0.058	0.217	0.00 - 0.50
5A-00060	30354	Ac-227	-0.0585 U	0.111	0.037	0.217	1.00 - 5.00
5A-00060	30353	Cs-137	0.0551	0.0176	0.0088	0.207	0.00 - 0.50
5A-00060	30354	Cs-137	0.0021 U	0.0099	0.0034	0.207	1.00 - 5.00
5A-00060	30353	U-235/236	0.0688	0.0426	0.0233	0.151	0.00 - 0.50
5A-00060	30354	U-235/236	0.0749	0.0169	0.0223	0.151	1.00 - 5.00
5A-00060	30353	Eu-154	-0.0427 U	0.108	0.0348	0.15	0.00 - 0.50
5A-00060	30354	Eu-154	0.0317 J	0.0576	0.0203	0.15	1.00 - 5.00
5A-00060	30353	Th-229	0.0284	0.0682	0.0206	0.145	0.00 - 0.50
5A-00060	30354	Th-229	-0.0163 U	0.115	0.0258	0.145	1.00 - 5.00
5A-00060	30353	Np-239	0.0171 U	0.119	0.0352	0.139	0.00 - 0.50
5A-00060	30354	Np-239	-0.0113 U	0.0739	0.0227	0.139	1.00 - 5.00
5A-00060	30353	Cs-134	0.0062 U	0.0174	0.0059	0.0864	0.00 - 0.50
5A-00060	30354	Cs-134	-0.0001 U	0.0091	0.0031	0.0864	1.00 - 5.00
5A-00060	30353	Eu-152	-0.0178 U	0.0456	0.0156	0.0566	0.00 - 0.50
5A-00060	30354	Eu-152	0.0022 U	0.0272	0.0089	0.0566	1.00 - 5.00
5A-00060	30353	Np-236	0.0055 U	0.0318	0.0098	0.047	0.00 - 0.50
5A-00060	30354	Np-236	-0.0124 U	0.0204	0.007	0.047	1.00 - 5.00
5A-00060	30353	Am-241	-0.0001 U	0.0299	0.0066	0.0454	0.00 - 0.50
5A-00060	30354	Am-241	0.006	0.0081	0.0042	0.0454	1.00 - 5.00
5A-00060	30353	Pu-236	0.0019 U	0.0215	0.0043	0.0448	0.00 - 0.50
5A-00060	30354	Pu-236	0.0016	0.0042	0.0016	0.0448	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00060	30353	Cm-243/244	0.014	0.0285	0.009	0.0443	0.00 - 0.50
5A-00060	30354	Cm-243/244	0.0075 U	0.0232	0.0066	0.0443	1.00 - 5.00
5A-00060	30353	Ho-166m	0.0066 U	0.0287	0.0085	0.0432	0.00 - 0.50
5A-00060	30354	Ho-166m	0.0038 U	0.0156	0.0048	0.0432	1.00 - 5.00
5A-00060	30353	Pu-238	-0.0018 U	0.0193	0.0039	0.0415	0.00 - 0.50
5A-00060	30354	Pu-238	-0.0014 U	0.0103	0.002	0.0415	1.00 - 5.00
5A-00060	30353	Pu-239/240	0.0017 U	0.0265	0.0057	0.0404	0.00 - 0.50
5A-00060	30354	Pu-239/240	0.0042 U	0.015	0.0042	0.0404	1.00 - 5.00
5A-00060	30353	Na-22	-0.0166 U	0.0245	0.0085	0.037	0.00 - 0.50
5A-00060	30354	Na-22	0.0075 J	0.0134	0.0048	0.037	1.00 - 5.00
5A-00060	30353	Pu-244	-0.0052 U	0.0265	0.0046	0.0313	0.00 - 0.50
5A-00060	30354	Pu-244	0.0223	0.0038	0.0057	0.0313	1.00 - 5.00
5A-00060	30353	Co-60	-0.003 U	0.0203	0.006	0.028	0.00 - 0.50
5A-00060	30354	Co-60	0.0057 J	0.0111	0.0035	0.028	1.00 - 5.00
5A-00060	30353	Sn-126	0.0063 U	0.0189	0.0057	0.0237	0.00 - 0.50
5A-00060	30354	Sn-126	0.0019 U	0.0098	0.003	0.0237	1.00 - 5.00
5A-00060	30353	Nb-94	0.0011 U	0.016	0.0047	0.0214	0.00 - 0.50
5A-00060	30354	Nb-94	0.0067 SK	0.0089	0.0031	0.0214	1.00 - 5.00
5A-00061	30355	Cd-113m	0 U	44	8.6	3030	0.00 - 0.50
5A-00061	30356	Cd-113m	12 U	34	10	3030	1.00 - 5.00
5A-00061	30355	Tm-171	-13 U J	9.2	2.9	72.4	0.00 - 0.50
5A-00061	30356	Tm-171	-3.4 U J	5	1.5	72.4	1.00 - 5.00
5A-00061	30355	K-40	20.7	0.1	0.62	32.4	0.00 - 0.50
5A-00061	30356	K-40	21.3	0.1	1.1	32.4	1.00 - 5.00
5A-00061	30355	Th-228	1.37	0.015	0.068	3.98	0.00 - 0.50
5A-00061	30356	Th-228	1.42	0.015	0.071	3.98	1.00 - 5.00
5A-00061	30355	Th-234	1.36 R	0.2	0.078	3.19	0.00 - 0.50
5A-00061	30356	Th-234	1.68 R	0.14	0.11	3.19	1.00 - 5.00
5A-00061	30355	Th-232	1.27	0.003	0.064	3.1	0.00 - 0.50
5A-00061	30356	Th-232	1.39	0.003	0.07	3.1	1.00 - 5.00
5A-00061	30355	Pb-212	1.27	0.034	0.041	2.69	0.00 - 0.50
5A-00061	30356	Pb-212	1.54	0.03	0.1	2.69	1.00 - 5.00
5A-00061	30355	Th-230	0.997	0.009	0.052	2.2	0.00 - 0.50
5A-00061	30356	Th-230	1.2	0.01	0.062	2.2	1.00 - 5.00
5A-00061	30355	Bi-212	0.993	0.12	0.072	2.15	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00061	30356	Bi-212	1.06	0.11	0.084	2.15	1.00 - 5.00
5A-00061	30355	U-233/234	0.882	0.016	0.05	2.02	0.00 - 0.50
5A-00061	30356	U-233/234	0.901	0.003	0.048	2.02	1.00 - 5.00
5A-00061	30355	U-238	0.848	0.01	0.049	1.8	0.00 - 0.50
5A-00061	30356	U-238	0.898	0.009	0.048	1.8	1.00 - 5.00
5A-00061	30355	Pb-214	1.07	0.025	0.045	1.7	0.00 - 0.50
5A-00061	30356	Pb-214	0.949	0.022	0.051	1.7	1.00 - 5.00
5A-00061	30355	Bi-214	1.03	0.025	0.036	1.59	0.00 - 0.50
5A-00061	30356	Bi-214	0.85	0.023	0.046	1.59	1.00 - 5.00
5A-00061	30355	Tl-208	0.503	0.016	0.018	0.937	0.00 - 0.50
5A-00061	30356	Tl-208	0.504	0.014	0.027	0.937	1.00 - 5.00
5A-00061	30355	Pa-231	-0.02 U	0.48	0.14	0.936	0.00 - 0.50
5A-00061	30356	Pa-231	0.02 U	0.51	0.15	0.936	1.00 - 5.00
5A-00061	30355	Sr-90	0.033 U	0.066	0.02	0.485	0.00 - 0.50
5A-00061	30356	Sr-90	0.006 U	0.041	0.012	0.485	1.00 - 5.00
5A-00061	30355	Sb-125	0.153 JSK	0.042	0.012	0.354	0.00 - 0.50
5A-00061	30356	Sb-125	0.112 SK	0.035	0.0088	0.354	1.00 - 5.00
5A-00061	30355	Eu-155	0.082 SK	0.043	0.017	0.231	0.00 - 0.50
5A-00061	30356	Eu-155	0.065 SK	0.029	0.012	0.231	1.00 - 5.00
5A-00061	30355	Ac-227	0.022 U	0.15	0.044	0.217	0.00 - 0.50
5A-00061	30356	Ac-227	0.365 JRZ	0.12	0.024	0.217	1.00 - 5.00
5A-00061	30355	Cs-137	0.0495	0.012	0.0058	0.207	0.00 - 0.50
5A-00061	30356	Cs-137	0.0057	0.0098	0.003	0.207	1.00 - 5.00
5A-00061	30355	U-235/236	0.055	0.012	0.01	0.151	0.00 - 0.50
5A-00061	30356	U-235/236	0.0534	0.0034	0.0085	0.151	1.00 - 5.00
5A-00061	30355	Eu-154	0 U	0.088	0.013	0.15	0.00 - 0.50
5A-00061	30356	Eu-154	-0.014 U J	0.084	0.025	0.15	1.00 - 5.00
5A-00061	30355	Th-229	0.0113	0.0093	0.0043	0.145	0.00 - 0.50
5A-00061	30356	Th-229	0.0056	0.01	0.0033	0.145	1.00 - 5.00
5A-00061	30355	Np-239	-0.013 U	0.093	0.028	0.139	0.00 - 0.50
5A-00061	30356	Np-239	-0.002 U	0.078	0.023	0.139	1.00 - 5.00
5A-00061	30355	Cs-134	0.0151 U	0.058	0.0041	0.0864	0.00 - 0.50
5A-00061	30356	Cs-134	0.0181 U J	0.045	0.004	0.0864	1.00 - 5.00
5A-00061	30355	Te-125m	0.0353 JSK	0.0097	0.0028	0.0838	0.00 - 0.50
5A-00061	30356	Te-125m	0.0259 SK	0.0081	0.002	0.0838	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00061	30355	Eu-152	-0.013 U	0.039	0.012	0.0566	0.00 - 0.50
5A-00061	30356	Eu-152	0.0024 U	0.033	0.0021	0.0566	1.00 - 5.00
5A-00061	30355	Np-236	-0.007 U	0.036	0.011	0.047	0.00 - 0.50
5A-00061	30356	Np-236	-0.0055 U	0.027	0.0082	0.047	1.00 - 5.00
5A-00061	30355	Am-241	0.0035 U	0.011	0.0032	0.0454	0.00 - 0.50
5A-00061	30356	Am-241	-0.0057 U	0.017	0.0036	0.0454	1.00 - 5.00
5A-00061	30355	Pu-236	0.0005 U	0.0051	0.0013	0.0448	0.00 - 0.50
5A-00061	30356	Pu-236	-0.0011 U	0.0064	0.0008	0.0448	1.00 - 5.00
5A-00061	30355	Cm-243/244	0 U	0.0083	0.0017	0.0443	0.00 - 0.50
5A-00061	30356	Cm-243/244	0 U	0.012	0.0027	0.0443	1.00 - 5.00
5A-00061	30355	Ho-166m	0.019 SK	0.018	0.0092	0.0432	0.00 - 0.50
5A-00061	30356	Ho-166m	0.0035 U	0.02	0.002	0.0432	1.00 - 5.00
5A-00061	30355	Pu-238	0.0009 U	0.0057	0.0016	0.0415	0.00 - 0.50
5A-00061	30356	Pu-238	0.0023	0.0021	0.0013	0.0415	1.00 - 5.00
5A-00061	30355	Pu-239/240	0.0024	0.0044	0.0015	0.0404	0.00 - 0.50
5A-00061	30356	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	1.00 - 5.00
5A-00061	30355	Cm-245/246	0.001 U J	0.011	0.0022	0.0401	0.00 - 0.50
5A-00061	30356	Cm-245/246	0.0049	0.0045	0.0029	0.0401	1.00 - 5.00
5A-00061	30355	Na-22	0.0001 U	0.021	0.0061	0.037	0.00 - 0.50
5A-00061	30356	Na-22	0 U	0.019	0.0057	0.037	1.00 - 5.00
5A-00061	30355	Pu-244	0.0033	0.0013	0.0013	0.0313	0.00 - 0.50
5A-00061	30356	Pu-244	0.0015	0.0021	0.0011	0.0313	1.00 - 5.00
5A-00061	30355	Cm-247/248	0.0038	0.0051	0.0027	0.0306	0.00 - 0.50
5A-00061	30356	Cm-247/248	0.0016 U	0.0044	0.0016	0.0306	1.00 - 5.00
5A-00061	30355	Co-60	-0.0035 U	0.017	0.0052	0.028	0.00 - 0.50
5A-00061	30356	Co-60	-0.0055 U	0.016	0.0047	0.028	1.00 - 5.00
5A-00061	30355	Sn-126	0.0022 U	0.015	0.0046	0.0237	0.00 - 0.50
5A-00061	30356	Sn-126	-0.0034 U	0.013	0.0039	0.0237	1.00 - 5.00
5A-00061	30355	Nb-94	0.0072 SK	0.013	0.004	0.0214	0.00 - 0.50
5A-00061	30356	Nb-94	0.0059 SK	0.011	0.0034	0.0214	1.00 - 5.00
5A-00062	30357	Cd-113m	1	38	12	3030	0.00 - 0.50
5A-00062	30357	Cd-113m	1 U	38	12	3030	0.00 - 0.50
5A-00062	30357	Tm-171	-6.9	5.8	1.8	72.4	0.00 - 0.50
5A-00062	30357	Tm-171	-6.9 U J	5.8	1.8	72.4	0.00 - 0.50
5A-00062	30357	K-40	22	0.1	1.1	32.4	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00062	30357	K-40	22	0.1	1.1	32.4	0.00 - 0.50
5A-00062	30357	Th-228	1.23	0.015	0.064	3.98	0.00 - 0.50
5A-00062	30357	Th-228	1.23	0.015	0.064	3.98	0.00 - 0.50
5A-00062	30357	Th-234	1.67	0.14	0.11	3.19	0.00 - 0.50
5A-00062	30357	Th-234	1.67 R	0.14	0.11	3.19	0.00 - 0.50
5A-00062	30357	Th-232	1.24	0.003	0.063	3.1	0.00 - 0.50
5A-00062	30357	Th-232	1.24	0.003	0.063	3.1	0.00 - 0.50
5A-00062	30357	Pb-212	1.9	0.02	0.12	2.69	0.00 - 0.50
5A-00062	30357	Pb-212	1.9	0.02	0.12	2.69	0.00 - 0.50
5A-00062	30357	Th-230	1.13	0.01	0.059	2.2	0.00 - 0.50
5A-00062	30357	Th-230	1.13	0.01	0.059	2.2	0.00 - 0.50
5A-00062	30357	Bi-212	1.16	0.13	0.092	2.15	0.00 - 0.50
5A-00062	30357	Bi-212	1.16	0.13	0.092	2.15	0.00 - 0.50
5A-00062	30357	U-233/234	0.775	0.009	0.042	2.02	0.00 - 0.50
5A-00062	30357	U-233/234	0.775	0.009	0.042	2.02	0.00 - 0.50
5A-00062	30357	U-238	0.826	0.002	0.044	1.8	0.00 - 0.50
5A-00062	30357	U-238	0.826	0.002	0.044	1.8	0.00 - 0.50
5A-00062	30357	Pb-214	1.17	0.027	0.064	1.7	0.00 - 0.50
5A-00062	30357	Pb-214	1.17	0.027	0.064	1.7	0.00 - 0.50
5A-00062	30357	Bi-214	1.04	0.026	0.057	1.59	0.00 - 0.50
5A-00062	30357	Bi-214	1.04	0.026	0.057	1.59	0.00 - 0.50
5A-00062	30357	Tl-208	0.544	0.019	0.031	0.937	0.00 - 0.50
5A-00062	30357	Tl-208	0.544	0.019	0.031	0.937	0.00 - 0.50
5A-00062	30357	Pa-231	-0.07 U	0.56	0.17	0.936	0.00 - 0.50
5A-00062	30357	Pa-231	-0.07	0.56	0.17	0.936	0.00 - 0.50
5A-00062	30357	Sr-90	0.017	0.047	0.014	0.485	0.00 - 0.50
5A-00062	30357	Sr-90	0.017 U	0.047	0.014	0.485	0.00 - 0.50
5A-00062	30357	Sb-125	0.147 SK	0.041	0.012	0.354	0.00 - 0.50
5A-00062	30357	Sb-125	0.147	0.041	0.012	0.354	0.00 - 0.50
5A-00062	30357	Eu-155	0.082 SK	0.035	0.015	0.231	0.00 - 0.50
5A-00062	30357	Eu-155	0.082	0.035	0.015	0.231	0.00 - 0.50
5A-00062	30357	Ac-227	0.037	0.13	0.041	0.217	0.00 - 0.50
5A-00062	30357	Ac-227	0.037 U	0.13	0.041	0.217	0.00 - 0.50
5A-00062	30357	Cs-137	0.0602	0.01	0.0057	0.207	0.00 - 0.50
5A-00062	30357	Cs-137	0.0602	0.01	0.0057	0.207	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00062	30357	U-235/236	0.0435	0.0029	0.0071	0.151	0.00 - 0.50
5A-00062	30357	U-235/236	0.0435	0.0029	0.0071	0.151	0.00 - 0.50
5A-00062	30357	Eu-154	0.0022	0.092	0.0036	0.15	0.00 - 0.50
5A-00062	30357	Eu-154	0.0022 U	0.092	0.0036	0.15	0.00 - 0.50
5A-00062	30357	Th-229	0.0114	0.012	0.0047	0.145	0.00 - 0.50
5A-00062	30357	Th-229	0.0114	0.012	0.0047	0.145	0.00 - 0.50
5A-00062	30357	Np-239	0.009 U	0.085	0.026	0.139	0.00 - 0.50
5A-00062	30357	Np-239	0.009	0.085	0.026	0.139	0.00 - 0.50
5A-00062	30357	Cs-134	0.0182 U	0.057	0.0055	0.0864	0.00 - 0.50
5A-00062	30357	Cs-134	0.0182	0.057	0.0055	0.0864	0.00 - 0.50
5A-00062	30357	Te-125m	0.034	0.0094	0.0028	0.0838	0.00 - 0.50
5A-00062	30357	Te-125m	0.034 SK	0.0094	0.0028	0.0838	0.00 - 0.50
5A-00062	30357	Eu-152	0	0.036	0.011	0.0566	0.00 - 0.50
5A-00062	30357	Eu-152	0 U	0.036	0.011	0.0566	0.00 - 0.50
5A-00062	30357	Np-236	-0.0048 U	0.03	0.009	0.047	0.00 - 0.50
5A-00062	30357	Np-236	-0.0048	0.03	0.009	0.047	0.00 - 0.50
5A-00062	30357	Am-241	0.001	0.014	0.0036	0.0454	0.00 - 0.50
5A-00062	30357	Am-241	0.001 U	0.014	0.0036	0.0454	0.00 - 0.50
5A-00062	30357	Pu-236	-0.0012 U	0.0071	0.0008	0.0448	0.00 - 0.50
5A-00062	30357	Pu-236	-0.0012	0.0071	0.0008	0.0448	0.00 - 0.50
5A-00062	30357	Cm-243/244	0.003	0.0073	0.0022	0.0443	0.00 - 0.50
5A-00062	30357	Cm-243/244	0.003	0.0073	0.0022	0.0443	0.00 - 0.50
5A-00062	30357	Ho-166m	0.0065	0.018	0.0064	0.0432	0.00 - 0.50
5A-00062	30357	Ho-166m	0.0065 U	0.018	0.0064	0.0432	0.00 - 0.50
5A-00062	30357	Pu-238	0.0012	0.0049	0.0013	0.0415	0.00 - 0.50
5A-00062	30357	Pu-238	0.0012 U	0.0049	0.0013	0.0415	0.00 - 0.50
5A-00062	30357	Pu-239/240	0.0025	0.0022	0.0014	0.0404	0.00 - 0.50
5A-00062	30357	Pu-239/240	0.0025	0.0022	0.0014	0.0404	0.00 - 0.50
5A-00062	30357	Cm-245/246	0.0011	0.003	0.0011	0.0401	0.00 - 0.50
5A-00062	30357	Cm-245/246	0.0011 U	0.003	0.0011	0.0401	0.00 - 0.50
5A-00062	30357	Na-22	0.0004 U	0.023	0.0069	0.037	0.00 - 0.50
5A-00062	30357	Na-22	0.0004	0.023	0.0069	0.037	0.00 - 0.50
5A-00062	30357	Pu-244	0.0012	0.0049	0.0013	0.0313	0.00 - 0.50
5A-00062	30357	Pu-244	0.0012 U	0.0049	0.0013	0.0313	0.00 - 0.50
5A-00062	30357	Cm-247/248	0.0011	0.0029	0.0011	0.0306	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00062	30357	Cm-247/248	0.0011 U	0.0029	0.0011	0.0306	0.00 - 0.50
5A-00062	30357	Co-60	0.0015	0.017	0.005	0.028	0.00 - 0.50
5A-00062	30357	Co-60	0.0015 U	0.017	0.005	0.028	0.00 - 0.50
5A-00062	30357	Sn-126	-0.003 U	0.014	0.0042	0.0237	0.00 - 0.50
5A-00062	30357	Sn-126	-0.003	0.014	0.0042	0.0237	0.00 - 0.50
5A-00062	30357	Nb-94	0.0078	0.012	0.0037	0.0214	0.00 - 0.50
5A-00062	30357	Nb-94	0.0078 SK	0.012	0.0037	0.0214	0.00 - 0.50
5A-00063	30359	Cd-113m	-1.2 U	32	9.7	3030	0.00 - 0.50
5A-00063	30359	Cd-113m	-1.2	32	9.7	3030	0.00 - 0.50
5A-00063	30360	Cd-113m	-2 U	38	12	3030	1.00 - 2.00
5A-00063	30359	Tm-171	-5.6 U J	5.3	1.7	72.4	0.00 - 0.50
5A-00063	30359	Tm-171	-5.6	5.3	1.7	72.4	0.00 - 0.50
5A-00063	30360	Tm-171	0.1 U	4.7	1.4	72.4	1.00 - 2.00
5A-00063	30359	K-40	22.1	0.1	1.1	32.4	0.00 - 0.50
5A-00063	30359	K-40	22.1	0.1	1.1	32.4	0.00 - 0.50
5A-00063	30360	K-40	20.4	0.11	1	32.4	1.00 - 2.00
5A-00063	30359	Th-228	1.43	0.017	0.074	3.98	0.00 - 0.50
5A-00063	30359	Th-228	1.43	0.017	0.074	3.98	0.00 - 0.50
5A-00063	30360	Th-228	1.33	0.018	0.068	3.98	1.00 - 2.00
5A-00063	30359	Th-234	1.63 R	0.14	0.11	3.19	0.00 - 0.50
5A-00063	30359	Th-234	1.63	0.14	0.11	3.19	0.00 - 0.50
5A-00063	30360	Th-234	0.381 R	0.15	0.051	3.19	1.00 - 2.00
5A-00063	30359	Th-232	1.45	0.012	0.075	3.1	0.00 - 0.50
5A-00063	30359	Th-232	1.45	0.012	0.075	3.1	0.00 - 0.50
5A-00063	30360	Th-232	1.23	0.003	0.064	3.1	1.00 - 2.00
5A-00063	30359	Pb-212	1.84	0.02	0.1	2.69	0.00 - 0.50
5A-00063	30359	Pb-212	1.84	0.02	0.1	2.69	0.00 - 0.50
5A-00063	30360	Pb-212	1.64	0.021	0.092	2.69	1.00 - 2.00
5A-00063	30359	Th-230	1.21	0.004	0.064	2.2	0.00 - 0.50
5A-00063	30359	Th-230	1.21	0.004	0.064	2.2	0.00 - 0.50
5A-00063	30360	Th-230	0.971	0.003	0.053	2.2	1.00 - 2.00
5A-00063	30359	Bi-212	1.08	0.11	0.081	2.15	0.00 - 0.50
5A-00063	30359	Bi-212	1.08	0.11	0.081	2.15	0.00 - 0.50
5A-00063	30360	Bi-212	1.07	0.12	0.085	2.15	1.00 - 2.00
5A-00063	30359	U-233/234	0.8	0.007	0.043	2.02	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00063	30359	U-233/234	0.8	0.007	0.043	2.02	0.00 - 0.50
5A-00063	30360	U-233/234	0.661	0.012	0.041	2.02	1.00 - 2.00
5A-00063	30359	U-238	0.808	0.007	0.043	1.8	0.00 - 0.50
5A-00063	30359	U-238	0.808	0.007	0.043	1.8	0.00 - 0.50
5A-00063	30360	U-238	0.762	0.012	0.045	1.8	1.00 - 2.00
5A-00063	30359	Pb-214	1.17	0.024	0.059	1.7	0.00 - 0.50
5A-00063	30359	Pb-214	1.17	0.024	0.059	1.7	0.00 - 0.50
5A-00063	30360	Pb-214	0.873	0.026	0.045	1.7	1.00 - 2.00
5A-00063	30359	Bi-214	1.03	0.023	0.053	1.59	0.00 - 0.50
5A-00063	30359	Bi-214	1.03	0.023	0.053	1.59	0.00 - 0.50
5A-00063	30360	Bi-214	0.78	0.026	0.042	1.59	1.00 - 2.00
5A-00063	30359	Tl-208	0.562	0.016	0.03	0.937	0.00 - 0.50
5A-00063	30359	Tl-208	0.562	0.016	0.03	0.937	0.00 - 0.50
5A-00063	30360	Tl-208	0.504	0.015	0.027	0.937	1.00 - 2.00
5A-00063	30359	Pa-231	0.131 U	0.49	0.069	0.936	0.00 - 0.50
5A-00063	30359	Pa-231	0.131	0.49	0.069	0.936	0.00 - 0.50
5A-00063	30360	Pa-231	0.05 U	0.57	0.12	0.936	1.00 - 2.00
5A-00063	30359	Sr-90	0.063	0.047	0.016	0.485	0.00 - 0.50
5A-00063	30359	Sr-90	0.063	0.047	0.016	0.485	0.00 - 0.50
5A-00063	30360	Sr-90	-0.0176 U	0.037	0.01	0.485	1.00 - 2.00
5A-00063	30359	Sb-125	0.149 SK	0.036	0.012	0.354	0.00 - 0.50
5A-00063	30359	Sb-125	0.149	0.036	0.012	0.354	0.00 - 0.50
5A-00063	30360	Sb-125	0.141 SK	0.033	0.012	0.354	1.00 - 2.00
5A-00063	30359	Eu-155	0.0515 SK	0.028	0.0092	0.231	0.00 - 0.50
5A-00063	30359	Eu-155	0.0515	0.028	0.0092	0.231	0.00 - 0.50
5A-00063	30360	Eu-155	0.075 SK	0.033	0.014	0.231	1.00 - 2.00
5A-00063	30359	Ac-227	0.042	0.13	0.052	0.217	0.00 - 0.50
5A-00063	30359	Ac-227	0.042 U	0.13	0.052	0.217	0.00 - 0.50
5A-00063	30360	Ac-227	0.07	0.087	0.019	0.217	1.00 - 2.00
5A-00063	30359	Cs-137	0.0996	0.012	0.0078	0.207	0.00 - 0.50
5A-00063	30359	Cs-137	0.0996	0.012	0.0078	0.207	0.00 - 0.50
5A-00063	30360	Cs-137	0.0038 U	0.016	0.0047	0.207	1.00 - 2.00
5A-00063	30359	U-235/236	0.0387	0.0031	0.0068	0.151	0.00 - 0.50
5A-00063	30359	U-235/236	0.0387	0.0031	0.0068	0.151	0.00 - 0.50
5A-00063	30360	U-235/236	0.0282	0.015	0.0077	0.151	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00063	30359	Eu-154	-0.002 U	0.082	0.024	0.15	0.00 - 0.50
5A-00063	30359	Eu-154	-0.002	0.082	0.024	0.15	0.00 - 0.50
5A-00063	30360	Eu-154	-0.033 U	0.1	0.031	0.15	1.00 - 2.00
5A-00063	30359	Th-229	0.007	0.0073	0.003	0.145	0.00 - 0.50
5A-00063	30359	Th-229	0.007	0.0073	0.003	0.145	0.00 - 0.50
5A-00063	30360	Th-229	0.0059	0.011	0.0036	0.145	1.00 - 2.00
5A-00063	30359	Np-239	0 U	0.077	0.014	0.139	0.00 - 0.50
5A-00063	30359	Np-239	0	0.077	0.014	0.139	0.00 - 0.50
5A-00063	30360	Np-239	-0.024 U	0.084	0.025	0.139	1.00 - 2.00
5A-00063	30359	Cs-134	0.017 U	0.04	0.0037	0.0864	0.00 - 0.50
5A-00063	30359	Cs-134	0.017	0.04	0.0037	0.0864	0.00 - 0.50
5A-00063	30360	Cs-134	0.0159 U	0.047	0.0048	0.0864	1.00 - 2.00
5A-00063	30359	Te-125m	0.0344 SK	0.0084	0.0027	0.0838	0.00 - 0.50
5A-00063	30359	Te-125m	0.0344	0.0084	0.0027	0.0838	0.00 - 0.50
5A-00063	30360	Te-125m	0.0326 SK	0.0076	0.0027	0.0838	1.00 - 2.00
5A-00063	30359	Eu-152	-0.013 U	0.035	0.011	0.0566	0.00 - 0.50
5A-00063	30359	Eu-152	-0.013	0.035	0.011	0.0566	0.00 - 0.50
5A-00063	30360	Eu-152	0.0019 U	0.037	0.0034	0.0566	1.00 - 2.00
5A-00063	30359	Np-236	-0.0022	0.029	0.0086	0.047	0.00 - 0.50
5A-00063	30359	Np-236	-0.0022 U	0.029	0.0086	0.047	0.00 - 0.50
5A-00063	30360	Np-236	0.001 U	0.03	0.009	0.047	1.00 - 2.00
5A-00063	30359	Am-241	0.0019 U	0.01	0.0026	0.0454	0.00 - 0.50
5A-00063	30359	Am-241	0.0019	0.01	0.0026	0.0454	0.00 - 0.50
5A-00063	30360	Am-241	0 U	0.0065	0.0013	0.0454	1.00 - 2.00
5A-00063	30359	Pu-236	-0.0011 U	0.0064	0.0008	0.0448	0.00 - 0.50
5A-00063	30359	Pu-236	-0.0011	0.0064	0.0008	0.0448	0.00 - 0.50
5A-00063	30359	Cm-243/244	0.0075	0.0087	0.0033	0.0443	0.00 - 0.50
5A-00063	30359	Cm-243/244	0.0075	0.0087	0.0033	0.0443	0.00 - 0.50
5A-00063	30360	Cm-243/244	-0.0045 L U	0.012	0.002	0.0443	1.00 - 2.00
5A-00063	30359	Ho-166m	0.0053 U	0.02	0.0051	0.0432	0.00 - 0.50
5A-00063	30359	Ho-166m	0.0053	0.02	0.0051	0.0432	0.00 - 0.50
5A-00063	30360	Ho-166m	0.015 JSK	0.023	0.01	0.0432	1.00 - 2.00
5A-00063	30359	Pu-238	-0.0009 U	0.0054	0.0006	0.0415	0.00 - 0.50
5A-00063	30359	Pu-238	-0.0009	0.0054	0.0006	0.0415	0.00 - 0.50
5A-00063	30360	Pu-238	0.0002 U	0.0097	0.0015	0.0415	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00063	30359	Pu-239/240	0.0022	0.002	0.0013	0.0404	0.00 - 0.50
5A-00063	30359	Pu-239/240	0.0022	0.002	0.0013	0.0404	0.00 - 0.50
5A-00063	30360	Pu-239/240	0.0034	0.0023	0.0017	0.0404	1.00 - 2.00
5A-00063	30359	Cm-245/246	-0.001 U	0.011	0.0022	0.0401	0.00 - 0.50
5A-00063	30359	Cm-245/246	-0.001	0.011	0.0022	0.0401	0.00 - 0.50
5A-00063	30360	Cm-245/246	0.001 U	0.0026	0.001	0.0401	1.00 - 2.00
5A-00063	30359	Na-22	-0.0023 U	0.02	0.006	0.037	0.00 - 0.50
5A-00063	30359	Na-22	-0.0023	0.02	0.006	0.037	0.00 - 0.50
5A-00063	30360	Na-22	-0.0084 U	0.022	0.0067	0.037	1.00 - 2.00
5A-00063	30359	Pu-244	0.0015	0.002	0.001	0.0313	0.00 - 0.50
5A-00063	30359	Pu-244	0.0015	0.002	0.001	0.0313	0.00 - 0.50
5A-00063	30360	Pu-244	0.0008 U	0.0023	0.0008	0.0313	1.00 - 2.00
5A-00063	30359	Cm-247/248	0.001 U	0.0026	0.001	0.0306	0.00 - 0.50
5A-00063	30359	Cm-247/248	0.001	0.0026	0.001	0.0306	0.00 - 0.50
5A-00063	30360	Cm-247/248	0 U	0.0088	0.0019	0.0306	1.00 - 2.00
5A-00063	30359	Co-60	-0.0072	0.015	0.0046	0.028	0.00 - 0.50
5A-00063	30359	Co-60	-0.0072 U	0.015	0.0046	0.028	0.00 - 0.50
5A-00063	30360	Co-60	0.0017 U	0.018	0.0054	0.028	1.00 - 2.00
5A-00063	30359	Sn-126	0	0.011	0.0033	0.0237	0.00 - 0.50
5A-00063	30359	Sn-126	0 U	0.011	0.0033	0.0237	0.00 - 0.50
5A-00063	30360	Sn-126	-0.0017 U	0.016	0.0047	0.0237	1.00 - 2.00
5A-00063	30359	Nb-94	-0.0003 U	0.012	0.0035	0.0214	0.00 - 0.50
5A-00063	30359	Nb-94	-0.0003	0.012	0.0035	0.0214	0.00 - 0.50
5A-00063	30360	Nb-94	0.0024 U	0.014	0.0028	0.0214	1.00 - 2.00
5A-00064	30361	Cd-113m	13.1 U	96.3	30.2	3030	0.00 - 0.50
5A-00064	30362	Cd-113m	5 U	36	11	3030	1.00 - 4.00
5A-00064	30361	Tm-171	-13 JU	10.2	4.77	72.4	0.00 - 0.50
5A-00064	30362	Tm-171	-2.1 U	5.1	1.6	72.4	1.00 - 4.00
5A-00064	30361	K-40	21.5	0.0901	1.3	32.4	0.00 - 0.50
5A-00064	30362	K-40	21.9	0.1	1.1	32.4	1.00 - 4.00
5A-00064	30361	Th-228	1.44	0.112	0.149	3.98	0.00 - 0.50
5A-00064	30362	Th-228	1.43	0.013	0.073	3.98	1.00 - 4.00
5A-00064	30361	Th-234	1.26	0.214	0.121	3.19	0.00 - 0.50
5A-00064	30362	Th-234	1.59 R	0.14	0.11	3.19	1.00 - 4.00
5A-00064	30361	Th-232	1.12	0.0531	0.117	3.1	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00064	30362	Th-232	1.34	0.01	0.069	3.1	1.00 - 4.00
5A-00064	30361	Pb-212	1.5	0.0273	0.0914	2.69	0.00 - 0.50
5A-00064	30362	Pb-212	1.71	0.02	0.11	2.69	1.00 - 4.00
5A-00064	30361	Th-230	0.832	0.0196	0.0954	2.2	0.00 - 0.50
5A-00064	30362	Th-230	0.978	0.011	0.053	2.2	1.00 - 4.00
5A-00064	30361	Bi-212	0.854	0.105	0.0666	2.15	0.00 - 0.50
5A-00064	30362	Bi-212	1	0.13	0.09	2.15	1.00 - 4.00
5A-00064	30361	U-233/234	0.934	0.0703	0.1	2.02	0.00 - 0.50
5A-00064	30362	U-233/234	0.78	0.013	0.046	2.02	1.00 - 4.00
5A-00064	30361	U-238	1.07	0.0343	0.109	1.8	0.00 - 0.50
5A-00064	30362	U-238	0.78	0.004	0.046	1.8	1.00 - 4.00
5A-00064	30361	Pb-214	1.02	0.0237	0.0474	1.7	0.00 - 0.50
5A-00064	30362	Pb-214	0.93	0.023	0.05	1.7	1.00 - 4.00
5A-00064	30361	Bi-214	0.9	0.0206	0.0409	1.59	0.00 - 0.50
5A-00064	30362	Bi-214	0.816	0.024	0.045	1.59	1.00 - 4.00
5A-00064	30361	Tl-208	0.484	0.013	0.0265	0.937	0.00 - 0.50
5A-00064	30362	Tl-208	0.51	0.016	0.028	0.937	1.00 - 4.00
5A-00064	30361	Pa-231	-0.357 U	0.575	0.202	0.936	0.00 - 0.50
5A-00064	30362	Pa-231	0.5	0.45	0.2	0.936	1.00 - 4.00
5A-00064	30361	Sr-90	0.0919 U K	0.234	0.0702	0.485	0.00 - 0.50
5A-00064	30362	Sr-90	0.0228	0.032	0.0099	0.485	1.00 - 4.00
5A-00064	30361	Sb-125	0.0001 U	0.0351	0.0105	0.354	0.00 - 0.50
5A-00064	30362	Sb-125	0.158 SK	0.035	0.012	0.354	1.00 - 4.00
5A-00064	30361	Eu-155	0.073 SK	0.0513	0.0192	0.231	0.00 - 0.50
5A-00064	30362	Eu-155	0.096 SK	0.032	0.014	0.231	1.00 - 4.00
5A-00064	30361	Ac-227	0.0634 U	0.142	0.0442	0.217	0.00 - 0.50
5A-00064	30362	Ac-227	0.068	0.13	0.019	0.217	1.00 - 4.00
5A-00064	30361	Cs-137	0.0412	0.0117	0.0055	0.207	0.00 - 0.50
5A-00064	30362	Cs-137	-0.0052 U	0.014	0.0043	0.207	1.00 - 4.00
5A-00064	30361	U-235/236	0.0351	0.0423	0.0172	0.151	0.00 - 0.50
5A-00064	30362	U-235/236	0.053	0.016	0.01	0.151	1.00 - 4.00
5A-00064	30361	Eu-154	0.0288 U	0.071	0.0246	0.15	0.00 - 0.50
5A-00064	30362	Eu-154	-0.028 U	0.087	0.026	0.15	1.00 - 4.00
5A-00064	30361	Th-229	0.0217 U	0.095	0.0262	0.145	0.00 - 0.50
5A-00064	30362	Th-229	0.0135	0.013	0.0051	0.145	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00064	30361	Np-239	0.0251 U	0.0952	0.0286	0.139	0.00 - 0.50
5A-00064	30362	Np-239	-0.0005 U	0.077	0.023	0.139	1.00 - 4.00
5A-00064	30361	Cs-134	-0.0027 U	0.0116	0.0041	0.0864	0.00 - 0.50
5A-00064	30362	Cs-134	0.0135 U	0.045	0.0038	0.0864	1.00 - 4.00
5A-00064	30362	Te-125m	0.0364 SK	0.0082	0.0029	0.0838	1.00 - 4.00
5A-00064	30361	Eu-152	-0.0282 U	0.0344	0.0169	0.0566	0.00 - 0.50
5A-00064	30362	Eu-152	-0.0096 U	0.032	0.0096	0.0566	1.00 - 4.00
5A-00064	30361	Np-236	-0.0043 U	0.0268	0.009	0.047	0.00 - 0.50
5A-00064	30362	Np-236	-0.0058 U	0.028	0.0084	0.047	1.00 - 4.00
5A-00064	30361	Am-241	0.0115	0.0245	0.0077	0.0454	0.00 - 0.50
5A-00064	30362	Am-241	0.0037	0.0025	0.0019	0.0454	1.00 - 4.00
5A-00064	30361	Pu-236	0	0.0087	0.0032	0.0448	0.00 - 0.50
5A-00064	30361	Cm-243/244	0.0044 U	0.0226	0.0057	0.0443	0.00 - 0.50
5A-00064	30362	Cm-243/244	0.0009 U	0.0086	0.0021	0.0443	1.00 - 4.00
5A-00064	30361	Ho-166m	-0.0049 U	0.0187	0.0059	0.0432	0.00 - 0.50
5A-00064	30362	Ho-166m	0.0222 JSK	0.017	0.0082	0.0432	1.00 - 4.00
5A-00064	30361	Pu-238	-0.0029 U	0.0194	0.0035	0.0415	0.00 - 0.50
5A-00064	30362	Pu-238	0.0005 U	0.0075	0.0011	0.0415	1.00 - 4.00
5A-00064	30361	Pu-239/240	0.0028 U	0.0193	0.0045	0.0404	0.00 - 0.50
5A-00064	30362	Pu-239/240	0.0009 U	0.0024	0.0009	0.0404	1.00 - 4.00
5A-00064	30362	Cm-245/246	0.0028	0.0025	0.0016	0.0401	1.00 - 4.00
5A-00064	30361	Na-22	-0.0061 U	0.0154	0.0049	0.037	0.00 - 0.50
5A-00064	30362	Na-22	0.0002 U	0.016	0.0047	0.037	1.00 - 4.00
5A-00064	30361	Pu-244	0	0.0077	0.0029	0.0313	0.00 - 0.50
5A-00064	30362	Pu-244	0 U	0.0024	0.0005	0.0313	1.00 - 4.00
5A-00064	30362	Cm-247/248	0 U	0.0066	0.0013	0.0306	1.00 - 4.00
5A-00064	30361	Co-60	-0.0007 U	0.0128	0.0038	0.028	0.00 - 0.50
5A-00064	30362	Co-60	0.0026 U	0.015	0.0041	0.028	1.00 - 4.00
5A-00064	30361	Sn-126	-0.0058 U	0.0116	0.0038	0.0237	0.00 - 0.50
5A-00064	30362	Sn-126	-0.0026 U	0.013	0.004	0.0237	1.00 - 4.00
5A-00064	30361	Nb-94	0.0051 U	0.0111	0.0035	0.0214	0.00 - 0.50
5A-00064	30362	Nb-94	0.0034 U	0.012	0.0036	0.0214	1.00 - 4.00
5A-00065	30363	Cd-113m	-3 U	34	10	3030	1.00 - 5.00
5A-00065	30363	Tm-171	-2.1 U	5.3	1.6	72.4	1.00 - 5.00
5A-00065	30363	K-40	20.4	0.1	1	32.4	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00065	30363	Th-228	1.4	0.016	0.07	3.98	1.00 - 5.00
5A-00065	30363	Th-234	0.358 R	0.14	0.049	3.19	1.00 - 5.00
5A-00065	30363	Th-232	1.44	0.003	0.071	3.1	1.00 - 5.00
5A-00065	30363	Pb-212	1.59	0.02	0.1	2.69	1.00 - 5.00
5A-00065	30363	Th-230	1.05	0.003	0.055	2.2	1.00 - 5.00
5A-00065	30363	Bi-212	0.939	0.1	0.074	2.15	1.00 - 5.00
5A-00065	30363	U-233/234	0.765	0.003	0.043	2.02	1.00 - 5.00
5A-00065	30363	U-238	0.735	0.003	0.041	1.8	1.00 - 5.00
5A-00065	30363	Pb-214	0.899	0.019	0.049	1.7	1.00 - 5.00
5A-00065	30363	Bi-214	0.779	0.02	0.042	1.59	1.00 - 5.00
5A-00065	30363	Tl-208	0.472	0.015	0.026	0.937	1.00 - 5.00
5A-00065	30363	Pa-231	0.04 U	0.38	0.12	0.936	1.00 - 5.00
5A-00065	30363	Sr-90	0.011 U	0.038	0.011	0.485	1.00 - 5.00
5A-00065	30363	Sb-125	0.113 SK	0.033	0.0089	0.354	1.00 - 5.00
5A-00065	30363	Eu-155	0.094 SK	0.031	0.014	0.231	1.00 - 5.00
5A-00065	30363	Ac-227	0.043 U J	0.12	0.012	0.217	1.00 - 5.00
5A-00065	30363	Cs-137	0 U	0.011	0.0032	0.207	1.00 - 5.00
5A-00065	30363	U-235/236	0.0398	0.014	0.008	0.151	1.00 - 5.00
5A-00065	30363	Eu-154	0.032 U J	0.077	0.01	0.15	1.00 - 5.00
5A-00065	30363	Th-229	0.0089	0.0072	0.0033	0.145	1.00 - 5.00
5A-00065	30363	Np-239	-0.005 U	0.077	0.023	0.139	1.00 - 5.00
5A-00065	30363	Cs-134	0.0144 U J	0.036	0.0036	0.0864	1.00 - 5.00
5A-00065	30363	Te-125m	0.0261 SK	0.0077	0.0021	0.0838	1.00 - 5.00
5A-00065	30363	Eu-152	-0.0076 U	0.032	0.0096	0.0566	1.00 - 5.00
5A-00065	30363	Np-236	-0.0024 U	0.027	0.0082	0.047	1.00 - 5.00
5A-00065	30363	Am-241	0 U	0.0098	0.0022	0.0454	1.00 - 5.00
5A-00065	30363	Pu-236	0.0004 U	0.0052	0.001	0.0448	1.00 - 5.00
5A-00065	30363	Cm-243/244	0.0018 U	0.0099	0.0026	0.0443	1.00 - 5.00
5A-00065	30363	Ho-166m	0.0058 U	0.02	0.0034	0.0432	1.00 - 5.00
5A-00065	30363	Pu-238	0.0023	0.0021	0.0013	0.0415	1.00 - 5.00
5A-00065	30363	Pu-239/240	0.0038	0.0021	0.0017	0.0404	1.00 - 5.00
5A-00065	30363	Cm-245/246	0 U	0.0089	0.0017	0.0401	1.00 - 5.00
5A-00065	30363	Na-22	0 U	0.017	0.005	0.037	1.00 - 5.00
5A-00065	30363	Pu-244	0.0023	0.0021	0.0013	0.0313	1.00 - 5.00
5A-00065	30363	Cm-247/248	-0.0012 U	0.0087	0.0012	0.0306	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00065	30363	Co-60	0.0038 U	0.014	0.0023	0.028	1.00 - 5.00
5A-00065	30363	Sn-126	0.0017 U	0.012	0.0037	0.0237	1.00 - 5.00
5A-00065	30363	Nb-94	0.0046 U	0.011	0.0033	0.0214	1.00 - 5.00
5A-00066	30157	Cd-113m	14.6 U	94.3	29.9	3030	0.00 - 0.50
5A-00066	30158	Cd-113m	8.35 U	33	9.99	3030	1.00 - 2.50
5A-00066	30157	Tm-171	-5.39 U	9.16	3.49	72.4	0.00 - 0.50
5A-00066	30158	Tm-171	-4.5 U J	5	2.1	72.4	1.00 - 2.50
5A-00066	30157	K-40	23.9	0.0839	1.41	32.4	0.00 - 0.50
5A-00066	30158	K-40	23.2	0.1	1.2	32.4	1.00 - 2.50
5A-00066	30157	Th-228	1.23	0.0735	0.116	3.98	0.00 - 0.50
5A-00066	30158	Th-228	1.51	0.014	0.074	3.98	1.00 - 2.50
5A-00066	30157	Th-234	1.47	0.205	0.115	3.19	0.00 - 0.50
5A-00066	30158	Th-234	1.78 R	0.13	0.11	3.19	1.00 - 2.50
5A-00066	30157	Th-232	1.03	0.015	0.0952	3.1	0.00 - 0.50
5A-00066	30158	Th-232	1.4	0.003	0.069	3.1	1.00 - 2.50
5A-00066	30157	Pb-212	1.7	0.0272	0.103	2.69	0.00 - 0.50
5A-00066	30158	Pb-212	1.66	0.02	0.11	2.69	1.00 - 2.50
5A-00066	30157	Th-230	0.96	0.015	0.0909	2.2	0.00 - 0.50
5A-00066	30158	Th-230	1.39	0.003	0.069	2.2	1.00 - 2.50
5A-00066	30157	Bi-212	1.1	0.104	0.0741	2.15	0.00 - 0.50
5A-00066	30158	Bi-212	1.1	0.099	0.079	2.15	1.00 - 2.50
5A-00066	30157	U-233/234	1.04	0.0615	0.104	2.02	0.00 - 0.50
5A-00066	30158	U-233/234	1.17	0.01	0.06	2.02	1.00 - 2.50
5A-00066	30157	U-238	1.09	0.0127	0.106	1.8	0.00 - 0.50
5A-00066	30158	U-238	1.05	0.011	0.055	1.8	1.00 - 2.50
5A-00066	30157	Pb-214	1.1	0.0247	0.0525	1.7	0.00 - 0.50
5A-00066	30158	Pb-214	1.15	0.022	0.061	1.7	1.00 - 2.50
5A-00066	30157	Bi-214	0.957	0.0205	0.0425	1.59	0.00 - 0.50
5A-00066	30158	Bi-214	0.997	0.019	0.053	1.59	1.00 - 2.50
5A-00066	30157	Tl-208	0.5	0.0137	0.0266	0.937	0.00 - 0.50
5A-00066	30158	Tl-208	0.498	0.012	0.027	0.937	1.00 - 2.50
5A-00066	30157	Pa-231	-0.216 U	0.575	0.185	0.936	0.00 - 0.50
5A-00066	30158	Pa-231	0.26	0.49	0.11	0.936	1.00 - 2.50
5A-00066	30157	Sr-90	-0.0095 U K	0.152	0.0399	0.485	0.00 - 0.50
5A-00066	30158	Sr-90	0.029	0.034	0.011	0.485	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00066	30157	Sb-125	0.0229 JSK	0.0382	0.0123	0.354	0.00 - 0.50
5A-00066	30158	Sb-125	0.147 SK	0.035	0.012	0.354	1.00 - 2.50
5A-00066	30157	Eu-155	0.0695 SK	0.0496	0.0197	0.231	0.00 - 0.50
5A-00066	30158	Eu-155	0.071 SK	0.03	0.013	0.231	1.00 - 2.50
5A-00066	30157	Ac-227	0.0944 J	0.143	0.0484	0.217	0.00 - 0.50
5A-00066	30158	Ac-227	0.044 U	0.12	0.019	0.217	1.00 - 2.50
5A-00066	30157	Cs-137	0.993 Y	0.0122	0.0529	0.207	0.00 - 0.50
5A-00066	30158	Cs-137	0.15	0.0099	0.0094	0.207	1.00 - 2.50
5A-00066	30157	U-235/236	0.0753	0.0157	0.0216	0.151	0.00 - 0.50
5A-00066	30158	U-235/236	0.0507	0.012	0.0088	0.151	1.00 - 2.50
5A-00066	30157	Eu-154	0.0187 U	0.068	0.0233	0.15	0.00 - 0.50
5A-00066	30158	Eu-154	0.01 U	0.076	0.011	0.15	1.00 - 2.50
5A-00066	30157	Th-229	-0.0056 U	0.0729	0.0167	0.145	0.00 - 0.50
5A-00066	30158	Th-229	0.0012 U	0.009	0.0021	0.145	1.00 - 2.50
5A-00066	30157	Np-239	-0.0009 U	0.0934	0.0283	0.139	0.00 - 0.50
5A-00066	30158	Np-239	-0.006 U	0.077	0.023	0.139	1.00 - 2.50
5A-00066	30157	Cs-134	0.0057 U	0.0122	0.0043	0.0864	0.00 - 0.50
5A-00066	30158	Cs-134	-0.007 U	0.041	0.012	0.0864	1.00 - 2.50
5A-00066	30158	Te-125m	0.034 SK	0.0081	0.0027	0.0838	1.00 - 2.50
5A-00066	30157	Eu-152	-0.0224 U	0.0346	0.0129	0.0566	0.00 - 0.50
5A-00066	30158	Eu-152	-0.0097 U	0.032	0.0097	0.0566	1.00 - 2.50
5A-00066	30157	Np-236	-0.0206 U	0.0251	0.0104	0.047	0.00 - 0.50
5A-00066	30158	Np-236	-0.0031 U	0.027	0.0082	0.047	1.00 - 2.50
5A-00066	30157	Am-241	-0.0074 U	0.0267	0.0044	0.0454	0.00 - 0.50
5A-00066	30158	Am-241	0.0031	0.0021	0.0016	0.0454	1.00 - 2.50
5A-00066	30157	Pu-236	0.0082 U	0.0384	0.0106	0.0448	0.00 - 0.50
5A-00066	30157	Cm-243/244	-0.0015 U	0.0229	0.004	0.0443	0.00 - 0.50
5A-00066	30158	Cm-243/244	0.0008 U	0.0057	0.0013	0.0443	1.00 - 2.50
5A-00066	30157	Ho-166m	-0.0028 U	0.018	0.0055	0.0432	0.00 - 0.50
5A-00066	30158	Ho-166m	0.0305 SK	0.02	0.0038	0.0432	1.00 - 2.50
5A-00066	30157	Pu-238	-0.0094 U	0.0428	0.01	0.0415	0.00 - 0.50
5A-00066	30158	Pu-238	0.0003 U	0.0046	0.0009	0.0415	1.00 - 2.50
5A-00066	30157	Pu-239/240	0.0024 U	0.0173	0.0041	0.0404	0.00 - 0.50
5A-00066	30158	Pu-239/240	0.0023	0.0021	0.0013	0.0404	1.00 - 2.50
5A-00066	30158	Cm-245/246	0.0031	0.0075	0.0023	0.0401	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00066	30157	Na-22	0.0006 U	0.0162	0.0056	0.037	0.00 - 0.50
5A-00066	30158	Na-22	-0.007 U	0.02	0.014	0.037	1.00 - 2.50
5A-00066	30157	Pu-244	0.0117	0.0064	0.0053	0.0313	0.00 - 0.50
5A-00066	30158	Pu-244	0.0026	0.0045	0.0016	0.0313	1.00 - 2.50
5A-00066	30158	Cm-247/248	0.001 U	0.0074	0.0017	0.0306	1.00 - 2.50
5A-00066	30157	Co-60	-0.0005 U	0.0123	0.0037	0.028	0.00 - 0.50
5A-00066	30158	Co-60	-0.0036 U	0.016	0.0047	0.028	1.00 - 2.50
5A-00066	30157	Sn-126	0.0052 U	0.0118	0.0037	0.0237	0.00 - 0.50
5A-00066	30158	Sn-126	0.001 U	0.011	0.0032	0.0237	1.00 - 2.50
5A-00066	30157	Nb-94	0.0031 U	0.0103	0.0032	0.0214	0.00 - 0.50
5A-00066	30158	Nb-94	0.0068 SK	0.011	0.0034	0.0214	1.00 - 2.50
5A-00067	30159	Cd-113m	-6 U	36	11	3030	1.00 - 2.00
5A-00067	30159	Tm-171	-0.2 U J	5.7	1.7	72.4	1.00 - 2.00
5A-00067	30159	K-40	20.1	0.1	1	32.4	1.00 - 2.00
5A-00067	30159	Th-228	1.57	0.02	0.077	3.98	1.00 - 2.00
5A-00067	30159	Th-234	1.57 R	0.14	0.11	3.19	1.00 - 2.00
5A-00067	30159	Th-232	1.62	0.012	0.079	3.1	1.00 - 2.00
5A-00067	30159	Pb-212	1.95	0.02	0.13	2.69	1.00 - 2.00
5A-00067	30159	Th-230	0.847	0.009	0.046	2.2	1.00 - 2.00
5A-00067	30159	Bi-212	1.23	0.12	0.094	2.15	1.00 - 2.00
5A-00067	30159	U-233/234	0.682	0.01	0.04	2.02	1.00 - 2.00
5A-00067	30159	U-238	0.765	0.008	0.043	1.8	1.00 - 2.00
5A-00067	30159	Pb-214	0.735	0.023	0.04	1.7	1.00 - 2.00
5A-00067	30159	Bi-214	0.644	0.024	0.037	1.59	1.00 - 2.00
5A-00067	30159	Tl-208	0.568	0.013	0.03	0.937	1.00 - 2.00
5A-00067	30159	Pa-231	-0.02 U	0.53	0.16	0.936	1.00 - 2.00
5A-00067	30159	Sr-90	0.003 U	0.038	0.011	0.485	1.00 - 2.00
5A-00067	30159	Sb-125	0.156 SK	0.037	0.012	0.354	1.00 - 2.00
5A-00067	30159	Eu-155	0.09 SK	0.034	0.015	0.231	1.00 - 2.00
5A-00067	30159	Ac-227	0.057 K R	0.1	0.015	0.217	1.00 - 2.00
5A-00067	30159	Cs-137	0.089	0.012	0.0078	0.207	1.00 - 2.00
5A-00067	30159	U-235/236	0.0426	0.0037	0.0079	0.151	1.00 - 2.00
5A-00067	30159	Eu-154	-0.024 U	0.085	0.026	0.15	1.00 - 2.00
5A-00067	30159	Th-229	0.0022 U	0.01	0.0027	0.145	1.00 - 2.00
5A-00067	30159	Np-239	-0.003 U	0.081	0.024	0.139	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00067	30159	Cs-134	0.0135 U	0.041	0.0046	0.0864	1.00 - 2.00
5A-00067	30159	Te-125m	0.0361 SK	0.0085	0.0028	0.0838	1.00 - 2.00
5A-00067	30159	Eu-152	-0.013 U	0.034	0.01	0.0566	1.00 - 2.00
5A-00067	30159	Np-236	0.0007 U	0.027	0.0083	0.047	1.00 - 2.00
5A-00067	30159	Am-241	-0.0008 U	0.0057	0.0008	0.0454	1.00 - 2.00
5A-00067	30159	Cm-243/244	0.0008 U	0.0057	0.0013	0.0443	1.00 - 2.00
5A-00067	30159	Ho-166m	0.0094 U	0.021	0.0043	0.0432	1.00 - 2.00
5A-00067	30159	Pu-238	0.0027	0.0046	0.0016	0.0415	1.00 - 2.00
5A-00067	30159	Pu-239/240	0.0026	0.0046	0.0016	0.0404	1.00 - 2.00
5A-00067	30159	Cm-245/246	0.0011 U	0.0029	0.0011	0.0401	1.00 - 2.00
5A-00067	30159	Na-22	0.0001 U	0.02	0.0058	0.037	1.00 - 2.00
5A-00067	30159	Pu-244	0.0031	0.0021	0.0016	0.0313	1.00 - 2.00
5A-00067	30159	Cm-247/248	0.0011 U	0.0029	0.0011	0.0306	1.00 - 2.00
5A-00067	30159	Co-60	0 U	0.016	0.0048	0.028	1.00 - 2.00
5A-00067	30159	Sn-126	-0.0014 U	0.013	0.004	0.0237	1.00 - 2.00
5A-00067	30159	Nb-94	0.0034 U	0.012	0.0036	0.0214	1.00 - 2.00
5A-00068	30160	Cd-113m	22	28	11	3030	1.00 - 2.50
5A-00068	30160	Tm-171	0.8 U	4.9	1.5	72.4	1.00 - 2.50
5A-00068	30160	K-40	22	0.1	1.1	32.4	1.00 - 2.50
5A-00068	30160	Th-228	1.55	0.018	0.079	3.98	1.00 - 2.50
5A-00068	30160	Th-234	2.15 R	0.15	0.13	3.19	1.00 - 2.50
5A-00068	30160	Th-232	1.54	0.009	0.078	3.1	1.00 - 2.50
5A-00068	30160	Pb-212	1.86	0.02	0.1	2.69	1.00 - 2.50
5A-00068	30160	Th-230	1.78	0.003	0.089	2.2	1.00 - 2.50
5A-00068	30160	Bi-212	1.11	0.12	0.089	2.15	1.00 - 2.50
5A-00068	30160	U-233/234	1.13	0.002	0.057	2.02	1.00 - 2.50
5A-00068	30160	U-238	1.17	0.002	0.058	1.8	1.00 - 2.50
5A-00068	30160	Pb-214	1.39	0.027	0.07	1.7	1.00 - 2.50
5A-00068	30160	Bi-214	1.22	0.026	0.063	1.59	1.00 - 2.50
5A-00068	30160	Tl-208	0.556	0.016	0.029	0.937	1.00 - 2.50
5A-00068	30160	Pa-231	0.22 U	0.54	0.12	0.936	1.00 - 2.50
5A-00068	30160	Sr-90	0.026	0.038	0.012	0.485	1.00 - 2.50
5A-00068	30160	Sb-125	0.136 SK	0.038	0.011	0.354	1.00 - 2.50
5A-00068	30160	Eu-155	0.013 U	0.034	0.01	0.231	1.00 - 2.50
5A-00068	30160	Ac-227	0.055 U J	0.14	0.042	0.217	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00068	30160	Cs-137	0.0739	0.011	0.0062	0.207	1.00 - 2.50
5A-00068	30160	U-235/236	0.0648	0.0028	0.0087	0.151	1.00 - 2.50
5A-00068	30160	Eu-154	0.049 JKR	0.061	0.028	0.15	1.00 - 2.50
5A-00068	30160	Th-229	0.0104	0.0085	0.0038	0.145	1.00 - 2.50
5A-00068	30160	Np-239	0.024 U	0.082	0.025	0.139	1.00 - 2.50
5A-00068	30160	Cs-134	0.0201 U J	0.044	0.005	0.0864	1.00 - 2.50
5A-00068	30160	Te-125m	0.0314 SK	0.0087	0.0025	0.0838	1.00 - 2.50
5A-00068	30160	Eu-152	0.0036 U	0.02	0.0059	0.0566	1.00 - 2.50
5A-00068	30160	Np-236	-0.0078 U	0.031	0.0093	0.047	1.00 - 2.50
5A-00068	30160	Am-241	0 U	0.01	0.0024	0.0454	1.00 - 2.50
5A-00068	30160	Pu-236	0 U	0.0028	0.0006	0.0448	1.00 - 2.50
5A-00068	30160	Cm-243/244	0.0009 U	0.0063	0.0015	0.0443	1.00 - 2.50
5A-00068	30160	Ho-166m	0.0046 U	0.016	0.0056	0.0432	1.00 - 2.50
5A-00068	30160	Pu-238	0.0027	0.0024	0.0015	0.0415	1.00 - 2.50
5A-00068	30160	Pu-239/240	0.0021	0.0053	0.0016	0.0404	1.00 - 2.50
5A-00068	30160	Cm-245/246	0 U	0.0092	0.0018	0.0401	1.00 - 2.50
5A-00068	30160	Na-22	-0.0005 U	0.018	0.0055	0.037	1.00 - 2.50
5A-00068	30160	Pu-244	0.0009 U	0.0024	0.0009	0.0313	1.00 - 2.50
5A-00068	30160	Cm-247/248	0.0012 U	0.0033	0.0012	0.0306	1.00 - 2.50
5A-00068	30160	Co-60	-0.0049 U	0.015	0.0047	0.028	1.00 - 2.50
5A-00068	30160	Sn-126	0.0014 U	0.014	0.0042	0.0237	1.00 - 2.50
5A-00068	30160	Nb-94	0.0041 U	0.012	0.0027	0.0214	1.00 - 2.50
5A-00069	30161	Cd-113m	-1 U	36	11	3030	1.00 - 2.00
5A-00069	30161	Tm-171	-0.3 U J	5.1	1.5	72.4	1.00 - 2.00
5A-00069	30161	K-40	22.7	0.1	1.1	32.4	1.00 - 2.00
5A-00069	30161	Th-228	1.31	0.024	0.068	3.98	1.00 - 2.00
5A-00069	30161	Th-234	1.7 R	0.13	0.11	3.19	1.00 - 2.00
5A-00069	30161	Th-232	1.31	0.003	0.068	3.1	1.00 - 2.00
5A-00069	30161	Pb-212	1.63	0.02	0.091	2.69	1.00 - 2.00
5A-00069	30161	Th-230	1.18	0.009	0.062	2.2	1.00 - 2.00
5A-00069	30161	Bi-212	1.05	0.12	0.086	2.15	1.00 - 2.00
5A-00069	30161	U-233/234	0.876	0.01	0.048	2.02	1.00 - 2.00
5A-00069	30161	U-238	0.932	0.008	0.05	1.8	1.00 - 2.00
5A-00069	30161	Pb-214	0.97	0.022	0.05	1.7	1.00 - 2.00
5A-00069	30161	Bi-214	0.862	0.023	0.045	1.59	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00069	30161	Tl-208	0.477	0.015	0.025	0.937	1.00 - 2.00
5A-00069	30161	Pa-231	-0.0041 U	0.51	0.0032	0.936	1.00 - 2.00
5A-00069	30161	Sr-90	0.014 U	0.034	0.01	0.485	1.00 - 2.00
5A-00069	30161	Sb-125	0.101 SK	0.034	0.0085	0.354	1.00 - 2.00
5A-00069	30161	Eu-155	0.057 SK	0.032	0.013	0.231	1.00 - 2.00
5A-00069	30161	Ac-227	0.074	0.12	0.018	0.217	1.00 - 2.00
5A-00069	30161	Cs-137	0.0344	0.0095	0.0046	0.207	1.00 - 2.00
5A-00069	30161	U-235/236	0.0459	0.0035	0.0079	0.151	1.00 - 2.00
5A-00069	30161	Eu-154	0.011 U	0.079	0.024	0.15	1.00 - 2.00
5A-00069	30161	Th-229	0.0048	0.012	0.0037	0.145	1.00 - 2.00
5A-00069	30161	Np-239	-0.007 U	0.052	0.016	0.139	1.00 - 2.00
5A-00069	30161	Cs-134	0.0041 U	0.039	0.0046	0.0864	1.00 - 2.00
5A-00069	30161	Te-125m	0.0233 SK	0.0079	0.002	0.0838	1.00 - 2.00
5A-00069	30161	Eu-152	-0.013 U	0.033	0.01	0.0566	1.00 - 2.00
5A-00069	30161	Np-236	-0.0034 U	0.027	0.0082	0.047	1.00 - 2.00
5A-00069	30161	Am-241	0.0011 U	0.012	0.0028	0.0454	1.00 - 2.00
5A-00069	30161	Cm-243/244	0.0011 U	0.0029	0.0011	0.0443	1.00 - 2.00
5A-00069	30161	Ho-166m	0.005 U	0.02	0.0083	0.0432	1.00 - 2.00
5A-00069	30161	Pu-238	0.0003 U	0.0051	0.001	0.0415	1.00 - 2.00
5A-00069	30161	Pu-239/240	-0.0005 U	0.0051	0.0005	0.0404	1.00 - 2.00
5A-00069	30161	Cm-245/246	0.0012 U	0.0091	0.0021	0.0401	1.00 - 2.00
5A-00069	30161	Na-22	-0.0103 U	0.02	0.0061	0.037	1.00 - 2.00
5A-00069	30161	Pu-244	0.0009 U	0.0023	0.0009	0.0313	1.00 - 2.00
5A-00069	30161	Cm-247/248	0.0036	0.0033	0.0021	0.0306	1.00 - 2.00
5A-00069	30161	Co-60	0.0055 U	0.012	0.0036	0.028	1.00 - 2.00
5A-00069	30161	Sn-126	0.0013 U	0.013	0.004	0.0237	1.00 - 2.00
5A-00069	30161	Nb-94	0.0005 U	0.012	0.001	0.0214	1.00 - 2.00
5A-00070	30162	Cd-113m	-2 U	34	10	3030	1.00 - 2.00
5A-00070	30162	Tm-171	0.4 U J	4.4	1.3	72.4	1.00 - 2.00
5A-00070	30162	K-40	19.5	0.14	0.995	32.4	1.00 - 2.00
5A-00070	30162	Th-228	1.33	0.015	0.066	3.98	1.00 - 2.00
5A-00070	30162	Th-234	0.368 R	0.14	0.047	3.19	1.00 - 2.00
5A-00070	30162	Th-232	1.32	0.002	0.065	3.1	1.00 - 2.00
5A-00070	30162	Pb-212	1.53	0.02	0.1	2.69	1.00 - 2.00
5A-00070	30162	Th-230	0.989	0.003	0.051	2.2	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00070	30162	Bi-212	0.959	0.11	0.079	2.15	1.00 - 2.00
5A-00070	30162	U-233/234	0.758	0.015	0.044	2.02	1.00 - 2.00
5A-00070	30162	U-238	0.805	0.009	0.046	1.8	1.00 - 2.00
5A-00070	30162	Pb-214	0.871	0.023	0.047	1.7	1.00 - 2.00
5A-00070	30162	Bi-214	0.791	0.02	0.043	1.59	1.00 - 2.00
5A-00070	30162	Tl-208	0.451	0.014	0.025	0.937	1.00 - 2.00
5A-00070	30162	Pa-231	0.03 U	0.47	0.14	0.936	1.00 - 2.00
5A-00070	30162	Sr-90	0.035	0.054	0.017	0.485	1.00 - 2.00
5A-00070	30162	Sb-125	0.13 JSK	0.032	0.012	0.354	1.00 - 2.00
5A-00070	30162	Eu-155	0.074 SK	0.027	0.011	0.231	1.00 - 2.00
5A-00070	30162	Ac-227	0.072	0.079	0.019	0.217	1.00 - 2.00
5A-00070	30162	Cs-137	-0.005 U	0.012	0.0037	0.207	1.00 - 2.00
5A-00070	30162	U-235/236	0.02	0.014	0.0064	0.151	1.00 - 2.00
5A-00070	30162	Eu-154	-0.002 U	0.072	0.021	0.15	1.00 - 2.00
5A-00070	30162	Th-229	0.0014 U	0.013	0.0032	0.145	1.00 - 2.00
5A-00070	30162	Np-239	0.014 U	0.072	0.022	0.139	1.00 - 2.00
5A-00070	30162	Cs-134	0.0096 U J	0.035	0.0029	0.0864	1.00 - 2.00
5A-00070	30162	Te-125m	0.03 JSK	0.0073	0.0028	0.0838	1.00 - 2.00
5A-00070	30162	Eu-152	0.0266 K R	0.027	0.0091	0.0566	1.00 - 2.00
5A-00070	30162	Np-236	-0.0066 U	0.026	0.008	0.047	1.00 - 2.00
5A-00070	30162	Am-241	0.0017 U	0.0023	0.0012	0.0454	1.00 - 2.00
5A-00070	30162	Cm-243/244	0.0017 U	0.0078	0.0021	0.0443	1.00 - 2.00
5A-00070	30162	Ho-166m	0.0362 SK	0.019	0.0042	0.0432	1.00 - 2.00
5A-00070	30162	Pu-238	0.0019	0.0046	0.0014	0.0415	1.00 - 2.00
5A-00070	30162	Pu-239/240	-0.0005 U	0.0046	0.0005	0.0404	1.00 - 2.00
5A-00070	30162	Cm-245/246	0.0027	0.0037	0.0019	0.0401	1.00 - 2.00
5A-00070	30162	Na-22	0.0003 U	0.018	0.0053	0.037	1.00 - 2.00
5A-00070	30162	Pu-244	0.0008 U	0.0021	0.0008	0.0313	1.00 - 2.00
5A-00070	30162	Cm-247/248	0 U	0.0036	0.0008	0.0306	1.00 - 2.00
5A-00070	30162	Co-60	-0.0003 U	0.011	0.0033	0.028	1.00 - 2.00
5A-00070	30162	Sn-126	-0.0015 U	0.012	0.0035	0.0237	1.00 - 2.00
5A-00070	30162	Nb-94	0.0028 U	0.011	0.0032	0.0214	1.00 - 2.00
5A-00071	30163	Cd-113m	-0.006 U	39	12	3030	1.00 - 5.00
5A-00071	30163	Tm-171	1.3 U J	5	1.5	72.4	1.00 - 5.00
5A-00071	30163	K-40	22.1	0.1	1.1	32.4	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00071	30163	Th-228	1.57	0.011	0.077	3.98	1.00 - 5.00
5A-00071	30163	Th-234	1.9 R	0.15	0.13	3.19	1.00 - 5.00
5A-00071	30163	Th-232	1.46	0.009	0.072	3.1	1.00 - 5.00
5A-00071	30163	Pb-212	1.89	0.02	0.12	2.69	1.00 - 5.00
5A-00071	30163	Th-230	1.27	0.01	0.065	2.2	1.00 - 5.00
5A-00071	30163	Bi-212	1.24	0.13	0.0995	2.15	1.00 - 5.00
5A-00071	30163	U-233/234	0.861	0.007	0.046	2.02	1.00 - 5.00
5A-00071	30163	U-238	0.971	0.003	0.051	1.8	1.00 - 5.00
5A-00071	30163	Pb-214	1.23	0.024	0.066	1.7	1.00 - 5.00
5A-00071	30163	Bi-214	1.07	0.026	0.058	1.59	1.00 - 5.00
5A-00071	30163	Tl-208	0.563	0.017	0.031	0.937	1.00 - 5.00
5A-00071	30163	Pa-231	-0.08 U	0.56	0.17	0.936	1.00 - 5.00
5A-00071	30163	Sr-90	0.032	0.047	0.015	0.485	1.00 - 5.00
5A-00071	30163	Sb-125	0.119 JSK	0.036	0.0094	0.354	1.00 - 5.00
5A-00071	30163	Eu-155	0.089 SK	0.03	0.012	0.231	1.00 - 5.00
5A-00071	30163	Ac-227	0.398 RZ	0.13	0.026	0.217	1.00 - 5.00
5A-00071	30163	Cs-137	-0.0047 U	0.015	0.0045	0.207	1.00 - 5.00
5A-00071	30163	U-235/236	0.0459	0.0033	0.0077	0.151	1.00 - 5.00
5A-00071	30163	Eu-154	0.018 U	0.097	0.013	0.15	1.00 - 5.00
5A-00071	30163	Th-229	0.0022 U	0.01	0.0028	0.145	1.00 - 5.00
5A-00071	30163	Np-239	0.016 U	0.085	0.026	0.139	1.00 - 5.00
5A-00071	30163	Cs-134	0.0196 U J	0.051	0.0047	0.0864	1.00 - 5.00
5A-00071	30163	Te-125m	0.0275 JSK	0.0083	0.0022	0.0838	1.00 - 5.00
5A-00071	30163	Eu-152	0.0098 U	0.036	0.0065	0.0566	1.00 - 5.00
5A-00071	30163	Np-236	-0.0067 U	0.03	0.0091	0.047	1.00 - 5.00
5A-00071	30163	Am-241	0.0022 U	0.0089	0.0025	0.0454	1.00 - 5.00
5A-00071	30163	Cm-243/244	0.0015 U	0.008	0.0021	0.0443	1.00 - 5.00
5A-00071	30163	Ho-166m	0.0076 U	0.022	0.0063	0.0432	1.00 - 5.00
5A-00071	30163	Pu-238	0.0025	0.0043	0.0015	0.0415	1.00 - 5.00
5A-00071	30163	Pu-239/240	0.0007 U	0.002	0.0007	0.0404	1.00 - 5.00
5A-00071	30163	Cm-245/246	0 U	0.0055	0.0012	0.0401	1.00 - 5.00
5A-00071	30163	Na-22	0.0014 U	0.021	0.0063	0.037	1.00 - 5.00
5A-00071	30163	Pu-244	0.0036	0.002	0.0016	0.0313	1.00 - 5.00
5A-00071	30163	Cm-247/248	0.002 U	0.0054	0.002	0.0306	1.00 - 5.00
5A-00071	30163	Co-60	0.0014 U	0.015	0.0023	0.028	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00071	30163	Sn-126	-0.0006 U	0.014	0.0042	0.0237	1.00 - 5.00
5A-00071	30163	Nb-94	0.0039 U	0.012	0.0028	0.0214	1.00 - 5.00
5A-00072	30164	Cd-113m	46.7	83.2	28.7	3030	0.00 - 0.50
5A-00072	30165	Cd-113m	-46.8 U	112	38	3030	1.00 - 5.00
5A-00072	30164	Tm-171	-0.47 U	9.72	3.38	72.4	0.00 - 0.50
5A-00072	30165	Tm-171	3.86 U	10.9	3.76	72.4	1.00 - 5.00
5A-00072	30164	K-40	22.3	0.0876	1.26	32.4	0.00 - 0.50
5A-00072	30165	K-40	21.5	0.131	1.22	32.4	1.00 - 5.00
5A-00072	30164	Th-228	1.57	0.108	0.156	3.98	0.00 - 0.50
5A-00072	30165	Th-228	1.61	0.0237	0.161	3.98	1.00 - 5.00
5A-00072	30164	Th-234	1.31	0.189	0.111	3.19	0.00 - 0.50
5A-00072	30165	Th-234	1.76	0.226	0.153	3.19	1.00 - 5.00
5A-00072	30164	Th-232	1.13	0.0648	0.117	3.1	0.00 - 0.50
5A-00072	30165	Th-232	1.63	0.0711	0.158	3.1	1.00 - 5.00
5A-00072	30164	Pb-212	1.6	0.0238	0.0941	2.69	0.00 - 0.50
5A-00072	30165	Pb-212	1.57	0.031	0.0909	2.69	1.00 - 5.00
5A-00072	30164	Th-230	0.791	0.0515	0.0915	2.2	0.00 - 0.50
5A-00072	30165	Th-230	1.13	0.0713	0.121	2.2	1.00 - 5.00
5A-00072	30164	Bi-212	0.985	0.0961	0.0648	2.15	0.00 - 0.50
5A-00072	30165	Bi-212	0.846	0.146	0.0795	2.15	1.00 - 5.00
5A-00072	30164	U-233/234	0.841	0.0422	0.0872	2.02	0.00 - 0.50
5A-00072	30165	U-233/234	1.04	0.0621	0.107	2.02	1.00 - 5.00
5A-00072	30164	U-238	0.727	0.0335	0.0781	1.8	0.00 - 0.50
5A-00072	30165	U-238	1.08	0.038	0.109	1.8	1.00 - 5.00
5A-00072	30164	Pb-214	0.95	0.0217	0.0436	1.7	0.00 - 0.50
5A-00072	30165	Pb-214	0.996	0.0311	0.0477	1.7	1.00 - 5.00
5A-00072	30164	Bi-214	0.874	0.0187	0.0392	1.59	0.00 - 0.50
5A-00072	30165	Bi-214	0.952	0.0285	0.0462	1.59	1.00 - 5.00
5A-00072	30164	Tl-208	0.488	0.0122	0.026	0.937	0.00 - 0.50
5A-00072	30165	Tl-208	0.497	0.0178	0.0296	0.937	1.00 - 5.00
5A-00072	30164	Pa-231	-0.163 U	0.506	0.163	0.936	0.00 - 0.50
5A-00072	30165	Pa-231	-0.16 U	0.705	0.222	0.936	1.00 - 5.00
5A-00072	30164	Sr-90	-0.0486 U	0.28	0.0698	0.485	0.00 - 0.50
5A-00072	30165	Sr-90	0.196 U	0.34	0.107	0.485	1.00 - 5.00
5A-00072	30164	Sb-125	0.0067 U	0.0313	0.0093	0.354	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00072	30165	Sb-125	0.0402 SK	0.0449	0.0162	0.354	1.00 - 5.00
5A-00072	30164	Eu-155	0.102 SK	0.0442	0.0227	0.231	0.00 - 0.50
5A-00072	30165	Eu-155	0.0814 SK	0.0567	0.0239	0.231	1.00 - 5.00
5A-00072	30164	Ac-227	0.0157 U	0.125	0.0432	0.217	0.00 - 0.50
5A-00072	30165	Ac-227	-0.0559 U	0.171	0.0527	0.217	1.00 - 5.00
5A-00072	30164	Cs-137	0.0401 U	0.0116	0.0051	0.207	0.00 - 0.50
5A-00072	30165	Cs-137	0.0012 U	0.0166	0.0056	0.207	1.00 - 5.00
5A-00072	30164	U-235/236	0.0449	0.0152	0.0162	0.151	0.00 - 0.50
5A-00072	30165	U-235/236	0.0447	0.0173	0.0172	0.151	1.00 - 5.00
5A-00072	30164	Eu-154	-0.0013 U	0.0678	0.0232	0.15	0.00 - 0.50
5A-00072	30165	Eu-154	-0.0389 U	0.102	0.0328	0.15	1.00 - 5.00
5A-00072	30164	Th-229	0.0281 U	0.0989	0.0281	0.145	0.00 - 0.50
5A-00072	30165	Th-229	0.0231 U	0.101	0.0278	0.145	1.00 - 5.00
5A-00072	30164	Np-239	-0.062 J U	0.0808	0.0291	0.139	0.00 - 0.50
5A-00072	30165	Np-239	0.0507 U	0.113	0.0351	0.139	1.00 - 5.00
5A-00072	30164	Cs-134	0.0012 U	0.0109	0.0038	0.0864	0.00 - 0.50
5A-00072	30165	Cs-134	-0.0038 U	0.0152	0.0053	0.0864	1.00 - 5.00
5A-00072	30164	Eu-152	-0.0092 U	0.0307	0.0096	0.0566	0.00 - 0.50
5A-00072	30165	Eu-152	-0.0027 U	0.0436	0.0136	0.0566	1.00 - 5.00
5A-00072	30164	Np-236	-0.0107 U	0.0234	0.0074	0.047	0.00 - 0.50
5A-00072	30165	Np-236	0.0005 U	0.0304	0.0093	0.047	1.00 - 5.00
5A-00072	30164	Am-241	0.0056	0.0076	0.004	0.0454	0.00 - 0.50
5A-00072	30165	Am-241	0.0057	0.0077	0.004	0.0454	1.00 - 5.00
5A-00072	30164	Pu-236	0.0046 U	0.0279	0.0073	0.0448	0.00 - 0.50
5A-00072	30165	Pu-236	-0.0028 U	0.0342	0.0075	0.0448	1.00 - 5.00
5A-00072	30164	Cm-243/244	0.0057	0.0077	0.004	0.0443	0.00 - 0.50
5A-00072	30165	Cm-243/244	0.0028 U	0.0194	0.0045	0.0443	1.00 - 5.00
5A-00072	30164	Ho-166m	-0.0017 U	0.0178	0.0055	0.0432	0.00 - 0.50
5A-00072	30165	Ho-166m	-0.0052 U	0.026	0.0079	0.0432	1.00 - 5.00
5A-00072	30164	Pu-238	-0.0121 U	0.0442	0.0107	0.0415	0.00 - 0.50
5A-00072	30165	Pu-238	-0.0076 U	0.0272	0.0051	0.0415	1.00 - 5.00
5A-00072	30164	Pu-239/240	0.002 U	0.0216	0.0053	0.0404	0.00 - 0.50
5A-00072	30165	Pu-239/240	0.0101	0.0185	0.0062	0.0404	1.00 - 5.00
5A-00072	30164	Na-22	0.0032 U	0.0156	0.0047	0.037	0.00 - 0.50
5A-00072	30165	Na-22	-0.0197 J U	0.0221	0.0083	0.037	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00072	30164	Pu-244	0.006 U	0.0216	0.006	0.0313	0.00 - 0.50
5A-00072	30165	Pu-244	0 U	0.0185	0.0036	0.0313	1.00 - 5.00
5A-00072	30164	Co-60	-0.0041 U	0.0121	0.0039	0.028	0.00 - 0.50
5A-00072	30165	Co-60	0.0051 U	0.0191	0.0056	0.028	1.00 - 5.00
5A-00072	30164	Sn-126	0.0015 U	0.0115	0.0035	0.0237	0.00 - 0.50
5A-00072	30165	Sn-126	-0.0038 U	0.017	0.0052	0.0237	1.00 - 5.00
5A-00072	30164	Nb-94	0.0038 U	0.0104	0.0032	0.0214	0.00 - 0.50
5A-00072	30165	Nb-94	0.0082 SK	0.0159	0.005	0.0214	1.00 - 5.00
5A-00073	30166	Cd-113m	0.07 U	30	9.1	3030	1.00 - 2.50
5A-00073	30166	Tm-171	1.1 U	4.5	1.4	72.4	1.00 - 2.50
5A-00073	30166	K-40	19.2	0.14	0.98	32.4	1.00 - 2.50
5A-00073	30166	Th-228	1.76 K	0.014	0.085	3.98	1.00 - 2.50
5A-00073	30166	Th-234	1.59 R	0.13	0.11	3.19	1.00 - 2.50
5A-00073	30166	Th-232	1.73	0.007	0.083	3.1	1.00 - 2.50
5A-00073	30166	Pb-212	1.95	0.02	0.13	2.69	1.00 - 2.50
5A-00073	30166	Th-230	1.21 K	0.007	0.061	2.2	1.00 - 2.50
5A-00073	30166	Bi-212	1.19	0.11	0.087	2.15	1.00 - 2.50
5A-00073	30166	U-233/234	0.816	0.011	0.046	2.02	1.00 - 2.50
5A-00073	30166	U-238	0.8	0.003	0.046	1.8	1.00 - 2.50
5A-00073	30166	Pb-214	0.963	0.022	0.052	1.7	1.00 - 2.50
5A-00073	30166	Bi-214	0.847	0.021	0.046	1.59	1.00 - 2.50
5A-00073	30166	Tl-208	0.584	0.016	0.032	0.937	1.00 - 2.50
5A-00073	30166	Pa-231	0.13 U	0.51	0.15	0.936	1.00 - 2.50
5A-00073	30166	Sr-90	0.005 U	0.038	0.011	0.485	1.00 - 2.50
5A-00073	30166	Sb-125	0.143 SK	0.034	0.01	0.354	1.00 - 2.50
5A-00073	30166	Eu-155	0.094 SK	0.031	0.014	0.231	1.00 - 2.50
5A-00073	30166	Ac-227	0.023 U	0.12	0.036	0.217	1.00 - 2.50
5A-00073	30166	Cs-137	0.0002 U	0.012	0.0037	0.207	1.00 - 2.50
5A-00073	30166	U-235/236	0.0254	0.004	0.0062	0.151	1.00 - 2.50
5A-00073	30166	Eu-154	0.016 U	0.079	0.012	0.15	1.00 - 2.50
5A-00073	30166	Th-229	0.0108	0.0088	0.004	0.145	1.00 - 2.50
5A-00073	30166	Np-239	0.015 U	0.077	0.023	0.139	1.00 - 2.50
5A-00073	30166	Cs-134	0.0189 U J	0.045	0.0045	0.0864	1.00 - 2.50
5A-00073	30166	Te-125m	0.0331 SK	0.0079	0.0024	0.0838	1.00 - 2.50
5A-00073	30166	Eu-152	-0.0085 U	0.028	0.0085	0.0566	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00073	30166	Np-236	-0.0071 U	0.027	0.0082	0.047	1.00 - 2.50
5A-00073	30166	Am-241	0.004	0.0022	0.0018	0.0454	1.00 - 2.50
5A-00073	30166	Cm-243/244	0.0024	0.0022	0.0014	0.0443	1.00 - 2.50
5A-00073	30166	Ho-166m	0.0093 U	0.02	0.0066	0.0432	1.00 - 2.50
5A-00073	30166	Pu-238	0.0016	0.0022	0.0012	0.0415	1.00 - 2.50
5A-00073	30166	Pu-239/240	0 U	0.0022	0.0005	0.0404	1.00 - 2.50
5A-00073	30166	Cm-245/246	0.0009 U	0.0024	0.0009	0.0401	1.00 - 2.50
5A-00073	30166	Na-22	0 U J	0.019	0.0058	0.037	1.00 - 2.50
5A-00073	30166	Pu-244	0.0025	0.0022	0.0014	0.0313	1.00 - 2.50
5A-00073	30166	Cm-247/248	0.0009 U	0.0023	0.0009	0.0306	1.00 - 2.50
5A-00073	30166	Co-60	0.0003 U	0.015	0.0004	0.028	1.00 - 2.50
5A-00073	30166	Sn-126	0.0031 U	0.013	0.0038	0.0237	1.00 - 2.50
5A-00073	30166	Nb-94	0.0027 U J	0.012	0.0035	0.0214	1.00 - 2.50
5A-00075	30169	Cd-113m	-0.3 U	27	8.1	3030	1.00 - 3.50
5A-00075	30169	Tm-171	0.2 U	4.5	1.4	72.4	1.00 - 3.50
5A-00075	30169	K-40	22.7	0.1	1.2	32.4	1.00 - 3.50
5A-00075	30169	Th-228	1.54	0.018	0.076	3.98	1.00 - 3.50
5A-00075	30169	Th-234	2.12 R	0.14	0.13	3.19	1.00 - 3.50
5A-00075	30169	Th-232	1.44	0.008	0.072	3.1	1.00 - 3.50
5A-00075	30169	Pb-212	1.79	0.02	0.12	2.69	1.00 - 3.50
5A-00075	30169	Th-230	1.73	0.003	0.084	2.2	1.00 - 3.50
5A-00075	30169	Bi-212	1.2	0.12	0.095	2.15	1.00 - 3.50
5A-00075	30169	U-233/234	1.49 J	0.014	0.078	2.02	1.00 - 3.50
5A-00075	30169	U-238	1.44 J	0.016	0.077	1.8	1.00 - 3.50
5A-00075	30169	Pb-214	1.48	0.021	0.078	1.7	1.00 - 3.50
5A-00075	30169	Bi-214	1.3	0.021	0.069	1.59	1.00 - 3.50
5A-00075	30169	Tl-208	0.544	0.016	0.03	0.937	1.00 - 3.50
5A-00075	30169	Pa-231	-0.2 U	0.52	0.16	0.936	1.00 - 3.50
5A-00075	30169	Sr-90	-0.002 U	0.039	0.011	0.485	1.00 - 3.50
5A-00075	30169	Sb-125	0.174 SK	0.037	0.013	0.354	1.00 - 3.50
5A-00075	30169	Eu-155	0.072 SK	0.03	0.013	0.231	1.00 - 3.50
5A-00075	30169	Ac-227	0.095	0.089	0.018	0.217	1.00 - 3.50
5A-00075	30169	Cs-137	-0.0091 U J	0.014	0.0044	0.207	1.00 - 3.50
5A-00075	30169	U-235/236	0.066 J	0.014	0.012	0.151	1.00 - 3.50
5A-00075	30169	Eu-154	0.023 U	0.083	0.011	0.15	1.00 - 3.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00075	30169	Th-229	0.0074	0.014	0.0045	0.145	1.00 - 3.50
5A-00075	30169	Np-239	0.016 U	0.08	0.024	0.139	1.00 - 3.50
5A-00075	30169	Cs-134	0.0067 U J	0.048	0.0059	0.0864	1.00 - 3.50
5A-00075	30169	Te-125m	0.0403 SK	0.0086	0.0031	0.0838	1.00 - 3.50
5A-00075	30169	Eu-152	-0.01 U	0.034	0.01	0.0566	1.00 - 3.50
5A-00075	30169	Np-236	-0.0003 U	0.024	0.0072	0.047	1.00 - 3.50
5A-00075	30169	Am-241	0.0051	0.0035	0.0026	0.0454	1.00 - 3.50
5A-00075	30169	Cm-243/244	0.0013 U	0.0035	0.0013	0.0443	1.00 - 3.50
5A-00075	30169	Ho-166m	0.0059 U	0.021	0.0057	0.0432	1.00 - 3.50
5A-00075	30169	Pu-238	-0.0006 U	0.0058	0.0006	0.0415	1.00 - 3.50
5A-00075	30169	Pu-239/240	0.0019	0.0026	0.0014	0.0404	1.00 - 3.50
5A-00075	30169	Cm-245/246	0.0051	0.0046	0.003	0.0401	1.00 - 3.50
5A-00075	30169	Na-22	-0.0007 U J	0.02	0.0097	0.037	1.00 - 3.50
5A-00075	30169	Pu-244	0.0014 U	0.0057	0.0015	0.0313	1.00 - 3.50
5A-00075	30169	Cm-247/248	0.004	0.01	0.0031	0.0306	1.00 - 3.50
5A-00075	30169	Co-60	0.0032 U	0.016	0.0032	0.028	1.00 - 3.50
5A-00075	30169	Sn-126	-0.0032 U	0.012	0.0037	0.0237	1.00 - 3.50
5A-00075	30169	Nb-94	0.0039 U J	0.012	0.0036	0.0214	1.00 - 3.50
5A-00076	30170	Cd-113m	3.66 U	75.8	22.1	3030	0.00 - 0.50
5A-00076	30171	Cd-113m	8 U	34	10	3030	1.00 - 5.00
5A-00076	30170	Tm-171	-0.56 U	8	2.67	72.4	0.00 - 0.50
5A-00076	30171	Tm-171	0.3 U J	3.8	1.1	72.4	1.00 - 5.00
5A-00076	30170	K-40	19.9	0.0938	1.11	32.4	0.00 - 0.50
5A-00076	30171	K-40	19.3	0.12	0.94	32.4	1.00 - 5.00
5A-00076	30170	Th-228	1.46	0.0946	0.146	3.98	0.00 - 0.50
5A-00076	30171	Th-228	1.62	0.014	0.078	3.98	1.00 - 5.00
5A-00076	30170	Th-234	1.25	0.167	0.114	3.19	0.00 - 0.50
5A-00076	30171	Th-234	0.868 R	0.14	0.063	3.19	1.00 - 5.00
5A-00076	30170	Th-232	1.25	0.0492	0.123	3.1	0.00 - 0.50
5A-00076	30171	Th-232	1.62	0.002	0.078	3.1	1.00 - 5.00
5A-00076	30170	Pb-212	1.54	0.0218	0.0892	2.69	0.00 - 0.50
5A-00076	30171	Pb-212	1.87	0.02	0.1	2.69	1.00 - 5.00
5A-00076	30170	Th-230	0.563	0.0182	0.0716	2.2	0.00 - 0.50
5A-00076	30171	Th-230	1.33	0.002	0.065	2.2	1.00 - 5.00
5A-00076	30170	Bi-212	0.91	0.0856	0.0635	2.15	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00076	30171	Bi-212	1.09	0.092	0.073	2.15	1.00 - 5.00
5A-00076	30170	U-233/234	0.588	0.0342	0.0629	2.02	0.00 - 0.50
5A-00076	30171	U-233/234	0.826	0.003	0.046	2.02	1.00 - 5.00
5A-00076	30170	U-238	0.623	0.0342	0.0656	1.8	0.00 - 0.50
5A-00076	30171	U-238	0.865	0.008	0.047	1.8	1.00 - 5.00
5A-00076	30170	Pb-214	0.761	0.0196	0.0354	1.7	0.00 - 0.50
5A-00076	30171	Pb-214	1.2	0.023	0.061	1.7	1.00 - 5.00
5A-00076	30170	Bi-214	0.693	0.0178	0.0314	1.59	0.00 - 0.50
5A-00076	30171	Bi-214	1.06	0.021	0.054	1.59	1.00 - 5.00
5A-00076	30170	Tl-208	0.487	0.0109	0.0255	0.937	0.00 - 0.50
5A-00076	30171	Tl-208	0.564	0.013	0.029	0.937	1.00 - 5.00
5A-00076	30170	Pa-231	0.0761 U	0.461	0.146	0.936	0.00 - 0.50
5A-00076	30171	Pa-231	0.11 U	0.43	0.13	0.936	1.00 - 5.00
5A-00076	30170	Sr-90	-0.0617 U K	0.149	0.0334	0.485	0.00 - 0.50
5A-00076	30171	Sr-90	-0.01 U	0.054	0.015	0.485	1.00 - 5.00
5A-00076	30170	Sb-125	0.0253 SK	0.0283	0.0101	0.354	0.00 - 0.50
5A-00076	30171	Sb-125	0.179 JSK	0.031	0.013	0.354	1.00 - 5.00
5A-00076	30170	Eu-155	0.0868 SK	0.0406	0.0182	0.231	0.00 - 0.50
5A-00076	30171	Eu-155	0.092 SK	0.03	0.013	0.231	1.00 - 5.00
5A-00076	30170	Ac-227	-0.0576 U	0.112	0.0357	0.217	0.00 - 0.50
5A-00076	30171	Ac-227	0.092	0.093	0.018	0.217	1.00 - 5.00
5A-00076	30170	Cs-137	0.0216	0.0106	0.0046	0.207	0.00 - 0.50
5A-00076	30171	Cs-137	-0.0099 U J	0.014	0.0042	0.207	1.00 - 5.00
5A-00076	30170	U-235/236	0.0319	0.0123	0.0123	0.151	0.00 - 0.50
5A-00076	30171	U-235/236	0.048	0.012	0.0087	0.151	1.00 - 5.00
5A-00076	30170	Eu-154	-0.0181 U	0.0576	0.0178	0.15	0.00 - 0.50
5A-00076	30171	Eu-154	-0.048 U	0.081	0.025	0.15	1.00 - 5.00
5A-00076	30170	Th-229	0.0336 U	0.0881	0.0261	0.145	0.00 - 0.50
5A-00076	30171	Th-229	0.0089	0.012	0.0041	0.145	1.00 - 5.00
5A-00076	30170	Np-239	-0.0207 U	0.0762	0.0245	0.139	0.00 - 0.50
5A-00076	30171	Np-239	0.006 U	0.075	0.023	0.139	1.00 - 5.00
5A-00076	30170	Cs-134	0.0051 SK	0.0098	0.0036	0.0864	0.00 - 0.50
5A-00076	30171	Cs-134	0.0143 U J	0.039	0.0037	0.0864	1.00 - 5.00
5A-00076	30171	Te-125m	0.0414 JSK	0.0072	0.0029	0.0838	1.00 - 5.00
5A-00076	30170	Eu-152	-0.0115 U	0.0277	0.0098	0.0566	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00076	30171	Eu-152	-0.0016 U	0.032	0.0036	0.0566	1.00 - 5.00
5A-00076	30170	Np-236	0.0012 U	0.0215	0.0069	0.047	0.00 - 0.50
5A-00076	30171	Np-236	-0.0063 U	0.026	0.0078	0.047	1.00 - 5.00
5A-00076	30170	Am-241	0.003 U	0.0149	0.0038	0.0454	0.00 - 0.50
5A-00076	30171	Am-241	0.0042	0.0019	0.0017	0.0454	1.00 - 5.00
5A-00076	30170	Pu-236	-0.0069 U	0.0279	0.0054	0.0448	0.00 - 0.50
5A-00076	30170	Cm-243/244	0.0025 U	0.0123	0.0031	0.0443	0.00 - 0.50
5A-00076	30171	Cm-243/244	0.0028	0.0066	0.002	0.0443	1.00 - 5.00
5A-00076	30170	Ho-166m	-0.0004 U	0.0154	0.0047	0.0432	0.00 - 0.50
5A-00076	30171	Ho-166m	0.0057 U	0.02	0.0037	0.0432	1.00 - 5.00
5A-00076	30170	Pu-238	0.0043 U	0.0204	0.0054	0.0415	0.00 - 0.50
5A-00076	30171	Pu-238	0.0052	0.002	0.002	0.0415	1.00 - 5.00
5A-00076	30170	Pu-239/240	0.0011 U	0.016	0.0035	0.0404	0.00 - 0.50
5A-00076	30171	Pu-239/240	0.003	0.002	0.0015	0.0404	1.00 - 5.00
5A-00076	30171	Cm-245/246	0.004	0.0054	0.0028	0.0401	1.00 - 5.00
5A-00076	30170	Na-22	-0.004 U	0.0132	0.0046	0.037	0.00 - 0.50
5A-00076	30171	Na-22	0.0014 U	0.018	0.0053	0.037	1.00 - 5.00
5A-00076	30170	Pu-244	0.0329	0.0129	0.0087	0.0313	0.00 - 0.50
5A-00076	30171	Pu-244	0 U	0.002	0.0004	0.0313	1.00 - 5.00
5A-00076	30171	Cm-247/248	0 U	0.0053	0.0012	0.0306	1.00 - 5.00
5A-00076	30170	Co-60	-0.0008 U	0.01	0.003	0.028	0.00 - 0.50
5A-00076	30171	Co-60	-0.0048 U	0.014	0.0041	0.028	1.00 - 5.00
5A-00076	30170	Sn-126	0.0013 U	0.0101	0.0031	0.0237	0.00 - 0.50
5A-00076	30171	Sn-126	0.0024 U	0.013	0.0038	0.0237	1.00 - 5.00
5A-00076	30170	Nb-94	0.0056 SK	0.0092	0.003	0.0214	0.00 - 0.50
5A-00076	30171	Nb-94	0.0068 SK	0.011	0.0033	0.0214	1.00 - 5.00
5A-00077	30172	Cd-113m	-1.83 U J	122	37.2	3030	0.00 - 0.50
5A-00077	30173	Cd-113m	4 U	46	14	3030	1.00 - 3.00
5A-00077	30172	Tm-171	-2.46 U	12.6	4.25	72.4	0.00 - 0.50
5A-00077	30173	Tm-171	-4 U	6.8	2.1	72.4	1.00 - 3.00
5A-00077	30172	K-40	31.5	0.127	1.69	32.4	0.00 - 0.50
5A-00077	30173	K-40	26.8	0.2	1.4	32.4	1.00 - 3.00
5A-00077	30172	Th-228	1.84	0.0686	0.158	3.98	0.00 - 0.50
5A-00077	30173	Th-228	1.63	0.012	0.082	3.98	1.00 - 3.00
5A-00077	30172	Th-234	2	0.27	0.157	3.19	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00077	30173	Th-234	2.35 R	0.17	0.15	3.19	1.00 - 3.00
5A-00077	30172	Th-232	1.32	0.0434	0.116	3.1	0.00 - 0.50
5A-00077	30173	Th-232	1.57	0.003	0.08	3.1	1.00 - 3.00
5A-00077	30172	Pb-212	2.13	0.0354	0.121	2.69	0.00 - 0.50
5A-00077	30173	Pb-212	2.13	0.03	0.14	2.69	1.00 - 3.00
5A-00077	30172	Th-230	1.39	0.0637	0.121	2.2	0.00 - 0.50
5A-00077	30173	Th-230	1.78	0.009	0.089	2.2	1.00 - 3.00
5A-00077	30172	Bi-212	1.29	0.148	0.105	2.15	0.00 - 0.50
5A-00077	30173	Bi-212	1.43	0.15	0.11	2.15	1.00 - 3.00
5A-00077	30172	U-233/234	1.38	0.0595	0.134	2.02	0.00 - 0.50
5A-00077	30173	U-233/234	0.903	0.007	0.047	2.02	1.00 - 3.00
5A-00077	30172	U-238	1.4	0.0431	0.135	1.8	0.00 - 0.50
5A-00077	30173	U-238	0.873	0.006	0.045	1.8	1.00 - 3.00
5A-00077	30172	Pb-214	1.37	0.0318	0.0633	1.7	0.00 - 0.50
5A-00077	30173	Pb-214	2.34 Y	0.03	0.12	1.7	1.00 - 3.00
5A-00077	30172	Bi-214	1.26	0.0295	0.0568	1.59	0.00 - 0.50
5A-00077	30173	Bi-214	2.05 Y	0.03	0.11	1.59	1.00 - 3.00
5A-00077	30172	Tl-208	0.695	0.0187	0.0384	0.937	0.00 - 0.50
5A-00077	30173	Tl-208	0.674	0.021	0.037	0.937	1.00 - 3.00
5A-00077	30172	Pa-231	-0.586 U J	0.736	0.27	0.936	0.00 - 0.50
5A-00077	30173	Pa-231	-0.004 U	0.68	0.2	0.936	1.00 - 3.00
5A-00077	30172	Sr-90	-0.0069 U K	0.111	0.0289	0.485	0.00 - 0.50
5A-00077	30173	Sr-90	0.025	0.043	0.013	0.485	1.00 - 3.00
5A-00077	30172	Sb-125	0.0037 U	0.0481	0.0146	0.354	0.00 - 0.50
5A-00077	30173	Sb-125	0.156 SK	0.048	0.013	0.354	1.00 - 3.00
5A-00077	30172	Eu-155	0.0913 SK	0.0652	0.0253	0.231	0.00 - 0.50
5A-00077	30173	Eu-155	0.097 SK	0.037	0.015	0.231	1.00 - 3.00
5A-00077	30172	Ac-227	-0.0848 U	0.18	0.0575	0.217	0.00 - 0.50
5A-00077	30173	Ac-227	-0.035 U	0.17	0.05	0.217	1.00 - 3.00
5A-00077	30172	Cs-137	0.0338	0.0161	0.0075	0.207	0.00 - 0.50
5A-00077	30173	Cs-137	-0.0094 U	0.018	0.0055	0.207	1.00 - 3.00
5A-00077	30172	U-235/236	0.054	0.0183	0.0195	0.151	0.00 - 0.50
5A-00077	30173	U-235/236	0.0412	0.0027	0.0067	0.151	1.00 - 3.00
5A-00077	30172	Eu-154	-0.0592 U	0.102	0.0336	0.15	0.00 - 0.50
5A-00077	30173	Eu-154	-0.045 U	0.1	0.031	0.15	1.00 - 3.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00077	30172	Th-229	0.0297	0.0161	0.0134	0.145	0.00 - 0.50
5A-00077	30173	Th-229	0.0002 U	0.02	0.0046	0.145	1.00 - 3.00
5A-00077	30172	Np-239	-0.0005 U	0.116	0.0342	0.139	0.00 - 0.50
5A-00077	30173	Np-239	-0.017 U	0.1	0.031	0.139	1.00 - 3.00
5A-00077	30172	Cs-134	-0.0057 U	0.0169	0.006	0.0864	0.00 - 0.50
5A-00077	30173	Cs-134	0.007 U J	0.077	0.017	0.0864	1.00 - 3.00
5A-00077	30173	Te-125m	0.0361 SK	0.011	0.0029	0.0838	1.00 - 3.00
5A-00077	30172	Eu-152	-0.0153 U	0.0443	0.0158	0.0566	0.00 - 0.50
5A-00077	30173	Eu-152	-0.012 U	0.043	0.013	0.0566	1.00 - 3.00
5A-00077	30172	Np-236	-0.0059 U	0.0336	0.0116	0.047	0.00 - 0.50
5A-00077	30173	Np-236	0.0009 U	0.036	0.011	0.047	1.00 - 3.00
5A-00077	30172	Am-241	0.0015 U	0.0137	0.0033	0.0454	0.00 - 0.50
5A-00077	30173	Am-241	0.0011 U	0.003	0.0011	0.0454	1.00 - 3.00
5A-00077	30172	Pu-236	-0.0018 U	0.0221	0.0049	0.0448	0.00 - 0.50
5A-00077	30172	Cm-243/244	-0.006 U	0.0213	0.0043	0.0443	0.00 - 0.50
5A-00077	30173	Cm-243/244	0.0022 U	0.01	0.0027	0.0443	1.00 - 3.00
5A-00077	30172	Ho-166m	0.0049 U	0.0275	0.0082	0.0432	0.00 - 0.50
5A-00077	30173	Ho-166m	0.014 SK	0.026	0.0051	0.0432	1.00 - 3.00
5A-00077	30172	Pu-238	-0.0048 U	0.0172	0.0032	0.0415	0.00 - 0.50
5A-00077	30173	Pu-238	0.0028	0.0025	0.0016	0.0415	1.00 - 3.00
5A-00077	30172	Pu-239/240	0.0048	0.0117	0.0036	0.0404	0.00 - 0.50
5A-00077	30173	Pu-239/240	0.0022	0.0054	0.0017	0.0404	1.00 - 3.00
5A-00077	30173	Cm-245/246	0.0053	0.013	0.0041	0.0401	1.00 - 3.00
5A-00077	30172	Na-22	0.0051 U	0.0239	0.0071	0.037	0.00 - 0.50
5A-00077	30173	Na-22	0.0003 U J	0.027	0.008	0.037	1.00 - 3.00
5A-00077	30172	Pu-244	0.0016 U	0.0117	0.0028	0.0313	0.00 - 0.50
5A-00077	30173	Pu-244	0 U	0.0025	0.0006	0.0313	1.00 - 3.00
5A-00077	30173	Cm-247/248	0 U	0.0059	0.0013	0.0306	1.00 - 3.00
5A-00077	30172	Co-60	-0.0049 U	0.0187	0.0057	0.028	0.00 - 0.50
5A-00077	30173	Co-60	0.0026 U	0.018	0.0053	0.028	1.00 - 3.00
5A-00077	30172	Sn-126	0.0075 U	0.0172	0.0053	0.0237	0.00 - 0.50
5A-00077	30173	Sn-126	0.0141	0.012	0.0055	0.0237	1.00 - 3.00
5A-00077	30172	Nb-94	0.0083 JSK	0.0156	0.0049	0.0214	0.00 - 0.50
5A-00077	30173	Nb-94	0.0066 U J	0.015	0.0046	0.0214	1.00 - 3.00
5A-00078	30174	Cd-113m	-84.9 U J	92.9	36.2	3030	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00078	30175	Cd-113m	3 U	48	14	3030	1.00 - 2.67
5A-00078	30174	Tm-171	-3.36 U	9.78	3.54	72.4	0.00 - 0.50
5A-00078	30175	Tm-171	0.9 U	5.1	1.5	72.4	1.00 - 2.67
5A-00078	30174	K-40	26.9	0.1	1.59	32.4	0.00 - 0.50
5A-00078	30175	K-40	24.1	0.2	1.2	32.4	1.00 - 2.67
5A-00078	30174	Th-228	1.67	0.0821	0.149	3.98	0.00 - 0.50
5A-00078	30175	Th-228	1.59	0.02	0.079	3.98	1.00 - 2.67
5A-00078	30174	Th-234	1.61	0.209	0.124	3.19	0.00 - 0.50
5A-00078	30175	Th-234	0.443 R	0.2	0.065	3.19	1.00 - 2.67
5A-00078	30174	Th-232	1.33	0.0565	0.118	3.1	0.00 - 0.50
5A-00078	30175	Th-232	1.55	0.003	0.077	3.1	1.00 - 2.67
5A-00078	30174	Pb-212	1.71	0.0282	0.104	2.69	0.00 - 0.50
5A-00078	30175	Pb-212	1.89	0.03	0.11	2.69	1.00 - 2.67
5A-00078	30174	Th-230	1.01	0.0657	0.0988	2.2	0.00 - 0.50
5A-00078	30175	Th-230	1.29	0.013	0.066	2.2	1.00 - 2.67
5A-00078	30174	Bi-212	1.06	0.112	0.0744	2.15	0.00 - 0.50
5A-00078	30175	Bi-212	1.25	0.16	0.1	2.15	1.00 - 2.67
5A-00078	30174	U-233/234	1.02	0.0539	0.106	2.02	0.00 - 0.50
5A-00078	30175	U-233/234	0.703	0.008	0.04	2.02	1.00 - 2.67
5A-00078	30174	U-238	0.973	0.0539	0.102	1.8	0.00 - 0.50
5A-00078	30175	U-238	0.711	0.008	0.041	1.8	1.00 - 2.67
5A-00078	30174	Pb-214	1.11	0.0249	0.0524	1.7	0.00 - 0.50
5A-00078	30175	Pb-214	1.24	0.033	0.064	1.7	1.00 - 2.67
5A-00078	30174	Bi-214	1.02	0.0217	0.0453	1.59	0.00 - 0.50
5A-00078	30175	Bi-214	1.11	0.034	0.059	1.59	1.00 - 2.67
5A-00078	30174	Tl-208	0.546	0.014	0.0292	0.937	0.00 - 0.50
5A-00078	30175	Tl-208	0.571	0.02	0.031	0.937	1.00 - 2.67
5A-00078	30174	Pa-231	-0.357 U	0.581	0.199	0.936	0.00 - 0.50
5A-00078	30175	Pa-231	0.16 U	0.68	0.2	0.936	1.00 - 2.67
5A-00078	30174	Sr-90	0.0027 U K	0.087	0.023	0.485	0.00 - 0.50
5A-00078	30175	Sr-90	0.004 U	0.041	0.012	0.485	1.00 - 2.67
5A-00078	30174	Sb-125	0.0132 U	0.036	0.0109	0.354	0.00 - 0.50
5A-00078	30175	Sb-125	0.163 SK	0.038	0.014	0.354	1.00 - 2.67
5A-00078	30174	Eu-155	0.0744 SK	0.0508	0.0165	0.231	0.00 - 0.50
5A-00078	30175	Eu-155	0.104 SK	0.037	0.015	0.231	1.00 - 2.67

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00078	30174	Ac-227	0.0432 U	0.145	0.045	0.217	0.00 - 0.50
5A-00078	30175	Ac-227	0.085	0.12	0.025	0.217	1.00 - 2.67
5A-00078	30174	Cs-137	0.113	0.0132	0.0086	0.207	0.00 - 0.50
5A-00078	30175	Cs-137	0.0116	0.019	0.0065	0.207	1.00 - 2.67
5A-00078	30174	U-235/236	0.0616	0.0423	0.022	0.151	0.00 - 0.50
5A-00078	30175	U-235/236	0.0411	0.012	0.008	0.151	1.00 - 2.67
5A-00078	30174	Eu-154	-0.0247 U	0.0765	0.0236	0.15	0.00 - 0.50
5A-00078	30175	Eu-154	-0.047 U	0.13	0.039	0.15	1.00 - 2.67
5A-00078	30174	Th-229	0.0061 U	0.0451	0.0106	0.145	0.00 - 0.50
5A-00078	30175	Th-229	-0.0013 U	0.016	0.0036	0.145	1.00 - 2.67
5A-00078	30174	Np-239	-0.0512 U	0.0932	0.031	0.139	0.00 - 0.50
5A-00078	30175	Np-239	-0.022 U	0.1	0.031	0.139	1.00 - 2.67
5A-00078	30174	Cs-134	0.001 U	0.0127	0.0044	0.0864	0.00 - 0.50
5A-00078	30175	Cs-134	0.0046 U J	0.039	0.0064	0.0864	1.00 - 2.67
5A-00078	30175	Te-125m	0.0377 SK	0.0088	0.0031	0.0838	1.00 - 2.67
5A-00078	30174	Eu-152	-0.0408 U J	0.0351	0.0151	0.0566	0.00 - 0.50
5A-00078	30175	Eu-152	0.0005 U	0.048	0.0007	0.0566	1.00 - 2.67
5A-00078	30174	Np-236	-0.0159 U	0.0262	0.0087	0.047	0.00 - 0.50
5A-00078	30175	Np-236	0.008 U	0.033	0.01	0.047	1.00 - 2.67
5A-00078	30174	Am-241	0.0075	0.0111	0.004	0.0454	0.00 - 0.50
5A-00078	30175	Am-241	0.0025 U	0.0078	0.0022	0.0454	1.00 - 2.67
5A-00078	30174	Pu-236	0 U	0.0142	0.0031	0.0448	0.00 - 0.50
5A-00078	30174	Cm-243/244	0.0046	0.0042	0.0027	0.0443	0.00 - 0.50
5A-00078	30175	Cm-243/244	0.0017 U	0.0023	0.0012	0.0443	1.00 - 2.67
5A-00078	30174	Ho-166m	-0.0115 U	0.0189	0.0065	0.0432	0.00 - 0.50
5A-00078	30175	Ho-166m	0.015 U	0.032	0.014	0.0432	1.00 - 2.67
5A-00078	30174	Pu-238	0.0027 U	0.016	0.0042	0.0415	0.00 - 0.50
5A-00078	30175	Pu-238	0.0014 U	0.0056	0.0015	0.0415	1.00 - 2.67
5A-00078	30174	Pu-239/240	0.0027 U	0.0143	0.0038	0.0404	0.00 - 0.50
5A-00078	30175	Pu-239/240	0.0015	0.0021	0.0011	0.0404	1.00 - 2.67
5A-00078	30175	Cm-245/246	0 U	0.0043	0.001	0.0401	1.00 - 2.67
5A-00078	30174	Na-22	-0.0055 U	0.0177	0.0055	0.037	0.00 - 0.50
5A-00078	30175	Na-22	-0.0044 U J	0.031	0.0094	0.037	1.00 - 2.67
5A-00078	30174	Pu-244	0.0093 K	0.0098	0.004	0.0313	0.00 - 0.50
5A-00078	30175	Pu-244	0.0015	0.0021	0.0011	0.0313	1.00 - 2.67

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00078	30175	Cm-247/248	0 U	0.0043	0.0009	0.0306	1.00 - 2.67
5A-00078	30174	Co-60	-0.0063 U	0.0137	0.0045	0.028	0.00 - 0.50
5A-00078	30175	Co-60	0.0008 U	0.024	0.0047	0.028	1.00 - 2.67
5A-00078	30174	Sn-126	0.0043 U	0.0126	0.0039	0.0237	0.00 - 0.50
5A-00078	30175	Sn-126	0.0029 U	0.018	0.0054	0.0237	1.00 - 2.67
5A-00078	30174	Nb-94	0.0019 U	0.0112	0.0034	0.0214	0.00 - 0.50
5A-00078	30175	Nb-94	0.0024 U J	0.016	0.0019	0.0214	1.00 - 2.67
5A-00079	30176	Cd-113m	0.9 U	41	12	3030	1.00 - 5.00
5A-00079	30176	Tm-171	-6.4 U J	5.9	1.9	72.4	1.00 - 5.00
5A-00079	30176	K-40	22.7	0.2	1.1	32.4	1.00 - 5.00
5A-00079	30176	Th-228	1.32	0.016	0.066	3.98	1.00 - 5.00
5A-00079	30176	Th-234	0.6 R	0.19	0.065	3.19	1.00 - 5.00
5A-00079	30176	Th-232	1.27	0.007	0.063	3.1	1.00 - 5.00
5A-00079	30176	Pb-212	1.79	0.026	0.088	2.69	1.00 - 5.00
5A-00079	30176	Th-230	1.03	0.003	0.053	2.2	1.00 - 5.00
5A-00079	30176	Bi-212	1.15	0.14	0.093	2.15	1.00 - 5.00
5A-00079	30176	U-233/234	0.597	0.006	0.033	2.02	1.00 - 5.00
5A-00079	30176	U-238	0.623	0.002	0.034	1.8	1.00 - 5.00
5A-00079	30176	Pb-214	1.11	0.03	0.064	1.7	1.00 - 5.00
5A-00079	30176	Bi-214	1.03	0.03	0.054	1.59	1.00 - 5.00
5A-00079	30176	Tl-208	0.584	0.021	0.032	0.937	1.00 - 5.00
5A-00079	30176	Pa-231	-0.005 U	0.58	0.17	0.936	1.00 - 5.00
5A-00079	30176	Sr-90	0.021	0.034	0.011	0.485	1.00 - 5.00
5A-00079	30176	Sb-125	0.179 SK	0.03	0.016	0.354	1.00 - 5.00
5A-00079	30176	Eu-155	0.082 SK	0.038	0.015	0.231	1.00 - 5.00
5A-00079	30176	Ac-227	0.061 U	0.16	0.021	0.217	1.00 - 5.00
5A-00079	30176	Cs-137	0.0407	0.016	0.008	0.207	1.00 - 5.00
5A-00079	30176	U-235/236	0.0333	0.0027	0.0059	0.151	1.00 - 5.00
5A-00079	30176	Eu-154	-0.032 U	0.11	0.033	0.15	1.00 - 5.00
5A-00079	30176	Th-229	0.0114	0.015	0.0054	0.145	1.00 - 5.00
5A-00079	30176	Np-239	-0.004 U	0.094	0.028	0.139	1.00 - 5.00
5A-00079	30176	Cs-134	0.008 U	0.059	0.018	0.0864	1.00 - 5.00
5A-00079	30176	Te-125m	0.0413 SK	0.007	0.0037	0.0838	1.00 - 5.00
5A-00079	30176	Eu-152	0.032	0.029	0.015	0.0566	1.00 - 5.00
5A-00079	30176	Np-236	-0.003 U	0.034	0.01	0.047	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00079	30176	Am-241	0.0016 U	0.0022	0.0011	0.0454	1.00 - 5.00
5A-00079	30176	Cm-243/244	0 U	0.0022	0.0008	0.0443	1.00 - 5.00
5A-00079	30176	Ho-166m	0.0075 U	0.028	0.0089	0.0432	1.00 - 5.00
5A-00079	30176	Pu-238	0.0006 U	0.0059	0.0013	0.0415	1.00 - 5.00
5A-00079	30176	Pu-239/240	0.004	0.0022	0.0018	0.0404	1.00 - 5.00
5A-00079	30176	Cm-245/246	-0.001 U	0.0074	0.001	0.0401	1.00 - 5.00
5A-00079	30176	Na-22	0.0195 L R	0.019	0.0088	0.037	1.00 - 5.00
5A-00079	30176	Pu-244	-0.001 U	0.0058	0.0007	0.0313	1.00 - 5.00
5A-00079	30176	Cm-247/248	0.002 U	0.0027	0.0014	0.0306	1.00 - 5.00
5A-00079	30176	Co-60	0.0002 U	0.02	0.0059	0.028	1.00 - 5.00
5A-00079	30176	Sn-126	-0.0017 U	0.019	0.0056	0.0237	1.00 - 5.00
5A-00079	30176	Nb-94	0.0062 U	0.016	0.0048	0.0214	1.00 - 5.00
5A-00080	30177	Cd-113m	-35.5 U	91	29.5	3030	1.00 - 4.25
5A-00080	30177	Tm-171	-5.27 U	11.4	4.03	72.4	1.00 - 4.25
5A-00080	30177	K-40	20.9	0.103	1.24	32.4	1.00 - 4.25
5A-00080	30177	Th-228	1.49	0.102	0.148	3.98	1.00 - 4.25
5A-00080	30177	Th-234	1.42	0.213	0.124	3.19	1.00 - 4.25
5A-00080	30177	Th-232	1.18	0.0742	0.12	3.1	1.00 - 4.25
5A-00080	30177	Pb-212	1.36	0.0248	0.0903	2.69	1.00 - 4.25
5A-00080	30177	Th-230	0.947	0.0642	0.103	2.2	1.00 - 4.25
5A-00080	30177	Bi-212	0.872	0.103	0.0705	2.15	1.00 - 4.25
5A-00080	30177	U-233/234	0.949	0.0494	0.0958	2.02	1.00 - 4.25
5A-00080	30177	U-238	0.995	0.0426	0.099	1.8	1.00 - 4.25
5A-00080	30177	Pb-214	0.929	0.0235	0.0477	1.7	1.00 - 4.25
5A-00080	30177	Bi-214	0.851	0.0218	0.0398	1.59	1.00 - 4.25
5A-00080	30177	Tl-208	0.426	0.0128	0.0237	0.937	1.00 - 4.25
5A-00080	30177	Pa-231	-0.189 U	0.565	0.182	0.936	1.00 - 4.25
5A-00080	30177	Sr-90	-0.141 U	0.354	0.0904	0.485	1.00 - 4.25
5A-00080	30177	Sb-125	0.0035 U	0.0329	0.01	0.354	1.00 - 4.25
5A-00080	30177	Eu-155	0.0636 SK	0.0512	0.0215	0.231	1.00 - 4.25
5A-00080	30177	Ac-227	-0.078 U	0.137	0.0452	0.217	1.00 - 4.25
5A-00080	30177	Cs-137	0.0117 J	0.0136	0.0052	0.207	1.00 - 4.25
5A-00080	30177	U-235/236	0.017 U	0.0526	0.015	0.151	1.00 - 4.25
5A-00080	30177	Eu-154	-0.0227 U	0.0765	0.0233	0.15	1.00 - 4.25
5A-00080	30177	Th-229	0.0208	0.051	0.0155	0.145	1.00 - 4.25

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00080	30177	Np-239	0.0332 U	0.0918	0.028	0.139	1.00 - 4.25
5A-00080	30177	Cs-134	-0.0014 U	0.0114	0.0039	0.0864	1.00 - 4.25
5A-00080	30177	Eu-152	0.0021 U	0.0341	0.0117	0.0566	1.00 - 4.25
5A-00080	30177	Np-236	0.0007 U	0.0262	0.0081	0.047	1.00 - 4.25
5A-00080	30177	Am-241	0.0031	0.0084	0.0031	0.0454	1.00 - 4.25
5A-00080	30177	Pu-236	-0.0016 U	0.0172	0.0036	0.0448	1.00 - 4.25
5A-00080	30177	Cm-243/244	0.0047 U	0.0174	0.0047	0.0443	1.00 - 4.25
5A-00080	30177	Ho-166m	-0.0019 U	0.0196	0.0059	0.0432	1.00 - 4.25
5A-00080	30177	Pu-238	-0.0057 U	0.0171	0.0032	0.0415	1.00 - 4.25
5A-00080	30177	Pu-239/240	0.0028 U	0.0153	0.004	0.0404	1.00 - 4.25
5A-00080	30177	Na-22	-0.0054 U	0.0171	0.0053	0.037	1.00 - 4.25
5A-00080	30177	Pu-244	0.0043 U	0.0132	0.0038	0.0313	1.00 - 4.25
5A-00080	30177	Co-60	-0.0062 U	0.0135	0.0044	0.028	1.00 - 4.25
5A-00080	30177	Sn-126	-0.0069 U	0.0125	0.0042	0.0237	1.00 - 4.25
5A-00080	30177	Nb-94	0.004 U	0.0115	0.0035	0.0214	1.00 - 4.25
5A-00081	30178	Cd-113m	7 U	44	13	3030	1.00 - 3.25
5A-00081	30178	Tm-171	0.3 U J	4.2	1.3	72.4	1.00 - 3.25
5A-00081	30178	K-40	20.9	0.2	1	32.4	1.00 - 3.25
5A-00081	30178	Th-228	1.32	0.019	0.066	3.98	1.00 - 3.25
5A-00081	30178	Th-234	0.694 R	0.17	0.065	3.19	1.00 - 3.25
5A-00081	30178	Th-232	1.32	0.003	0.066	3.1	1.00 - 3.25
5A-00081	30178	Pb-212	1.67	0.026	0.094	2.69	1.00 - 3.25
5A-00081	30178	Th-230	1.01	0.007	0.053	2.2	1.00 - 3.25
5A-00081	30178	Bi-212	1.08	0.16	0.098	2.15	1.00 - 3.25
5A-00081	30178	U-233/234	0.737	0.009	0.043	2.02	1.00 - 3.25
5A-00081	30178	U-238	0.721	0.003	0.042	1.8	1.00 - 3.25
5A-00081	30178	Pb-214	0.9	0.025	0.047	1.7	1.00 - 3.25
5A-00081	30178	Bi-214	0.831	0.031	0.045	1.59	1.00 - 3.25
5A-00081	30178	Tl-208	0.524	0.019	0.028	0.937	1.00 - 3.25
5A-00081	30178	Pa-231	0.19 U	0.46	0.13	0.936	1.00 - 3.25
5A-00081	30178	Sr-90	-0.0012 U	0.035	0.01	0.485	1.00 - 3.25
5A-00081	30178	Sb-125	0.155 SK	0.048	0.014	0.354	1.00 - 3.25
5A-00081	30178	Eu-155	0.077 SK	0.036	0.015	0.231	1.00 - 3.25
5A-00081	30178	Ac-227	0.046 U	0.15	0.043	0.217	1.00 - 3.25
5A-00081	30178	Cs-137	0.0041 U	0.019	0.0069	0.207	1.00 - 3.25

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00081	30178	U-235/236	0.0451	0.014	0.009	0.151	1.00 - 3.25
5A-00081	30178	Eu-154	-0.0031 U	0.11	0.0034	0.15	1.00 - 3.25
5A-00081	30178	Th-229	-0.0025 U	0.017	0.0036	0.145	1.00 - 3.25
5A-00081	30178	Np-239	0.002 U	0.077	0.023	0.139	1.00 - 3.25
5A-00081	30178	Cs-134	0.0134 U	0.031	0.0041	0.0864	1.00 - 3.25
5A-00081	30178	Te-125m	0.0358 SK	0.011	0.0032	0.0838	1.00 - 3.25
5A-00081	30178	Eu-152	0.016 U	0.036	0.016	0.0566	1.00 - 3.25
5A-00081	30178	Np-236	-0.0012 U	0.031	0.0095	0.047	1.00 - 3.25
5A-00081	30178	Am-241	0.004	0.0018	0.0017	0.0454	1.00 - 3.25
5A-00081	30178	Cm-243/244	0.0027	0.0018	0.0014	0.0443	1.00 - 3.25
5A-00081	30178	Ho-166m	0.0077 U	0.03	0.0047	0.0432	1.00 - 3.25
5A-00081	30178	Pu-238	0.0003 U	0.0043	0.0009	0.0415	1.00 - 3.25
5A-00081	30178	Pu-239/240	0.0003 U	0.0043	0.0009	0.0404	1.00 - 3.25
5A-00081	30178	Cm-245/246	0 U	0.012	0.0026	0.0401	1.00 - 3.25
5A-00081	30178	Na-22	0.0031 U	0.027	0.0081	0.037	1.00 - 3.25
5A-00081	30178	Pu-244	0.0068	0.0043	0.0023	0.0313	1.00 - 3.25
5A-00081	30178	Cm-247/248	-0.0013 U	0.0093	0.0013	0.0306	1.00 - 3.25
5A-00081	30178	Co-60	-0.0083 U	0.023	0.007	0.028	1.00 - 3.25
5A-00081	30178	Sn-126	-0.001 U	0.016	0.0048	0.0237	1.00 - 3.25
5A-00081	30178	Nb-94	0.0043 U	0.016	0.0049	0.0214	1.00 - 3.25
5A-00082	30179	Cd-113m	-4 U	34	10	3030	1.00 - 5.00
5A-00082	30179	Tm-171	-4.5 U J	4.4	1.4	72.4	1.00 - 5.00
5A-00082	30179	K-40	22.2	0.1	1.1	32.4	1.00 - 5.00
5A-00082	30179	Th-228	1.32	0.013	0.065	3.98	1.00 - 5.00
5A-00082	30179	Th-234	1.46 R	0.13	0.1	3.19	1.00 - 5.00
5A-00082	30179	Th-232	1.26	0.002	0.062	3.1	1.00 - 5.00
5A-00082	30179	Pb-212	1.55	0.02	0.1	2.69	1.00 - 5.00
5A-00082	30179	Th-230	0.95	0.002	0.049	2.2	1.00 - 5.00
5A-00082	30179	Bi-212	0.987	0.096	0.073	2.15	1.00 - 5.00
5A-00082	30179	U-233/234	0.729	0.01	0.042	2.02	1.00 - 5.00
5A-00082	30179	U-238	0.792	0.008	0.045	1.8	1.00 - 5.00
5A-00082	30179	Pb-214	0.817	0.021	0.044	1.7	1.00 - 5.00
5A-00082	30179	Bi-214	0.716	0.022	0.04	1.59	1.00 - 5.00
5A-00082	30179	Tl-208	0.455	0.014	0.025	0.937	1.00 - 5.00
5A-00082	30179	Pa-231	-0.08 U	0.5	0.15	0.936	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00082	30179	Sr-90	0.013 U	0.06	0.018	0.485	1.00 - 5.00
5A-00082	30179	Sb-125	0.135 SK	0.033	0.011	0.354	1.00 - 5.00
5A-00082	30179	Eu-155	0.05 SK	0.036	0.012	0.231	1.00 - 5.00
5A-00082	30179	Ac-227	0.056 U	0.12	0.036	0.217	1.00 - 5.00
5A-00082	30179	Cs-137	0.0484	0.011	0.006	0.207	1.00 - 5.00
5A-00082	30179	U-235/236	0.042	0.0038	0.0079	0.151	1.00 - 5.00
5A-00082	30179	Eu-154	0.0012 U	0.076	0.0017	0.15	1.00 - 5.00
5A-00082	30179	Th-229	0.0019 U	0.0069	0.0019	0.145	1.00 - 5.00
5A-00082	30179	Np-239	0.012 U	0.075	0.023	0.139	1.00 - 5.00
5A-00082	30179	Cs-134	-0.002 U J	0.035	0.0063	0.0864	1.00 - 5.00
5A-00082	30179	Te-125m	0.0311 SK	0.0076	0.0026	0.0838	1.00 - 5.00
5A-00082	30179	Eu-152	-0.0014 U	0.031	0.0013	0.0566	1.00 - 5.00
5A-00082	30179	Np-236	0.0086 U	0.025	0.0075	0.047	1.00 - 5.00
5A-00082	30179	Am-241	0.0032	0.0022	0.0016	0.0454	1.00 - 5.00
5A-00082	30179	Pu-236	0.0004 U	0.0053	0.001	0.0448	1.00 - 5.00
5A-00082	30179	Cm-243/244	0 U	0.0022	0.0008	0.0443	1.00 - 5.00
5A-00082	30179	Ho-166m	0.0069 U	0.02	0.0053	0.0432	1.00 - 5.00
5A-00082	30179	Pu-238	0.0014 U	0.0056	0.0015	0.0415	1.00 - 5.00
5A-00082	30179	Pu-239/240	0.0107	0.0021	0.0029	0.0404	1.00 - 5.00
5A-00082	30179	Cm-245/246	0.0027	0.0036	0.0019	0.0401	1.00 - 5.00
5A-00082	30179	Na-22	0.0038 U J	0.019	0.0057	0.037	1.00 - 5.00
5A-00082	30179	Pu-244	0.0034	0.0045	0.0018	0.0313	1.00 - 5.00
5A-00082	30179	Cm-247/248	-0.0003 U	0.0095	0.0017	0.0306	1.00 - 5.00
5A-00082	30179	Co-60	0.0005 U	0.015	0.0005	0.028	1.00 - 5.00
5A-00082	30179	Sn-126	0.0021 U	0.012	0.0036	0.0237	1.00 - 5.00
5A-00082	30179	Nb-94	0.0057 JSK	0.011	0.0032	0.0214	1.00 - 5.00
5A-00083	30180	Cd-113m	2 U	35	11	3030	1.00 - 5.00
5A-00083	30180	Tm-171	-3.7 U J	4.7	1.4	72.4	1.00 - 5.00
5A-00083	30180	K-40	22.8	0.1	1.2	32.4	1.00 - 5.00
5A-00083	30180	Th-228	1.31	0.015	0.064	3.98	1.00 - 5.00
5A-00083	30180	Th-234	1.51 R	0.14	0.1	3.19	1.00 - 5.00
5A-00083	30180	Th-232	1.31	0.008	0.064	3.1	1.00 - 5.00
5A-00083	30180	Pb-212	1.65	0.02	0.11	2.69	1.00 - 5.00
5A-00083	30180	Th-230	0.966	0.008	0.049	2.2	1.00 - 5.00
5A-00083	30180	Bi-212	1.03	0.097	0.074	2.15	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00083	30180	U-233/234	0.748	0.008	0.042	2.02	1.00 - 5.00
5A-00083	30180	U-238	0.734	0.003	0.042	1.8	1.00 - 5.00
5A-00083	30180	Pb-214	0.879	0.025	0.048	1.7	1.00 - 5.00
5A-00083	30180	Bi-214	0.773	0.026	0.043	1.59	1.00 - 5.00
5A-00083	30180	Tl-208	0.492	0.017	0.028	0.937	1.00 - 5.00
5A-00083	30180	Pa-231	0.04 U	0.53	0.16	0.936	1.00 - 5.00
5A-00083	30180	Sr-90	0.006 U	0.058	0.017	0.485	1.00 - 5.00
5A-00083	30180	Sb-125	0.147 SK	0.035	0.012	0.354	1.00 - 5.00
5A-00083	30180	Eu-155	0.098 SK	0.03	0.014	0.231	1.00 - 5.00
5A-00083	30180	Ac-227	0.02 U	0.13	0.013	0.217	1.00 - 5.00
5A-00083	30180	Cs-137	0.0024 U	0.01	0.003	0.207	1.00 - 5.00
5A-00083	30180	U-235/236	0.0499	0.0097	0.0086	0.151	1.00 - 5.00
5A-00083	30180	Eu-154	-0.0044 U	0.079	0.0039	0.15	1.00 - 5.00
5A-00083	30180	Th-229	0.0111	0.0064	0.0034	0.145	1.00 - 5.00
5A-00083	30180	Np-239	-0.015 U	0.08	0.024	0.139	1.00 - 5.00
5A-00083	30180	Cs-134	0.0176 U J	0.044	0.0053	0.0864	1.00 - 5.00
5A-00083	30180	Te-125m	0.034 SK	0.0082	0.0028	0.0838	1.00 - 5.00
5A-00083	30180	Eu-152	-0.016 U	0.033	0.01	0.0566	1.00 - 5.00
5A-00083	30180	Np-236	-0.0097 U	0.028	0.0086	0.047	1.00 - 5.00
5A-00083	30180	Am-241	0.0043	0.0019	0.0018	0.0454	1.00 - 5.00
5A-00083	30180	Pu-236	0.0009 U	0.0024	0.0009	0.0448	1.00 - 5.00
5A-00083	30180	Cm-243/244	0.0014 U	0.0019	0.001	0.0443	1.00 - 5.00
5A-00083	30180	Ho-166m	0.006 U	0.021	0.0034	0.0432	1.00 - 5.00
5A-00083	30180	Pu-238	0.0002 U	0.0063	0.0013	0.0415	1.00 - 5.00
5A-00083	30180	Pu-239/240	0.0011 U	0.0045	0.0012	0.0404	1.00 - 5.00
5A-00083	30180	Cm-245/246	0.0067	0.003	0.0028	0.0401	1.00 - 5.00
5A-00083	30180	Na-22	0.0027 U J	0.02	0.006	0.037	1.00 - 5.00
5A-00083	30180	Pu-244	0.0023	0.002	0.0013	0.0313	1.00 - 5.00
5A-00083	30180	Cm-247/248	-0.0007 U	0.0065	0.0007	0.0306	1.00 - 5.00
5A-00083	30180	Co-60	0.0028 U	0.015	0.0041	0.028	1.00 - 5.00
5A-00083	30180	Sn-126	-0.0001 U	0.012	0.0035	0.0237	1.00 - 5.00
5A-00083	30180	Nb-94	0.0006 U J	0.012	0.0021	0.0214	1.00 - 5.00
5A-00084	30181	Cd-113m	0.126 U	87	25.7	3030	1.00 - 2.00
5A-00084	30181	Tm-171	1.21 U	10.6	3.49	72.4	1.00 - 2.00
5A-00084	30181	K-40	18.5	0.0877	1.12	32.4	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00084	30181	Th-228	1.65	0.0199	0.154	3.98	1.00 - 2.00
5A-00084	30181	Th-234	1.81	0.198	0.149	3.19	1.00 - 2.00
5A-00084	30181	Th-232	1.25	0.0772	0.122	3.1	1.00 - 2.00
5A-00084	30181	Pb-212	1.61	0.0233	0.0951	2.69	1.00 - 2.00
5A-00084	30181	Th-230	0.902	0.0599	0.097	2.2	1.00 - 2.00
5A-00084	30181	Bi-212	1.19	0.101	0.0781	2.15	1.00 - 2.00
5A-00084	30181	U-233/234	0.92	0.0533	0.0889	2.02	1.00 - 2.00
5A-00084	30181	U-238	0.888	0.0407	0.0861	1.8	1.00 - 2.00
5A-00084	30181	Pb-214	0.862	0.0231	0.0404	1.7	1.00 - 2.00
5A-00084	30181	Bi-214	0.824	0.0204	0.0378	1.59	1.00 - 2.00
5A-00084	30181	Tl-208	0.513	0.0124	0.0268	0.937	1.00 - 2.00
5A-00084	30181	Pa-231	0.0234 U	0.529	0.157	0.936	1.00 - 2.00
5A-00084	30181	Sr-90	-0.0674 U	0.36	0.0966	0.485	1.00 - 2.00
5A-00084	30181	Sb-125	0.0116 U	0.0319	0.01	0.354	1.00 - 2.00
5A-00084	30181	Eu-155	0.0917 SK	0.0462	0.0206	0.231	1.00 - 2.00
5A-00084	30181	Ac-227	-0.0403 U	0.129	0.0395	0.217	1.00 - 2.00
5A-00084	30181	Cs-137	0.0004 U	0.012	0.0041	0.207	1.00 - 2.00
5A-00084	30181	U-235/236	0.0234	0.0344	0.0125	0.151	1.00 - 2.00
5A-00084	30181	Eu-154	-0.0078 U	0.0673	0.0231	0.15	1.00 - 2.00
5A-00084	30181	Th-229	0 U	0.0847	0.0204	0.145	1.00 - 2.00
5A-00084	30181	Np-239	-0.006 U	0.0864	0.0254	0.139	1.00 - 2.00
5A-00084	30181	Cs-134	0.0012 U	0.0108	0.0036	0.0864	1.00 - 2.00
5A-00084	30181	Eu-152	-0.0251 J U	0.0319	0.0115	0.0566	1.00 - 2.00
5A-00084	30181	Np-236	-0.0163 U	0.0243	0.0084	0.047	1.00 - 2.00
5A-00084	30181	Am-241	-0.0001 U	0.0224	0.0046	0.0454	1.00 - 2.00
5A-00084	30181	Pu-236	-0.0146 U	0.0491	0.0115	0.0448	1.00 - 2.00
5A-00084	30181	Cm-243/244	-0.0014 U	0.0206	0.0036	0.0443	1.00 - 2.00
5A-00084	30181	Ho-166m	0.0057 U	0.0187	0.0057	0.0432	1.00 - 2.00
5A-00084	30181	Pu-238	0.0065 U	0.0408	0.0113	0.0415	1.00 - 2.00
5A-00084	30181	Pu-239/240	-0.0065 U	0.0259	0.0048	0.0404	1.00 - 2.00
5A-00084	30181	Na-22	-0.0083 U	0.0153	0.0051	0.037	1.00 - 2.00
5A-00084	30181	Pu-244	0	0.0059	0.0022	0.0313	1.00 - 2.00
5A-00084	30181	Co-60	-0.0021 U	0.0128	0.0039	0.028	1.00 - 2.00
5A-00084	30181	Sn-126	0.0031 U	0.0124	0.0037	0.0237	1.00 - 2.00
5A-00084	30181	Nb-94	0.009 SK	0.0112	0.0039	0.0214	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00085	30182	Cd-113m	6 U	41	12	3030	1.00 - 5.00
5A-00085	30182	Tm-171	-2.8 U J	6.1	1.9	72.4	1.00 - 5.00
5A-00085	30182	K-40	19.9	0.15	0.98	32.4	1.00 - 5.00
5A-00085	30182	Th-228	1.55	0.012	0.074	3.98	1.00 - 5.00
5A-00085	30182	Th-234	1.94 R	0.16	0.12	3.19	1.00 - 5.00
5A-00085	30182	Th-232	1.43	0.006	0.069	3.1	1.00 - 5.00
5A-00085	30182	Pb-212	1.81	0.024	0.089	2.69	1.00 - 5.00
5A-00085	30182	Th-230	1.15	0.002	0.057	2.2	1.00 - 5.00
5A-00085	30182	Bi-212	1.35	0.14	0.1	2.15	1.00 - 5.00
5A-00085	30182	U-233/234	1.18	0.006	0.059	2.02	1.00 - 5.00
5A-00085	30182	U-238	1.21	0.002	0.06	1.8	1.00 - 5.00
5A-00085	30182	Pb-214	0.966	0.028	0.056	1.7	1.00 - 5.00
5A-00085	30182	Bi-214	0.889	0.027	0.047	1.59	1.00 - 5.00
5A-00085	30182	Tl-208	0.6	0.018	0.032	0.937	1.00 - 5.00
5A-00085	30182	Pa-231	-0.13 U	0.59	0.18	0.936	1.00 - 5.00
5A-00085	30182	Sr-90	0.021	0.036	0.011	0.485	1.00 - 5.00
5A-00085	30182	Sb-125	0.136 JSK	0.042	0.011	0.354	1.00 - 5.00
5A-00085	30182	Eu-155	0.053 SK	0.034	0.011	0.231	1.00 - 5.00
5A-00085	30182	Ac-227	0.046 U	0.11	0.056	0.217	1.00 - 5.00
5A-00085	30182	Cs-137	0.0039 U	0.017	0.005	0.207	1.00 - 5.00
5A-00085	30182	U-235/236	0.0488	0.0029	0.0075	0.151	1.00 - 5.00
5A-00085	30182	Eu-154	0.032 L R	0.058	0.02	0.15	1.00 - 5.00
5A-00085	30182	Th-229	0.0201	0.0093	0.005	0.145	1.00 - 5.00
5A-00085	30182	Np-239	-0.027 U	0.081	0.024	0.139	1.00 - 5.00
5A-00085	30182	Cs-134	0.0168 U J	0.048	0.0051	0.0864	1.00 - 5.00
5A-00085	30182	Te-125m	0.0315 JSK	0.0097	0.0026	0.0838	1.00 - 5.00
5A-00085	30182	Eu-152	0.016 U	0.035	0.014	0.0566	1.00 - 5.00
5A-00085	30182	Np-236	0.0041 U	0.028	0.0084	0.047	1.00 - 5.00
5A-00085	30182	Am-241	0.0017	0.0015	0.001	0.0454	1.00 - 5.00
5A-00085	30182	Cm-243/244	0.0011 U	0.0015	0.0008	0.0443	1.00 - 5.00
5A-00085	30182	Ho-166m	0.0364 SK	0.024	0.0052	0.0432	1.00 - 5.00
5A-00085	30182	Pu-238	0.0016	0.004	0.0012	0.0415	1.00 - 5.00
5A-00085	30182	Pu-239/240	0.0014	0.0018	0.001	0.0404	1.00 - 5.00
5A-00085	30182	Cm-245/246	0 U	0.0057	0.0013	0.0401	1.00 - 5.00
5A-00085	30182	Na-22	0.0085 U J	0.021	0.0064	0.037	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00085	30182	Pu-244	0.0007 U	0.0018	0.0007	0.0313	1.00 - 5.00
5A-00085	30182	Cm-247/248	0 U	0.0056	0.0012	0.0306	1.00 - 5.00
5A-00085	30182	Co-60	0.0001 U	0.017	0.0002	0.028	1.00 - 5.00
5A-00085	30182	Sn-126	0.0045 U	0.016	0.0048	0.0237	1.00 - 5.00
5A-00085	30182	Nb-94	0.0051 U	0.013	0.0041	0.0214	1.00 - 5.00
5A-00086	30183	Cd-113m	-3 U	37	11	3030	0.00 - 0.50
5A-00086	30183	Cd-113m	-3	37	11	3030	0.00 - 0.50
5A-00086	30184	Cd-113m	0.6 U	36	11	3030	1.00 - 4.00
5A-00086	30183	Tm-171	-4.1 U	5	2.2	72.4	0.00 - 0.50
5A-00086	30183	Tm-171	-4.1	5	2.2	72.4	0.00 - 0.50
5A-00086	30184	Tm-171	-5.1 U J	5.2	1.6	72.4	1.00 - 4.00
5A-00086	30183	K-40	21.6	0.1	1.1	32.4	0.00 - 0.50
5A-00086	30183	K-40	21.6	0.1	1.1	32.4	0.00 - 0.50
5A-00086	30184	K-40	20.3	0.1	1	32.4	1.00 - 4.00
5A-00086	30183	Th-228	1.35	0.02	0.072	3.98	0.00 - 0.50
5A-00086	30183	Th-228	1.35	0.02	0.072	3.98	0.00 - 0.50
5A-00086	30184	Th-228	1.61	0.012	0.077	3.98	1.00 - 4.00
5A-00086	30183	Th-234	1.8 R	0.14	0.12	3.19	0.00 - 0.50
5A-00086	30183	Th-234	1.8	0.14	0.12	3.19	0.00 - 0.50
5A-00086	30184	Th-234	1.92 R	0.14	0.12	3.19	1.00 - 4.00
5A-00086	30183	Th-232	1.46	0.004	0.077	3.1	0.00 - 0.50
5A-00086	30183	Th-232	1.46	0.004	0.077	3.1	0.00 - 0.50
5A-00086	30184	Th-232	1.51	0.007	0.072	3.1	1.00 - 4.00
5A-00086	30183	Pb-212	1.82	0.03	0.12	2.69	0.00 - 0.50
5A-00086	30183	Pb-212	1.82	0.03	0.12	2.69	0.00 - 0.50
5A-00086	30184	Pb-212	1.94	0.02	0.13	2.69	1.00 - 4.00
5A-00086	30183	Th-230	1.12	0.011	0.062	2.2	0.00 - 0.50
5A-00086	30183	Th-230	1.12	0.011	0.062	2.2	0.00 - 0.50
5A-00086	30184	Th-230	1.28	0.007	0.063	2.2	1.00 - 4.00
5A-00086	30183	Bi-212	1.19	0.11	0.085	2.15	0.00 - 0.50
5A-00086	30183	Bi-212	1.19	0.11	0.085	2.15	0.00 - 0.50
5A-00086	30184	Bi-212	1.23	0.11	0.086	2.15	1.00 - 4.00
5A-00086	30183	U-233/234	0.87	0.007	0.046	2.02	0.00 - 0.50
5A-00086	30183	U-233/234	0.87	0.007	0.046	2.02	0.00 - 0.50
5A-00086	30184	U-233/234	1.26	0.007	0.063	2.02	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00086	30183	U-238	0.882	0.003	0.047	1.8	0.00 - 0.50
5A-00086	30183	U-238	0.882	0.003	0.047	1.8	0.00 - 0.50
5A-00086	30184	U-238	1.22	0.007	0.061	1.8	1.00 - 4.00
5A-00086	30183	Pb-214	1.14	0.022	0.061	1.7	0.00 - 0.50
5A-00086	30183	Pb-214	1.14	0.022	0.061	1.7	0.00 - 0.50
5A-00086	30184	Pb-214	1.01	0.024	0.055	1.7	1.00 - 4.00
5A-00086	30183	Bi-214	0.979	0.022	0.053	1.59	0.00 - 0.50
5A-00086	30183	Bi-214	0.979	0.022	0.053	1.59	0.00 - 0.50
5A-00086	30184	Bi-214	0.871	0.025	0.048	1.59	1.00 - 4.00
5A-00086	30183	Tl-208	0.566	0.014	0.031	0.937	0.00 - 0.50
5A-00086	30183	Tl-208	0.566	0.014	0.031	0.937	0.00 - 0.50
5A-00086	30184	Tl-208	0.574	0.015	0.031	0.937	1.00 - 4.00
5A-00086	30183	Pa-231	-0.09 U	0.52	0.16	0.936	0.00 - 0.50
5A-00086	30183	Pa-231	-0.09	0.52	0.16	0.936	0.00 - 0.50
5A-00086	30184	Pa-231	-0.15 U	0.55	0.17	0.936	1.00 - 4.00
5A-00086	30183	Sr-90	0.007 U	0.052	0.015	0.485	0.00 - 0.50
5A-00086	30183	Sr-90	0.007	0.052	0.015	0.485	0.00 - 0.50
5A-00086	30184	Sr-90	0.017 U	0.035	0.011	0.485	1.00 - 4.00
5A-00086	30183	Sb-125	0.181	0.037	0.014	0.354	0.00 - 0.50
5A-00086	30183	Sb-125	0.181 SK	0.037	0.014	0.354	0.00 - 0.50
5A-00086	30184	Sb-125	0.144 JSK	0.036	0.01	0.354	1.00 - 4.00
5A-00086	30183	Eu-155	0.091 SK	0.031	0.013	0.231	0.00 - 0.50
5A-00086	30183	Eu-155	0.091	0.031	0.013	0.231	0.00 - 0.50
5A-00086	30184	Eu-155	0.087 SK	0.032	0.014	0.231	1.00 - 4.00
5A-00086	30183	Ac-227	0.02	0.13	0.029	0.217	0.00 - 0.50
5A-00086	30183	Ac-227	0.02 U	0.13	0.029	0.217	0.00 - 0.50
5A-00086	30184	Ac-227	0.098	0.1	0.023	0.217	1.00 - 4.00
5A-00086	30183	Cs-137	0.0746	0.012	0.0077	0.207	0.00 - 0.50
5A-00086	30183	Cs-137	0.0746	0.012	0.0077	0.207	0.00 - 0.50
5A-00086	30184	Cs-137	-0.0013 U	0.013	0.0039	0.207	1.00 - 4.00
5A-00086	30183	U-235/236	0.0433	0.0032	0.0073	0.151	0.00 - 0.50
5A-00086	30183	U-235/236	0.0433	0.0032	0.0073	0.151	0.00 - 0.50
5A-00086	30184	U-235/236	0.0548	0.0084	0.0084	0.151	1.00 - 4.00
5A-00086	30183	Eu-154	0.025	0.052	0.016	0.15	0.00 - 0.50
5A-00086	30183	Eu-154	0.025	0.052	0.016	0.15	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00086	30184	Eu-154	-0.029 U	0.085	0.026	0.15	1.00 - 4.00
5A-00086	30183	Th-229	0.0047	0.0026	0.0021	0.145	0.00 - 0.50
5A-00086	30183	Th-229	0.0047	0.0026	0.0021	0.145	0.00 - 0.50
5A-00086	30184	Th-229	0.0054	0.0029	0.0024	0.145	1.00 - 4.00
5A-00086	30183	Np-239	0.027 U	0.062	0.019	0.139	0.00 - 0.50
5A-00086	30183	Np-239	0.027	0.062	0.019	0.139	0.00 - 0.50
5A-00086	30184	Np-239	0.006 U	0.081	0.024	0.139	1.00 - 4.00
5A-00086	30183	Cs-134	0.0225 SK	0.043	0.0047	0.0864	0.00 - 0.50
5A-00086	30183	Cs-134	0.0225	0.043	0.0047	0.0864	0.00 - 0.50
5A-00086	30184	Cs-134	0.021 U J	0.045	0.0046	0.0864	1.00 - 4.00
5A-00086	30183	Te-125m	0.0418	0.0086	0.0031	0.0838	0.00 - 0.50
5A-00086	30183	Te-125m	0.0418 SK	0.0086	0.0031	0.0838	0.00 - 0.50
5A-00086	30184	Te-125m	0.0333 JSK	0.0083	0.0024	0.0838	1.00 - 4.00
5A-00086	30183	Eu-152	0.03 KR	0.033	0.012	0.0566	0.00 - 0.50
5A-00086	30183	Eu-152	0.03	0.033	0.012	0.0566	0.00 - 0.50
5A-00086	30184	Eu-152	-0.0137 U	0.031	0.0095	0.0566	1.00 - 4.00
5A-00086	30183	Np-236	0.0175	0.024	0.0099	0.047	0.00 - 0.50
5A-00086	30183	Np-236	0.0175 SK	0.024	0.0099	0.047	0.00 - 0.50
5A-00086	30184	Np-236	-0.0034 U	0.029	0.0087	0.047	1.00 - 4.00
5A-00086	30183	Am-241	0.0044	0.0024	0.002	0.0454	0.00 - 0.50
5A-00086	30183	Am-241	0.0044	0.0024	0.002	0.0454	0.00 - 0.50
5A-00086	30184	Am-241	0.0061 J	0.005	0.0023	0.0454	1.00 - 4.00
5A-00086	30183	Pu-236	0.0022	0.0053	0.0017	0.0448	0.00 - 0.50
5A-00086	30183	Pu-236	0.0022	0.0053	0.0017	0.0448	0.00 - 0.50
5A-00086	30183	Cm-243/244	0.0009	0.0082	0.002	0.0443	0.00 - 0.50
5A-00086	30183	Cm-243/244	0.0009 U	0.0082	0.002	0.0443	0.00 - 0.50
5A-00086	30184	Cm-243/244	0 U	0.005	0.001	0.0443	1.00 - 4.00
5A-00086	30183	Ho-166m	-0.0006 U	0.021	0.0008	0.0432	0.00 - 0.50
5A-00086	30183	Ho-166m	-0.0006	0.021	0.0008	0.0432	0.00 - 0.50
5A-00086	30184	Ho-166m	0.0056 U	0.021	0.0051	0.0432	1.00 - 4.00
5A-00086	30183	Pu-238	0.0011	0.0045	0.0012	0.0415	0.00 - 0.50
5A-00086	30183	Pu-238	0.0011 U	0.0045	0.0012	0.0415	0.00 - 0.50
5A-00086	30184	Pu-238	0.0014 U	0.0054	0.0014	0.0415	1.00 - 4.00
5A-00086	30183	Pu-239/240	0.0061	0.0021	0.0022	0.0404	0.00 - 0.50
5A-00086	30183	Pu-239/240	0.0061	0.0021	0.0022	0.0404	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00086	30184	Pu-239/240	0.0015	0.002	0.0011	0.0404	1.00 - 4.00
5A-00086	30183	Cm-245/246	0.0034	0.0063	0.0021	0.0401	0.00 - 0.50
5A-00086	30183	Cm-245/246	0.0034	0.0063	0.0021	0.0401	0.00 - 0.50
5A-00086	30184	Cm-245/246	0.0014 U	0.0039	0.0014	0.0401	1.00 - 4.00
5A-00086	30183	Na-22	0	0.021	0.0063	0.037	0.00 - 0.50
5A-00086	30183	Na-22	0 U J	0.021	0.0063	0.037	0.00 - 0.50
5A-00086	30184	Na-22	0.0025 U	0.02	0.0059	0.037	1.00 - 4.00
5A-00086	30183	Pu-244	0.0038	0.0021	0.0017	0.0313	0.00 - 0.50
5A-00086	30183	Pu-244	0.0038	0.0021	0.0017	0.0313	0.00 - 0.50
5A-00086	30184	Pu-244	0.0015	0.002	0.0011	0.0313	1.00 - 4.00
5A-00086	30183	Cm-247/248	0.0008	0.0023	0.0008	0.0306	0.00 - 0.50
5A-00086	30183	Cm-247/248	0.0008 U	0.0023	0.0008	0.0306	0.00 - 0.50
5A-00086	30184	Cm-247/248	0 U	0.0038	0.0009	0.0306	1.00 - 4.00
5A-00086	30183	Co-60	0.0002	0.016	0.0047	0.028	0.00 - 0.50
5A-00086	30183	Co-60	0.0002 U	0.016	0.0047	0.028	0.00 - 0.50
5A-00086	30184	Co-60	-0.0005 U	0.016	0.0046	0.028	1.00 - 4.00
5A-00086	30183	Sn-126	-0.0023 U	0.014	0.0041	0.0237	0.00 - 0.50
5A-00086	30183	Sn-126	-0.0023	0.014	0.0041	0.0237	0.00 - 0.50
5A-00086	30184	Sn-126	0.0007 U	0.012	0.0037	0.0237	1.00 - 4.00
5A-00086	30183	Nb-94	0.0071 SK	0.012	0.0036	0.0214	0.00 - 0.50
5A-00086	30183	Nb-94	0.0071	0.012	0.0036	0.0214	0.00 - 0.50
5A-00086	30184	Nb-94	0.003 U	0.012	0.0036	0.0214	1.00 - 4.00
5A-00087	30185	Cd-113m	17 U	44	13	3030	0.00 - 0.50
5A-00087	30185	Cd-113m	17	44	13	3030	0.00 - 0.50
5A-00087	30186	Cd-113m	8 U	34	10	3030	1.00 - 3.00
5A-00087	30185	Tm-171	2	6.4	2	72.4	0.00 - 0.50
5A-00087	30185	Tm-171	2 U	6.4	2	72.4	0.00 - 0.50
5A-00087	30186	Tm-171	0.5 U J	4.2	1.3	72.4	1.00 - 3.00
5A-00087	30185	K-40	19.8	0.17	0.98	32.4	0.00 - 0.50
5A-00087	30185	K-40	19.8	0.17	0.98	32.4	0.00 - 0.50
5A-00087	30186	K-40	20.5	0.1	1	32.4	1.00 - 3.00
5A-00087	30185	Th-228	1.51	0.022	0.077	3.98	0.00 - 0.50
5A-00087	30185	Th-228	1.51	0.022	0.077	3.98	0.00 - 0.50
5A-00087	30186	Th-228	1.45	0.015	0.072	3.98	1.00 - 3.00
5A-00087	30185	Th-234	0.411 R	0.18	0.06	3.19	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00087	30185	Th-234	0.411	0.18	0.06	3.19	0.00 - 0.50
5A-00087	30186	Th-234	1.74 R	0.13	0.12	3.19	1.00 - 3.00
5A-00087	30185	Th-232	1.57	0.003	0.079	3.1	0.00 - 0.50
5A-00087	30185	Th-232	1.57	0.003	0.079	3.1	0.00 - 0.50
5A-00087	30186	Th-232	1.42	0.009	0.07	3.1	1.00 - 3.00
5A-00087	30185	Pb-212	1.93	0.03	0.11	2.69	0.00 - 0.50
5A-00087	30185	Pb-212	1.93	0.03	0.11	2.69	0.00 - 0.50
5A-00087	30186	Pb-212	1.82	0.02	0.12	2.69	1.00 - 3.00
5A-00087	30185	Th-230	1.14	0.011	0.061	2.2	0.00 - 0.50
5A-00087	30185	Th-230	1.14	0.011	0.061	2.2	0.00 - 0.50
5A-00087	30186	Th-230	1.12	0.007	0.057	2.2	1.00 - 3.00
5A-00087	30185	Bi-212	1.19	0.17	0.11	2.15	0.00 - 0.50
5A-00087	30185	Bi-212	1.19	0.17	0.11	2.15	0.00 - 0.50
5A-00087	30186	Bi-212	1.22	0.097	0.084	2.15	1.00 - 3.00
5A-00087	30185	U-233/234	0.88	0.003	0.049	2.02	0.00 - 0.50
5A-00087	30185	U-233/234	0.88	0.003	0.049	2.02	0.00 - 0.50
5A-00087	30186	U-233/234	0.857	0.008	0.047	2.02	1.00 - 3.00
5A-00087	30185	U-238	0.919	0.003	0.05	1.8	0.00 - 0.50
5A-00087	30185	U-238	0.919	0.003	0.05	1.8	0.00 - 0.50
5A-00087	30186	U-238	0.88	0.003	0.048	1.8	1.00 - 3.00
5A-00087	30185	Pb-214	1.14	0.03	0.059	1.7	0.00 - 0.50
5A-00087	30185	Pb-214	1.14	0.03	0.059	1.7	0.00 - 0.50
5A-00087	30186	Pb-214	0.828	0.022	0.045	1.7	1.00 - 3.00
5A-00087	30185	Bi-214	0.983	0.029	0.052	1.59	0.00 - 0.50
5A-00087	30185	Bi-214	0.983	0.029	0.052	1.59	0.00 - 0.50
5A-00087	30186	Bi-214	0.725	0.021	0.04	1.59	1.00 - 3.00
5A-00087	30185	Tl-208	0.573	0.018	0.03	0.937	0.00 - 0.50
5A-00087	30185	Tl-208	0.573	0.018	0.03	0.937	0.00 - 0.50
5A-00087	30186	Tl-208	0.543	0.015	0.03	0.937	1.00 - 3.00
5A-00087	30185	Pa-231	0.13 U	0.63	0.19	0.936	0.00 - 0.50
5A-00087	30185	Pa-231	0.13	0.63	0.19	0.936	0.00 - 0.50
5A-00087	30186	Pa-231	0.13 U	0.49	0.15	0.936	1.00 - 3.00
5A-00087	30185	Sr-90	0.026 U	0.055	0.017	0.485	0.00 - 0.50
5A-00087	30185	Sr-90	0.026	0.055	0.017	0.485	0.00 - 0.50
5A-00087	30186	Sr-90	-0.0122 U	0.035	0.0096	0.485	1.00 - 3.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00087	30185	Sb-125	0.132	0.049	0.012	0.354	0.00 - 0.50
5A-00087	30185	Sb-125	0.132 SK	0.049	0.012	0.354	0.00 - 0.50
5A-00087	30186	Sb-125	0.167 JSK	0.033	0.013	0.354	1.00 - 3.00
5A-00087	30185	Eu-155	0.067	0.042	0.013	0.231	0.00 - 0.50
5A-00087	30185	Eu-155	0.067 SK	0.042	0.013	0.231	0.00 - 0.50
5A-00087	30186	Eu-155	0.097 SK	0.028	0.013	0.231	1.00 - 3.00
5A-00087	30185	Ac-227	0.021	0.16	0.032	0.217	0.00 - 0.50
5A-00087	30185	Ac-227	0.021 U	0.16	0.032	0.217	0.00 - 0.50
5A-00087	30186	Ac-227	0.018 U	0.12	0.031	0.217	1.00 - 3.00
5A-00087	30185	Cs-137	0.0503	0.019	0.0077	0.207	0.00 - 0.50
5A-00087	30185	Cs-137	0.0503	0.019	0.0077	0.207	0.00 - 0.50
5A-00087	30186	Cs-137	-0.0059 U	0.014	0.0041	0.207	1.00 - 3.00
5A-00087	30185	U-235/236	0.055	0.015	0.0097	0.151	0.00 - 0.50
5A-00087	30185	U-235/236	0.055	0.015	0.0097	0.151	0.00 - 0.50
5A-00087	30186	U-235/236	0.042	0.012	0.0081	0.151	1.00 - 3.00
5A-00087	30185	Eu-154	-0.054 U	0.11	0.033	0.15	0.00 - 0.50
5A-00087	30185	Eu-154	-0.054	0.11	0.033	0.15	0.00 - 0.50
5A-00087	30186	Eu-154	0.004 U	0.07	0.021	0.15	1.00 - 3.00
5A-00087	30185	Th-229	0.0154	0.0081	0.0045	0.145	0.00 - 0.50
5A-00087	30185	Th-229	0.0154	0.0081	0.0045	0.145	0.00 - 0.50
5A-00087	30186	Th-229	0.009	0.012	0.0042	0.145	1.00 - 3.00
5A-00087	30185	Np-239	0.001 U	0.096	0.029	0.139	0.00 - 0.50
5A-00087	30185	Np-239	0.001	0.096	0.029	0.139	0.00 - 0.50
5A-00087	30186	Np-239	0.0004 U	0.076	0.023	0.139	1.00 - 3.00
5A-00087	30185	Cs-134	-0.0012 U	0.02	0.0014	0.0864	0.00 - 0.50
5A-00087	30185	Cs-134	-0.0012	0.02	0.0014	0.0864	0.00 - 0.50
5A-00087	30186	Cs-134	0.0189 U J	0.037	0.0045	0.0864	1.00 - 3.00
5A-00087	30185	Te-125m	0.0304	0.011	0.0028	0.0838	0.00 - 0.50
5A-00087	30185	Te-125m	0.0304 SK	0.011	0.0028	0.0838	0.00 - 0.50
5A-00087	30186	Te-125m	0.0385 JSK	0.0077	0.0029	0.0838	1.00 - 3.00
5A-00087	30185	Eu-152	0.0048 U	0.042	0.0049	0.0566	0.00 - 0.50
5A-00087	30185	Eu-152	0.0048	0.042	0.0049	0.0566	0.00 - 0.50
5A-00087	30186	Eu-152	0.0002 U	0.032	0.0095	0.0566	1.00 - 3.00
5A-00087	30185	Np-236	-0.0005	0.032	0.0096	0.047	0.00 - 0.50
5A-00087	30185	Np-236	-0.0005 U	0.032	0.0096	0.047	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00087	30186	Np-236	-0.0139 U	0.026	0.008	0.047	1.00 - 3.00
5A-00087	30185	Am-241	0	0.0099	0.0021	0.0454	0.00 - 0.50
5A-00087	30185	Am-241	0 U	0.0099	0.0021	0.0454	0.00 - 0.50
5A-00087	30186	Am-241	-0.0007 U	0.0063	0.0012	0.0454	1.00 - 3.00
5A-00087	30185	Pu-236	0.0008 U	0.0071	0.0016	0.0448	0.00 - 0.50
5A-00087	30185	Pu-236	0.0008	0.0071	0.0016	0.0448	0.00 - 0.50
5A-00087	30185	Cm-243/244	0.0011 U	0.0029	0.0011	0.0443	0.00 - 0.50
5A-00087	30185	Cm-243/244	0.0011	0.0029	0.0011	0.0443	0.00 - 0.50
5A-00087	30186	Cm-243/244	0.0007 U	0.0018	0.0007	0.0443	1.00 - 3.00
5A-00087	30185	Ho-166m	0.0219	0.024	0.0099	0.0432	0.00 - 0.50
5A-00087	30185	Ho-166m	0.0219 SK	0.024	0.0099	0.0432	0.00 - 0.50
5A-00087	30186	Ho-166m	0.0072 U	0.02	0.0055	0.0432	1.00 - 3.00
5A-00087	30185	Pu-238	0.0017	0.0022	0.0012	0.0415	0.00 - 0.50
5A-00087	30185	Pu-238	0.0017	0.0022	0.0012	0.0415	0.00 - 0.50
5A-00087	30186	Pu-238	0.0019 U	0.0067	0.0019	0.0415	1.00 - 3.00
5A-00087	30185	Pu-239/240	0.0017	0.0022	0.0012	0.0404	0.00 - 0.50
5A-00087	30185	Pu-239/240	0.0017	0.0022	0.0012	0.0404	0.00 - 0.50
5A-00087	30186	Pu-239/240	0.0003 U	0.0043	0.0009	0.0404	1.00 - 3.00
5A-00087	30185	Cm-245/246	-0.0018	0.0097	0.0018	0.0401	0.00 - 0.50
5A-00087	30185	Cm-245/246	-0.0018 U	0.0097	0.0018	0.0401	0.00 - 0.50
5A-00087	30186	Cm-245/246	0.0027 U	0.011	0.0029	0.0401	1.00 - 3.00
5A-00087	30185	Na-22	-0.0017 U	0.028	0.0083	0.037	0.00 - 0.50
5A-00087	30185	Na-22	-0.0017	0.028	0.0083	0.037	0.00 - 0.50
5A-00087	30186	Na-22	-0.005 U	0.019	0.024	0.037	1.00 - 3.00
5A-00087	30185	Pu-244	0.0008	0.0022	0.0008	0.0313	0.00 - 0.50
5A-00087	30185	Pu-244	0.0008 U	0.0022	0.0008	0.0313	0.00 - 0.50
5A-00087	30186	Pu-244	0.0022	0.002	0.0013	0.0313	1.00 - 3.00
5A-00087	30185	Cm-247/248	-0.0009 U	0.0065	0.0009	0.0306	0.00 - 0.50
5A-00087	30185	Cm-247/248	-0.0009	0.0065	0.0009	0.0306	0.00 - 0.50
5A-00087	30186	Cm-247/248	0.0034 U	0.014	0.0036	0.0306	1.00 - 3.00
5A-00087	30185	Co-60	0.001 U	0.022	0.0013	0.028	0.00 - 0.50
5A-00087	30185	Co-60	0.001	0.022	0.0013	0.028	0.00 - 0.50
5A-00087	30186	Co-60	-0.0009 U	0.015	0.0046	0.028	1.00 - 3.00
5A-00087	30185	Sn-126	0.0001	0.019	0.0057	0.0237	0.00 - 0.50
5A-00087	30185	Sn-126	0.0001 U	0.019	0.0057	0.0237	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00087	30186	Sn-126	0.0014 U	0.013	0.004	0.0237	1.00 - 3.00
5A-00087	30185	Nb-94	0.0043 U	0.015	0.0045	0.0214	0.00 - 0.50
5A-00087	30185	Nb-94	0.0043	0.015	0.0045	0.0214	0.00 - 0.50
5A-00087	30186	Nb-94	0.0096 SK	0.009	0.0041	0.0214	1.00 - 3.00
5A-00088	30187	Cd-113m	-17 U	89.5	27.8	3030	1.00 - 4.50
5A-00088	30187	Tm-171	0.256 U	11.1	3.65	72.4	1.00 - 4.50
5A-00088	30187	K-40	22.3	0.0965	1.35	32.4	1.00 - 4.50
5A-00088	30187	Th-228	1.57	0.129	0.16	3.98	1.00 - 4.50
5A-00088	30187	Th-234	1.56	0.21	0.141	3.19	1.00 - 4.50
5A-00088	30187	Th-232	1.32	0.0205	0.134	3.1	1.00 - 4.50
5A-00088	30187	Pb-212	1.47	0.0254	0.0871	2.69	1.00 - 4.50
5A-00088	30187	Th-230	0.992	0.0909	0.112	2.2	1.00 - 4.50
5A-00088	30187	Bi-212	0.932	0.106	0.0746	2.15	1.00 - 4.50
5A-00088	30187	U-233/234	1.02	0.0588	0.0972	2.02	1.00 - 4.50
5A-00088	30187	U-238	1.1	0.0422	0.103	1.8	1.00 - 4.50
5A-00088	30187	Pb-214	1.1	0.0239	0.0513	1.7	1.00 - 4.50
5A-00088	30187	Bi-214	0.931	0.0225	0.0422	1.59	1.00 - 4.50
5A-00088	30187	Tl-208	0.448	0.0132	0.024	0.937	1.00 - 4.50
5A-00088	30187	Pa-231	0.0161 U	0.562	0.167	0.936	1.00 - 4.50
5A-00088	30187	Sr-90	-0.0054 U	0.357	0.0996	0.485	1.00 - 4.50
5A-00088	30187	Sb-125	0.0274 SK	0.0344	0.012	0.354	1.00 - 4.50
5A-00088	30187	Eu-155	0.0672 SK	0.0487	0.017	0.231	1.00 - 4.50
5A-00088	30187	Ac-227	-0.0174 U	0.137	0.0408	0.217	1.00 - 4.50
5A-00088	30187	Cs-137	0.0049 U	0.0132	0.0046	0.207	1.00 - 4.50
5A-00088	30187	U-235/236	0.0629	0.0356	0.0193	0.151	1.00 - 4.50
5A-00088	30187	Eu-154	0.0319 U	0.0754	0.026	0.15	1.00 - 4.50
5A-00088	30187	Th-229	0.0682	0.0558	0.0256	0.145	1.00 - 4.50
5A-00088	30187	Np-239	0.0435 U	0.0915	0.0285	0.139	1.00 - 4.50
5A-00088	30187	Cs-134	0.0003 U	0.012	0.0041	0.0864	1.00 - 4.50
5A-00088	30187	Eu-152	-0.0142 U	0.0337	0.0116	0.0566	1.00 - 4.50
5A-00088	30187	Np-236	-0.0323 J U	0.0253	0.011	0.047	1.00 - 4.50
5A-00088	30187	Am-241	0.0015 U	0.017	0.0034	0.0454	1.00 - 4.50
5A-00088	30187	Pu-236	0.0046 U	0.0213	0.0056	0.0448	1.00 - 4.50
5A-00088	30187	Cm-243/244	-0.0047 U	0.0237	0.0041	0.0443	1.00 - 4.50
5A-00088	30187	Ho-166m	-0.0075 U	0.0191	0.0061	0.0432	1.00 - 4.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00088	30187	Pu-238	-0.0041 U	0.022	0.0041	0.0415	1.00 - 4.50
5A-00088	30187	Pu-239/240	0.0102	0.0055	0.0046	0.0404	1.00 - 4.50
5A-00088	30187	Na-22	-0.009 U	0.0169	0.0056	0.037	1.00 - 4.50
5A-00088	30187	Pu-244	0.0081	0.015	0.005	0.0313	1.00 - 4.50
5A-00088	30187	Co-60	-0.0036 U	0.0139	0.0043	0.028	1.00 - 4.50
5A-00088	30187	Sn-126	0.0054 U	0.0131	0.0041	0.0237	1.00 - 4.50
5A-00088	30187	Nb-94	0.0052 U	0.0115	0.0036	0.0214	1.00 - 4.50
5A-00089	30188	Cd-113m	-0.2 U	32	9.5	3030	1.00 - 5.00
5A-00089	30188	Tm-171	3.2	4.2	1.7	72.4	1.00 - 5.00
5A-00089	30188	K-40	18.6	0.11	0.91	32.4	1.00 - 5.00
5A-00089	30188	Th-228	1.17	0.012	0.058	3.98	1.00 - 5.00
5A-00089	30188	Th-234	1.46 R	0.12	0.094	3.19	1.00 - 5.00
5A-00089	30188	Th-232	1.19	0.006	0.059	3.1	1.00 - 5.00
5A-00089	30188	Pb-212	1.46	0.018	0.081	2.69	1.00 - 5.00
5A-00089	30188	Th-230	0.932	0.009	0.048	2.2	1.00 - 5.00
5A-00089	30188	Bi-212	0.888	0.092	0.067	2.15	1.00 - 5.00
5A-00089	30188	U-233/234	0.858	0.004	0.043	2.02	1.00 - 5.00
5A-00089	30188	U-238	0.801	0.006	0.04	1.8	1.00 - 5.00
5A-00089	30188	Pb-214	0.906	0.02	0.046	1.7	1.00 - 5.00
5A-00089	30188	Bi-214	0.797	0.02	0.041	1.59	1.00 - 5.00
5A-00089	30188	Tl-208	0.442	0.012	0.023	0.937	1.00 - 5.00
5A-00089	30188	Pa-231	0.177 U	0.38	0.084	0.936	1.00 - 5.00
5A-00089	30188	Sr-90	0.012 U	0.041	0.012	0.485	1.00 - 5.00
5A-00089	30188	Sb-125	0.133 SK	0.03	0.01	0.354	1.00 - 5.00
5A-00089	30188	Eu-155	0.093 SK	0.029	0.013	0.231	1.00 - 5.00
5A-00089	30188	Ac-227	0.074	0.085	0.016	0.217	1.00 - 5.00
5A-00089	30188	Cs-137	0.0057	0.0081	0.0025	0.207	1.00 - 5.00
5A-00089	30188	U-235/236	0.0415	0.0056	0.006	0.151	1.00 - 5.00
5A-00089	30188	Eu-154	0.0067 U	0.059	0.0073	0.15	1.00 - 5.00
5A-00089	30188	Th-229	0.0054	0.0066	0.0026	0.145	1.00 - 5.00
5A-00089	30188	Np-239	-0.015 U	0.055	0.017	0.139	1.00 - 5.00
5A-00089	30188	Cs-134	0.0147 U J	0.035	0.0038	0.0864	1.00 - 5.00
5A-00089	30188	Te-125m	0.0307 SK	0.0068	0.0024	0.0838	1.00 - 5.00
5A-00089	30188	Eu-152	0.0179 R K	0.023	0.0093	0.0566	1.00 - 5.00
5A-00089	30188	Np-236	-0.0003 U	0.024	0.0073	0.047	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00089	30188	Am-241	0 U	0.003	0.0011	0.0454	1.00 - 5.00
5A-00089	30188	Cm-243/244	0 U	0.01	0.0022	0.0443	1.00 - 5.00
5A-00089	30188	Ho-166m	0.0031 U	0.016	0.0036	0.0432	1.00 - 5.00
5A-00089	30188	Pu-238	0.003	0.0078	0.0023	0.0415	1.00 - 5.00
5A-00089	30188	Pu-239/240	0.0009 U	0.0025	0.0009	0.0404	1.00 - 5.00
5A-00089	30188	Cm-245/246	0.0009 U	0.0083	0.0019	0.0401	1.00 - 5.00
5A-00089	30188	Na-22	0.0025 U J	0.016	0.0048	0.037	1.00 - 5.00
5A-00089	30188	Am-243	0 U	0.0031	0.0007	0.0333	1.00 - 5.00
5A-00089	30188	Pu-244	0.0041	0.0055	0.0022	0.0313	1.00 - 5.00
5A-00089	30188	Cm-247/248	0 U	0.003	0.0007	0.0306	1.00 - 5.00
5A-00089	30188	Co-60	0.0003 U	0.013	0.0011	0.028	1.00 - 5.00
5A-00089	30188	Sn-126	-0.0025 U	0.012	0.0036	0.0237	1.00 - 5.00
5A-00089	30188	Nb-94	0.0011 U J	0.01	0.003	0.0214	1.00 - 5.00
5A-00090	30189	Cd-113m	11 U	35	11	3030	1.00 - 5.00
5A-00090	30189	Tm-171	-2.7 U	4.9	1.5	72.4	1.00 - 5.00
5A-00090	30189	K-40	21.6	0.1	1.1	32.4	1.00 - 5.00
5A-00090	30189	H-3	0.069 U	0.19	0.058	11.9	1.00 - 5.00
5A-00090	30189	Th-228	1.34	0.013	0.065	3.98	1.00 - 5.00
5A-00090	30189	Th-234	1.55 R	0.14	0.11	3.19	1.00 - 5.00
5A-00090	30189	Th-232	1.26	0.006	0.062	3.1	1.00 - 5.00
5A-00090	30189	Pb-212	1.61	0.02	0.11	2.69	1.00 - 5.00
5A-00090	30189	Th-230	0.979	0.002	0.05	2.2	1.00 - 5.00
5A-00090	30189	Bi-212	1.08	0.11	0.083	2.15	1.00 - 5.00
5A-00090	30189	U-233/234	0.776	0.003	0.043	2.02	1.00 - 5.00
5A-00090	30189	U-238	0.762	0.003	0.042	1.8	1.00 - 5.00
5A-00090	30189	Pb-214	0.926	0.024	0.051	1.7	1.00 - 5.00
5A-00090	30189	Bi-214	0.835	0.022	0.045	1.59	1.00 - 5.00
5A-00090	30189	Tl-208	0.471	0.015	0.026	0.937	1.00 - 5.00
5A-00090	30189	Pa-231	-0.02 U	0.44	0.13	0.936	1.00 - 5.00
5A-00090	30189	Sr-90	0.019 U	0.048	0.014	0.485	1.00 - 5.00
5A-00090	30189	Sb-125	0.143 SK	0.026	0.013	0.354	1.00 - 5.00
5A-00090	30189	Eu-155	0.098 SK	0.029	0.013	0.231	1.00 - 5.00
5A-00090	30189	Ac-227	0.035 U	0.12	0.045	0.217	1.00 - 5.00
5A-00090	30189	Cs-137	-0.0036 U	0.013	0.004	0.207	1.00 - 5.00
5A-00090	30189	U-235/236	0.037	0.0032	0.0068	0.151	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00090	30189	Eu-154	0.003 U	0.078	0.01	0.15	1.00 - 5.00
5A-00090	30189	Th-229	0.0022 U	0.0081	0.0022	0.145	1.00 - 5.00
5A-00090	30189	Np-239	0.022 U	0.078	0.024	0.139	1.00 - 5.00
5A-00090	30189	Cs-134	0.0075 U J	0.037	0.0078	0.0864	1.00 - 5.00
5A-00090	30189	Te-125m	0.0331 SK	0.0059	0.0029	0.0838	1.00 - 5.00
5A-00090	30189	Eu-152	0.0027 U	0.033	0.0026	0.0566	1.00 - 5.00
5A-00090	30189	Np-236	0 U	0.024	0.0073	0.047	1.00 - 5.00
5A-00090	30189	Am-241	0.0017 U	0.0023	0.0012	0.0454	1.00 - 5.00
5A-00090	30189	Pu-236	-0.0002 U	0.0064	0.0012	0.0448	1.00 - 5.00
5A-00090	30189	Cm-243/244	0 U	0.0024	0.0009	0.0443	1.00 - 5.00
5A-00090	30189	Ho-166m	0.0059 U	0.02	0.0043	0.0432	1.00 - 5.00
5A-00090	30189	Pu-238	0.0015	0.002	0.0011	0.0415	1.00 - 5.00
5A-00090	30189	Pu-239/240	0.0015	0.002	0.0011	0.0404	1.00 - 5.00
5A-00090	30189	Cm-245/246	0.0036	0.0092	0.0028	0.0401	1.00 - 5.00
5A-00090	30189	Na-22	-0.0072 U J	0.019	0.0058	0.037	1.00 - 5.00
5A-00090	30189	Am-243	0 U	0.0034	0.0008	0.0333	1.00 - 5.00
5A-00090	30189	Pu-244	0.0015	0.002	0.0011	0.0313	1.00 - 5.00
5A-00090	30189	Cm-247/248	0 U	0.0034	0.0008	0.0306	1.00 - 5.00
5A-00090	30189	Co-60	0.0016 U	0.015	0.0037	0.028	1.00 - 5.00
5A-00090	30189	Sn-126	-0.001 U	0.013	0.0039	0.0237	1.00 - 5.00
5A-00090	30189	Nb-94	0.0043 U J	0.011	0.0025	0.0214	1.00 - 5.00
5A-00091	30190	Cd-113m	-0.7 U	28	8.3	3030	1.00 - 2.50
5A-00091	30190	Tm-171	-1.7 U	5.5	1.7	72.4	1.00 - 2.50
5A-00091	30190	K-40	20.1	0.1	1	32.4	1.00 - 2.50
5A-00091	30190	H-3	0.116	0.19	0.059	11.9	1.00 - 2.50
5A-00091	30190	Th-228	1.35	0.016	0.066	3.98	1.00 - 2.50
5A-00091	30190	Th-234	1.53 R	0.13	0.1	3.19	1.00 - 2.50
5A-00091	30190	Th-232	1.34	0.002	0.066	3.1	1.00 - 2.50
5A-00091	30190	Pb-212	1.63	0.02	0.11	2.69	1.00 - 2.50
5A-00091	30190	Th-230	1.02	0.008	0.052	2.2	1.00 - 2.50
5A-00091	30190	Bi-212	1.05	0.1	0.079	2.15	1.00 - 2.50
5A-00091	30190	U-233/234	0.78	0.01	0.046	2.02	1.00 - 2.50
5A-00091	30190	U-238	0.742	0.004	0.044	1.8	1.00 - 2.50
5A-00091	30190	Pb-214	1.01	0.019	0.054	1.7	1.00 - 2.50
5A-00091	30190	Bi-214	0.898	0.023	0.049	1.59	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00091	30190	Tl-208	0.496	0.015	0.027	0.937	1.00 - 2.50
5A-00091	30190	Pa-231	-0.07 U	0.47	0.14	0.936	1.00 - 2.50
5A-00091	30190	Sr-90	0.002 U	0.039	0.011	0.485	1.00 - 2.50
5A-00091	30190	Sb-125	0.117 SK	0.028	0.0092	0.354	1.00 - 2.50
5A-00091	30190	Eu-155	0.0204 R	0.029	0.0088	0.231	1.00 - 2.50
5A-00091	30190	Ac-227	0.013 U	0.12	0.039	0.217	1.00 - 2.50
5A-00091	30190	Cs-137	0.0076 R K	0.0085	0.0026	0.207	1.00 - 2.50
5A-00091	30190	U-235/236	0.0323	0.0044	0.0073	0.151	1.00 - 2.50
5A-00091	30190	Eu-154	-0.0039 U	0.074	0.0033	0.15	1.00 - 2.50
5A-00091	30190	Th-229	0.0038 U	0.012	0.0034	0.145	1.00 - 2.50
5A-00091	30190	Np-239	0.001 U	0.074	0.022	0.139	1.00 - 2.50
5A-00091	30190	Cs-134	0.012 U J	0.035	0.0032	0.0864	1.00 - 2.50
5A-00091	30190	Te-125m	0.0271 SK	0.0065	0.0021	0.0838	1.00 - 2.50
5A-00091	30190	Eu-152	-0.007 U	0.031	0.0094	0.0566	1.00 - 2.50
5A-00091	30190	Np-236	-0.0019 U	0.02	0.0061	0.047	1.00 - 2.50
5A-00091	30190	Am-241	0.001 U	0.0092	0.0022	0.0454	1.00 - 2.50
5A-00091	30190	Cm-243/244	0.002 U	0.0073	0.002	0.0443	1.00 - 2.50
5A-00091	30190	Ho-166m	0.0063 U	0.019	0.0037	0.0432	1.00 - 2.50
5A-00091	30190	Pu-238	0.0008 U	0.0021	0.0008	0.0415	1.00 - 2.50
5A-00091	30190	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	1.00 - 2.50
5A-00091	30190	Cm-245/246	-0.0012 U	0.012	0.0021	0.0401	1.00 - 2.50
5A-00091	30190	Na-22	0.0013 U J	0.018	0.0054	0.037	1.00 - 2.50
5A-00091	30190	Am-243	0 U	0.0038	0.0009	0.0333	1.00 - 2.50
5A-00091	30190	Pu-244	0.0008 U	0.0021	0.0008	0.0313	1.00 - 2.50
5A-00091	30190	Cm-247/248	0.0014 U	0.0038	0.0014	0.0306	1.00 - 2.50
5A-00091	30190	Co-60	0.0038 U	0.014	0.0041	0.028	1.00 - 2.50
5A-00091	30190	Sn-126	-0.0029 U	0.011	0.0034	0.0237	1.00 - 2.50
5A-00091	30190	Nb-94	0.0045 U J	0.011	0.0032	0.0214	1.00 - 2.50
5A-00092	30191	Cd-113m	-9.43 U	83.1	24.5	3030	1.00 - 4.00
5A-00092	30191	Tm-171	-7.36 U	9.87	3.72	72.4	1.00 - 4.00
5A-00092	30191	K-40	21.8	0.0896	1.28	32.4	1.00 - 4.00
5A-00092	30191	H-3	-2.62 U	9.46	2.76	11.9	1.00 - 4.00
5A-00092	30191	H-3	-2.62 U	9.46	2.76	11.9	1.00 - 4.00
5A-00092	30191	H-3	-2.62 U	9.46	2.76	11.9	1.00 - 4.00
5A-00092	30191	Th-228	1.65	0.085	0.159	3.98	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00092	30191	Th-234	1.29	0.194	0.112	3.19	1.00 - 4.00
5A-00092	30191	Th-232	1.36	0.0508	0.133	3.1	1.00 - 4.00
5A-00092	30191	Pb-212	1.43	0.0229	0.0889	2.69	1.00 - 4.00
5A-00092	30191	Th-230	0.878	0.0509	0.0975	2.2	1.00 - 4.00
5A-00092	30191	Bi-212	0.772	0.0954	0.0612	2.15	1.00 - 4.00
5A-00092	30191	U-233/234	0.948	0.0322	0.094	2.02	1.00 - 4.00
5A-00092	30191	U-238	1.04	0.0406	0.101	1.8	1.00 - 4.00
5A-00092	30191	Pb-214	1.01	0.0215	0.0482	1.7	1.00 - 4.00
5A-00092	30191	Bi-214	0.93	0.0192	0.0445	1.59	1.00 - 4.00
5A-00092	30191	Tl-208	0.441	0.0118	0.0236	0.937	1.00 - 4.00
5A-00092	30191	Pa-231	-0.0921 U	0.508	0.157	0.936	1.00 - 4.00
5A-00092	30191	Sr-90	-0.0108 U	0.258	0.0674	0.485	1.00 - 4.00
5A-00092	30191	Sb-125	0.0059 U	0.0308	0.0093	0.354	1.00 - 4.00
5A-00092	30191	Eu-155	0.0491 SK	0.0455	0.0179	0.231	1.00 - 4.00
5A-00092	30191	Ac-227	-0.0208 U	0.126	0.0374	0.217	1.00 - 4.00
5A-00092	30191	Cs-137	-0.0064 U	0.011	0.0041	0.207	1.00 - 4.00
5A-00092	30191	U-235/236	0.0324	0.0398	0.0155	0.151	1.00 - 4.00
5A-00092	30191	Eu-154	-0.0282 U	0.0665	0.0216	0.15	1.00 - 4.00
5A-00092	30191	Th-229	0 U	0.11	0.0277	0.145	1.00 - 4.00
5A-00092	30191	Np-239	-0.0135 U	0.0831	0.0263	0.139	1.00 - 4.00
5A-00092	30191	Cs-134	-0.0006 U	0.0107	0.0036	0.0864	1.00 - 4.00
5A-00092	30191	Eu-152	-0.0171 U	0.0304	0.0104	0.0566	1.00 - 4.00
5A-00092	30191	Np-236	-0.007 U	0.0241	0.0075	0.047	1.00 - 4.00
5A-00092	30191	Am-241	0.0054 U	0.0325	0.0086	0.0454	1.00 - 4.00
5A-00092	30191	Pu-236	0	0.0064	0.0024	0.0448	1.00 - 4.00
5A-00092	30191	Cm-243/244	0.0055 U	0.0414	0.011	0.0443	1.00 - 4.00
5A-00092	30191	Ho-166m	-0.0051 U	0.0174	0.0053	0.0432	1.00 - 4.00
5A-00092	30191	Pu-238	0.0042 U	0.0155	0.0042	0.0415	1.00 - 4.00
5A-00092	30191	Pu-239/240	0.0021	0.0057	0.0021	0.0404	1.00 - 4.00
5A-00092	30191	Na-22	-0.0103 U	0.015	0.0052	0.037	1.00 - 4.00
5A-00092	30191	Am-243	0.0072	0.0065	0.0042	0.0333	1.00 - 4.00
5A-00092	30191	Pu-244	0	0.0057	0.0021	0.0313	1.00 - 4.00
5A-00092	30191	Co-60	0.0046 U	0.013	0.0039	0.028	1.00 - 4.00
5A-00092	30191	Sn-126	-0.0046 U	0.011	0.0035	0.0237	1.00 - 4.00
5A-00092	30191	Nb-94	-0.0028 U	0.01	0.0031	0.0214	1.00 - 4.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00093	30192	Cd-113m	5 U	41	12	3030	1.00 - 5.00
5A-00093	30192	Tm-171	0.3 U	3.7	1.1	72.4	1.00 - 5.00
5A-00093	30192	K-40	20.7	0.2	1	32.4	1.00 - 5.00
5A-00093	30192	Th-228	1.38	0.014	0.067	3.98	1.00 - 5.00
5A-00093	30192	Th-234	0.606 R	0.16	0.06	3.19	1.00 - 5.00
5A-00093	30192	Th-232	1.29	0.002	0.064	3.1	1.00 - 5.00
5A-00093	30192	Pb-212	1.59	0.024	0.089	2.69	1.00 - 5.00
5A-00093	30192	Th-230	0.943	0.002	0.049	2.2	1.00 - 5.00
5A-00093	30192	Bi-212	0.965	0.16	0.096	2.15	1.00 - 5.00
5A-00093	30192	U-233/234	0.818	0.002	0.043	2.02	1.00 - 5.00
5A-00093	30192	U-238	0.791	0.002	0.042	1.8	1.00 - 5.00
5A-00093	30192	Pb-214	0.892	0.03	0.047	1.7	1.00 - 5.00
5A-00093	30192	Bi-214	0.783	0.028	0.042	1.59	1.00 - 5.00
5A-00093	30192	Tl-208	0.483	0.016	0.026	0.937	1.00 - 5.00
5A-00093	30192	Pa-231	-0.004 U	0.54	0.16	0.936	1.00 - 5.00
5A-00093	30192	Sr-90	0.045	0.051	0.016	0.485	1.00 - 5.00
5A-00093	30192	Sb-125	0.117 SK	0.041	0.01	0.354	1.00 - 5.00
5A-00093	30192	Eu-155	0.087 SK	0.034	0.014	0.231	1.00 - 5.00
5A-00093	30192	Ac-227	0.029 U	0.14	0.014	0.217	1.00 - 5.00
5A-00093	30192	Cs-137	0.0112	0.019	0.0072	0.207	1.00 - 5.00
5A-00093	30192	U-235/236	0.0382	0.0027	0.0063	0.151	1.00 - 5.00
5A-00093	30192	Eu-154	0.015 U	0.11	0.014	0.15	1.00 - 5.00
5A-00093	30192	Th-229	0.0085	0.01	0.0037	0.145	1.00 - 5.00
5A-00093	30192	Np-239	0.026 U	0.092	0.028	0.139	1.00 - 5.00
5A-00093	30192	Cs-134	-0.0133 U J	0.018	0.0055	0.0864	1.00 - 5.00
5A-00093	30192	Te-125m	0.0271 SK	0.0096	0.0024	0.0838	1.00 - 5.00
5A-00093	30192	Eu-152	0.004 U	0.04	0.014	0.0566	1.00 - 5.00
5A-00093	30192	Np-236	-0.0059 U	0.03	0.009	0.047	1.00 - 5.00
5A-00093	30192	Am-241	0.0007 U	0.002	0.0007	0.0454	1.00 - 5.00
5A-00093	30192	Pu-236	-0.0002 U	0.0063	0.0011	0.0448	1.00 - 5.00
5A-00093	30192	Cm-243/244	0.0007 U	0.002	0.0007	0.0443	1.00 - 5.00
5A-00093	30192	Ho-166m	0.0129 U	0.027	0.0088	0.0432	1.00 - 5.00
5A-00093	30192	Pu-238	0.0039	0.0062	0.0021	0.0415	1.00 - 5.00
5A-00093	30192	Pu-239/240	0.0015	0.002	0.001	0.0404	1.00 - 5.00
5A-00093	30192	Cm-245/246	0.0056	0.0025	0.0023	0.0401	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00093	30192	Cm-245/246	0.0028 U	0.011	0.0029	0.0401	1.00 - 5.00
5A-00093	30192	Na-22	0.0087 U J	0.025	0.0076	0.037	1.00 - 5.00
5A-00093	30192	Pu-244	0.0022	0.002	0.0013	0.0313	1.00 - 5.00
5A-00093	30192	Cm-247/248	0.0009 U	0.0025	0.0009	0.0306	1.00 - 5.00
5A-00093	30192	Cm-247/248	0 U	0.0034	0.0008	0.0306	1.00 - 5.00
5A-00093	30192	Co-60	0.0122 KR	0.019	0.0059	0.028	1.00 - 5.00
5A-00093	30192	Sn-126	0.0012 U	0.017	0.0052	0.0237	1.00 - 5.00
5A-00093	30192	Nb-94	0.017 JSK	0.013	0.0059	0.0214	1.00 - 5.00
5A-00094	30193	Cd-113m	-0.6 U	29	8.6	3030	5.00 - 10.00
5A-00094	30193	Tm-171	-4.6 U J	5	1.5	72.4	5.00 - 10.00
5A-00094	30193	K-40	21.4	0.1	1.1	32.4	5.00 - 10.00
5A-00094	30193	Th-228	1.42	0.015	0.07	3.98	5.00 - 10.00
5A-00094	30193	Th-234	1.62 R	0.13	0.11	3.19	5.00 - 10.00
5A-00094	30193	Th-232	1.38	0.007	0.068	3.1	5.00 - 10.00
5A-00094	30193	Pb-212	1.62	0.02	0.11	2.69	5.00 - 10.00
5A-00094	30193	Th-230	1.1	0.002	0.056	2.2	5.00 - 10.00
5A-00094	30193	Bi-212	0.972	0.1	0.074	2.15	5.00 - 10.00
5A-00094	30193	U-233/234	0.874	0.003	0.048	2.02	5.00 - 10.00
5A-00094	30193	U-238	0.91	0.003	0.05	1.8	5.00 - 10.00
5A-00094	30193	Pb-214	1.01	0.023	0.055	1.7	5.00 - 10.00
5A-00094	30193	Bi-214	0.89	0.022	0.048	1.59	5.00 - 10.00
5A-00094	30193	Tl-208	0.494	0.015	0.027	0.937	5.00 - 10.00
5A-00094	30193	Pa-231	0.14 U	0.48	0.15	0.936	5.00 - 10.00
5A-00094	30193	Sr-90	0.02 U	0.044	0.013	0.485	5.00 - 10.00
5A-00094	30193	Sb-125	0.154 SK	0.032	0.012	0.354	5.00 - 10.00
5A-00094	30193	Eu-155	0.067 SK	0.032	0.014	0.231	5.00 - 10.00
5A-00094	30193	Ac-227	0.046 U	0.12	0.039	0.217	5.00 - 10.00
5A-00094	30193	Cs-137	0 U	0.015	0.0037	0.207	5.00 - 10.00
5A-00094	30193	U-235/236	0.04	0.01	0.0079	0.151	5.00 - 10.00
5A-00094	30193	Eu-154	-0.041 U	0.076	0.023	0.15	5.00 - 10.00
5A-00094	30193	Th-229	0.0042 U	0.013	0.0037	0.145	5.00 - 10.00
5A-00094	30193	Np-239	0.014 U	0.075	0.023	0.139	5.00 - 10.00
5A-00094	30193	Cs-134	0.0123 U J	0.037	0.0043	0.0864	5.00 - 10.00
5A-00094	30193	Te-125m	0.0356 SK	0.0075	0.0028	0.0838	5.00 - 10.00
5A-00094	30193	Eu-152	-0.0094 U	0.03	0.009	0.0566	5.00 - 10.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00094	30193	Np-236	-0.0036 U	0.024	0.0072	0.047	5.00 - 10.00
5A-00094	30193	Am-241	0.0017 U	0.0023	0.0012	0.0454	5.00 - 10.00
5A-00094	30193	Cm-243/244	0.0008 U	0.0062	0.0015	0.0443	5.00 - 10.00
5A-00094	30193	Ho-166m	0.0053 U	0.019	0.0057	0.0432	5.00 - 10.00
5A-00094	30193	Pu-238	-0.0011 U	0.0072	0.0012	0.0415	5.00 - 10.00
5A-00094	30193	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	5.00 - 10.00
5A-00094	30193	Cm-245/246	0.0008 U	0.0062	0.0015	0.0401	5.00 - 10.00
5A-00094	30193	Na-22	0.0015 U J	0.016	0.0048	0.037	5.00 - 10.00
5A-00094	30193	Pu-244	0.0024	0.0021	0.0014	0.0313	5.00 - 10.00
5A-00094	30193	Cm-247/248	0.0008 U	0.0022	0.0008	0.0306	5.00 - 10.00
5A-00094	30193	Co-60	0.0025 U	0.014	0.0042	0.028	5.00 - 10.00
5A-00094	30193	Sn-126	0.0103	0.0089	0.0039	0.0237	5.00 - 10.00
5A-00094	30193	Nb-94	0.003 U J	0.011	0.0024	0.0214	5.00 - 10.00
5A-00095	30364	Cd-113m	-22 U J	88.7	28	3030	0.00 - 0.50
5A-00095	30364	Tm-171	0.5 U	10.7	3.7	72.4	0.00 - 0.50
5A-00095	30364	K-40	23.3	0.0918	1.31	32.4	0.00 - 0.50
5A-00095	30364	Th-228	1.48	0.0908	0.142	3.98	0.00 - 0.50
5A-00095	30364	Th-234	1.26	0.193	0.116	3.19	0.00 - 0.50
5A-00095	30364	Th-232	1.14	0.0621	0.11	3.1	0.00 - 0.50
5A-00095	30364	Pb-212	1.65	0.0261	0.0973	2.69	0.00 - 0.50
5A-00095	30364	Th-230	0.784	0.0623	0.0866	2.2	0.00 - 0.50
5A-00095	30364	Bi-212	1.04	0.108	0.0714	2.15	0.00 - 0.50
5A-00095	30364	U-233/234	0.772	0.034	0.0857	2.02	0.00 - 0.50
5A-00095	30364	U-238	0.844	0.034	0.0915	1.8	0.00 - 0.50
5A-00095	30364	Pb-214	1.02	0.0232	0.0472	1.7	0.00 - 0.50
5A-00095	30364	Bi-214	0.93	0.0196	0.0415	1.59	0.00 - 0.50
5A-00095	30364	Tl-208	0.489	0.0135	0.0268	0.937	0.00 - 0.50
5A-00095	30364	Pa-231	-0.267 U	0.529	0.178	0.936	0.00 - 0.50
5A-00095	30364	Sr-90	-0.0214 U K	0.0934	0.0242	0.485	0.00 - 0.50
5A-00095	30364	Sb-125	0.0023 U	0.034	0.01	0.354	0.00 - 0.50
5A-00095	30364	Eu-155	0.0696 SK	0.0476	0.0199	0.231	0.00 - 0.50
5A-00095	30364	Ac-227	-0.0009 U	0.133	0.041	0.217	0.00 - 0.50
5A-00095	30364	Cs-137	0.2	0.0121	0.0125	0.207	0.00 - 0.50
5A-00095	30364	U-235/236	0.0593	0.0179	0.0203	0.151	0.00 - 0.50
5A-00095	30364	Eu-154	-0.0264 U	0.0698	0.0252	0.15	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00095	30364	Th-229	-0.0067 U	0.0724	0.015	0.145	0.00 - 0.50
5A-00095	30364	Np-239	-0.0174 U	0.0865	0.0269	0.139	0.00 - 0.50
5A-00095	30364	Cs-134	0.0006 U	0.0117	0.004	0.0864	0.00 - 0.50
5A-00095	30364	Eu-152	-0.0258 U J	0.0322	0.0114	0.0566	0.00 - 0.50
5A-00095	30364	Np-236	-0.0086 U	0.0242	0.0075	0.047	0.00 - 0.50
5A-00095	30364	Am-241	0.0192	0.0159	0.0065	0.0454	0.00 - 0.50
5A-00095	30364	Pu-236	0.0023 U	0.021	0.0051	0.0448	0.00 - 0.50
5A-00095	30364	Cm-243/244	0.0121	0.0041	0.0043	0.0443	0.00 - 0.50
5A-00095	30364	Ho-166m	-0.0023 U	0.0182	0.0056	0.0432	0.00 - 0.50
5A-00095	30364	Pu-238	-0.0078 U	0.0234	0.0044	0.0415	0.00 - 0.50
5A-00095	30364	Pu-239/240	0.0019 U	0.018	0.0043	0.0404	0.00 - 0.50
5A-00095	30364	Na-22	-0.0021 U	0.0167	0.0056	0.037	0.00 - 0.50
5A-00095	30364	Pu-244	0.0155	0.0052	0.0055	0.0313	0.00 - 0.50
5A-00095	30364	Co-60	0.003 U	0.0137	0.0041	0.028	0.00 - 0.50
5A-00095	30364	Sn-126	0.0016 U	0.0117	0.0036	0.0237	0.00 - 0.50
5A-00095	30364	Nb-94	0.0037 U	0.0105	0.0033	0.0214	0.00 - 0.50
5A-00096	30365	Cd-113m	32 U	88.6	29.5	3030	0.00 - 0.50
5A-00096	30365	Tm-171	0.884 U	5.4	1.74	72.4	0.00 - 0.50
5A-00096	30365	K-40	20.5	0.118	1.11	32.4	0.00 - 0.50
5A-00096	30365	Th-228	1.42	0.176	0.155	3.98	0.00 - 0.50
5A-00096	30365	Th-234	1.3	0.148	0.0976	3.19	0.00 - 0.50
5A-00096	30365	Th-232	1.21	0.0558	0.126	3.1	0.00 - 0.50
5A-00096	30365	Pb-212	1.37	0.0252	0.0764	2.69	0.00 - 0.50
5A-00096	30365	Th-230	0.813	0.056	0.0965	2.2	0.00 - 0.50
5A-00096	30365	Bi-212	0.868	0.126	0.0717	2.15	0.00 - 0.50
5A-00096	30365	U-233/234	0.809	0.0528	0.0921	2.02	0.00 - 0.50
5A-00096	30365	U-238	0.971	0.0636	0.105	1.8	0.00 - 0.50
5A-00096	30365	Pb-214	0.962	0.0239	0.0436	1.7	0.00 - 0.50
5A-00096	30365	Bi-214	0.846	0.0239	0.0405	1.59	0.00 - 0.50
5A-00096	30365	Tl-208	0.454	0.0154	0.0255	0.937	0.00 - 0.50
5A-00096	30365	Pa-231	0.0222 U	0.548	0.17	0.936	0.00 - 0.50
5A-00096	30365	Sr-90	-0.0466 U K	0.253	0.062	0.485	0.00 - 0.50
5A-00096	30365	Sb-125	-0.0123 U	0.0366	0.0114	0.354	0.00 - 0.50
5A-00096	30365	Eu-155	0.074 SK	0.0393	0.018	0.231	0.00 - 0.50
5A-00096	30365	Ac-227	-0.0326 U	0.131	0.0465	0.217	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00096	30365	Cs-137	0.0366	0.0129	0.0071	0.207	0.00 - 0.50
5A-00096	30365	U-235/236	0.0381	0.046	0.0186	0.151	0.00 - 0.50
5A-00096	30365	Eu-154	-0.0118 U	0.0873	0.0304	0.15	0.00 - 0.50
5A-00096	30365	Th-229	0.0838	0.0707	0.03	0.145	0.00 - 0.50
5A-00096	30365	Np-239	-0.0307 U	0.0839	0.027	0.139	0.00 - 0.50
5A-00096	30365	Cs-134	0.0003 U	0.0138	0.0048	0.0864	0.00 - 0.50
5A-00096	30365	Eu-152	-0.0337 JU	0.0331	0.0128	0.0566	0.00 - 0.50
5A-00096	30365	Np-236	-0.0042 U	0.0209	0.0063	0.047	0.00 - 0.50
5A-00096	30365	Am-241	0.0109	0.0074	0.0055	0.0454	0.00 - 0.50
5A-00096	30365	Pu-236	0.0018 U	0.02	0.004	0.0448	0.00 - 0.50
5A-00096	30365	Cm-243/244	0.0014 U	0.0155	0.0031	0.0443	0.00 - 0.50
5A-00096	30365	Ho-166m	0.0042 U	0.023	0.0067	0.0432	0.00 - 0.50
5A-00096	30365	Pu-238	0.0064	0.0087	0.0046	0.0415	0.00 - 0.50
5A-00096	30365	Pu-239/240	-0.0001 U	0.027	0.0056	0.0404	0.00 - 0.50
5A-00096	30365	Na-22	0.0003 U	0.0204	0.0059	0.037	0.00 - 0.50
5A-00096	30365	Pu-244	0.0096	0.0087	0.0056	0.0313	0.00 - 0.50
5A-00096	30365	Co-60	0.0035 U	0.0172	0.005	0.028	0.00 - 0.50
5A-00096	30365	Sn-126	0.0005 U	0.0141	0.0041	0.0237	0.00 - 0.50
5A-00096	30365	Nb-94	0.0012 U	0.0125	0.0036	0.0214	0.00 - 0.50
5A-00098	30367	Cd-113m	4 U	34	10	3030	0.00 - 0.50
5A-00098	30367	Tm-171	-2 U	5.6	1.7	72.4	0.00 - 0.50
5A-00098	30367	K-40	22	0.1	1.1	32.4	0.00 - 0.50
5A-00098	30367	Th-228	1.18	0.013	0.06	3.98	0.00 - 0.50
5A-00098	30367	Th-234	1.33 R	0.13	0.094	3.19	0.00 - 0.50
5A-00098	30367	Th-232	1.15	0.003	0.059	3.1	0.00 - 0.50
5A-00098	30367	Pb-212	1.46	0.021	0.096	2.69	0.00 - 0.50
5A-00098	30367	Th-230	0.843	0.007	0.046	2.2	0.00 - 0.50
5A-00098	30367	Bi-212	0.92	0.12	0.084	2.15	0.00 - 0.50
5A-00098	30367	U-233/234	0.694	0.01	0.04	2.02	0.00 - 0.50
5A-00098	30367	U-238	0.756	0.003	0.042	1.8	0.00 - 0.50
5A-00098	30367	Pb-214	0.831	0.019	0.045	1.7	0.00 - 0.50
5A-00098	30367	Bi-214	0.73	0.022	0.04	1.59	0.00 - 0.50
5A-00098	30367	Tl-208	0.435	0.016	0.025	0.937	0.00 - 0.50
5A-00098	30367	Pa-231	-0.07 U	0.49	0.15	0.936	0.00 - 0.50
5A-00098	30367	Sr-90	0.012 U	0.037	0.011	0.485	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00098	30367	Sb-125	0.094 SK	0.03	0.0083	0.354	0.00 - 0.50
5A-00098	30367	Eu-155	0.078 SK	0.032	0.014	0.231	0.00 - 0.50
5A-00098	30367	Ac-227	0.043 U J	0.12	0.013	0.217	0.00 - 0.50
5A-00098	30367	Cs-137	0.103	0.011	0.0077	0.207	0.00 - 0.50
5A-00098	30367	U-235/236	0.0501	0.0035	0.0083	0.151	0.00 - 0.50
5A-00098	30367	Eu-154	-0.013 U J	0.081	0.024	0.15	0.00 - 0.50
5A-00098	30367	Th-229	0.0072	0.0028	0.0027	0.145	0.00 - 0.50
5A-00098	30367	Np-239	-0.0001 U	0.076	0.023	0.139	0.00 - 0.50
5A-00098	30367	Cs-134	0.0133 U J	0.038	0.0038	0.0864	0.00 - 0.50
5A-00098	30367	Te-125m	0.0217 SK	0.007	0.0019	0.0838	0.00 - 0.50
5A-00098	30367	Eu-152	-0.0034 U	0.032	0.0097	0.0566	0.00 - 0.50
5A-00098	30367	Np-236	-0.0083 U	0.027	0.0082	0.047	0.00 - 0.50
5A-00098	30367	Am-241	0.0023 U	0.0073	0.0021	0.0454	0.00 - 0.50
5A-00098	30367	Pu-236	-0.0002 U	0.0068	0.0012	0.0448	0.00 - 0.50
5A-00098	30367	Cm-243/244	0 U	0.0059	0.0011	0.0443	0.00 - 0.50
5A-00098	30367	Ho-166m	0.0056 U	0.02	0.0082	0.0432	0.00 - 0.50
5A-00098	30367	Pu-238	0.0008 U	0.0021	0.0008	0.0415	0.00 - 0.50
5A-00098	30367	Pu-239/240	-0.0005 U	0.0046	0.0005	0.0404	0.00 - 0.50
5A-00098	30367	Cm-245/246	0 U	0.0021	0.0008	0.0401	0.00 - 0.50
5A-00098	30367	Na-22	0 U	0.018	0.0054	0.037	0.00 - 0.50
5A-00098	30367	Pu-244	0.0008 U	0.0021	0.0008	0.0313	0.00 - 0.50
5A-00098	30367	Cm-247/248	0.0008 U	0.002	0.0008	0.0306	0.00 - 0.50
5A-00098	30367	Co-60	0.0035 U	0.015	0.004	0.028	0.00 - 0.50
5A-00098	30367	Sn-126	0 U	0.012	0.0036	0.0237	0.00 - 0.50
5A-00098	30367	Nb-94	0.001 U	0.011	0.0022	0.0214	0.00 - 0.50
5A-00099	30368	Cd-113m	24.1	24	9.4	3030	0.00 - 0.50
5A-00099	30368	Tm-171	-2.4 U	4.4	1.3	72.4	0.00 - 0.50
5A-00099	30368	K-40	20.8	0.13	0.69	32.4	0.00 - 0.50
5A-00099	30368	Th-228	1.12	0.017	0.057	3.98	0.00 - 0.50
5A-00099	30368	Th-234	0.389 R	0.13	0.044	3.19	0.00 - 0.50
5A-00099	30368	Th-232	1.18	0.008	0.059	3.1	0.00 - 0.50
5A-00099	30368	Pb-212	1.44	0.019	0.076	2.69	0.00 - 0.50
5A-00099	30368	Th-230	0.889	0.01	0.047	2.2	0.00 - 0.50
5A-00099	30368	Bi-212	0.905	0.1	0.067	2.15	0.00 - 0.50
5A-00099	30368	U-233/234	0.79	0.012	0.046	2.02	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00099	30368	U-238	0.784	0.012	0.046	1.8	0.00 - 0.50
5A-00099	30368	Pb-214	0.961	0.02	0.036	1.7	0.00 - 0.50
5A-00099	30368	Bi-214	0.836	0.018	0.031	1.59	0.00 - 0.50
5A-00099	30368	Tl-208	0.432	0.012	0.017	0.937	0.00 - 0.50
5A-00099	30368	Pa-231	0.09 U	0.4	0.12	0.936	0.00 - 0.50
5A-00099	30368	Sr-90	0.005 U	0.052	0.015	0.485	0.00 - 0.50
5A-00099	30368	Sb-125	0.133 JSK	0.028	0.0089	0.354	0.00 - 0.50
5A-00099	30368	Eu-155	0.079 SK	0.03	0.013	0.231	0.00 - 0.50
5A-00099	30368	Ac-227	0.056	0.11	0.014	0.217	0.00 - 0.50
5A-00099	30368	Cs-137	0.0408	0.0089	0.0044	0.207	0.00 - 0.50
5A-00099	30368	U-235/236	0.0327	0.011	0.0076	0.151	0.00 - 0.50
5A-00099	30368	Eu-154	-0.035 U	0.072	0.022	0.15	0.00 - 0.50
5A-00099	30368	Th-229	0.0066	0.0077	0.0031	0.145	0.00 - 0.50
5A-00099	30368	Np-239	0.007 U	0.072	0.022	0.139	0.00 - 0.50
5A-00099	30368	Cs-134	0.0101 U	0.034	0.0023	0.0864	0.00 - 0.50
5A-00099	30368	Te-125m	0.0307 JSK	0.0065	0.0021	0.0838	0.00 - 0.50
5A-00099	30368	Eu-152	-0.0074 U	0.028	0.0084	0.0566	0.00 - 0.50
5A-00099	30368	Np-236	0.0037 U	0.025	0.0076	0.047	0.00 - 0.50
5A-00099	30368	Am-241	0.0026 U	0.018	0.005	0.0454	0.00 - 0.50
5A-00099	30368	Pu-236	0 U	0.0013	0.0005	0.0448	0.00 - 0.50
5A-00099	30368	Cm-243/244	-0.0013 U	0.012	0.0023	0.0443	0.00 - 0.50
5A-00099	30368	Ho-166m	0.005 U	0.018	0.0032	0.0432	0.00 - 0.50
5A-00099	30368	Pu-238	0.0029	0.0035	0.0014	0.0415	0.00 - 0.50
5A-00099	30368	Pu-239/240	0.0038	0.0013	0.0014	0.0404	0.00 - 0.50
5A-00099	30368	Cm-245/246	0.0048 J	0.0043	0.0028	0.0401	0.00 - 0.50
5A-00099	30368	Na-22	-0.0051 U	0.016	0.0049	0.037	0.00 - 0.50
5A-00099	30368	Pu-244	0.0005 U	0.0035	0.0009	0.0313	0.00 - 0.50
5A-00099	30368	Cm-247/248	-0.0008 U	0.0087	0.0009	0.0306	0.00 - 0.50
5A-00099	30368	Co-60	-0.0027 U	0.014	0.0041	0.028	0.00 - 0.50
5A-00099	30368	Sn-126	0.0001 U	0.011	0.0033	0.0237	0.00 - 0.50
5A-00099	30368	Nb-94	0.0045 U	0.0098	0.003	0.0214	0.00 - 0.50
5A-00100	30369	Cd-113m	1.69 U	84.5	26	3030	0.00 - 0.50
5A-00100	30369	Tm-171	-0.993 U	9.66	3.37	72.4	0.00 - 0.50
5A-00100	30369	K-40	22.7	0.0863	1.28	32.4	0.00 - 0.50
5A-00100	30369	Th-228	1.28	0.105	0.13	3.98	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00100	30369	Th-234	1.63	0.186	0.133	3.19	0.00 - 0.50
5A-00100	30369	Th-232	1.12	0.0459	0.11	3.1	0.00 - 0.50
5A-00100	30369	Pb-212	1.44	0.0238	0.0854	2.69	0.00 - 0.50
5A-00100	30369	Th-230	0.713	0.0751	0.0829	2.2	0.00 - 0.50
5A-00100	30369	Bi-212	0.88	0.0992	0.0679	2.15	0.00 - 0.50
5A-00100	30369	U-233/234	0.907	0.0944	0.111	2.02	0.00 - 0.50
5A-00100	30369	U-238	0.829	0.0689	0.103	1.8	0.00 - 0.50
5A-00100	30369	Pb-214	1.04	0.0219	0.0478	1.7	0.00 - 0.50
5A-00100	30369	Bi-214	0.915	0.0197	0.0414	1.59	0.00 - 0.50
5A-00100	30369	Tl-208	0.414	0.0129	0.0227	0.937	0.00 - 0.50
5A-00100	30369	Pa-231	-0.054 U	0.51	0.159	0.936	0.00 - 0.50
5A-00100	30369	Sr-90	-0.0683 U K	0.223	0.051	0.485	0.00 - 0.50
5A-00100	30369	Sb-125	-0.0036 U	0.0314	0.0093	0.354	0.00 - 0.50
5A-00100	30369	Eu-155	0.113 SK	0.0446	0.0232	0.231	0.00 - 0.50
5A-00100	30369	Ac-227	-0.0294 U	0.126	0.0396	0.217	0.00 - 0.50
5A-00100	30369	Cs-137	0.0735	0.0112	0.0064	0.207	0.00 - 0.50
5A-00100	30369	U-235/236	0.0215	0.0599	0.0177	0.151	0.00 - 0.50
5A-00100	30369	Eu-154	-0.0273 U	0.0709	0.0224	0.15	0.00 - 0.50
5A-00100	30369	Th-229	0.0188 U	0.0582	0.0166	0.145	0.00 - 0.50
5A-00100	30369	Np-239	0.0479 J	0.0839	0.0277	0.139	0.00 - 0.50
5A-00100	30369	Cs-134	0.0037 U	0.0113	0.0039	0.0864	0.00 - 0.50
5A-00100	30369	Eu-152	-0.0221 JU	0.0312	0.0109	0.0566	0.00 - 0.50
5A-00100	30369	Np-236	-0.0023 U	0.0233	0.0069	0.047	0.00 - 0.50
5A-00100	30369	Am-241	0.0075 U	0.0231	0.0066	0.0454	0.00 - 0.50
5A-00100	30369	Pu-236	0.0019 U	0.0209	0.0042	0.0448	0.00 - 0.50
5A-00100	30369	Cm-243/244	-0.0077 U	0.0279	0.0046	0.0443	0.00 - 0.50
5A-00100	30369	Ho-166m	-0.0139 JU	0.0167	0.0062	0.0432	0.00 - 0.50
5A-00100	30369	Pu-238	0.0034	0.0091	0.0034	0.0415	0.00 - 0.50
5A-00100	30369	Pu-239/240	0.0133	0.0226	0.0079	0.0404	0.00 - 0.50
5A-00100	30369	Na-22	-0.0008 U	0.016	0.0049	0.037	0.00 - 0.50
5A-00100	30369	Pu-244	-0.0017 U	0.0186	0.0037	0.0313	0.00 - 0.50
5A-00100	30369	Co-60	0.0028 U	0.0132	0.004	0.028	0.00 - 0.50
5A-00100	30369	Sn-126	0.0015 U	0.0113	0.0034	0.0237	0.00 - 0.50
5A-00100	30369	Nb-94	0.0055 SK	0.0104	0.0033	0.0214	0.00 - 0.50
5A-00101	30370	Cd-113m	-5 U	34	10	3030	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00101	30370	Tm-171	1.1 U	3.9	1.2	72.4	0.00 - 0.50
5A-00101	30370	K-40	22.3	0.13	0.74	32.4	0.00 - 0.50
5A-00101	30370	Th-228	1.08	0.009	0.054	3.98	0.00 - 0.50
5A-00101	30370	Th-234	1.5 R	0.13	0.084	3.19	0.00 - 0.50
5A-00101	30370	Th-232	1.05	0.008	0.053	3.1	0.00 - 0.50
5A-00101	30370	Pb-212	1.46	0.023	0.077	2.69	0.00 - 0.50
5A-00101	30370	Th-230	0.818	0.009	0.043	2.2	0.00 - 0.50
5A-00101	30370	Bi-212	1.01	0.11	0.07	2.15	0.00 - 0.50
5A-00101	30370	U-233/234	0.828	0.012	0.046	2.02	0.00 - 0.50
5A-00101	30370	U-238	0.914	0.01	0.05	1.8	0.00 - 0.50
5A-00101	30370	Pb-214	1.03	0.022	0.038	1.7	0.00 - 0.50
5A-00101	30370	Bi-214	0.898	0.02	0.033	1.59	0.00 - 0.50
5A-00101	30370	Tl-208	0.465	0.014	0.018	0.937	0.00 - 0.50
5A-00101	30370	Pa-231	0.002 U	0.45	0.14	0.936	0.00 - 0.50
5A-00101	30370	Sr-90	0.018 U	0.054	0.016	0.485	0.00 - 0.50
5A-00101	30370	Sb-125	0.1 JSK	0.033	0.0072	0.354	0.00 - 0.50
5A-00101	30370	Eu-155	0.072 SK	0.027	0.011	0.231	0.00 - 0.50
5A-00101	30370	Ac-227	0.019 U	0.12	0.02	0.217	0.00 - 0.50
5A-00101	30370	Cs-137	0.0467	0.0099	0.0051	0.207	0.00 - 0.50
5A-00101	30370	U-235/236	0.0404	0.013	0.0082	0.151	0.00 - 0.50
5A-00101	30370	Eu-154	-0.016 U	0.071	0.021	0.15	0.00 - 0.50
5A-00101	30370	Th-229	-0.0013 U	0.016	0.0037	0.145	0.00 - 0.50
5A-00101	30370	Np-239	-0.007 U	0.068	0.021	0.139	0.00 - 0.50
5A-00101	30370	Cs-134	0.0043 U	0.043	0.0062	0.0864	0.00 - 0.50
5A-00101	30370	Te-125m	0.0232 JSK	0.0076	0.0017	0.0838	0.00 - 0.50
5A-00101	30370	Eu-152	0.017	0.031	0.012	0.0566	0.00 - 0.50
5A-00101	30370	Np-236	-0.0042 U	0.026	0.008	0.047	0.00 - 0.50
5A-00101	30370	Am-241	0.0042 U	0.013	0.0039	0.0454	0.00 - 0.50
5A-00101	30370	Pu-236	0 U	0.0035	0.0007	0.0448	0.00 - 0.50
5A-00101	30370	Cm-243/244	-0.0042 U	0.017	0.0034	0.0443	0.00 - 0.50
5A-00101	30370	Ho-166m	0.0325 SK	0.019	0.0044	0.0432	0.00 - 0.50
5A-00101	30370	Pu-238	0.0047	0.0035	0.0017	0.0415	0.00 - 0.50
5A-00101	30370	Pu-239/240	0.0033	0.0044	0.0016	0.0404	0.00 - 0.50
5A-00101	30370	Cm-245/246	0.0036 J	0.0049	0.0026	0.0401	0.00 - 0.50
5A-00101	30370	Na-22	-0.0047 U	0.019	0.0056	0.037	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00101	30370	Pu-244	0.001 U	0.0013	0.0007	0.0313	0.00 - 0.50
5A-00101	30370	Cm-247/248	-0.0009 U	0.0099	0.001	0.0306	0.00 - 0.50
5A-00101	30370	Co-60	0.0015 U	0.015	0.0023	0.028	0.00 - 0.50
5A-00101	30370	Sn-126	0.0012 U	0.012	0.0036	0.0237	0.00 - 0.50
5A-00101	30370	Nb-94	0.0042 U	0.011	0.0034	0.0214	0.00 - 0.50
5A-00102	30371	Cd-113m	7 U	39	12	3030	0.00 - 0.50
5A-00102	30371	Tm-171	-2.2 U	6	1.8	72.4	0.00 - 0.50
5A-00102	30371	K-40	21.9	0.14	0.66	32.4	0.00 - 0.50
5A-00102	30371	Th-228	1.17	0.013	0.059	3.98	0.00 - 0.50
5A-00102	30371	Th-234	0.381 R	0.15	0.049	3.19	0.00 - 0.50
5A-00102	30371	Th-232	1.17	0.007	0.059	3.1	0.00 - 0.50
5A-00102	30371	Pb-212	1.33	0.028	0.042	2.69	0.00 - 0.50
5A-00102	30371	Th-230	0.906	0.002	0.048	2.2	0.00 - 0.50
5A-00102	30371	Bi-212	1.01	0.14	0.086	2.15	0.00 - 0.50
5A-00102	30371	U-233/234	0.658	0.011	0.039	2.02	0.00 - 0.50
5A-00102	30371	U-238	0.725	0.009	0.042	1.8	0.00 - 0.50
5A-00102	30371	Pb-214	1.01	0.023	0.042	1.7	0.00 - 0.50
5A-00102	30371	Bi-214	0.956	0.026	0.034	1.59	0.00 - 0.50
5A-00102	30371	Tl-208	0.469	0.019	0.018	0.937	0.00 - 0.50
5A-00102	30371	Pa-231	0.05 U	0.56	0.17	0.936	0.00 - 0.50
5A-00102	30371	Sr-90	0.006 U	0.059	0.017	0.485	0.00 - 0.50
5A-00102	30371	Sb-125	0.119 JSK	0.039	0.0098	0.354	0.00 - 0.50
5A-00102	30371	Eu-155	0.084 SK	0.033	0.014	0.231	0.00 - 0.50
5A-00102	30371	Ac-227	0.034 U	0.14	0.047	0.217	0.00 - 0.50
5A-00102	30371	Cs-137	0.0427	0.012	0.0057	0.207	0.00 - 0.50
5A-00102	30371	U-235/236	0.0397	0.004	0.0078	0.151	0.00 - 0.50
5A-00102	30371	Eu-154	0.001 U	0.097	0.0024	0.15	0.00 - 0.50
5A-00102	30371	Th-229	-0.0024 U	0.016	0.0037	0.145	0.00 - 0.50
5A-00102	30371	Np-239	-0.003 U	0.063	0.019	0.139	0.00 - 0.50
5A-00102	30371	Cs-134	0.005 U	0.046	0.0028	0.0864	0.00 - 0.50
5A-00102	30371	Te-125m	0.0274 JSK	0.009	0.0023	0.0838	0.00 - 0.50
5A-00102	30371	Eu-152	-0.007 U	0.033	0.01	0.0566	0.00 - 0.50
5A-00102	30371	Np-236	-0.0056 U	0.03	0.0092	0.047	0.00 - 0.50
5A-00102	30371	Am-241	0.0023	0.0021	0.0014	0.0454	0.00 - 0.50
5A-00102	30371	Pu-236	0.0005 U	0.0012	0.0005	0.0448	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00102	30371	Cm-243/244	0.0008 U	0.0021	0.0008	0.0443	0.00 - 0.50
5A-00102	30371	Ho-166m	0.0113 U	0.024	0.0073	0.0432	0.00 - 0.50
5A-00102	30371	Pu-238	0.0018	0.0034	0.0011	0.0415	0.00 - 0.50
5A-00102	30371	Pu-239/240	0.0023	0.0012	0.001	0.0404	0.00 - 0.50
5A-00102	30371	Cm-245/246	0.0044 J	0.004	0.0026	0.0401	0.00 - 0.50
5A-00102	30371	Na-22	0.0054 U	0.016	0.0049	0.037	0.00 - 0.50
5A-00102	30371	Pu-244	0.0005 U	0.0012	0.0005	0.0313	0.00 - 0.50
5A-00102	30371	Cm-247/248	0 U	0.0039	0.0011	0.0306	0.00 - 0.50
5A-00102	30371	Co-60	0 U	0.018	0.0001	0.028	0.00 - 0.50
5A-00102	30371	Sn-126	0.0067	0.012	0.0037	0.0237	0.00 - 0.50
5A-00102	30371	Nb-94	0.0112 SK	0.01	0.0044	0.0214	0.00 - 0.50
5A-00103	30194	Cd-113m	-60.4 U	108	38	3030	0.00 - 0.50
5A-00103	30194	Tm-171	-7.83 U	17.9	6.3	72.4	0.00 - 0.50
5A-00103	30194	K-40	21.9	0.0982	1.35	32.4	0.00 - 0.50
5A-00103	30194	Th-228	1.22	0.02	0.118	3.98	0.00 - 0.50
5A-00103	30194	Th-234	1.78	0.259	0.168	3.19	0.00 - 0.50
5A-00103	30194	Th-232	0.911	0.0162	0.0904	3.1	0.00 - 0.50
5A-00103	30194	Pb-212	1.77	0.0315	0.116	2.69	0.00 - 0.50
5A-00103	30194	Th-230	0.968	0.0789	0.0961	2.2	0.00 - 0.50
5A-00103	30194	Bi-212	1.08	0.122	0.0775	2.15	0.00 - 0.50
5A-00103	30194	U-233/234	0.999	0.0136	0.101	2.02	0.00 - 0.50
5A-00103	30194	U-238	0.963	0.0369	0.0988	1.8	0.00 - 0.50
5A-00103	30194	Pb-214	1.07	0.0281	0.0532	1.7	0.00 - 0.50
5A-00103	30194	Bi-214	0.97	0.0244	0.0437	1.59	0.00 - 0.50
5A-00103	30194	Tl-208	0.535	0.0153	0.0296	0.937	0.00 - 0.50
5A-00103	30194	Pa-231	-0.357 U	0.657	0.232	0.936	0.00 - 0.50
5A-00103	30194	Sr-90	0.022 U K	0.167	0.0464	0.485	0.00 - 0.50
5A-00103	30194	Sb-125	-0.0006 U	0.0401	0.0121	0.354	0.00 - 0.50
5A-00103	30194	Eu-155	0.103 SK	0.0624	0.0246	0.231	0.00 - 0.50
5A-00103	30194	Ac-227	-0.0452 U	0.16	0.051	0.217	0.00 - 0.50
5A-00103	30194	Cs-137	0.125	0.0136	0.0095	0.207	0.00 - 0.50
5A-00103	30194	U-235/236	0.0868	0.0168	0.024	0.151	0.00 - 0.50
5A-00103	30194	Eu-154	0.0381 U	0.0821	0.0296	0.15	0.00 - 0.50
5A-00103	30194	Th-229	0 U	0.0649	0.0148	0.145	0.00 - 0.50
5A-00103	30194	Np-239	-0.0327 U	0.106	0.0339	0.139	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00103	30194	Cs-134	0.0067 U	0.0142	0.005	0.0864	0.00 - 0.50
5A-00103	30194	Eu-152	-0.0056 U	0.0395	0.0144	0.0566	0.00 - 0.50
5A-00103	30194	Np-236	-0.0144 U	0.0312	0.0103	0.047	0.00 - 0.50
5A-00103	30194	Am-241	0.0037 U	0.0137	0.0037	0.0454	0.00 - 0.50
5A-00103	30194	Pu-236	0.0028 U	0.0448	0.0116	0.0448	0.00 - 0.50
5A-00103	30194	Cm-243/244	0.0025 U	0.017	0.004	0.0443	0.00 - 0.50
5A-00103	30194	Ho-166m	0.0041 U	0.0214	0.0063	0.0432	0.00 - 0.50
5A-00103	30194	Pu-238	0 U	0.0263	0.006	0.0415	0.00 - 0.50
5A-00103	30194	Pu-239/240	0 U	0.0179	0.0034	0.0404	0.00 - 0.50
5A-00103	30194	Na-22	-0.0158 U J	0.0191	0.007	0.037	0.00 - 0.50
5A-00103	30194	Pu-244	0.0024 U	0.0179	0.0042	0.0313	0.00 - 0.50
5A-00103	30194	Co-60	0.0002 U	0.0154	0.0045	0.028	0.00 - 0.50
5A-00103	30194	Sn-126	0.0019 U	0.0136	0.004	0.0237	0.00 - 0.50
5A-00103	30194	Nb-94	0.0024 U	0.0122	0.0036	0.0214	0.00 - 0.50
5A-00104	30195	Cd-113m	18 U	96.5	28.7	3030	0.00 - 0.50
5A-00104	30195	Tm-171	-4.34 U	12.2	4.15	72.4	0.00 - 0.50
5A-00104	30195	K-40	22.8	0.104	0.778	32.4	0.00 - 0.50
5A-00104	30195	Th-228	1.52	0.107	0.164	3.98	0.00 - 0.50
5A-00104	30195	Th-234	1.64	0.219	0.112	3.19	0.00 - 0.50
5A-00104	30195	Th-232	1.38	0.0229	0.145	3.1	0.00 - 0.50
5A-00104	30195	Pb-212	1.72	0.0269	0.0593	2.69	0.00 - 0.50
5A-00104	30195	Th-230	1.01	0.0229	0.116	2.2	0.00 - 0.50
5A-00104	30195	Bi-212	1.04	0.118	0.0676	2.15	0.00 - 0.50
5A-00104	30195	U-233/234	1.04	0.0403	0.101	2.02	0.00 - 0.50
5A-00104	30195	U-238	1.21	0.0117	0.113	1.8	0.00 - 0.50
5A-00104	30195	Pb-214	1.14	0.0253	0.0407	1.7	0.00 - 0.50
5A-00104	30195	Bi-214	1.01	0.023	0.0367	1.59	0.00 - 0.50
5A-00104	30195	Tl-208	0.528	0.0145	0.0209	0.937	0.00 - 0.50
5A-00104	30195	Pa-231	0.258 U	0.607	0.201	0.936	0.00 - 0.50
5A-00104	30195	Sr-90	-0.115 U K	0.305	0.0765	0.485	0.00 - 0.50
5A-00104	30195	Sb-125	0.0162 U	0.0378	0.012	0.354	0.00 - 0.50
5A-00104	30195	Eu-155	0.0937 SK	0.0522	0.0226	0.231	0.00 - 0.50
5A-00104	30195	Ac-227	0.0295 U	0.148	0.0441	0.217	0.00 - 0.50
5A-00104	30195	Cs-137	0.0999	0.0131	0.0063	0.207	0.00 - 0.50
5A-00104	30195	U-235/236	0.0322	0.0577	0.0187	0.151	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00104	30195	Eu-154	-0.0579 U	0.0758	0.0302	0.15	0.00 - 0.50
5A-00104	30195	Th-229	0.0509	0.0787	0.027	0.145	0.00 - 0.50
5A-00104	30195	Np-239	0.0079 U	0.0951	0.0279	0.139	0.00 - 0.50
5A-00104	30195	Cs-134	0.0022 U	0.0129	0.0044	0.0864	0.00 - 0.50
5A-00104	30195	Eu-152	-0.0177 U	0.0357	0.0131	0.0566	0.00 - 0.50
5A-00104	30195	Np-236	-0.0149 U	0.0268	0.0089	0.047	0.00 - 0.50
5A-00104	30195	Am-241	-0.0079 U	0.0273	0.0052	0.0454	0.00 - 0.50
5A-00104	30195	Pu-236	0.0003 U	0.0245	0.0055	0.0448	0.00 - 0.50
5A-00104	30195	Cm-243/244	0.0003 U	0.0213	0.0048	0.0443	0.00 - 0.50
5A-00104	30195	Ho-166m	-0.0008 U	0.0207	0.0062	0.0432	0.00 - 0.50
5A-00104	30195	Pu-238	0.0006 U	0.014	0.0027	0.0415	0.00 - 0.50
5A-00104	30195	Pu-239/240	-0.0019 U	0.022	0.0044	0.0404	0.00 - 0.50
5A-00104	30195	Na-22	-0.0162 JU	0.0184	0.0069	0.037	0.00 - 0.50
5A-00104	30195	Pu-244	0.0044	0.0059	0.0031	0.0313	0.00 - 0.50
5A-00104	30195	Co-60	-0.0056 U	0.0146	0.0047	0.028	0.00 - 0.50
5A-00104	30195	Sn-126	0.0078 U	0.0137	0.0044	0.0237	0.00 - 0.50
5A-00104	30195	Nb-94	0.0057 U	0.0122	0.0038	0.0214	0.00 - 0.50
5A-00105	30196	Cd-113m	-3 U	40	12	3030	0.00 - 0.50
5A-00105	30196	Tm-171	0.9 U	4.7	1.4	72.4	0.00 - 0.50
5A-00105	30196	K-40	19.9	0.17	0.99	32.4	0.00 - 0.50
5A-00105	30196	Th-228	1.31	0.013	0.065	3.98	0.00 - 0.50
5A-00105	30196	Th-234	0.706 R	0.16	0.063	3.19	0.00 - 0.50
5A-00105	30196	Th-232	1.36	0.002	0.067	3.1	0.00 - 0.50
5A-00105	30196	Pb-212	1.65	0.026	0.093	2.69	0.00 - 0.50
5A-00105	30196	Th-230	1.01	0.01	0.052	2.2	0.00 - 0.50
5A-00105	30196	Bi-212	1.04	0.15	0.095	2.15	0.00 - 0.50
5A-00105	30196	U-233/234	0.748	0.01	0.042	2.02	0.00 - 0.50
5A-00105	30196	U-238	0.75	0.008	0.042	1.8	0.00 - 0.50
5A-00105	30196	Pb-214	0.885	0.029	0.046	1.7	0.00 - 0.50
5A-00105	30196	Bi-214	0.837	0.03	0.045	1.59	0.00 - 0.50
5A-00105	30196	Tl-208	0.493	0.019	0.027	0.937	0.00 - 0.50
5A-00105	30196	Pa-231	0.06 U	0.61	0.18	0.936	0.00 - 0.50
5A-00105	30196	Sr-90	0.0121 U	0.033	0.0099	0.485	0.00 - 0.50
5A-00105	30196	Sb-125	0.135 SK	0.047	0.014	0.354	0.00 - 0.50
5A-00105	30196	Eu-155	0.071 SK	0.035	0.014	0.231	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00105	30196	Ac-227	0.161 J	0.12	0.046	0.217	0.00 - 0.50
5A-00105	30196	Cs-137	0.0496	0.02	0.0079	0.207	0.00 - 0.50
5A-00105	30196	U-235/236	0.03	0.0035	0.0064	0.151	0.00 - 0.50
5A-00105	30196	Eu-154	-0.024 U J	0.12	0.035	0.15	0.00 - 0.50
5A-00105	30196	Th-229	0.0046	0.0087	0.0028	0.145	0.00 - 0.50
5A-00105	30196	Np-239	-0.009 U	0.095	0.029	0.139	0.00 - 0.50
5A-00105	30196	Cs-134	-0.0124 U J	0.02	0.0061	0.0864	0.00 - 0.50
5A-00105	30196	Te-125m	0.0313 SK	0.011	0.0031	0.0838	0.00 - 0.50
5A-00105	30196	Eu-152	-0.007 U	0.042	0.013	0.0566	0.00 - 0.50
5A-00105	30196	Np-236	0.0023 U	0.03	0.0091	0.047	0.00 - 0.50
5A-00105	30196	Am-241	0.0047	0.0025	0.0021	0.0454	0.00 - 0.50
5A-00105	30196	Pu-236	0.0013 U	0.0089	0.0022	0.0448	0.00 - 0.50
5A-00105	30196	Cm-243/244	-0.001 U	0.011	0.0025	0.0443	0.00 - 0.50
5A-00105	30196	Ho-166m	0.0109 U	0.028	0.0088	0.0432	0.00 - 0.50
5A-00105	30196	Pu-238	-0.0007 U	0.0075	0.0013	0.0415	0.00 - 0.50
5A-00105	30196	Pu-239/240	0.0031	0.0053	0.0019	0.0404	0.00 - 0.50
5A-00105	30196	Cm-245/246	-0.0022 U	0.022	0.0043	0.0401	0.00 - 0.50
5A-00105	30196	Na-22	0.0061 U	0.027	0.008	0.037	0.00 - 0.50
5A-00105	30196	Pu-244	0.0018	0.0024	0.0013	0.0313	0.00 - 0.50
5A-00105	30196	Cm-247/248	0.0022 U	0.0058	0.0022	0.0306	0.00 - 0.50
5A-00105	30196	Co-60	-0.0055 U	0.023	0.0068	0.028	0.00 - 0.50
5A-00105	30196	Sn-126	0.004 U	0.016	0.0049	0.0237	0.00 - 0.50
5A-00105	30196	Nb-94	0.0058 U	0.013	0.0024	0.0214	0.00 - 0.50
5A-00106	30197	Cd-113m	-0.6 U	46	14	3030	0.00 - 0.50
5A-00106	30197	Cd-113m	-0.6	46	14	3030	0.00 - 0.50
5A-00106	30197	Tm-171	-12.1	10	3.2	72.4	0.00 - 0.50
5A-00106	30197	Tm-171	-12.1 U J	10	3.2	72.4	0.00 - 0.50
5A-00106	30197	K-40	20.6	0.1	1	32.4	0.00 - 0.50
5A-00106	30197	K-40	20.6	0.1	1	32.4	0.00 - 0.50
5A-00106	30197	Th-228	1.48	0.024	0.08	3.98	0.00 - 0.50
5A-00106	30197	Th-228	1.48	0.024	0.08	3.98	0.00 - 0.50
5A-00106	30197	Th-234	1.52 R	0.23	0.11	3.19	0.00 - 0.50
5A-00106	30197	Th-234	1.52	0.23	0.11	3.19	0.00 - 0.50
5A-00106	30197	Th-232	1.45	0.013	0.079	3.1	0.00 - 0.50
5A-00106	30197	Th-232	1.45	0.013	0.079	3.1	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00106	30197	Pb-212	1.49	0.04	0.076	2.69	0.00 - 0.50
5A-00106	30197	Pb-212	1.49	0.04	0.076	2.69	0.00 - 0.50
5A-00106	30197	Th-230	1.16	0.005	0.066	2.2	0.00 - 0.50
5A-00106	30197	Th-230	1.16	0.005	0.066	2.2	0.00 - 0.50
5A-00106	30197	Bi-212	1.16	0.12	0.085	2.15	0.00 - 0.50
5A-00106	30197	Bi-212	1.16	0.12	0.085	2.15	0.00 - 0.50
5A-00106	30197	U-233/234	0.787	0.013	0.044	2.02	0.00 - 0.50
5A-00106	30197	U-233/234	0.787	0.013	0.044	2.02	0.00 - 0.50
5A-00106	30197	U-238	0.82	0.003	0.045	1.8	0.00 - 0.50
5A-00106	30197	U-238	0.82	0.003	0.045	1.8	0.00 - 0.50
5A-00106	30197	Pb-214	0.984	0.026	0.057	1.7	0.00 - 0.50
5A-00106	30197	Pb-214	0.984	0.026	0.057	1.7	0.00 - 0.50
5A-00106	30197	Bi-214	0.921	0.03	0.049	1.59	0.00 - 0.50
5A-00106	30197	Bi-214	0.921	0.03	0.049	1.59	0.00 - 0.50
5A-00106	30197	Tl-208	0.578	0.02	0.031	0.937	0.00 - 0.50
5A-00106	30197	Tl-208	0.578	0.02	0.031	0.937	0.00 - 0.50
5A-00106	30197	Pa-231	-0.12 U	0.67	0.2	0.936	0.00 - 0.50
5A-00106	30197	Pa-231	-0.12	0.67	0.2	0.936	0.00 - 0.50
5A-00106	30197	Sr-90	0.0004 U	0.046	0.013	0.485	0.00 - 0.50
5A-00106	30197	Sr-90	0.0004	0.046	0.013	0.485	0.00 - 0.50
5A-00106	30197	Sb-125	0.114 SK	0.048	0.011	0.354	0.00 - 0.50
5A-00106	30197	Sb-125	0.114	0.048	0.011	0.354	0.00 - 0.50
5A-00106	30197	Eu-155	0.117	0.053	0.024	0.231	0.00 - 0.50
5A-00106	30197	Eu-155	0.117 SK	0.053	0.024	0.231	0.00 - 0.50
5A-00106	30197	Ac-227	-0.051 U	0.15	0.045	0.217	0.00 - 0.50
5A-00106	30197	Ac-227	-0.051	0.15	0.045	0.217	0.00 - 0.50
5A-00106	30197	Cs-137	-0.0057 U	0.019	0.0057	0.207	0.00 - 0.50
5A-00106	30197	Cs-137	-0.0057	0.019	0.0057	0.207	0.00 - 0.50
5A-00106	30197	U-235/236	0.0383	0.0036	0.0073	0.151	0.00 - 0.50
5A-00106	30197	U-235/236	0.0383	0.0036	0.0073	0.151	0.00 - 0.50
5A-00106	30197	Eu-154	0.015 U	0.1	0.017	0.15	0.00 - 0.50
5A-00106	30197	Eu-154	0.015	0.1	0.017	0.15	0.00 - 0.50
5A-00106	30197	Th-229	0.0013 U	0.0094	0.0023	0.145	0.00 - 0.50
5A-00106	30197	Th-229	0.0013	0.0094	0.0023	0.145	0.00 - 0.50
5A-00106	30197	Np-239	-0.0001 U	0.1	0.031	0.139	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00106	30197	Np-239	-0.0001	0.1	0.031	0.139	0.00 - 0.50
5A-00106	30197	Cs-134	0.0026 U	0.065	0.0036	0.0864	0.00 - 0.50
5A-00106	30197	Cs-134	0.0026	0.065	0.0036	0.0864	0.00 - 0.50
5A-00106	30197	Te-125m	0.0263 SK	0.011	0.0025	0.0838	0.00 - 0.50
5A-00106	30197	Te-125m	0.0263	0.011	0.0025	0.0838	0.00 - 0.50
5A-00106	30197	Eu-152	0.015 U	0.044	0.014	0.0566	0.00 - 0.50
5A-00106	30197	Eu-152	0.015	0.044	0.014	0.0566	0.00 - 0.50
5A-00106	30197	Np-236	0.009	0.039	0.012	0.047	0.00 - 0.50
5A-00106	30197	Np-236	0.009 U	0.039	0.012	0.047	0.00 - 0.50
5A-00106	30197	Am-241	0.0021 U	0.0028	0.0015	0.0454	0.00 - 0.50
5A-00106	30197	Am-241	0.0021	0.0028	0.0015	0.0454	0.00 - 0.50
5A-00106	30197	Pu-236	-0.0002 U	0.0072	0.0013	0.0448	0.00 - 0.50
5A-00106	30197	Pu-236	-0.0002	0.0072	0.0013	0.0448	0.00 - 0.50
5A-00106	30197	Cm-243/244	0 U	0.0028	0.001	0.0443	0.00 - 0.50
5A-00106	30197	Cm-243/244	0	0.0028	0.001	0.0443	0.00 - 0.50
5A-00106	30197	Ho-166m	0.0233 SK	0.027	0.004	0.0432	0.00 - 0.50
5A-00106	30197	Ho-166m	0.0233	0.027	0.004	0.0432	0.00 - 0.50
5A-00106	30197	Pu-238	0.0012 U	0.005	0.0013	0.0415	0.00 - 0.50
5A-00106	30197	Pu-238	0.0012	0.005	0.0013	0.0415	0.00 - 0.50
5A-00106	30197	Pu-239/240	0.0003 U	0.0049	0.001	0.0404	0.00 - 0.50
5A-00106	30197	Pu-239/240	0.0003	0.0049	0.001	0.0404	0.00 - 0.50
5A-00106	30197	Cm-245/246	0 U	0.0091	0.002	0.0401	0.00 - 0.50
5A-00106	30197	Cm-245/246	0	0.0091	0.002	0.0401	0.00 - 0.50
5A-00106	30197	Na-22	0.007 U	0.025	0.0075	0.037	0.00 - 0.50
5A-00106	30197	Na-22	0.007	0.025	0.0075	0.037	0.00 - 0.50
5A-00106	30197	Pu-244	0 U	0.0022	0.0005	0.0313	0.00 - 0.50
5A-00106	30197	Pu-244	0	0.0022	0.0005	0.0313	0.00 - 0.50
5A-00106	30197	Cm-247/248	0.0019	0.0071	0.0019	0.0306	0.00 - 0.50
5A-00106	30197	Cm-247/248	0.0019 U	0.0071	0.0019	0.0306	0.00 - 0.50
5A-00106	30197	Co-60	0.0054 U	0.014	0.0032	0.028	0.00 - 0.50
5A-00106	30197	Co-60	0.0054	0.014	0.0032	0.028	0.00 - 0.50
5A-00106	30197	Sn-126	0.0046 U	0.017	0.0052	0.0237	0.00 - 0.50
5A-00106	30197	Sn-126	0.0046	0.017	0.0052	0.0237	0.00 - 0.50
5A-00106	30197	Nb-94	0.0056	0.015	0.0045	0.0214	0.00 - 0.50
5A-00106	30197	Nb-94	0.0056 U	0.015	0.0045	0.0214	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00107	30079	Cd-113m	1 U	33	10	3030	0.00 - 0.50
5A-00107	30079	Tm-171	-3.2 U J	4.4	1.4	72.4	0.00 - 0.50
5A-00107	30079	K-40	19.9	0.1	1	32.4	0.00 - 0.50
5A-00107	30079	Ni-59	0 U L	0.21	0.058	8.39	0.00 - 0.50
5A-00107	30079	Ni-63	0.26 U	0.67	0.2	4.92	0.00 - 0.50
5A-00107	30079	Th-228	1.16	0.014	0.058	3.98	0.00 - 0.50
5A-00107	30079	Th-234	0.611 R	0.13	0.053	3.19	0.00 - 0.50
5A-00107	30079	Th-232	1.14	0.002	0.057	3.1	0.00 - 0.50
5A-00107	30079	C-14	0.062	0.062	0.02	2.96	0.00 - 0.50
5A-00107	30079	Pb-212	1.47	0.019	0.096	2.69	0.00 - 0.50
5A-00107	30079	Th-230	0.828	0.009	0.044	2.2	0.00 - 0.50
5A-00107	30079	Bi-212	0.928	0.093	0.07	2.15	0.00 - 0.50
5A-00107	30079	U-233/234	0.726	0.002	0.04	2.02	0.00 - 0.50
5A-00107	30079	U-238	0.706	0.007	0.039	1.8	0.00 - 0.50
5A-00107	30079	Pb-214	0.774	0.022	0.042	1.7	0.00 - 0.50
5A-00107	30079	Tc-99	-0.118 U	0.32	0.096	1.63	0.00 - 0.50
5A-00107	30079	Bi-214	0.713	0.02	0.039	1.59	0.00 - 0.50
5A-00107	30079	Tl-208	0.443	0.015	0.025	0.937	0.00 - 0.50
5A-00107	30079	Pa-231	0.19 U	0.49	0.11	0.936	0.00 - 0.50
5A-00107	30079	Sr-90	0.0177 U	0.032	0.0099	0.485	0.00 - 0.50
5A-00107	30079	Sb-125	0.113 SK	0.024	0.0095	0.354	0.00 - 0.50
5A-00107	30079	Eu-155	0.076 SK	0.031	0.014	0.231	0.00 - 0.50
5A-00107	30079	Ac-227	0.074 J	0.082	0.019	0.217	0.00 - 0.50
5A-00107	30079	Cs-137	0.0974	0.0097	0.0071	0.207	0.00 - 0.50
5A-00107	30079	U-235/236	0.0455	0.011	0.0078	0.151	0.00 - 0.50
5A-00107	30079	Eu-154	0.027 J	0.047	0.016	0.15	0.00 - 0.50
5A-00107	30079	Th-229	0.0066	0.0022	0.0024	0.145	0.00 - 0.50
5A-00107	30079	Np-239	0.02 U	0.074	0.022	0.139	0.00 - 0.50
5A-00107	30079	Cs-134	0.007 U J	0.042	0.0019	0.0864	0.00 - 0.50
5A-00107	30079	Te-125m	0.0262 SK	0.0056	0.0022	0.0838	0.00 - 0.50
5A-00107	30079	Eu-152	0.0006 U	0.029	0.0088	0.0566	0.00 - 0.50
5A-00107	30079	Np-236	-0.0094 U	0.024	0.0074	0.047	0.00 - 0.50
5A-00107	30079	Am-241	0.0009 U	0.0084	0.002	0.0454	0.00 - 0.50
5A-00107	30079	Pu-236	0 U	0.0026	0.0006	0.0448	0.00 - 0.50
5A-00107	30079	Cm-243/244	0.0009 U	0.0068	0.0016	0.0443	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00107	30079	Ho-166m	0.0042 U	0.018	0.0038	0.0432	0.00 - 0.50
5A-00107	30079	Pu-238	0.0025	0.0022	0.0014	0.0415	0.00 - 0.50
5A-00107	30079	Pu-239/240	0.0049	0.0022	0.002	0.0404	0.00 - 0.50
5A-00107	30079	Cm-245/246	-0.0012 U	0.0088	0.0012	0.0401	0.00 - 0.50
5A-00107	30079	Na-22	0.0046 U J	0.019	0.0056	0.037	0.00 - 0.50
5A-00107	30079	Pu-244	0.0011 U	0.0048	0.0012	0.0313	0.00 - 0.50
5A-00107	30079	Cm-247/248	0.0012 U	0.0087	0.002	0.0306	0.00 - 0.50
5A-00107	30079	Co-60	0.002 U	0.015	0.0045	0.028	0.00 - 0.50
5A-00107	30079	Sn-126	0.0048 U	0.012	0.0036	0.0237	0.00 - 0.50
5A-00107	30079	Nb-94	0.0036 U	0.011	0.0032	0.0214	0.00 - 0.50
5A-00108	30080	Cd-113m	-10.2 U	31	9.3	3030	0.00 - 0.50
5A-00108	30080	Tm-171	-3.3 U	5.8	1.8	72.4	0.00 - 0.50
5A-00108	30080	K-40	21.1	0.2	1.1	32.4	0.00 - 0.50
5A-00108	30080	Ni-59	0 U L	0.19	0.052	8.39	0.00 - 0.50
5A-00108	30080	Ni-63	0.18 U	0.57	0.17	4.92	0.00 - 0.50
5A-00108	30080	Th-228	1.4	0.016	0.068	3.98	0.00 - 0.50
5A-00108	30080	Th-234	0.385 R	0.15	0.051	3.19	0.00 - 0.50
5A-00108	30080	Th-232	1.39	0.002	0.068	3.1	0.00 - 0.50
5A-00108	30080	C-14	0.0252	0.027	0.0084	2.96	0.00 - 0.50
5A-00108	30080	Pb-212	1.81	0.02	0.12	2.69	0.00 - 0.50
5A-00108	30080	Th-230	1.01	0.002	0.052	2.2	0.00 - 0.50
5A-00108	30080	Bi-212	1.07	0.1	0.069	2.15	0.00 - 0.50
5A-00108	30080	U-233/234	0.851	0.003	0.046	2.02	0.00 - 0.50
5A-00108	30080	U-238	0.829	0.009	0.045	1.8	0.00 - 0.50
5A-00108	30080	Pb-214	0.959	0.024	0.052	1.7	0.00 - 0.50
5A-00108	30080	Tc-99	-0.115 U	0.29	0.087	1.63	0.00 - 0.50
5A-00108	30080	Bi-214	0.835	0.022	0.046	1.59	0.00 - 0.50
5A-00108	30080	Tl-208	0.545	0.016	0.03	0.937	0.00 - 0.50
5A-00108	30080	Pa-231	-0.11 U	0.52	0.16	0.936	0.00 - 0.50
5A-00108	30080	Sr-90	0.016 U	0.038	0.011	0.485	0.00 - 0.50
5A-00108	30080	Sb-125	0.132 SK	0.034	0.011	0.354	0.00 - 0.50
5A-00108	30080	Eu-155	0.072 SK	0.034	0.015	0.231	0.00 - 0.50
5A-00108	30080	Ac-227	0.056 U J	0.12	0.015	0.217	0.00 - 0.50
5A-00108	30080	Cs-137	0.132	0.011	0.0093	0.207	0.00 - 0.50
5A-00108	30080	U-235/236	0.0469	0.0091	0.0081	0.151	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00108	30080	Eu-154	-0.016 U J	0.081	0.024	0.15	0.00 - 0.50
5A-00108	30080	Th-229	0.0018 U	0.0097	0.0025	0.145	0.00 - 0.50
5A-00108	30080	Np-239	-0.005 U	0.082	0.025	0.139	0.00 - 0.50
5A-00108	30080	Cs-134	0.0162 U J	0.04	0.0038	0.0864	0.00 - 0.50
5A-00108	30080	Te-125m	0.0305 SK	0.0079	0.0025	0.0838	0.00 - 0.50
5A-00108	30080	Eu-152	-0.002 U	0.033	0.01	0.0566	0.00 - 0.50
5A-00108	30080	Np-236	-0.0079 U	0.028	0.0086	0.047	0.00 - 0.50
5A-00108	30080	Am-241	0.0009 U	0.0096	0.0024	0.0454	0.00 - 0.50
5A-00108	30080	Pu-236	0 U	0.0028	0.0006	0.0448	0.00 - 0.50
5A-00108	30080	Cm-243/244	0.0018 U	0.0067	0.0018	0.0443	0.00 - 0.50
5A-00108	30080	Ho-166m	0.0125 SK	0.021	0.0083	0.0432	0.00 - 0.50
5A-00108	30080	Pu-238	0.0016 U	0.0063	0.0017	0.0415	0.00 - 0.50
5A-00108	30080	Pu-239/240	0.0035	0.0023	0.0017	0.0404	0.00 - 0.50
5A-00108	30080	Cm-245/246	-0.0025 U	0.012	0.0018	0.0401	0.00 - 0.50
5A-00108	30080	Na-22	0.0003 U	0.016	0.0049	0.037	0.00 - 0.50
5A-00108	30080	Pu-244	0.0026	0.0023	0.0015	0.0313	0.00 - 0.50
5A-00108	30080	Cm-247/248	0.0025 U	0.0091	0.0025	0.0306	0.00 - 0.50
5A-00108	30080	Co-60	0.0037 U	0.015	0.004	0.028	0.00 - 0.50
5A-00108	30080	Sn-126	-0.002 U	0.013	0.0039	0.0237	0.00 - 0.50
5A-00108	30080	Nb-94	0.0043 U	0.011	0.0026	0.0214	0.00 - 0.50
5A-00109	30081	Cd-113m	0.4 U	35	11	3030	0.00 - 0.50
5A-00109	30081	Cd-113m	0.4	35	11	3030	0.00 - 0.50
5A-00109	30081	Tm-171	-2.6	6.6	2	72.4	0.00 - 0.50
5A-00109	30081	Tm-171	-2.6 U	6.6	2	72.4	0.00 - 0.50
5A-00109	30081	K-40	20.4	0.2	1	32.4	0.00 - 0.50
5A-00109	30081	K-40	20.4	0.2	1	32.4	0.00 - 0.50
5A-00109	30081	Ni-59	0 U L	0.15	0.042	8.39	0.00 - 0.50
5A-00109	30081	Ni-59	0	0.15	0.042	8.39	0.00 - 0.50
5A-00109	30081	Ni-63	-0.09 U	0.53	0.16	4.92	0.00 - 0.50
5A-00109	30081	Ni-63	-0.09	0.53	0.16	4.92	0.00 - 0.50
5A-00109	30081	Th-228	1.3	0.014	0.064	3.98	0.00 - 0.50
5A-00109	30081	Th-228	1.3	0.014	0.064	3.98	0.00 - 0.50
5A-00109	30081	Th-234	0.448 R	0.16	0.055	3.19	0.00 - 0.50
5A-00109	30081	Th-234	0.448	0.16	0.055	3.19	0.00 - 0.50
5A-00109	30081	Th-232	1.34	0.002	0.065	3.1	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00109	30081	Th-232	1.34	0.002	0.065	3.1	0.00 - 0.50
5A-00109	30081	C-14	0.0073 U	0.029	0.0088	2.96	0.00 - 0.50
5A-00109	30081	C-14	0.0073	0.029	0.0088	2.96	0.00 - 0.50
5A-00109	30081	Pb-212	1.68	0.025	0.094	2.69	0.00 - 0.50
5A-00109	30081	Pb-212	1.68	0.025	0.094	2.69	0.00 - 0.50
5A-00109	30081	Th-230	0.947	0.01	0.049	2.2	0.00 - 0.50
5A-00109	30081	Th-230	0.947	0.01	0.049	2.2	0.00 - 0.50
5A-00109	30081	Bi-212	1.14	0.15	0.1	2.15	0.00 - 0.50
5A-00109	30081	Bi-212	1.14	0.15	0.1	2.15	0.00 - 0.50
5A-00109	30081	U-233/234	0.716	0.005	0.036	2.02	0.00 - 0.50
5A-00109	30081	U-233/234	0.716	0.005	0.036	2.02	0.00 - 0.50
5A-00109	30081	U-238	0.752	0.004	0.038	1.8	0.00 - 0.50
5A-00109	30081	U-238	0.752	0.004	0.038	1.8	0.00 - 0.50
5A-00109	30081	Pb-214	0.869	0.029	0.045	1.7	0.00 - 0.50
5A-00109	30081	Pb-214	0.869	0.029	0.045	1.7	0.00 - 0.50
5A-00109	30081	Tc-99	-0.12 U	0.34	0.1	1.63	0.00 - 0.50
5A-00109	30081	Tc-99	-0.12	0.34	0.1	1.63	0.00 - 0.50
5A-00109	30081	Bi-214	0.786	0.029	0.043	1.59	0.00 - 0.50
5A-00109	30081	Bi-214	0.786	0.029	0.043	1.59	0.00 - 0.50
5A-00109	30081	Tl-208	0.516	0.019	0.028	0.937	0.00 - 0.50
5A-00109	30081	Tl-208	0.516	0.019	0.028	0.937	0.00 - 0.50
5A-00109	30081	Pa-231	0.11 U	0.63	0.19	0.936	0.00 - 0.50
5A-00109	30081	Pa-231	0.11	0.63	0.19	0.936	0.00 - 0.50
5A-00109	30081	Sr-90	0.029 U	0.053	0.016	0.485	0.00 - 0.50
5A-00109	30081	Sr-90	0.029	0.053	0.016	0.485	0.00 - 0.50
5A-00109	30081	Sb-125	0.114 SK	0.045	0.01	0.354	0.00 - 0.50
5A-00109	30081	Sb-125	0.114	0.045	0.01	0.354	0.00 - 0.50
5A-00109	30081	Eu-155	0.086	0.034	0.014	0.231	0.00 - 0.50
5A-00109	30081	Eu-155	0.086 SK	0.034	0.014	0.231	0.00 - 0.50
5A-00109	30081	Ac-227	0.021 U	0.15	0.043	0.217	0.00 - 0.50
5A-00109	30081	Ac-227	0.021	0.15	0.043	0.217	0.00 - 0.50
5A-00109	30081	Cs-137	0.0604	0.014	0.0075	0.207	0.00 - 0.50
5A-00109	30081	Cs-137	0.0604	0.014	0.0075	0.207	0.00 - 0.50
5A-00109	30081	U-235/236	0.0408	0.0018	0.0055	0.151	0.00 - 0.50
5A-00109	30081	U-235/236	0.0408	0.0018	0.0055	0.151	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00109	30081	Eu-154	0.0008 U	0.11	0.0008	0.15	0.00 - 0.50
5A-00109	30081	Eu-154	0.0008	0.11	0.0008	0.15	0.00 - 0.50
5A-00109	30081	Th-229	0.0034	0.0063	0.0022	0.145	0.00 - 0.50
5A-00109	30081	Th-229	0.0034	0.0063	0.0022	0.145	0.00 - 0.50
5A-00109	30081	Np-239	-0.012 U	0.091	0.027	0.139	0.00 - 0.50
5A-00109	30081	Np-239	-0.012	0.091	0.027	0.139	0.00 - 0.50
5A-00109	30081	Cs-134	0.0139	0.05	0.0052	0.0864	0.00 - 0.50
5A-00109	30081	Cs-134	0.0139 U	0.05	0.0052	0.0864	0.00 - 0.50
5A-00109	30081	Te-125m	0.0264 SK	0.01	0.0024	0.0838	0.00 - 0.50
5A-00109	30081	Te-125m	0.0264	0.01	0.0024	0.0838	0.00 - 0.50
5A-00109	30081	Eu-152	0.005 U	0.036	0.012	0.0566	0.00 - 0.50
5A-00109	30081	Eu-152	0.005	0.036	0.012	0.0566	0.00 - 0.50
5A-00109	30081	Np-236	-0.0145	0.028	0.0085	0.047	0.00 - 0.50
5A-00109	30081	Np-236	-0.0145 U	0.028	0.0085	0.047	0.00 - 0.50
5A-00109	30081	Am-241	0.0057	0.0016	0.0018	0.0454	0.00 - 0.50
5A-00109	30081	Am-241	0.0057	0.0016	0.0018	0.0454	0.00 - 0.50
5A-00109	30081	Pu-236	-0.0015 U	0.0068	0.0009	0.0448	0.00 - 0.50
5A-00109	30081	Pu-236	-0.0015	0.0068	0.0009	0.0448	0.00 - 0.50
5A-00109	30081	Cm-243/244	0.0012	0.0042	0.0012	0.0443	0.00 - 0.50
5A-00109	30081	Cm-243/244	0.0012 U	0.0042	0.0012	0.0443	0.00 - 0.50
5A-00109	30081	Ho-166m	0.0134 SK	0.027	0.0041	0.0432	0.00 - 0.50
5A-00109	30081	Ho-166m	0.0134	0.027	0.0041	0.0432	0.00 - 0.50
5A-00109	30081	Pu-238	0.002	0.0051	0.0015	0.0415	0.00 - 0.50
5A-00109	30081	Pu-238	0.002	0.0051	0.0015	0.0415	0.00 - 0.50
5A-00109	30081	Pu-239/240	0.0015 U	0.0057	0.0016	0.0404	0.00 - 0.50
5A-00109	30081	Pu-239/240	0.0015	0.0057	0.0016	0.0404	0.00 - 0.50
5A-00109	30081	Cm-245/246	0 U	0.0076	0.0015	0.0401	0.00 - 0.50
5A-00109	30081	Cm-245/246	0	0.0076	0.0015	0.0401	0.00 - 0.50
5A-00109	30081	Na-22	-0.0064 U	0.027	0.0081	0.037	0.00 - 0.50
5A-00109	30081	Na-22	-0.0064	0.027	0.0081	0.037	0.00 - 0.50
5A-00109	30081	Pu-244	0.0014	0.0019	0.001	0.0313	0.00 - 0.50
5A-00109	30081	Pu-244	0.0014	0.0019	0.001	0.0313	0.00 - 0.50
5A-00109	30081	Cm-247/248	0 U	0.0027	0.001	0.0306	0.00 - 0.50
5A-00109	30081	Cm-247/248	0	0.0027	0.001	0.0306	0.00 - 0.50
5A-00109	30081	Co-60	-0.0002 U	0.02	0.0059	0.028	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00109	30081	Co-60	-0.0002	0.02	0.0059	0.028	0.00 - 0.50
5A-00109	30081	Sn-126	-0.0008 U	0.017	0.0052	0.0237	0.00 - 0.50
5A-00109	30081	Sn-126	-0.0008	0.017	0.0052	0.0237	0.00 - 0.50
5A-00109	30081	Nb-94	0.0043	0.015	0.0046	0.0214	0.00 - 0.50
5A-00109	30081	Nb-94	0.0043 U	0.015	0.0046	0.0214	0.00 - 0.50
5A-00110	30082	Cd-113m	-2 U	38	11	3030	0.00 - 0.50
5A-00110	30082	Tm-171	0.4 U	4.5	1.3	72.4	0.00 - 0.50
5A-00110	30082	K-40	20	0.13	0.98	32.4	0.00 - 0.50
5A-00110	30082	Ni-59	0 U L	0.18	0.046	8.39	0.00 - 0.50
5A-00110	30082	Ni-63	0.27	0.43	0.13	4.92	0.00 - 0.50
5A-00110	30082	Th-228	1.58	0.025	0.083	3.98	0.00 - 0.50
5A-00110	30082	Th-234	0.531 R	0.14	0.053	3.19	0.00 - 0.50
5A-00110	30082	Th-232	1.06	0.003	0.057	3.1	0.00 - 0.50
5A-00110	30082	C-14	0.041	0.045	0.014	2.96	0.00 - 0.50
5A-00110	30082	Pb-212	1.47	0.023	0.082	2.69	0.00 - 0.50
5A-00110	30082	Th-230	0.72	0.011	0.042	2.2	0.00 - 0.50
5A-00110	30082	Bi-212	0.902	0.13	0.079	2.15	0.00 - 0.50
5A-00110	30082	U-233/234	0.828	0.012	0.047	2.02	0.00 - 0.50
5A-00110	30082	U-238	0.736	0.012	0.043	1.8	0.00 - 0.50
5A-00110	30082	Pb-214	0.812	0.022	0.042	1.7	0.00 - 0.50
5A-00110	30082	Tc-99	-0.06 U	0.3	0.09	1.63	0.00 - 0.50
5A-00110	30082	Bi-214	0.736	0.022	0.039	1.59	0.00 - 0.50
5A-00110	30082	Tl-208	0.447	0.016	0.024	0.937	0.00 - 0.50
5A-00110	30082	Pa-231	0.17 U	0.5	0.13	0.936	0.00 - 0.50
5A-00110	30082	Sr-90	0.023 U	0.062	0.018	0.485	0.00 - 0.50
5A-00110	30082	Sb-125	0.129 SK	0.043	0.012	0.354	0.00 - 0.50
5A-00110	30082	Eu-155	0.059 SK	0.032	0.013	0.231	0.00 - 0.50
5A-00110	30082	Ac-227	0.025 U	0.13	0.028	0.217	0.00 - 0.50
5A-00110	30082	Cs-137	0.154	0.017	0.011	0.207	0.00 - 0.50
5A-00110	30082	U-235/236	0.0462	0.0039	0.0084	0.151	0.00 - 0.50
5A-00110	30082	Eu-154	-0.036 U	0.099	0.03	0.15	0.00 - 0.50
5A-00110	30082	Th-229	0.0054	0.0067	0.0026	0.145	0.00 - 0.50
5A-00110	30082	Np-239	0.02 U	0.076	0.023	0.139	0.00 - 0.50
5A-00110	30082	Cs-134	0.0032 U J	0.012	0.0045	0.0864	0.00 - 0.50
5A-00110	30082	Te-125m	0.0297 SK	0.0098	0.0028	0.0838	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00110	30082	Eu-152	0.002 U	0.036	0.011	0.0566	0.00 - 0.50
5A-00110	30082	Np-236	-0.0046 U	0.027	0.0082	0.047	0.00 - 0.50
5A-00110	30082	Am-241	0.0066	0.007	0.0029	0.0454	0.00 - 0.50
5A-00110	30082	Cm-243/244	0.001 U	0.007	0.0017	0.0443	0.00 - 0.50
5A-00110	30082	Ho-166m	0.0123 SK	0.024	0.0073	0.0432	0.00 - 0.50
5A-00110	30082	Pu-238	0.0022 U	0.0078	0.0022	0.0415	0.00 - 0.50
5A-00110	30082	Pu-239/240	0.0054	0.005	0.0023	0.0404	0.00 - 0.50
5A-00110	30082	Cm-245/246	0.0017 U	0.0024	0.0012	0.0401	0.00 - 0.50
5A-00110	30082	Na-22	-0.0104 U	0.025	0.0077	0.037	0.00 - 0.50
5A-00110	30082	Pu-244	0.0017	0.0023	0.0012	0.0313	0.00 - 0.50
5A-00110	30082	Cm-247/248	0.0017 U	0.0063	0.0017	0.0306	0.00 - 0.50
5A-00110	30082	Co-60	0.0067 U	0.018	0.0055	0.028	0.00 - 0.50
5A-00110	30082	Sn-126	0.0004 U	0.015	0.0046	0.0237	0.00 - 0.50
5A-00110	30082	Nb-94	0.0054 U	0.013	0.0026	0.0214	0.00 - 0.50
5A-00111	30083	Cd-113m	2.8 U	33	9.9	3030	0.00 - 0.50
5A-00111	30083	Tm-171	-2.4 U	5.4	1.6	72.4	0.00 - 0.50
5A-00111	30083	K-40	22	0.1	1.1	32.4	0.00 - 0.50
5A-00111	30083	Ni-59	0 U	0.14	0.036	8.39	0.00 - 0.50
5A-00111	30083	Ni-63	0.05 U	0.61	0.18	4.92	0.00 - 0.50
5A-00111	30083	Th-228	1.17	0.021	0.06	3.98	0.00 - 0.50
5A-00111	30083	Th-234	1.37 R	0.12	0.094	3.19	0.00 - 0.50
5A-00111	30083	Th-232	1.14	0.011	0.058	3.1	0.00 - 0.50
5A-00111	30083	C-14	0.019 U	0.049	0.015	2.96	0.00 - 0.50
5A-00111	30083	Pb-212	1.55	0.02	0.1	2.69	0.00 - 0.50
5A-00111	30083	Th-230	0.861	0.003	0.046	2.2	0.00 - 0.50
5A-00111	30083	Bi-212	1.04	0.1	0.077	2.15	0.00 - 0.50
5A-00111	30083	U-233/234	0.819	0.013	0.047	2.02	0.00 - 0.50
5A-00111	30083	U-238	0.803	0.003	0.046	1.8	0.00 - 0.50
5A-00111	30083	Pb-214	0.945	0.021	0.051	1.7	0.00 - 0.50
5A-00111	30083	Tc-99	-0.066 U	0.27	0.082	1.63	0.00 - 0.50
5A-00111	30083	Bi-214	0.795	0.019	0.043	1.59	0.00 - 0.50
5A-00111	30083	Tl-208	0.462	0.014	0.025	0.937	0.00 - 0.50
5A-00111	30083	Pa-231	-0.006 U	0.45	0.14	0.936	0.00 - 0.50
5A-00111	30083	Sr-90	0.021	0.035	0.011	0.485	0.00 - 0.50
5A-00111	30083	Sb-125	0.139 SK	0.035	0.012	0.354	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00111	30083	Eu-155	0.064 SK	0.031	0.013	0.231	0.00 - 0.50
5A-00111	30083	Ac-227	0.282 RZ	0.097	0.019	0.217	0.00 - 0.50
5A-00111	30083	Cs-137	0.07	0.011	0.007	0.207	0.00 - 0.50
5A-00111	30083	U-235/236	0.0544	0.0041	0.0093	0.151	0.00 - 0.50
5A-00111	30083	Eu-154	-0.021 U	0.075	0.023	0.15	0.00 - 0.50
5A-00111	30083	Th-229	0.0072	0.0096	0.0034	0.145	0.00 - 0.50
5A-00111	30083	Np-239	0.011 U	0.072	0.022	0.139	0.00 - 0.50
5A-00111	30083	Cs-134	-0.001 U	0.041	0.012	0.0864	0.00 - 0.50
5A-00111	30083	Te-125m	0.0322 SK	0.008	0.0027	0.0838	0.00 - 0.50
5A-00111	30083	Eu-152	0.0128 U	0.031	0.006	0.0566	0.00 - 0.50
5A-00111	30083	Np-236	0.0011 U	0.018	0.0055	0.047	0.00 - 0.50
5A-00111	30083	Am-241	0.0019 U	0.0086	0.0023	0.0454	0.00 - 0.50
5A-00111	30083	Cm-243/244	0.0028	0.0025	0.0016	0.0443	0.00 - 0.50
5A-00111	30083	Ho-166m	0.0023 U	0.019	0.0025	0.0432	0.00 - 0.50
5A-00111	30083	Pu-238	0.0008 U	0.0055	0.0014	0.0415	0.00 - 0.50
5A-00111	30083	Pu-239/240	0.0009 U	0.0039	0.001	0.0404	0.00 - 0.50
5A-00111	30083	Cm-245/246	0.0036	0.0033	0.0021	0.0401	0.00 - 0.50
5A-00111	30083	Na-22	-0.0047 U	0.02	0.0059	0.037	0.00 - 0.50
5A-00111	30083	Pu-244	0.0046	0.0018	0.0018	0.0313	0.00 - 0.50
5A-00111	30083	Cm-247/248	-0.0012 U	0.0088	0.0012	0.0306	0.00 - 0.50
5A-00111	30083	Co-60	-0.0015 U	0.016	0.0046	0.028	0.00 - 0.50
5A-00111	30083	Sn-126	-0.0007 U	0.012	0.0037	0.0237	0.00 - 0.50
5A-00111	30083	Nb-94	0.0046 U	0.011	0.0022	0.0214	0.00 - 0.50
5A-00112	30041	Cd-113m	-2 U	41	12	3030	10.00 - 15.00
5A-00112	30041	Tm-171	-0.4 U	6.4	1.9	72.4	10.00 - 15.00
5A-00112	30041	K-40	21.3	0.1	1	32.4	10.00 - 15.00
5A-00112	30041	H-3	0.037 U	0.2	0.059	11.9	10.00 - 15.00
5A-00112	30041	Ni-59	0.05 U	0.45	0.13	8.39	10.00 - 15.00
5A-00112	30041	Ni-63	0.006 U	0.66	0.19	4.92	10.00 - 15.00
5A-00112	30041	Th-228	1.72	0.019	0.085	3.98	10.00 - 15.00
5A-00112	30041	Th-234	0.424 R	0.15	0.053	3.19	10.00 - 15.00
5A-00112	30041	Th-232	1.28	0.002	0.063	3.1	10.00 - 15.00
5A-00112	30041	C-14	0.0124 U	0.032	0.0096	2.96	10.00 - 15.00
5A-00112	30041	Pb-212	1.68	0.024	0.094	2.69	10.00 - 15.00
5A-00112	30041	Th-230	0.889	0.006	0.047	2.2	10.00 - 15.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00112	30041	Bi-212	1.01	0.15	0.096	2.15	10.00 - 15.00
5A-00112	30041	U-233/234	0.779	0.01	0.044	2.02	10.00 - 15.00
5A-00112	30041	U-238	0.705	0.008	0.04	1.8	10.00 - 15.00
5A-00112	30041	Pb-214	0.903	0.024	0.046	1.7	10.00 - 15.00
5A-00112	30041	Tc-99	-0.043 U	0.31	0.094	1.63	10.00 - 15.00
5A-00112	30041	Bi-214	0.837	0.025	0.044	1.59	10.00 - 15.00
5A-00112	30041	Tl-208	0.511	0.018	0.028	0.937	10.00 - 15.00
5A-00112	30041	Pa-231	0.12 U	0.58	0.18	0.936	10.00 - 15.00
5A-00112	30041	Sr-90	0.017 U	0.037	0.011	0.485	10.00 - 15.00
5A-00112	30041	Sb-125	0.106 SK	0.037	0.0096	0.354	10.00 - 15.00
5A-00112	30041	Eu-155	0.067 SK	0.032	0.013	0.231	10.00 - 15.00
5A-00112	30041	Ac-227	0.031 U	0.12	0.032	0.217	10.00 - 15.00
5A-00112	30041	Cs-137	0.0002 U	0.018	0.0053	0.207	10.00 - 15.00
5A-00112	30041	U-235/236	0.04	0.0036	0.0075	0.151	10.00 - 15.00
5A-00112	30041	Eu-154	-0.0009 U	0.092	0.027	0.15	10.00 - 15.00
5A-00112	30041	Th-229	0.007	0.015	0.0046	0.145	10.00 - 15.00
5A-00112	30041	Np-239	0.006 U	0.085	0.025	0.139	10.00 - 15.00
5A-00112	30041	Cs-134	0.013 U	0.053	0.0048	0.0864	10.00 - 15.00
5A-00112	30041	Te-125m	0.0245 SK	0.0085	0.0022	0.0838	10.00 - 15.00
5A-00112	30041	Eu-152	0.014 U	0.037	0.011	0.0566	10.00 - 15.00
5A-00112	30041	Np-236	0.0017 U	0.031	0.0093	0.047	10.00 - 15.00
5A-00112	30041	Am-241	0.0014 U	0.0018	0.001	0.0454	10.00 - 15.00
5A-00112	30041	Cm-243/244	0.0007 U	0.0064	0.0015	0.0443	10.00 - 15.00
5A-00112	30041	Ho-166m	0.0035 U J	0.025	0.005	0.0432	10.00 - 15.00
5A-00112	30041	Pu-238	0.0053	0.0039	0.0018	0.0415	10.00 - 15.00
5A-00112	30041	Pu-239/240	0 U	0.0014	0.0005	0.0404	10.00 - 15.00
5A-00112	30041	Cm-245/246	0.0013 U	0.012	0.0026	0.0401	10.00 - 15.00
5A-00112	30041	Na-22	-0.0113 U	0.027	0.0081	0.037	10.00 - 15.00
5A-00112	30041	Pu-244	0 U	0.0014	0.0005	0.0313	10.00 - 15.00
5A-00112	30041	Cm-247/248	0.0047	0.0043	0.0027	0.0306	10.00 - 15.00
5A-00112	30041	Co-60	0.0025 U	0.019	0.0044	0.028	10.00 - 15.00
5A-00112	30041	Sn-126	0.0051 U	0.016	0.0048	0.0237	10.00 - 15.00
5A-00112	30041	Nb-94	0.0036 U	0.014	0.0043	0.0214	10.00 - 15.00
5A-00113	30042	Cd-113m	-0.5 U	43	13	3030	10.00 - 15.00
5A-00113	30042	Tm-171	-15.5 U J	9.6	3.1	72.4	10.00 - 15.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00113	30042	K-40	20.4	0.1	1	32.4	10.00 - 15.00
5A-00113	30042	H-3	-0.027 U	0.2	0.058	11.9	10.00 - 15.00
5A-00113	30042	Ni-59	-0.08 U	0.45	0.12	8.39	10.00 - 15.00
5A-00113	30042	Ni-63	0.04 U	0.67	0.2	4.92	10.00 - 15.00
5A-00113	30042	Th-228	1.69	0.017	0.082	3.98	10.00 - 15.00
5A-00113	30042	Th-234	1.35 R	0.2	0.094	3.19	10.00 - 15.00
5A-00113	30042	Th-232	1.26	0.002	0.061	3.1	10.00 - 15.00
5A-00113	30042	C-14	0.0036 U	0.023	0.007	2.96	10.00 - 15.00
5A-00113	30042	Pb-212	1.62	0.025	0.08	2.69	10.00 - 15.00
5A-00113	30042	Th-230	0.792	0.006	0.041	2.2	10.00 - 15.00
5A-00113	30042	Bi-212	1.04	0.12	0.081	2.15	10.00 - 15.00
5A-00113	30042	U-233/234	0.676	0.007	0.038	2.02	10.00 - 15.00
5A-00113	30042	U-238	0.732	0.002	0.04	1.8	10.00 - 15.00
5A-00113	30042	Pb-214	0.837	0.023	0.049	1.7	10.00 - 15.00
5A-00113	30042	Tc-99	-0.055 U	0.31	0.094	1.63	10.00 - 15.00
5A-00113	30042	Bi-214	0.78	0.025	0.042	1.59	10.00 - 15.00
5A-00113	30042	Tl-208	0.531	0.018	0.029	0.937	10.00 - 15.00
5A-00113	30042	Pa-231	0.05 U	0.62	0.19	0.936	10.00 - 15.00
5A-00113	30042	Sr-90	0.05	0.032	0.012	0.485	10.00 - 15.00
5A-00113	30042	Sb-125	0.117 SK	0.044	0.01	0.354	10.00 - 15.00
5A-00113	30042	Eu-155	0.082 SK	0.045	0.019	0.231	10.00 - 15.00
5A-00113	30042	Ac-227	0.066	0.11	0.022	0.217	10.00 - 15.00
5A-00113	30042	Cs-137	-0.0055 U	0.016	0.0048	0.207	10.00 - 15.00
5A-00113	30042	U-235/236	0.0319	0.0084	0.0064	0.151	10.00 - 15.00
5A-00113	30042	Eu-154	-0.036 U	0.1	0.031	0.15	10.00 - 15.00
5A-00113	30042	Th-229	0.003	0.0077	0.0023	0.145	10.00 - 15.00
5A-00113	30042	Np-239	-0.022 U	0.093	0.028	0.139	10.00 - 15.00
5A-00113	30042	Cs-134	0.0064 U	0.059	0.0021	0.0864	10.00 - 15.00
5A-00113	30042	Te-125m	0.027 SK	0.01	0.0024	0.0838	10.00 - 15.00
5A-00113	30042	Eu-152	0.0004 U	0.04	0.012	0.0566	10.00 - 15.00
5A-00113	30042	Np-236	0.0144 U	0.03	0.0091	0.047	10.00 - 15.00
5A-00113	30042	Am-241	0.0023	0.0021	0.0013	0.0454	10.00 - 15.00
5A-00113	30042	Cm-243/244	0.0015 U	0.0021	0.0011	0.0443	10.00 - 15.00
5A-00113	30042	Ho-166m	0.0027 U J	0.024	0.0038	0.0432	10.00 - 15.00
5A-00113	30042	Pu-238	0.0057	0.0073	0.0025	0.0415	10.00 - 15.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00113	30042	Pu-239/240	0.0031	0.0038	0.0015	0.0404	10.00 - 15.00
5A-00113	30042	Cm-245/246	0.0023 U	0.0095	0.0025	0.0401	10.00 - 15.00
5A-00113	30042	Na-22	0.0022 U	0.023	0.007	0.037	10.00 - 15.00
5A-00113	30042	Pu-244	0 U	0.0014	0.0005	0.0313	10.00 - 15.00
5A-00113	30042	Cm-247/248	0 U	0.0043	0.001	0.0306	10.00 - 15.00
5A-00113	30042	Co-60	-0.0052 U	0.018	0.0055	0.028	10.00 - 15.00
5A-00113	30042	Sn-126	-0.003 U	0.016	0.03	0.0237	10.00 - 15.00
5A-00113	30042	Nb-94	0.003 U	0.013	0.0032	0.0214	10.00 - 15.00
5A-00114	30043	Cd-113m	2 U	39	12	3030	5.00 - 10.00
5A-00114	30043	Tm-171	0.03 U	6	1.8	72.4	5.00 - 10.00
5A-00114	30043	K-40	15	0.15	0.74	32.4	5.00 - 10.00
5A-00114	30043	H-3	0.068 U	0.25	0.076	11.9	5.00 - 10.00
5A-00114	30043	Ni-59	0 U J	0.4	0.14	8.39	5.00 - 10.00
5A-00114	30043	Ni-63	0.57 U J	1.3	0.4	4.92	5.00 - 10.00
5A-00114	30043	Th-228	1.82	0.031	0.093	3.98	5.00 - 10.00
5A-00114	30043	Th-234	0.566 R	0.15	0.055	3.19	5.00 - 10.00
5A-00114	30043	Th-232	1.28	0.003	0.066	3.1	5.00 - 10.00
5A-00114	30043	C-14	0.0028 U	0.027	0.0081	2.96	5.00 - 10.00
5A-00114	30043	Pb-212	1.62	0.025	0.092	2.69	5.00 - 10.00
5A-00114	30043	Th-230	0.9	0.008	0.05	2.2	5.00 - 10.00
5A-00114	30043	Bi-212	1.17	0.12	0.085	2.15	5.00 - 10.00
5A-00114	30043	U-233/234	0.508	0.003	0.025	2.02	5.00 - 10.00
5A-00114	30043	U-238	0.551	0.003	0.027	1.8	5.00 - 10.00
5A-00114	30043	Pb-214	0.843	0.026	0.043	1.7	5.00 - 10.00
5A-00114	30043	Tc-99	-0.069 U	0.29	0.089	1.63	5.00 - 10.00
5A-00114	30043	Bi-214	0.75	0.025	0.04	1.59	5.00 - 10.00
5A-00114	30043	Tl-208	0.492	0.017	0.026	0.937	5.00 - 10.00
5A-00114	30043	Pa-231	-0.14 U	0.58	0.17	0.936	5.00 - 10.00
5A-00114	30043	Sr-90	0.012 U	0.038	0.011	0.485	5.00 - 10.00
5A-00114	30043	Sb-125	0.146 SK	0.042	0.013	0.354	5.00 - 10.00
5A-00114	30043	Eu-155	0.081 SK	0.032	0.013	0.231	5.00 - 10.00
5A-00114	30043	Ac-227	0.037 U	0.14	0.064	0.217	5.00 - 10.00
5A-00114	30043	Cs-137	0.0057 U	0.018	0.0069	0.207	5.00 - 10.00
5A-00114	30043	U-235/236	0.0266	0.0012	0.0036	0.151	5.00 - 10.00
5A-00114	30043	Eu-154	-0.048 U	0.098	0.03	0.15	5.00 - 10.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00114	30043	Th-229	0.0104	0.0096	0.0039	0.145	5.00 - 10.00
5A-00114	30043	Np-239	0.022 U	0.079	0.024	0.139	5.00 - 10.00
5A-00114	30043	Cs-134	-0.0152 U J	0.018	0.0056	0.0864	5.00 - 10.00
5A-00114	30043	Te-125m	0.0337 SK	0.0097	0.0029	0.0838	5.00 - 10.00
5A-00114	30043	Eu-152	-0.008 U	0.037	0.011	0.0566	5.00 - 10.00
5A-00114	30043	Np-236	-0.0057 U	0.027	0.0083	0.047	5.00 - 10.00
5A-00114	30043	Am-241	0.0036 U	0.011	0.0031	0.0454	5.00 - 10.00
5A-00114	30043	Cm-243/244	0.0027	0.0067	0.002	0.0443	5.00 - 10.00
5A-00114	30043	Ho-166m	0.0072 U	0.024	0.0081	0.0432	5.00 - 10.00
5A-00114	30043	Pu-238	-0.0007 U	0.0076	0.0013	0.0415	5.00 - 10.00
5A-00114	30043	Pu-239/240	0.0022	0.0054	0.0017	0.0404	5.00 - 10.00
5A-00114	30043	Cm-245/246	0.0024	0.0021	0.0014	0.0401	5.00 - 10.00
5A-00114	30043	Na-22	-0.0031 U	0.024	0.0071	0.037	5.00 - 10.00
5A-00114	30043	Pu-244	0.0009 U	0.0025	0.0009	0.0313	5.00 - 10.00
5A-00114	30043	Cm-247/248	-0.0002 U	0.0056	0.001	0.0306	5.00 - 10.00
5A-00114	30043	Co-60	0.0025 U	0.018	0.0036	0.028	5.00 - 10.00
5A-00114	30043	Sn-126	0.0036 U	0.016	0.0048	0.0237	5.00 - 10.00
5A-00114	30043	Nb-94	0.0063 U	0.015	0.0044	0.0214	5.00 - 10.00
5A-00115	30044	Cd-113m	1.2 U	27	8.1	3030	10.00 - 15.00
5A-00115	30044	Tm-171	-2.1 U	5.5	1.7	72.4	10.00 - 15.00
5A-00115	30044	K-40	22.1	0.1	1.1	32.4	10.00 - 15.00
5A-00115	30044	H-3	-0.005 U	0.23	0.068	11.9	10.00 - 15.00
5A-00115	30044	Ni-59	0 U L	0.21	0.053	8.39	10.00 - 15.00
5A-00115	30044	Ni-63	0.16 U	0.52	0.16	4.92	10.00 - 15.00
5A-00115	30044	Th-228	1.69	0.023	0.084	3.98	10.00 - 15.00
5A-00115	30044	Th-234	1.34 R	0.13	0.095	3.19	10.00 - 15.00
5A-00115	30044	Th-232	1.2	0.006	0.06	3.1	10.00 - 15.00
5A-00115	30044	C-14	0.006 U	0.039	0.012	2.96	10.00 - 15.00
5A-00115	30044	Pb-212	1.66	0.02	0.11	2.69	10.00 - 15.00
5A-00115	30044	Th-230	0.83	0.008	0.044	2.2	10.00 - 15.00
5A-00115	30044	Bi-212	1.05	0.12	0.085	2.15	10.00 - 15.00
5A-00115	30044	U-233/234	0.72	0.003	0.043	2.02	10.00 - 15.00
5A-00115	30044	U-238	0.761	0.003	0.045	1.8	10.00 - 15.00
5A-00115	30044	Pb-214	0.824	0.022	0.045	1.7	10.00 - 15.00
5A-00115	30044	Tc-99	-0.082 U	0.32	0.095	1.63	10.00 - 15.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00115	30044	Bi-214	0.736	0.022	0.04	1.59	10.00 - 15.00
5A-00115	30044	Tl-208	0.476	0.015	0.026	0.937	10.00 - 15.00
5A-00115	30044	Pa-231	0.03 U	0.5	0.15	0.936	10.00 - 15.00
5A-00115	30044	Sr-90	-0.0035 U	0.031	0.0088	0.485	10.00 - 15.00
5A-00115	30044	Sb-125	0.114 SK	0.035	0.0094	0.354	10.00 - 15.00
5A-00115	30044	Eu-155	0.077 SK	0.028	0.012	0.231	10.00 - 15.00
5A-00115	30044	Ac-227	0.026 U	0.12	0.018	0.217	10.00 - 15.00
5A-00115	30044	Cs-137	0.0085	0.0076	0.003	0.207	10.00 - 15.00
5A-00115	30044	U-235/236	0.0416	0.0043	0.0084	0.151	10.00 - 15.00
5A-00115	30044	Eu-154	0.048 K R	0.067	0.021	0.15	10.00 - 15.00
5A-00115	30044	Th-229	0.0156	0.009	0.0047	0.145	10.00 - 15.00
5A-00115	30044	Np-239	0.05 K R	0.061	0.019	0.139	10.00 - 15.00
5A-00115	30044	Cs-134	0.0006 U J	0.044	0.013	0.0864	10.00 - 15.00
5A-00115	30044	Te-125m	0.0264 SK	0.0081	0.0022	0.0838	10.00 - 15.00
5A-00115	30044	Eu-152	-0.0015 U	0.03	0.0013	0.0566	10.00 - 15.00
5A-00115	30044	Np-236	-0.0045 U	0.025	0.0075	0.047	10.00 - 15.00
5A-00115	30044	Am-241	0.0052	0.0063	0.0025	0.0454	10.00 - 15.00
5A-00115	30044	Cm-243/244	0.0017 U	0.0064	0.0017	0.0443	10.00 - 15.00
5A-00115	30044	Ho-166m	0.0102 SK	0.019	0.009	0.0432	10.00 - 15.00
5A-00115	30044	Pu-238	0.0004 U	0.0055	0.0011	0.0415	10.00 - 15.00
5A-00115	30044	Pu-239/240	0.0009 U	0.0025	0.0009	0.0404	10.00 - 15.00
5A-00115	30044	Cm-245/246	0.0022 U	0.0067	0.0019	0.0401	10.00 - 15.00
5A-00115	30044	Na-22	-0.0001 U	0.019	0.0058	0.037	10.00 - 15.00
5A-00115	30044	Pu-244	0.0027	0.0025	0.0016	0.0313	10.00 - 15.00
5A-00115	30044	Cm-247/248	0.0014 U	0.0019	0.001	0.0306	10.00 - 15.00
5A-00115	30044	Co-60	0.0026 U	0.016	0.0048	0.028	10.00 - 15.00
5A-00115	30044	Sn-126	0.0031 U	0.013	0.0038	0.0237	10.00 - 15.00
5A-00115	30044	Nb-94	0.0057 SK	0.011	0.0034	0.0214	10.00 - 15.00
5A-00116	30045	Cd-113m	3 U	34	10	3030	10.00 - 15.00
5A-00116	30045	Tm-171	-1.6 U	5.3	1.6	72.4	10.00 - 15.00
5A-00116	30045	K-40	21.2	0.2	1.1	32.4	10.00 - 15.00
5A-00116	30045	H-3	0.017 U	0.24	0.071	11.9	10.00 - 15.00
5A-00116	30045	Ni-59	0 U L	0.21	0.052	8.39	10.00 - 15.00
5A-00116	30045	Ni-63	0.12 U	0.49	0.15	4.92	10.00 - 15.00
5A-00116	30045	Th-228	1.74	0.024	0.087	3.98	10.00 - 15.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00116	30045	Th-234	0.347 R	0.14	0.046	3.19	10.00 - 15.00
5A-00116	30045	Th-232	1.31	0.007	0.065	3.1	10.00 - 15.00
5A-00116	30045	C-14	-0.009 U	0.036	0.011	2.96	10.00 - 15.00
5A-00116	30045	Pb-212	1.6	0.02	0.1	2.69	10.00 - 15.00
5A-00116	30045	Th-230	0.829	0.003	0.045	2.2	10.00 - 15.00
5A-00116	30045	Bi-212	1.03	0.12	0.088	2.15	10.00 - 15.00
5A-00116	30045	U-233/234	0.687	0.007	0.039	2.02	10.00 - 15.00
5A-00116	30045	U-238	0.665	0.011	0.038	1.8	10.00 - 15.00
5A-00116	30045	Pb-214	0.828	0.022	0.045	1.7	10.00 - 15.00
5A-00116	30045	Tc-99	-0.082 U	0.3	0.091	1.63	10.00 - 15.00
5A-00116	30045	Bi-214	0.758	0.022	0.042	1.59	10.00 - 15.00
5A-00116	30045	Tl-208	0.484	0.012	0.026	0.937	10.00 - 15.00
5A-00116	30045	Pa-231	-0.07 U	0.44	0.13	0.936	10.00 - 15.00
5A-00116	30045	Sr-90	0.024	0.04	0.012	0.485	10.00 - 15.00
5A-00116	30045	Sb-125	0.151 SK	0.033	0.012	0.354	10.00 - 15.00
5A-00116	30045	Eu-155	0.068 SK	0.028	0.012	0.231	10.00 - 15.00
5A-00116	30045	Ac-227	0.082	0.092	0.018	0.217	10.00 - 15.00
5A-00116	30045	Cs-137	0.0022 U	0.012	0.0037	0.207	10.00 - 15.00
5A-00116	30045	U-235/236	0.0252	0.0093	0.006	0.151	10.00 - 15.00
5A-00116	30045	Eu-154	0.0013 U	0.082	0.0007	0.15	10.00 - 15.00
5A-00116	30045	Th-229	-0.0001 U	0.013	0.0029	0.145	10.00 - 15.00
5A-00116	30045	Np-239	0.006 U	0.074	0.022	0.139	10.00 - 15.00
5A-00116	30045	Cs-134	0.0195 JSK	0.036	0.0042	0.0864	10.00 - 15.00
5A-00116	30045	Te-125m	0.0348 SK	0.0076	0.0027	0.0838	10.00 - 15.00
5A-00116	30045	Eu-152	-0.0111 U	0.029	0.0088	0.0566	10.00 - 15.00
5A-00116	30045	Np-236	-0.0059 U	0.026	0.008	0.047	10.00 - 15.00
5A-00116	30045	Am-241	-0.0008 U	0.0075	0.0014	0.0454	10.00 - 15.00
5A-00116	30045	Cm-243/244	0.0016 U	0.0076	0.002	0.0443	10.00 - 15.00
5A-00116	30045	Ho-166m	0.0056 U	0.019	0.0058	0.0432	10.00 - 15.00
5A-00116	30045	Pu-238	-0.0008 U	0.0084	0.0016	0.0415	10.00 - 15.00
5A-00116	30045	Pu-239/240	0.0008 U	0.0023	0.0008	0.0404	10.00 - 15.00
5A-00116	30045	Cm-245/246	0.0017 U	0.0063	0.0017	0.0401	10.00 - 15.00
5A-00116	30045	Na-22	0.0057 U	0.019	0.0058	0.037	10.00 - 15.00
5A-00116	30045	Pu-244	0.0017	0.0023	0.0012	0.0313	10.00 - 15.00
5A-00116	30045	Cm-247/248	0 U	0.0061	0.0012	0.0306	10.00 - 15.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00116	30045	Co-60	-0.0024 U	0.015	0.0044	0.028	10.00 - 15.00
5A-00116	30045	Sn-126	-0.0037 U	0.012	0.0037	0.0237	10.00 - 15.00
5A-00116	30045	Nb-94	0.0018 U	0.011	0.0033	0.0214	10.00 - 15.00
5A-00117	30046	Cd-113m	-5 U	34	10	3030	1.00 - 6.00
5A-00117	30046	Tm-171	-2.6 U	4.8	1.5	72.4	1.00 - 6.00
5A-00117	30046	K-40	21.6	0.1	1.1	32.4	1.00 - 6.00
5A-00117	30046	H-3	0.025 U	0.19	0.058	11.9	1.00 - 6.00
5A-00117	30046	Ni-59	0.07 U	0.46	0.14	8.39	1.00 - 6.00
5A-00117	30046	Ni-63	0.14 U	0.67	0.2	4.92	1.00 - 6.00
5A-00117	30046	Th-228	1.7	0.02	0.083	3.98	1.00 - 6.00
5A-00117	30046	Th-234	0.363 R	0.14	0.047	3.19	1.00 - 6.00
5A-00117	30046	Th-232	1.19	0.002	0.058	3.1	1.00 - 6.00
5A-00117	30046	C-14	0.0065 U	0.029	0.0088	2.96	1.00 - 6.00
5A-00117	30046	Pb-212	1.65	0.02	0.11	2.69	1.00 - 6.00
5A-00117	30046	Th-230	0.792	0.008	0.042	2.2	1.00 - 6.00
5A-00117	30046	Bi-212	1.01	0.091	0.064	2.15	1.00 - 6.00
5A-00117	30046	U-233/234	0.672	0.008	0.039	2.02	1.00 - 6.00
5A-00117	30046	U-238	0.71	0.009	0.04	1.8	1.00 - 6.00
5A-00117	30046	Pb-214	0.892	0.022	0.049	1.7	1.00 - 6.00
5A-00117	30046	Tc-99	-0.118 U	0.28	0.085	1.63	1.00 - 6.00
5A-00117	30046	Bi-214	0.811	0.023	0.045	1.59	1.00 - 6.00
5A-00117	30046	Tl-208	0.489	0.015	0.027	0.937	1.00 - 6.00
5A-00117	30046	Pa-231	0.009 U	0.47	0.14	0.936	1.00 - 6.00
5A-00117	30046	Sr-90	0.015 U	0.049	0.015	0.485	1.00 - 6.00
5A-00117	30046	Sb-125	0.135 SK	0.034	0.011	0.354	1.00 - 6.00
5A-00117	30046	Eu-155	0.082 SK	0.032	0.014	0.231	1.00 - 6.00
5A-00117	30046	Ac-227	0.027 U	0.12	0.049	0.217	1.00 - 6.00
5A-00117	30046	Cs-137	-0.0001 U	0.014	0.0041	0.207	1.00 - 6.00
5A-00117	30046	U-235/236	0.0382	0.0094	0.0074	0.151	1.00 - 6.00
5A-00117	30046	Eu-154	-0.06 U J	0.077	0.024	0.15	1.00 - 6.00
5A-00117	30046	Th-229	0.0019 U	0.01	0.0026	0.145	1.00 - 6.00
5A-00117	30046	Np-239	0.0007 U	0.06	0.018	0.139	1.00 - 6.00
5A-00117	30046	Cs-134	0.014 U	0.036	0.0036	0.0864	1.00 - 6.00
5A-00117	30046	Te-125m	0.0312 SK	0.0078	0.0025	0.0838	1.00 - 6.00
5A-00117	30046	Eu-152	0.0025 U	0.031	0.0042	0.0566	1.00 - 6.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00117	30046	Np-236	0.0042 U	0.026	0.0078	0.047	1.00 - 6.00
5A-00117	30046	Am-241	0.005	0.0053	0.0022	0.0454	1.00 - 6.00
5A-00117	30046	Cm-243/244	0.0007 U	0.0053	0.0012	0.0443	1.00 - 6.00
5A-00117	30046	Ho-166m	0.0211 JSK	0.02	0.0058	0.0432	1.00 - 6.00
5A-00117	30046	Pu-238	0.0048	0.0036	0.0017	0.0415	1.00 - 6.00
5A-00117	30046	Pu-239/240	0.001 U	0.0035	0.001	0.0404	1.00 - 6.00
5A-00117	30046	Cm-245/246	-0.0014 U	0.015	0.0025	0.0401	1.00 - 6.00
5A-00117	30046	Na-22	-0.0042 U	0.017	0.0053	0.037	1.00 - 6.00
5A-00117	30046	Pu-244	0 U	0.0013	0.0005	0.0313	1.00 - 6.00
5A-00117	30046	Cm-247/248	0.0024 U	0.01	0.0027	0.0306	1.00 - 6.00
5A-00117	30046	Co-60	0.0012 U	0.015	0.0014	0.028	1.00 - 6.00
5A-00117	30046	Sn-126	0.0007 U	0.012	0.0036	0.0237	1.00 - 6.00
5A-00117	30046	Nb-94	0.0045 U	0.01	0.0032	0.0214	1.00 - 6.00
5A-00118	30047	Cd-113m	24	34	13	3030	1.00 - 3.50
5A-00118	30047	Tm-171	2 U	6.2	1.9	72.4	1.00 - 3.50
5A-00118	30047	K-40	20.9	0.1	1	32.4	1.00 - 3.50
5A-00118	30047	H-3	-0.046 U	0.19	0.057	11.9	1.00 - 3.50
5A-00118	30047	Ni-59	-0.08 U	0.46	0.13	8.39	1.00 - 3.50
5A-00118	30047	Ni-63	0.33	0.69	0.21	4.92	1.00 - 3.50
5A-00118	30047	Th-228	1.75	0.017	0.085	3.98	1.00 - 3.50
5A-00118	30047	Th-234	0.607 R	0.16	0.059	3.19	1.00 - 3.50
5A-00118	30047	Th-232	1.25	0.006	0.061	3.1	1.00 - 3.50
5A-00118	30047	C-14	0.0111 U	0.024	0.0072	2.96	1.00 - 3.50
5A-00118	30047	Pb-212	1.64	0.028	0.093	2.69	1.00 - 3.50
5A-00118	30047	Th-230	0.888	0.009	0.046	2.2	1.00 - 3.50
5A-00118	30047	Bi-212	1.17	0.16	0.11	2.15	1.00 - 3.50
5A-00118	30047	U-233/234	0.662	0.003	0.037	2.02	1.00 - 3.50
5A-00118	30047	U-238	0.71	0.003	0.039	1.8	1.00 - 3.50
5A-00118	30047	Pb-214	0.934	0.027	0.049	1.7	1.00 - 3.50
5A-00118	30047	Tc-99	-0.099 U	0.28	0.086	1.63	1.00 - 3.50
5A-00118	30047	Bi-214	0.863	0.025	0.046	1.59	1.00 - 3.50
5A-00118	30047	Tl-208	0.51	0.018	0.028	0.937	1.00 - 3.50
5A-00118	30047	Pa-231	0.036 U	0.6	0.027	0.936	1.00 - 3.50
5A-00118	30047	Sr-90	0.031	0.042	0.013	0.485	1.00 - 3.50
5A-00118	30047	Sb-125	0.139 SK	0.034	0.013	0.354	1.00 - 3.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00118	30047	Eu-155	0.082 SK	0.035	0.014	0.231	1.00 - 3.50
5A-00118	30047	Ac-227	0.023 U	0.14	0.054	0.217	1.00 - 3.50
5A-00118	30047	Cs-137	0.0134	0.019	0.0077	0.207	1.00 - 3.50
5A-00118	30047	U-235/236	0.0279	0.0031	0.0058	0.151	1.00 - 3.50
5A-00118	30047	Eu-154	-0.002 U	0.12	0.0027	0.15	1.00 - 3.50
5A-00118	30047	Th-229	-0.0009 U	0.0098	0.002	0.145	1.00 - 3.50
5A-00118	30047	Np-239	0.025 U	0.091	0.028	0.139	1.00 - 3.50
5A-00118	30047	Cs-134	0.0159 SK	0.014	0.0056	0.0864	1.00 - 3.50
5A-00118	30047	Te-125m	0.0321 SK	0.0079	0.003	0.0838	1.00 - 3.50
5A-00118	30047	Eu-152	0.015 U	0.034	0.016	0.0566	1.00 - 3.50
5A-00118	30047	Np-236	-0.0004 U	0.031	0.0092	0.047	1.00 - 3.50
5A-00118	30047	Am-241	0.0008 U	0.0057	0.0013	0.0454	1.00 - 3.50
5A-00118	30047	Cm-243/244	0 U	0.0021	0.0008	0.0443	1.00 - 3.50
5A-00118	30047	Ho-166m	0.009 U J	0.028	0.0052	0.0432	1.00 - 3.50
5A-00118	30047	Pu-238	0.001 U	0.0068	0.0018	0.0415	1.00 - 3.50
5A-00118	30047	Pu-239/240	0.0005 U	0.0013	0.0005	0.0404	1.00 - 3.50
5A-00118	30047	Cm-245/246	0.0003 U	0.013	0.0027	0.0401	1.00 - 3.50
5A-00118	30047	Na-22	-0.0032 U	0.027	0.0081	0.037	1.00 - 3.50
5A-00118	30047	Pu-244	0.0005 U	0.0013	0.0005	0.0313	1.00 - 3.50
5A-00118	30047	Cm-247/248	0 U	0.004	0.0009	0.0306	1.00 - 3.50
5A-00118	30047	Co-60	0.004 U	0.02	0.0039	0.028	1.00 - 3.50
5A-00118	30047	Sn-126	0 U	0.017	0.0051	0.0237	1.00 - 3.50
5A-00118	30047	Nb-94	0.0046 U	0.015	0.0035	0.0214	1.00 - 3.50
5A-00119	30048	Cd-113m	-3.9 U	31	9.5	3030	0.00 - 0.50
5A-00119	30049	Cd-113m	12 U	41	13	3030	1.00 - 2.50
5A-00119	30048	Tm-171	-5.6 U J	4.3	1.4	72.4	0.00 - 0.50
5A-00119	30049	Tm-171	-1.1 U	6.2	1.9	72.4	1.00 - 2.50
5A-00119	30048	K-40	20.8	0.1	1.1	32.4	0.00 - 0.50
5A-00119	30049	K-40	23	0.1	1.1	32.4	1.00 - 2.50
5A-00119	30048	H-3	-0.002 U	0.25	0.074	11.9	0.00 - 0.50
5A-00119	30049	H-3	0.018 U	0.19	0.058	11.9	1.00 - 2.50
5A-00119	30048	Ni-59	0 U L	0.18	0.053	8.39	0.00 - 0.50
5A-00119	30049	Ni-59	0 U	0.14	0.035	8.39	1.00 - 2.50
5A-00119	30048	Ni-63	0.09 U	0.46	0.14	4.92	0.00 - 0.50
5A-00119	30049	Ni-63	-0.09 U	0.6	0.18	4.92	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00119	30048	Th-228	1.55	0.02	0.082	3.98	0.00 - 0.50
5A-00119	30049	Th-228	1.09	0.023	0.057	3.98	1.00 - 2.50
5A-00119	30048	Th-234	1.29 R	0.12	0.089	3.19	0.00 - 0.50
5A-00119	30049	Th-234	0.409 R	0.16	0.053	3.19	1.00 - 2.50
5A-00119	30048	Th-232	1.15	0.003	0.061	3.1	0.00 - 0.50
5A-00119	30049	Th-232	1.1	0.012	0.057	3.1	1.00 - 2.50
5A-00119	30048	C-14	0.034	0.032	0.01	2.96	0.00 - 0.50
5A-00119	30049	C-14	0.0072 U	0.027	0.0082	2.96	1.00 - 2.50
5A-00119	30048	Pb-212	1.46	0.018	0.095	2.69	0.00 - 0.50
5A-00119	30049	Pb-212	1.5	0.023	0.084	2.69	1.00 - 2.50
5A-00119	30048	Th-230	0.717	0.009	0.042	2.2	0.00 - 0.50
5A-00119	30049	Th-230	0.838	0.003	0.046	2.2	1.00 - 2.50
5A-00119	30048	Bi-212	0.963	0.088	0.069	2.15	0.00 - 0.50
5A-00119	30049	Bi-212	1.1	0.15	0.11	2.15	1.00 - 2.50
5A-00119	30048	U-233/234	0.765	0.009	0.045	2.02	0.00 - 0.50
5A-00119	30049	U-233/234	0.741 J	0.005	0.048	2.02	1.00 - 2.50
5A-00119	30048	U-238	0.719	0.003	0.043	1.8	0.00 - 0.50
5A-00119	30049	U-238	0.658 J	0.013	0.044	1.8	1.00 - 2.50
5A-00119	30048	Pb-214	0.702	0.021	0.039	1.7	0.00 - 0.50
5A-00119	30049	Pb-214	0.812	0.026	0.042	1.7	1.00 - 2.50
5A-00119	30048	Tc-99	-0.071 U	0.27	0.081	1.63	0.00 - 0.50
5A-00119	30049	Tc-99	-0.025 U	0.27	0.081	1.63	1.00 - 2.50
5A-00119	30048	Bi-214	0.642	0.022	0.036	1.59	0.00 - 0.50
5A-00119	30049	Bi-214	0.767	0.029	0.042	1.59	1.00 - 2.50
5A-00119	30048	Tl-208	0.43	0.013	0.024	0.937	0.00 - 0.50
5A-00119	30049	Tl-208	0.458	0.018	0.025	0.937	1.00 - 2.50
5A-00119	30048	Pa-231	-0.12 U	0.45	0.13	0.936	0.00 - 0.50
5A-00119	30049	Pa-231	0.125 U	0.59	0.094	0.936	1.00 - 2.50
5A-00119	30048	Sr-90	0.032	0.05	0.016	0.485	0.00 - 0.50
5A-00119	30049	Sr-90	0.009 U	0.051	0.015	0.485	1.00 - 2.50
5A-00119	30048	Sb-125	0.113 SK	0.032	0.01	0.354	0.00 - 0.50
5A-00119	30049	Sb-125	0.101 SK	0.036	0.01	0.354	1.00 - 2.50
5A-00119	30048	Eu-155	0.06 SK	0.027	0.011	0.231	0.00 - 0.50
5A-00119	30049	Eu-155	0.063 SK	0.033	0.013	0.231	1.00 - 2.50
5A-00119	30048	Ac-227	0.33 RZ	0.11	0.022	0.217	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00119	30049	Ac-227	0.026 U	0.15	0.051	0.217	1.00 - 2.50
5A-00119	30048	Cs-137	0.159	0.01	0.01	0.207	0.00 - 0.50
5A-00119	30049	Cs-137	0.0023 U	0.017	0.005	0.207	1.00 - 2.50
5A-00119	30048	U-235/236	0.0405	0.011	0.0084	0.151	0.00 - 0.50
5A-00119	30049	U-235/236	0.049 J	0.016	0.011	0.151	1.00 - 2.50
5A-00119	30048	Eu-154	-0.023 U	0.073	0.022	0.15	0.00 - 0.50
5A-00119	30049	Eu-154	-0.044 U	0.11	0.035	0.15	1.00 - 2.50
5A-00119	30048	Th-229	0.0066	0.0087	0.0031	0.145	0.00 - 0.50
5A-00119	30049	Th-229	0.006	0.0094	0.0032	0.145	1.00 - 2.50
5A-00119	30048	Np-239	0.017 U	0.069	0.021	0.139	0.00 - 0.50
5A-00119	30049	Np-239	0.002 U	0.077	0.023	0.139	1.00 - 2.50
5A-00119	30048	Cs-134	0.0149 U J	0.039	0.0034	0.0864	0.00 - 0.50
5A-00119	30049	Cs-134	0.0079 U	0.051	0.0031	0.0864	1.00 - 2.50
5A-00119	30048	Te-125m	0.0262 SK	0.0074	0.0023	0.0838	0.00 - 0.50
5A-00119	30049	Te-125m	0.0234 SK	0.0084	0.0023	0.0838	1.00 - 2.50
5A-00119	30048	Eu-152	-0.0161 U J	0.025	0.0077	0.0566	0.00 - 0.50
5A-00119	30049	Eu-152	0.015 U	0.039	0.011	0.0566	1.00 - 2.50
5A-00119	30048	Np-236	-0.0049 U	0.024	0.0073	0.047	0.00 - 0.50
5A-00119	30049	Np-236	-0.0052 U	0.031	0.0094	0.047	1.00 - 2.50
5A-00119	30048	Am-241	0.0042	0.0023	0.0019	0.0454	0.00 - 0.50
5A-00119	30049	Am-241	0.0045	0.0082	0.0028	0.0454	1.00 - 2.50
5A-00119	30048	Cm-243/244	-0.0017 U	0.0078	0.0012	0.0443	0.00 - 0.50
5A-00119	30049	Cm-243/244	0 U	0.0083	0.0016	0.0443	1.00 - 2.50
5A-00119	30048	Ho-166m	0.0014 U	0.017	0.0028	0.0432	0.00 - 0.50
5A-00119	30049	Ho-166m	0.0225 SK	0.027	0.0059	0.0432	1.00 - 2.50
5A-00119	30048	Pu-238	0.0026	0.0066	0.002	0.0415	0.00 - 0.50
5A-00119	30049	Pu-238	0.0004 U	0.0057	0.0011	0.0415	1.00 - 2.50
5A-00119	30048	Pu-239/240	0.0031	0.0054	0.0019	0.0404	0.00 - 0.50
5A-00119	30049	Pu-239/240	-0.0006 U	0.0057	0.0006	0.0404	1.00 - 2.50
5A-00119	30048	Cm-245/246	-0.0009 U	0.0068	0.0009	0.0401	0.00 - 0.50
5A-00119	30049	Cm-245/246	0.0003 U	0.014	0.0029	0.0401	1.00 - 2.50
5A-00119	30048	Na-22	0.0051 U	0.019	0.0056	0.037	0.00 - 0.50
5A-00119	30049	Na-22	-0.0085 U	0.027	0.008	0.037	1.00 - 2.50
5A-00119	30048	Pu-244	0.0036	0.0025	0.0018	0.0313	0.00 - 0.50
5A-00119	30049	Pu-244	0.0019	0.0026	0.0014	0.0313	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00119	30048	Cm-247/248	0.0018 U	0.0025	0.0013	0.0306	0.00 - 0.50
5A-00119	30049	Cm-247/248	0.0016 U	0.0044	0.0016	0.0306	1.00 - 2.50
5A-00119	30048	Co-60	-0.0024 U	0.014	0.0041	0.028	0.00 - 0.50
5A-00119	30049	Co-60	0.0053 U	0.018	0.0048	0.028	1.00 - 2.50
5A-00119	30048	Sn-126	-0.0029 U	0.011	0.0033	0.0237	0.00 - 0.50
5A-00119	30049	Sn-126	0 U	0.017	0.004	0.0237	1.00 - 2.50
5A-00119	30048	Nb-94	0.0049 SK	0.0096	0.0029	0.0214	0.00 - 0.50
5A-00119	30049	Nb-94	0.007 SK	0.014	0.0044	0.0214	1.00 - 2.50
5A-00120	30050	Cd-113m	-4.6 U	29	8.8	3030	0.00 - 0.50
5A-00120	30050	Tm-171	-1.4 U	4.8	1.5	72.4	0.00 - 0.50
5A-00120	30050	K-40	20.6	0.1	1.1	32.4	0.00 - 0.50
5A-00120	30050	H-3	0.072 U	0.24	0.071	11.9	0.00 - 0.50
5A-00120	30050	Ni-59	0 U L	0.19	0.049	8.39	0.00 - 0.50
5A-00120	30050	Ni-63	0.27	0.47	0.14	4.92	0.00 - 0.50
5A-00120	30050	Th-228	1.25	0.029	0.067	3.98	0.00 - 0.50
5A-00120	30050	Th-234	0.15 R	0.12	0.037	3.19	0.00 - 0.50
5A-00120	30050	Th-232	0.817	0.003	0.045	3.1	0.00 - 0.50
5A-00120	30050	C-14	0.0185	0.031	0.0095	2.96	0.00 - 0.50
5A-00120	30050	Pb-212	1.14	0.019	0.075	2.69	0.00 - 0.50
5A-00120	30050	Th-230	0.492	0.007	0.03	2.2	0.00 - 0.50
5A-00120	30050	Bi-212	0.807	0.1	0.075	2.15	0.00 - 0.50
5A-00120	30050	U-233/234	0.45	0.01	0.029	2.02	0.00 - 0.50
5A-00120	30050	U-238	0.499	0.008	0.031	1.8	0.00 - 0.50
5A-00120	30050	Pb-214	0.516	0.02	0.03	1.7	0.00 - 0.50
5A-00120	30050	Tc-99	-0.081 U	0.29	0.088	1.63	0.00 - 0.50
5A-00120	30050	Bi-214	0.466	0.02	0.027	1.59	0.00 - 0.50
5A-00120	30050	Tl-208	0.35	0.013	0.02	0.937	0.00 - 0.50
5A-00120	30050	Pa-231	-0.11 U	0.4	0.12	0.936	0.00 - 0.50
5A-00120	30050	Sr-90	0.033	0.049	0.015	0.485	0.00 - 0.50
5A-00120	30050	Sb-125	0.112 SK	0.029	0.01	0.354	0.00 - 0.50
5A-00120	30050	Eu-155	0.074 SK	0.027	0.012	0.231	0.00 - 0.50
5A-00120	30050	Ac-227	0.029 U	0.1	0.022	0.217	0.00 - 0.50
5A-00120	30050	Cs-137	0.0166	0.0091	0.0044	0.207	0.00 - 0.50
5A-00120	30050	U-235/236	0.0307	0.0036	0.0065	0.151	0.00 - 0.50
5A-00120	30050	Eu-154	-0.022 U	0.072	0.022	0.15	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00120	30050	Th-229	0.0056	0.01	0.0034	0.145	0.00 - 0.50
5A-00120	30050	Np-239	-0.019 U	0.067	0.02	0.139	0.00 - 0.50
5A-00120	30050	Cs-134	-0.0169 U J	0.014	0.0045	0.0864	0.00 - 0.50
5A-00120	30050	Te-125m	0.026 SK	0.0067	0.0024	0.0838	0.00 - 0.50
5A-00120	30050	Eu-152	0.0113 U	0.028	0.006	0.0566	0.00 - 0.50
5A-00120	30050	Np-236	0 U	0.024	0.0029	0.047	0.00 - 0.50
5A-00120	30050	Am-241	0.0044	0.0024	0.002	0.0454	0.00 - 0.50
5A-00120	30050	Cm-243/244	0 U	0.0024	0.0009	0.0443	0.00 - 0.50
5A-00120	30050	Ho-166m	0.0071 U	0.017	0.0063	0.0432	0.00 - 0.50
5A-00120	30050	Pu-238	0.0012 U	0.0052	0.0013	0.0415	0.00 - 0.50
5A-00120	30050	Pu-239/240	0.0017	0.0023	0.0012	0.0404	0.00 - 0.50
5A-00120	30050	Cm-245/246	0.0019 U	0.0026	0.0014	0.0401	0.00 - 0.50
5A-00120	30050	Na-22	-0.0002 U	0.018	0.0054	0.037	0.00 - 0.50
5A-00120	30050	Pu-244	0.0017	0.0023	0.0012	0.0313	0.00 - 0.50
5A-00120	30050	Cm-247/248	0 U	0.007	0.0013	0.0306	0.00 - 0.50
5A-00120	30050	Co-60	0.0019 U	0.013	0.0039	0.028	0.00 - 0.50
5A-00120	30050	Sn-126	0.0007 U	0.0093	0.0028	0.0237	0.00 - 0.50
5A-00120	30050	Nb-94	0.0011 U	0.0098	0.0018	0.0214	0.00 - 0.50
5A-00121	30052	Cd-113m	-3.4 U	31	9.4	3030	0.00 - 0.50
5A-00121	30053	Cd-113m	8 U	45	14	3030	1.00 - 3.00
5A-00121	30052	Tm-171	-0.1 U J	5.6	1.7	72.4	0.00 - 0.50
5A-00121	30053	Tm-171	-4 U	7.7	2.4	72.4	1.00 - 3.00
5A-00121	30052	K-40	21.7	0.1	1.1	32.4	0.00 - 0.50
5A-00121	30053	K-40	21.6	0.2	1.1	32.4	1.00 - 3.00
5A-00121	30052	Th-228	1.35	0.013	0.066	3.98	0.00 - 0.50
5A-00121	30053	Th-228	2.17	0.02	0.1	3.98	1.00 - 3.00
5A-00121	30052	Th-234	1.4 R	0.13	0.096	3.19	0.00 - 0.50
5A-00121	30053	Th-234	0.556 R	0.19	0.064	3.19	1.00 - 3.00
5A-00121	30052	Th-232	1.25	0.008	0.062	3.1	0.00 - 0.50
5A-00121	30053	Th-232	1.65	0.002	0.078	3.1	1.00 - 3.00
5A-00121	30052	Pb-212	1.63	0.02	0.11	2.69	0.00 - 0.50
5A-00121	30053	Pb-212	2.11	0.03	0.1	2.69	1.00 - 3.00
5A-00121	30052	Th-230	0.886	0.008	0.046	2.2	0.00 - 0.50
5A-00121	30053	Th-230	1.22	0.006	0.06	2.2	1.00 - 3.00
5A-00121	30052	Bi-212	1.01	0.1	0.077	2.15	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00121	30053	Bi-212	1.46	0.15	0.11	2.15	1.00 - 3.00
5A-00121	30052	U-233/234	0.613	0.011	0.035	2.02	0.00 - 0.50
5A-00121	30053	U-233/234	0.988	0.006	0.05	2.02	1.00 - 3.00
5A-00121	30052	U-238	0.644	0.003	0.037	1.8	0.00 - 0.50
5A-00121	30053	U-238	0.982	0.008	0.05	1.8	1.00 - 3.00
5A-00121	30052	Pb-214	0.809	0.023	0.044	1.7	0.00 - 0.50
5A-00121	30053	Pb-214	1.28	0.029	0.072	1.7	1.00 - 3.00
5A-00121	30052	Bi-214	0.76	0.022	0.042	1.59	0.00 - 0.50
5A-00121	30053	Bi-214	1.23	0.029	0.064	1.59	1.00 - 3.00
5A-00121	30052	Tl-208	0.484 J	0.015	0.027	0.937	0.00 - 0.50
5A-00121	30053	Tl-208	0.714	0.02	0.037	0.937	1.00 - 3.00
5A-00121	30052	Pa-231	0.01 U	0.35	0.11	0.936	0.00 - 0.50
5A-00121	30053	Pa-231	0.08 U	0.6	0.18	0.936	1.00 - 3.00
5A-00121	30052	Sr-90	0.029	0.045	0.014	0.485	0.00 - 0.50
5A-00121	30053	Sr-90	-0.014 U	0.049	0.014	0.485	1.00 - 3.00
5A-00121	30052	Sb-125	0.136 SK	0.034	0.011	0.354	0.00 - 0.50
5A-00121	30053	Sb-125	0.201 SK	0.049	0.016	0.354	1.00 - 3.00
5A-00121	30052	Eu-155	0.063 SK	0.028	0.012	0.231	0.00 - 0.50
5A-00121	30053	Eu-155	0.015 U L	0.04	0.012	0.231	1.00 - 3.00
5A-00121	30052	Ac-227	0.074	0.093	0.017	0.217	0.00 - 0.50
5A-00121	30053	Ac-227	0.046 U	0.16	0.016	0.217	1.00 - 3.00
5A-00121	30052	Cs-137	0.0045 U	0.012	0.0037	0.207	0.00 - 0.50
5A-00121	30053	Cs-137	-0.0029 U	0.019	0.0057	0.207	1.00 - 3.00
5A-00121	30052	U-235/236	0.0333	0.0088	0.0067	0.151	0.00 - 0.50
5A-00121	30053	U-235/236	0.0514	0.0071	0.0075	0.151	1.00 - 3.00
5A-00121	30052	Eu-154	-0.019 U	0.073	0.022	0.15	0.00 - 0.50
5A-00121	30053	Eu-154	-0.021 U	0.11	0.034	0.15	1.00 - 3.00
5A-00121	30052	Th-229	0.0032	0.0057	0.0019	0.145	0.00 - 0.50
5A-00121	30053	Th-229	0.0084	0.0068	0.0031	0.145	1.00 - 3.00
5A-00121	30052	Np-239	-0.016 U	0.074	0.022	0.139	0.00 - 0.50
5A-00121	30053	Np-239	-0.002 U	0.081	0.024	0.139	1.00 - 3.00
5A-00121	30052	Cs-134	0.0146 U	0.035	0.0038	0.0864	0.00 - 0.50
5A-00121	30053	Cs-134	0.0214 U	0.058	0.0049	0.0864	1.00 - 3.00
5A-00121	30052	Te-125m	0.0314 SK	0.0079	0.0025	0.0838	0.00 - 0.50
5A-00121	30053	Te-125m	0.0465 SK	0.011	0.0038	0.0838	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00121	30052	Eu-152	-0.0159 U	0.026	0.008	0.0566	0.00 - 0.50
5A-00121	30053	Eu-152	0.0147 U	0.043	0.0093	0.0566	1.00 - 3.00
5A-00121	30052	Np-236	0.0029 U	0.025	0.0076	0.047	0.00 - 0.50
5A-00121	30053	Np-236	-0.0002 U	0.034	0.01	0.047	1.00 - 3.00
5A-00121	30052	Am-241	0 U	0.014	0.0034	0.0454	0.00 - 0.50
5A-00121	30053	Am-241	0.0017 U	0.0064	0.0017	0.0454	1.00 - 3.00
5A-00121	30052	Cm-243/244	0.0024 U	0.0033	0.0017	0.0443	0.00 - 0.50
5A-00121	30053	Cm-243/244	0 U	0.0064	0.0012	0.0443	1.00 - 3.00
5A-00121	30052	Ho-166m	0.0073 JSK	0.015	0.004	0.0432	0.00 - 0.50
5A-00121	30053	Ho-166m	0.0098 U J	0.028	0.0058	0.0432	1.00 - 3.00
5A-00121	30052	Pu-238	0.0003 U	0.0049	0.001	0.0415	0.00 - 0.50
5A-00121	30053	Pu-238	0.0039	0.0058	0.0019	0.0415	1.00 - 3.00
5A-00121	30052	Pu-239/240	0.0016	0.0022	0.0012	0.0404	0.00 - 0.50
5A-00121	30053	Pu-239/240	0.001 U	0.0013	0.0007	0.0404	1.00 - 3.00
5A-00121	30052	Cm-245/246	0.0009 U	0.0023	0.0009	0.0401	0.00 - 0.50
5A-00121	30053	Cm-245/246	0.0006 U	0.0088	0.0017	0.0401	1.00 - 3.00
5A-00121	30052	Na-22	0.0053 U	0.018	0.0056	0.037	0.00 - 0.50
5A-00121	30053	Na-22	-0.0007 U	0.027	0.0079	0.037	1.00 - 3.00
5A-00121	30052	Pu-244	0.0016	0.0022	0.0012	0.0313	0.00 - 0.50
5A-00121	30053	Pu-244	0 U	0.0013	0.0005	0.0313	1.00 - 3.00
5A-00121	30052	Cm-247/248	0.0017 U	0.0023	0.0012	0.0306	0.00 - 0.50
5A-00121	30053	Cm-247/248	0.0015 U	0.0039	0.0015	0.0306	1.00 - 3.00
5A-00121	30052	Co-60	0.0049 U	0.014	0.0031	0.028	0.00 - 0.50
5A-00121	30053	Co-60	0.0041 U	0.014	0.0043	0.028	1.00 - 3.00
5A-00121	30052	Sn-126	0.0005 U	0.012	0.0036	0.0237	0.00 - 0.50
5A-00121	30053	Sn-126	0.003 U	0.018	0.0054	0.0237	1.00 - 3.00
5A-00121	30052	Nb-94	0.0029 U	0.011	0.0023	0.0214	0.00 - 0.50
5A-00121	30053	Nb-94	0.0023 U	0.016	0.0032	0.0214	1.00 - 3.00
5A-00122	30054	Cd-113m	-8 U	35	11	3030	0.00 - 0.50
5A-00122	30054	Tm-171	-1.4 U J	5.6	1.7	72.4	0.00 - 0.50
5A-00122	30054	K-40	21.7	0.1	1.1	32.4	0.00 - 0.50
5A-00122	30054	Th-228	1.49	0.013	0.072	3.98	0.00 - 0.50
5A-00122	30054	Th-234	1.41 R	0.14	0.0996	3.19	0.00 - 0.50
5A-00122	30054	Th-232	1.36	0.008	0.066	3.1	0.00 - 0.50
5A-00122	30054	Pb-212	1.86	0.02	0.12	2.69	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00122	30054	Th-230	0.968	0.002	0.05	2.2	0.00 - 0.50
5A-00122	30054	Bi-212	1.19	0.12	0.095	2.15	0.00 - 0.50
5A-00122	30054	U-233/234	0.665	0.006	0.037	2.02	0.00 - 0.50
5A-00122	30054	U-238	0.741	0.006	0.04	1.8	0.00 - 0.50
5A-00122	30054	Pb-214	0.898	0.023	0.049	1.7	0.00 - 0.50
5A-00122	30054	Bi-214	0.783	0.021	0.043	1.59	0.00 - 0.50
5A-00122	30054	Tl-208	0.551 J	0.014	0.03	0.937	0.00 - 0.50
5A-00122	30054	Pa-231	0.17 U	0.49	0.15	0.936	0.00 - 0.50
5A-00122	30054	Sr-90	0.021 U	0.043	0.013	0.485	0.00 - 0.50
5A-00122	30054	Sb-125	0.138 SK	0.032	0.011	0.354	0.00 - 0.50
5A-00122	30054	Eu-155	0.082 SK	0.031	0.013	0.231	0.00 - 0.50
5A-00122	30054	Ac-227	0.377 RZ	0.12	0.025	0.217	0.00 - 0.50
5A-00122	30054	Cs-137	0.0148	0.0095	0.0042	0.207	0.00 - 0.50
5A-00122	30054	U-235/236	0.036	0.0029	0.0064	0.151	0.00 - 0.50
5A-00122	30054	Eu-154	0.004 U	0.084	0.0046	0.15	0.00 - 0.50
5A-00122	30054	Th-229	0.0035 U	0.011	0.0031	0.145	0.00 - 0.50
5A-00122	30054	Np-239	0.002 U	0.077	0.023	0.139	0.00 - 0.50
5A-00122	30054	Cs-134	0.0187 U	0.045	0.0046	0.0864	0.00 - 0.50
5A-00122	30054	Te-125m	0.0318 SK	0.0073	0.0025	0.0838	0.00 - 0.50
5A-00122	30054	Eu-152	0.0054 U	0.032	0.0081	0.0566	0.00 - 0.50
5A-00122	30054	Np-236	0.0001 U	0.027	0.0082	0.047	0.00 - 0.50
5A-00122	30054	Am-241	0.003	0.0073	0.0022	0.0454	0.00 - 0.50
5A-00122	30054	Cm-243/244	0.002 U	0.0074	0.002	0.0443	0.00 - 0.50
5A-00122	30054	Ho-166m	0.0072 U J	0.019	0.0036	0.0432	0.00 - 0.50
5A-00122	30054	Pu-238	0.0015 U	0.0074	0.0019	0.0415	0.00 - 0.50
5A-00122	30054	Pu-239/240	0.0003 U	0.0044	0.0009	0.0404	0.00 - 0.50
5A-00122	30054	Cm-245/246	0.0018 U	0.0024	0.0013	0.0401	0.00 - 0.50
5A-00122	30054	Na-22	0.002 U	0.02	0.0059	0.037	0.00 - 0.50
5A-00122	30054	Pu-244	0.0003 U	0.0044	0.0009	0.0313	0.00 - 0.50
5A-00122	30054	Cm-247/248	0.0009 U	0.0024	0.0009	0.0306	0.00 - 0.50
5A-00122	30054	Co-60	0.0004 U	0.015	0.0023	0.028	0.00 - 0.50
5A-00122	30054	Sn-126	0.003 U	0.013	0.0038	0.0237	0.00 - 0.50
5A-00122	30054	Nb-94	0.0065 SK	0.011	0.0034	0.0214	0.00 - 0.50
5A-00126	30084	Cd-113m	9 U	34	10	3030	0.00 - 0.50
5A-00126	30085	Cd-113m	-5.4 U	33	9.96	3030	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00126	30084	Tm-171	-3.9 U J	5.5	1.7	72.4	0.00 - 0.50
5A-00126	30085	Tm-171	-4.9 U J	4.8	1.5	72.4	1.00 - 5.00
5A-00126	30084	K-40	22.4	0.1	1.1	32.4	0.00 - 0.50
5A-00126	30085	K-40	20.6	0.1	1.1	32.4	1.00 - 5.00
5A-00126	30084	Th-228	1.43	0.02	0.073	3.98	0.00 - 0.50
5A-00126	30085	Th-228	1.59	0.011	0.077	3.98	1.00 - 5.00
5A-00126	30084	Th-234	1.52 R	0.13	0.1	3.19	0.00 - 0.50
5A-00126	30085	Th-234	0.5 R	0.14	0.052	3.19	1.00 - 5.00
5A-00126	30084	Th-232	1.32	0.003	0.068	3.1	0.00 - 0.50
5A-00126	30085	Th-232	1.58	0.002	0.076	3.1	1.00 - 5.00
5A-00126	30084	Pb-212	1.73	0.02	0.11	2.69	0.00 - 0.50
5A-00126	30085	Pb-212	1.82	0.02	0.12	2.69	1.00 - 5.00
5A-00126	30084	Th-230	0.993	0.011	0.054	2.2	0.00 - 0.50
5A-00126	30085	Th-230	1.16	0.01	0.058	2.2	1.00 - 5.00
5A-00126	30084	Bi-212	1.01	0.091	0.07	2.15	0.00 - 0.50
5A-00126	30085	Bi-212	1.16	0.09	0.078	2.15	1.00 - 5.00
5A-00126	30084	U-233/234	0.808	0.013	0.048	2.02	0.00 - 0.50
5A-00126	30085	U-233/234	0.531	0.007	0.029	2.02	1.00 - 5.00
5A-00126	30084	U-238	0.769	0.01	0.046	1.8	0.00 - 0.50
5A-00126	30085	U-238	0.552	0.002	0.03	1.8	1.00 - 5.00
5A-00126	30084	Pb-214	0.904	0.021	0.049	1.7	0.00 - 0.50
5A-00126	30085	Pb-214	0.909	0.021	0.049	1.7	1.00 - 5.00
5A-00126	30084	Bi-214	0.818	0.02	0.044	1.59	0.00 - 0.50
5A-00126	30085	Bi-214	0.814	0.021	0.044	1.59	1.00 - 5.00
5A-00126	30084	Tl-208	0.514	0.015	0.028	0.937	0.00 - 0.50
5A-00126	30085	Tl-208	0.534	0.015	0.029	0.937	1.00 - 5.00
5A-00126	30084	Pa-231	0.164 U	0.48	0.078	0.936	0.00 - 0.50
5A-00126	30085	Pa-231	0.05 U	0.48	0.14	0.936	1.00 - 5.00
5A-00126	30084	Sr-90	0.026	0.037	0.012	0.485	0.00 - 0.50
5A-00126	30085	Sr-90	0.002 U	0.037	0.011	0.485	1.00 - 5.00
5A-00126	30084	Sb-125	0.11 SK	0.034	0.0087	0.354	0.00 - 0.50
5A-00126	30085	Sb-125	0.128 SK	0.032	0.0094	0.354	1.00 - 5.00
5A-00126	30084	Eu-155	0.074 SK	0.029	0.012	0.231	0.00 - 0.50
5A-00126	30085	Eu-155	0.086 SK	0.028	0.012	0.231	1.00 - 5.00
5A-00126	30084	Ac-227	0.065	0.088	0.015	0.217	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00126	30085	Ac-227	0.049 U	0.11	0.014	0.217	1.00 - 5.00
5A-00126	30084	Cs-137	0.0766	0.011	0.0072	0.207	0.00 - 0.50
5A-00126	30085	Cs-137	-0.008 U J	0.013	0.0039	0.207	1.00 - 5.00
5A-00126	30084	U-235/236	0.0392	0.0046	0.0083	0.151	0.00 - 0.50
5A-00126	30085	U-235/236	0.023	0.0058	0.0045	0.151	1.00 - 5.00
5A-00126	30084	Eu-154	-0.03 U	0.08	0.024	0.15	0.00 - 0.50
5A-00126	30085	Eu-154	0.0066 U	0.074	0.0049	0.15	1.00 - 5.00
5A-00126	30084	Th-229	0.0079	0.0031	0.003	0.145	0.00 - 0.50
5A-00126	30085	Th-229	-0.0021 U	0.013	0.0026	0.145	1.00 - 5.00
5A-00126	30084	Np-239	-0.011 U	0.077	0.023	0.139	0.00 - 0.50
5A-00126	30085	Np-239	0.004 U	0.076	0.023	0.139	1.00 - 5.00
5A-00126	30084	Cs-134	0.0081 U	0.036	0.0025	0.0864	0.00 - 0.50
5A-00126	30085	Cs-134	0.0151 U	0.034	0.0032	0.0864	1.00 - 5.00
5A-00126	30084	Te-125m	0.0253 SK	0.0078	0.002	0.0838	0.00 - 0.50
5A-00126	30085	Te-125m	0.0295 SK	0.0075	0.0022	0.0838	1.00 - 5.00
5A-00126	30084	Eu-152	-0.007 U	0.029	0.0087	0.0566	0.00 - 0.50
5A-00126	30085	Eu-152	-0.0097 U	0.032	0.0096	0.0566	1.00 - 5.00
5A-00126	30084	Np-236	-0.0062 U	0.027	0.0081	0.047	0.00 - 0.50
5A-00126	30085	Np-236	-0.0113 U	0.027	0.0083	0.047	1.00 - 5.00
5A-00126	30084	Am-241	0.0034	0.0084	0.0026	0.0454	0.00 - 0.50
5A-00126	30085	Am-241	0 U	0.011	0.002	0.0454	1.00 - 5.00
5A-00126	30084	Cm-243/244	0.0012 U	0.0031	0.0012	0.0443	0.00 - 0.50
5A-00126	30085	Cm-243/244	-0.0043 U	0.016	0.0025	0.0443	1.00 - 5.00
5A-00126	30084	Ho-166m	0.0059 U	0.019	0.0046	0.0432	0.00 - 0.50
5A-00126	30085	Ho-166m	0.0093 SK	0.017	0.0061	0.0432	1.00 - 5.00
5A-00126	30084	Pu-238	0.0016 U	0.0066	0.0017	0.0415	0.00 - 0.50
5A-00126	30085	Pu-238	0.0009 U	0.0025	0.0009	0.0415	1.00 - 5.00
5A-00126	30084	Pu-239/240	0.0045	0.0024	0.002	0.0404	0.00 - 0.50
5A-00126	30085	Pu-239/240	0.0022	0.0054	0.0017	0.0404	1.00 - 5.00
5A-00126	30084	Cm-245/246	-0.001 U	0.0074	0.001	0.0401	0.00 - 0.50
5A-00126	30085	Cm-245/246	0.0031	0.0041	0.0022	0.0401	1.00 - 5.00
5A-00126	30084	Na-22	0.018	0.016	0.0082	0.037	0.00 - 0.50
5A-00126	30085	Na-22	0.0071 U	0.017	0.0051	0.037	1.00 - 5.00
5A-00126	30084	Pu-244	0.0009 U	0.0024	0.0009	0.0313	0.00 - 0.50
5A-00126	30085	Pu-244	0.0009 U	0.0024	0.0009	0.0313	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00126	30084	Cm-247/248	0.001 U	0.0027	0.001	0.0306	0.00 - 0.50
5A-00126	30085	Cm-247/248	0 U	0.0041	0.0009	0.0306	1.00 - 5.00
5A-00126	30084	Co-60	0.0006 U	0.015	0.0028	0.028	0.00 - 0.50
5A-00126	30085	Co-60	0.0025 U	0.013	0.0032	0.028	1.00 - 5.00
5A-00126	30084	Sn-126	0.0004 U	0.012	0.0036	0.0237	0.00 - 0.50
5A-00126	30085	Sn-126	-0.0003 U	0.011	0.0034	0.0237	1.00 - 5.00
5A-00126	30084	Nb-94	0.0034 U	0.011	0.0033	0.0214	0.00 - 0.50
5A-00126	30085	Nb-94	0.0037 U	0.011	0.0032	0.0214	1.00 - 5.00
5A-00127	30086	Cd-113m	2 U	42	13	3030	1.00 - 3.00
5A-00127	30141	Cd-113m	-0.6 U	33	9.9	3030	0.00 - 0.50
5A-00127	30086	Tm-171	-1.2 U	6.3	1.9	72.4	1.00 - 3.00
5A-00127	30141	Tm-171	-3.6 U J	5.4	1.7	72.4	0.00 - 0.50
5A-00127	30086	K-40	21.3	0.1	1	32.4	1.00 - 3.00
5A-00127	30141	K-40	22.3	0.1	1.1	32.4	0.00 - 0.50
5A-00127	30086	Th-228	1.37	0.013	0.068	3.98	1.00 - 3.00
5A-00127	30141	Th-228	1.43	0.023	0.078	3.98	0.00 - 0.50
5A-00127	30086	Th-234	1.69 R	0.15	0.11	3.19	1.00 - 3.00
5A-00127	30141	Th-234	1.52 R	0.13	0.1	3.19	0.00 - 0.50
5A-00127	30086	Th-232	1.31	0.009	0.066	3.1	1.00 - 3.00
5A-00127	30141	Th-232	1.41	0.012	0.076	3.1	0.00 - 0.50
5A-00127	30086	Pb-212	1.66	0.024	0.093	2.69	1.00 - 3.00
5A-00127	30141	Pb-212	1.87	0.02	0.12	2.69	0.00 - 0.50
5A-00127	30086	Th-230	1.03	0.009	0.054	2.2	1.00 - 3.00
5A-00127	30141	Th-230	1.07	0.004	0.061	2.2	0.00 - 0.50
5A-00127	30086	Bi-212	0.989	0.12	0.08	2.15	1.00 - 3.00
5A-00127	30141	Bi-212	1.07	0.11	0.08	2.15	0.00 - 0.50
5A-00127	30086	U-233/234	0.515	0.008	0.029	2.02	1.00 - 3.00
5A-00127	30141	U-233/234	0.839	0.014	0.048	2.02	0.00 - 0.50
5A-00127	30086	U-238	0.529	0.002	0.029	1.8	1.00 - 3.00
5A-00127	30141	U-238	0.835	0.009	0.048	1.8	0.00 - 0.50
5A-00127	30086	Pb-214	0.945	0.025	0.049	1.7	1.00 - 3.00
5A-00127	30141	Pb-214	1.11	0.024	0.059	1.7	0.00 - 0.50
5A-00127	30086	Bi-214	0.847	0.026	0.045	1.59	1.00 - 3.00
5A-00127	30141	Bi-214	0.988	0.023	0.053	1.59	0.00 - 0.50
5A-00127	30086	Tl-208	0.509	0.018	0.028	0.937	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00127	30141	Tl-208	0.547	0.018	0.03	0.937	0.00 - 0.50
5A-00127	30086	Pa-231	0.19 U	0.6	0.13	0.936	1.00 - 3.00
5A-00127	30141	Pa-231	-0.18 U	0.53	0.16	0.936	0.00 - 0.50
5A-00127	30086	Sr-90	0.017 U	0.035	0.011	0.485	1.00 - 3.00
5A-00127	30141	Sr-90	0.028	0.034	0.011	0.485	0.00 - 0.50
5A-00127	30086	Sb-125	0.163 SK	0.043	0.013	0.354	1.00 - 3.00
5A-00127	30141	Sb-125	0.137 SK	0.034	0.01	0.354	0.00 - 0.50
5A-00127	30086	Eu-155	0.042 SK	0.033	0.01	0.231	1.00 - 3.00
5A-00127	30141	Eu-155	0.095 SK	0.034	0.015	0.231	0.00 - 0.50
5A-00127	30086	Ac-227	0.015 U	0.15	0.039	0.217	1.00 - 3.00
5A-00127	30141	Ac-227	0.091	0.091	0.02	0.217	0.00 - 0.50
5A-00127	30086	Cs-137	0.0323	0.012	0.0061	0.207	1.00 - 3.00
5A-00127	30141	Cs-137	0.0527	0.01	0.0054	0.207	0.00 - 0.50
5A-00127	30086	U-235/236	0.0337	0.006	0.0056	0.151	1.00 - 3.00
5A-00127	30141	U-235/236	0.0415	0.0043	0.0083	0.151	0.00 - 0.50
5A-00127	30086	Eu-154	0.016 U	0.11	0.02	0.15	1.00 - 3.00
5A-00127	30141	Eu-154	0.015 U	0.084	0.02	0.15	0.00 - 0.50
5A-00127	30086	Th-229	0.0053	0.0076	0.0028	0.145	1.00 - 3.00
5A-00127	30141	Th-229	0.0081	0.012	0.0042	0.145	0.00 - 0.50
5A-00127	30086	Np-239	0.015 U	0.088	0.026	0.139	1.00 - 3.00
5A-00127	30141	Np-239	0.028 U	0.078	0.024	0.139	0.00 - 0.50
5A-00127	30086	Cs-134	-0.006 U	0.052	0.016	0.0864	1.00 - 3.00
5A-00127	30141	Cs-134	0.006 U	0.052	0.0063	0.0864	0.00 - 0.50
5A-00127	30086	Te-125m	0.0377 SK	0.0098	0.0031	0.0838	1.00 - 3.00
5A-00127	30141	Te-125m	0.0316 SK	0.0079	0.0024	0.0838	0.00 - 0.50
5A-00127	30086	Eu-152	0.014 U L	0.04	0.012	0.0566	1.00 - 3.00
5A-00127	30141	Eu-152	0.011 U	0.028	0.0075	0.0566	0.00 - 0.50
5A-00127	30086	Np-236	-0.0063 U	0.029	0.0087	0.047	1.00 - 3.00
5A-00127	30141	Np-236	-0.0026 U	0.027	0.0083	0.047	0.00 - 0.50
5A-00127	30086	Am-241	-0.0012 U	0.009	0.0012	0.0454	1.00 - 3.00
5A-00127	30141	Am-241	0 U	0.0086	0.0016	0.0454	0.00 - 0.50
5A-00127	30086	Cm-243/244	0.0012 U	0.011	0.0027	0.0443	1.00 - 3.00
5A-00127	30141	Cm-243/244	-0.0024 U	0.011	0.0017	0.0443	0.00 - 0.50
5A-00127	30086	Ho-166m	0.0026 U	0.026	0.003	0.0432	1.00 - 3.00
5A-00127	30141	Ho-166m	0.0051 U	0.02	0.0037	0.0432	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00127	30086	Pu-238	-0.0003 U	0.007	0.0014	0.0415	1.00 - 3.00
5A-00127	30141	Pu-238	0.0047	0.0052	0.0022	0.0415	0.00 - 0.50
5A-00127	30086	Pu-239/240	0.0018	0.0045	0.0014	0.0404	1.00 - 3.00
5A-00127	30141	Pu-239/240	0.003	0.0052	0.0018	0.0404	0.00 - 0.50
5A-00127	30086	Cm-245/246	0.0028	0.0038	0.002	0.0401	1.00 - 3.00
5A-00127	30141	Cm-245/246	0.0011 U	0.01	0.0024	0.0401	0.00 - 0.50
5A-00127	30086	Na-22	-0.0082 U	0.026	0.0079	0.037	1.00 - 3.00
5A-00127	30141	Na-22	-0.005 U	0.021	0.013	0.037	0.00 - 0.50
5A-00127	30086	Pu-244	0.0008 U	0.002	0.0008	0.0313	1.00 - 3.00
5A-00127	30141	Pu-244	0.0009 U	0.0023	0.0009	0.0313	0.00 - 0.50
5A-00127	30086	Cm-247/248	0.0033	0.0083	0.0026	0.0306	1.00 - 3.00
5A-00127	30141	Cm-247/248	0.0011 U	0.0029	0.0011	0.0306	0.00 - 0.50
5A-00127	30086	Co-60	-0.0061 U	0.02	0.006	0.028	1.00 - 3.00
5A-00127	30141	Co-60	0.0047 U	0.015	0.0046	0.028	0.00 - 0.50
5A-00127	30086	Sn-126	-0.0014 U	0.017	0.0051	0.0237	1.00 - 3.00
5A-00127	30141	Sn-126	-0.0015 U	0.011	0.0033	0.0237	0.00 - 0.50
5A-00127	30086	Nb-94	0.0044 U	0.015	0.0045	0.0214	1.00 - 3.00
5A-00127	30141	Nb-94	0.0053 U	0.011	0.0035	0.0214	0.00 - 0.50
5A-00128	30142	Cd-113m	2.1 U	30	9	3030	1.00 - 5.00
5A-00128	30142	Tm-171	-3.7 U	4.3	1.9	72.4	1.00 - 5.00
5A-00128	30142	K-40	19.9	0.1	1	32.4	1.00 - 5.00
5A-00128	30142	Ni-59	0 U	0.21	0.075	8.39	1.00 - 5.00
5A-00128	30142	Ni-63	0.23 U	0.72	0.22	4.92	1.00 - 5.00
5A-00128	30142	Th-228	1.31	0.018	0.064	3.98	1.00 - 5.00
5A-00128	30142	Th-234	1.36 R	0.12	0.093	3.19	1.00 - 5.00
5A-00128	30142	Th-232	1.31	0.002	0.064	3.1	1.00 - 5.00
5A-00128	30142	C-14	0.0186	0.028	0.0087	2.96	1.00 - 5.00
5A-00128	30142	Pb-212	1.54	0.02	0.1	2.69	1.00 - 5.00
5A-00128	30142	Th-230	0.965	0.006	0.05	2.2	1.00 - 5.00
5A-00128	30142	Bi-212	0.966	0.1	0.077	2.15	1.00 - 5.00
5A-00128	30142	U-233/234	0.742	0.008	0.042	2.02	1.00 - 5.00
5A-00128	30142	U-238	0.717	0.003	0.041	1.8	1.00 - 5.00
5A-00128	30142	Pb-214	0.786	0.02	0.043	1.7	1.00 - 5.00
5A-00128	30142	Tc-99	-0.042 U	0.29	0.088	1.63	1.00 - 5.00
5A-00128	30142	Bi-214	0.696	0.018	0.038	1.59	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00128	30142	Tl-208	0.455	0.014	0.025	0.937	1.00 - 5.00
5A-00128	30142	Pa-231	-0.003 U	0.44	0.13	0.936	1.00 - 5.00
5A-00128	30142	Sr-90	0.018 U	0.055	0.017	0.485	1.00 - 5.00
5A-00128	30142	Sb-125	0.143 JSK	0.03	0.011	0.354	1.00 - 5.00
5A-00128	30142	Eu-155	0.074 SK	0.027	0.012	0.231	1.00 - 5.00
5A-00128	30142	Ac-227	0.077	0.076	0.018	0.217	1.00 - 5.00
5A-00128	30142	Cs-137	0.0349	0.0089	0.0046	0.207	1.00 - 5.00
5A-00128	30142	U-235/236	0.0352	0.0035	0.0069	0.151	1.00 - 5.00
5A-00128	30142	Eu-154	-0.021 U	0.069	0.021	0.15	1.00 - 5.00
5A-00128	30142	Th-229	0.0038	0.0069	0.0023	0.145	1.00 - 5.00
5A-00128	30142	Np-239	-0.005 U	0.067	0.02	0.139	1.00 - 5.00
5A-00128	30142	Cs-134	0.0091 U	0.035	0.0027	0.0864	1.00 - 5.00
5A-00128	30142	Te-125m	0.033 JSK	0.007	0.0026	0.0838	1.00 - 5.00
5A-00128	30142	Eu-152	0 U	0.029	0.0086	0.0566	1.00 - 5.00
5A-00128	30142	Np-236	-0.0066 U	0.023	0.0071	0.047	1.00 - 5.00
5A-00128	30142	Am-241	0 U	0.01	0.0022	0.0454	1.00 - 5.00
5A-00128	30142	Cm-243/244	0.0011 U	0.01	0.0024	0.0443	1.00 - 5.00
5A-00128	30142	Ho-166m	0.0062 U R	0.018	0.0078	0.0432	1.00 - 5.00
5A-00128	30142	Pu-238	0.0021	0.0051	0.0016	0.0415	1.00 - 5.00
5A-00128	30142	Pu-239/240	0.0026	0.0023	0.0015	0.0404	1.00 - 5.00
5A-00128	30142	Cm-245/246	0 U	0.0073	0.0014	0.0401	1.00 - 5.00
5A-00128	30142	Na-22	-0.003 U	0.02	0.12	0.037	1.00 - 5.00
5A-00128	30142	Pu-244	0.0017	0.0023	0.0012	0.0313	1.00 - 5.00
5A-00128	30142	Cm-247/248	0.002 U	0.0026	0.0014	0.0306	1.00 - 5.00
5A-00128	30142	Co-60	0.0038 U	0.014	0.0033	0.028	1.00 - 5.00
5A-00128	30142	Sn-126	-0.0027 U	0.011	0.0034	0.0237	1.00 - 5.00
5A-00128	30142	Nb-94	0.0112 SK	0.0071	0.0031	0.0214	1.00 - 5.00
5A-00129	30087	Cd-113m	-8 U	37	11	3030	1.00 - 5.00
5A-00129	30087	Tm-171	-1.8 U J	5.7	1.7	72.4	1.00 - 5.00
5A-00129	30087	K-40	22.6	0.2	1.2	32.4	1.00 - 5.00
5A-00129	30087	Ni-59	0 U	0.19	0.067	8.39	1.00 - 5.00
5A-00129	30087	Ni-63	0.2 U	0.58	0.18	4.92	1.00 - 5.00
5A-00129	30087	Th-228	1.35	0.022	0.068	3.98	1.00 - 5.00
5A-00129	30087	Th-234	1.65 R	0.14	0.11	3.19	1.00 - 5.00
5A-00129	30087	Th-232	1.36	0.012	0.068	3.1	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00129	30087	C-14	0.0131	0.023	0.007	2.96	1.00 - 5.00
5A-00129	30087	Pb-212	1.74	0.02	0.11	2.69	1.00 - 5.00
5A-00129	30087	Th-230	0.959	0.003	0.051	2.2	1.00 - 5.00
5A-00129	30087	Bi-212	1.22	0.11	0.091	2.15	1.00 - 5.00
5A-00129	30087	U-233/234	0.725	0.011	0.042	2.02	1.00 - 5.00
5A-00129	30087	U-238	0.705	0.009	0.041	1.8	1.00 - 5.00
5A-00129	30087	Pb-214	0.914	0.026	0.05	1.7	1.00 - 5.00
5A-00129	30087	Tc-99	-0.084 U	0.3	0.089	1.63	1.00 - 5.00
5A-00129	30087	Bi-214	0.785	0.024	0.043	1.59	1.00 - 5.00
5A-00129	30087	Tl-208	0.518	0.018	0.029	0.937	1.00 - 5.00
5A-00129	30087	Pa-231	-0.14 U	0.54	0.16	0.936	1.00 - 5.00
5A-00129	30087	Sr-90	0.018 U	0.039	0.012	0.485	1.00 - 5.00
5A-00129	30087	Sb-125	0.157 SK	0.037	0.013	0.354	1.00 - 5.00
5A-00129	30087	Eu-155	0.078 SK	0.03	0.012	0.231	1.00 - 5.00
5A-00129	30087	Ac-227	0.028 U	0.09	0.036	0.217	1.00 - 5.00
5A-00129	30087	Cs-137	0.0461	0.011	0.0055	0.207	1.00 - 5.00
5A-00129	30087	U-235/236	0.0318	0.0039	0.0069	0.151	1.00 - 5.00
5A-00129	30087	Eu-154	0.016 U	0.087	0.013	0.15	1.00 - 5.00
5A-00129	30087	Th-229	0.0107	0.0083	0.0036	0.145	1.00 - 5.00
5A-00129	30087	Np-239	0.023 U	0.081	0.024	0.139	1.00 - 5.00
5A-00129	30087	Cs-134	0.0094 U	0.047	0.0027	0.0864	1.00 - 5.00
5A-00129	30087	Te-125m	0.0363 SK	0.0085	0.003	0.0838	1.00 - 5.00
5A-00129	30087	Eu-152	-0.009 U	0.034	0.01	0.0566	1.00 - 5.00
5A-00129	30087	Np-236	0.0058 U	0.023	0.0069	0.047	1.00 - 5.00
5A-00129	30087	Am-241	0.0026	0.0023	0.0015	0.0454	1.00 - 5.00
5A-00129	30087	Cm-243/244	0.0009 U	0.0023	0.0009	0.0443	1.00 - 5.00
5A-00129	30087	Ho-166m	-0.0025 U	0.021	0.0063	0.0432	1.00 - 5.00
5A-00129	30087	Pu-238	0.0012 U	0.0049	0.0013	0.0415	1.00 - 5.00
5A-00129	30087	Pu-239/240	0.0012 U	0.0049	0.0013	0.0404	1.00 - 5.00
5A-00129	30087	Cm-245/246	0.0016 U	0.015	0.0034	0.0401	1.00 - 5.00
5A-00129	30087	Na-22	0.0043 U	0.017	0.0052	0.037	1.00 - 5.00
5A-00129	30087	Pu-244	0.0033	0.0022	0.0016	0.0313	1.00 - 5.00
5A-00129	30087	Cm-247/248	-0.0012 U	0.012	0.0012	0.0306	1.00 - 5.00
5A-00129	30087	Co-60	-0.0006 U	0.017	0.0017	0.028	1.00 - 5.00
5A-00129	30087	Sn-126	0.0043 U	0.013	0.004	0.0237	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00129	30087	Nb-94	0.0046 U	0.012	0.0036	0.0214	1.00 - 5.00
5A-00130	30143	Cd-113m	11 U	33	10	3030	1.00 - 5.00
5A-00130	30143	Tm-171	0.1 U J	5.7	1.7	72.4	1.00 - 5.00
5A-00130	30143	K-40	21.4	0.2	1.1	32.4	1.00 - 5.00
5A-00130	30143	Ni-59	0 U	0.2	0.046	8.39	1.00 - 5.00
5A-00130	30143	Ni-63	-0.04 U	0.61	0.18	4.92	1.00 - 5.00
5A-00130	30143	Th-228	1.34	0.017	0.068	3.98	1.00 - 5.00
5A-00130	30143	Th-234	1.54 R	0.14	0.11	3.19	1.00 - 5.00
5A-00130	30143	Th-232	1.41	0.003	0.071	3.1	1.00 - 5.00
5A-00130	30143	C-14	-0.0007 U	0.028	0.0082	2.96	1.00 - 5.00
5A-00130	30143	Pb-212	1.69	0.02	0.11	2.69	1.00 - 5.00
5A-00130	30143	Th-230	1	0.013	0.054	2.2	1.00 - 5.00
5A-00130	30143	Bi-212	1.01	0.11	0.082	2.15	1.00 - 5.00
5A-00130	30143	U-233/234	0.728	0.003	0.04	2.02	1.00 - 5.00
5A-00130	30143	U-238	0.773	0.003	0.042	1.8	1.00 - 5.00
5A-00130	30143	Pb-214	0.907	0.024	0.05	1.7	1.00 - 5.00
5A-00130	30143	Tc-99	-0.097 U	0.31	0.093	1.63	1.00 - 5.00
5A-00130	30143	Bi-214	0.794	0.022	0.043	1.59	1.00 - 5.00
5A-00130	30143	Tl-208	0.501	0.015	0.027	0.937	1.00 - 5.00
5A-00130	30143	Pa-231	0.007 U	0.51	0.15	0.936	1.00 - 5.00
5A-00130	30143	Sr-90	0.027	0.037	0.012	0.485	1.00 - 5.00
5A-00130	30143	Sb-125	0.151 SK	0.028	0.012	0.354	1.00 - 5.00
5A-00130	30143	Eu-155	0.0405 L	0.03	0.0097	0.231	1.00 - 5.00
5A-00130	30143	Ac-227	0.087	0.088	0.02	0.217	1.00 - 5.00
5A-00130	30143	Cs-137	0.0048	0.0079	0.003	0.207	1.00 - 5.00
5A-00130	30143	U-235/236	0.0283	0.0032	0.0059	0.151	1.00 - 5.00
5A-00130	30143	Eu-154	0.0002 U	0.079	0.024	0.15	1.00 - 5.00
5A-00130	30143	Th-229	0.0052	0.012	0.0037	0.145	1.00 - 5.00
5A-00130	30143	Np-239	0.015 U	0.071	0.021	0.139	1.00 - 5.00
5A-00130	30143	Cs-134	-0.006 U	0.038	0.011	0.0864	1.00 - 5.00
5A-00130	30143	Te-125m	0.0349 SK	0.0064	0.0028	0.0838	1.00 - 5.00
5A-00130	30143	Eu-152	-0.0101 U	0.032	0.0096	0.0566	1.00 - 5.00
5A-00130	30143	Np-236	-0.0063 U	0.028	0.0084	0.047	1.00 - 5.00
5A-00130	30143	Am-241	0.0013 U	0.0062	0.0016	0.0454	1.00 - 5.00
5A-00130	30143	Cm-243/244	0.0007 U	0.0018	0.0007	0.0443	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00130	30143	Ho-166m	-0.0048 U	0.02	0.006	0.0432	1.00 - 5.00
5A-00130	30143	Pu-238	0.0053	0.0043	0.0021	0.0415	1.00 - 5.00
5A-00130	30143	Pu-239/240	0.0017	0.0042	0.0013	0.0404	1.00 - 5.00
5A-00130	30143	Cm-245/246	0 U	0.0025	0.0009	0.0401	1.00 - 5.00
5A-00130	30143	Na-22	0.001 U	0.013	0.0039	0.037	1.00 - 5.00
5A-00130	30143	Pu-244	0.0043	0.0019	0.0018	0.0313	1.00 - 5.00
5A-00130	30143	Cm-247/248	0 U	0.0067	0.0013	0.0306	1.00 - 5.00
5A-00130	30143	Co-60	-0.0027 U	0.015	0.0045	0.028	1.00 - 5.00
5A-00130	30143	Sn-126	0.0009 U	0.013	0.0038	0.0237	1.00 - 5.00
5A-00130	30143	Nb-94	0.0012 U	0.01	0.0031	0.0214	1.00 - 5.00
5A-00131	30144	Cd-113m	12 U	37	11	3030	0.00 - 0.50
5A-00131	30145	Cd-113m	-5.4 U	31	9.5	3030	1.00 - 5.00
5A-00131	30144	Tm-171	-0.09 U J	6.3	1.9	72.4	0.00 - 0.50
5A-00131	30145	Tm-171	-3.2 U J	4.4	1.4	72.4	1.00 - 5.00
5A-00131	30144	K-40	20.6	0.1	1	32.4	0.00 - 0.50
5A-00131	30145	K-40	21.3	0.1	1.1	32.4	1.00 - 5.00
5A-00131	30144	Ni-59	0 U	0.56	0.14	8.39	0.00 - 0.50
5A-00131	30145	Ni-59	0 U	0.42	0.09	8.39	1.00 - 5.00
5A-00131	30144	Ni-63	0.26 U	0.75	0.22	4.92	0.00 - 0.50
5A-00131	30145	Ni-63	0.16 U	0.67	0.2	4.92	1.00 - 5.00
5A-00131	30144	Th-228	1.28	0.016	0.064	3.98	0.00 - 0.50
5A-00131	30145	Th-228	1.3	0.015	0.066	3.98	1.00 - 5.00
5A-00131	30144	Th-234	1.43 R	0.14	0.095	3.19	0.00 - 0.50
5A-00131	30145	Th-234	1.45 R	0.12	0.097	3.19	1.00 - 5.00
5A-00131	30144	Th-232	1.24	0.007	0.062	3.1	0.00 - 0.50
5A-00131	30145	Th-232	1.31	0.007	0.066	3.1	1.00 - 5.00
5A-00131	30144	C-14	0.061	0.056	0.018	2.96	0.00 - 0.50
5A-00131	30145	C-14	0.001 U	0.025	0.0074	2.96	1.00 - 5.00
5A-00131	30144	Pb-212	1.68	0.024	0.094	2.69	0.00 - 0.50
5A-00131	30145	Pb-212	1.64	0.02	0.11	2.69	1.00 - 5.00
5A-00131	30144	Th-230	0.915	0.002	0.048	2.2	0.00 - 0.50
5A-00131	30145	Th-230	0.922	0.003	0.049	2.2	1.00 - 5.00
5A-00131	30144	Bi-212	1.11	0.13	0.087	2.15	0.00 - 0.50
5A-00131	30145	Bi-212	1.02	0.097	0.075	2.15	1.00 - 5.00
5A-00131	30144	U-233/234	0.707	0.01	0.04	2.02	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00131	30145	U-233/234	0.695	0.003	0.039	2.02	1.00 - 5.00
5A-00131	30144	U-238	0.746	0.008	0.042	1.8	0.00 - 0.50
5A-00131	30145	U-238	0.644	0.003	0.037	1.8	1.00 - 5.00
5A-00131	30144	Pb-214	0.926	0.024	0.048	1.7	0.00 - 0.50
5A-00131	30145	Pb-214	0.851	0.019	0.046	1.7	1.00 - 5.00
5A-00131	30144	Tc-99	0.037 U	0.29	0.087	1.63	0.00 - 0.50
5A-00131	30145	Tc-99	0.038 U	0.27	0.082	1.63	1.00 - 5.00
5A-00131	30144	Bi-214	0.84	0.025	0.044	1.59	0.00 - 0.50
5A-00131	30145	Bi-214	0.748	0.018	0.04	1.59	1.00 - 5.00
5A-00131	30144	Tl-208	0.502 J	0.02	0.028	0.937	0.00 - 0.50
5A-00131	30145	Tl-208	0.469 J	0.013	0.026	0.937	1.00 - 5.00
5A-00131	30144	Pa-231	-0.12 U	0.58	0.17	0.936	0.00 - 0.50
5A-00131	30145	Pa-231	-0.12 U	0.45	0.14	0.936	1.00 - 5.00
5A-00131	30144	Sr-90	0.017 U	0.048	0.014	0.485	0.00 - 0.50
5A-00131	30145	Sr-90	0.029	0.048	0.015	0.485	1.00 - 5.00
5A-00131	30144	Sb-125	0.14 SK	0.045	0.012	0.354	0.00 - 0.50
5A-00131	30145	Sb-125	0.141 SK	0.031	0.011	0.354	1.00 - 5.00
5A-00131	30144	Eu-155	0.065 SK	0.033	0.013	0.231	0.00 - 0.50
5A-00131	30145	Eu-155	0.073 SK	0.027	0.012	0.231	1.00 - 5.00
5A-00131	30144	Ac-227	0.044 U	0.11	0.02	0.217	0.00 - 0.50
5A-00131	30145	Ac-227	0.043 U	0.11	0.014	0.217	1.00 - 5.00
5A-00131	30144	Cs-137	0.0239	0.018	0.0074	0.207	0.00 - 0.50
5A-00131	30145	Cs-137	0.0164	0.0089	0.0041	0.207	1.00 - 5.00
5A-00131	30144	U-235/236	0.0277	0.0036	0.0062	0.151	0.00 - 0.50
5A-00131	30145	U-235/236	0.0389	0.0087	0.0072	0.151	1.00 - 5.00
5A-00131	30144	Eu-154	-0.039 U	0.1	0.031	0.15	0.00 - 0.50
5A-00131	30145	Eu-154	0.027 U	0.062	0.019	0.15	1.00 - 5.00
5A-00131	30144	Th-229	0.0065	0.0025	0.0025	0.145	0.00 - 0.50
5A-00131	30145	Th-229	0.0026	0.0064	0.002	0.145	1.00 - 5.00
5A-00131	30144	Np-239	-0.006 U	0.072	0.022	0.139	0.00 - 0.50
5A-00131	30145	Np-239	-0.007 U	0.069	0.021	0.139	1.00 - 5.00
5A-00131	30144	Cs-134	-0.0363 U J	0.019	0.0064	0.0864	0.00 - 0.50
5A-00131	30145	Cs-134	0.012 U	0.037	0.0025	0.0864	1.00 - 5.00
5A-00131	30144	Te-125m	0.0322 SK	0.01	0.0028	0.0838	0.00 - 0.50
5A-00131	30145	Te-125m	0.0326 SK	0.0071	0.0024	0.0838	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00131	30144	Eu-152	-0.003 U	0.038	0.011	0.0566	0.00 - 0.50
5A-00131	30145	Eu-152	-0.0051 U	0.029	0.0088	0.0566	1.00 - 5.00
5A-00131	30144	Np-236	0.0012 U	0.02	0.006	0.047	0.00 - 0.50
5A-00131	30145	Np-236	-0.0025 U	0.018	0.0055	0.047	1.00 - 5.00
5A-00131	30144	Am-241	0.0036	0.0097	0.0029	0.0454	0.00 - 0.50
5A-00131	30145	Am-241	0.0007 U	0.0051	0.0012	0.0454	1.00 - 5.00
5A-00131	30144	Cm-243/244	-0.0028 U	0.0099	0.0016	0.0443	0.00 - 0.50
5A-00131	30145	Cm-243/244	-0.0007 U	0.0076	0.0016	0.0443	1.00 - 5.00
5A-00131	30144	Ho-166m	0.0069 U J	0.025	0.0071	0.0432	0.00 - 0.50
5A-00131	30145	Ho-166m	0.0066 U J	0.018	0.0059	0.0432	1.00 - 5.00
5A-00131	30144	Pu-238	0.0014	0.0034	0.001	0.0415	0.00 - 0.50
5A-00131	30145	Pu-238	0.002	0.0018	0.0011	0.0415	1.00 - 5.00
5A-00131	30144	Pu-239/240	0.0005 U	0.0012	0.0005	0.0404	0.00 - 0.50
5A-00131	30145	Pu-239/240	0.0019	0.0018	0.0011	0.0404	1.00 - 5.00
5A-00131	30144	Cm-245/246	0.0009 U	0.0025	0.0009	0.0401	0.00 - 0.50
5A-00131	30145	Cm-245/246	0.0017 U	0.0023	0.0012	0.0401	1.00 - 5.00
5A-00131	30144	Na-22	0.001 U	0.021	0.0063	0.037	0.00 - 0.50
5A-00131	30145	Na-22	-0.0043 U	0.018	0.0055	0.037	1.00 - 5.00
5A-00131	30144	Pu-244	0 U	0.0012	0.0005	0.0313	0.00 - 0.50
5A-00131	30145	Pu-244	0.0039	0.0018	0.0016	0.0313	1.00 - 5.00
5A-00131	30144	Cm-247/248	0 U	0.0025	0.0009	0.0306	0.00 - 0.50
5A-00131	30145	Cm-247/248	0 U	0.0023	0.0008	0.0306	1.00 - 5.00
5A-00131	30144	Co-60	-0.0073 U	0.02	0.006	0.028	0.00 - 0.50
5A-00131	30145	Co-60	-0.003 U	0.014	0.0043	0.028	1.00 - 5.00
5A-00131	30144	Sn-126	0.0044 U	0.016	0.0049	0.0237	0.00 - 0.50
5A-00131	30145	Sn-126	0.0025 U	0.011	0.0033	0.0237	1.00 - 5.00
5A-00131	30144	Nb-94	0.0015 U	0.014	0.0042	0.0214	0.00 - 0.50
5A-00131	30145	Nb-94	0.0037 U	0.01	0.0031	0.0214	1.00 - 5.00
5A-00132	30146	Cd-113m	0.04 U	36	11	3030	0.00 - 0.50
5A-00132	30147	Cd-113m	9.8 U	31	9.4	3030	1.00 - 3.00
5A-00132	30146	Tm-171	-2 U	6.5	2	72.4	0.00 - 0.50
5A-00132	30147	Tm-171	-0.3 U	5.4	1.6	72.4	1.00 - 3.00
5A-00132	30146	K-40	20.6	0.1	1	32.4	0.00 - 0.50
5A-00132	30147	K-40	20.4	0.1	1	32.4	1.00 - 3.00
5A-00132	30146	Ni-59	0 U	0.17	0.044	8.39	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00132	30147	Ni-59	0 U	0.2	0.066	8.39	1.00 - 3.00
5A-00132	30146	Ni-63	-0.03 U	0.72	0.21	4.92	0.00 - 0.50
5A-00132	30147	Ni-63	0.47	0.61	0.19	4.92	1.00 - 3.00
5A-00132	30146	Th-228	1.42	0.024	0.075	3.98	0.00 - 0.50
5A-00132	30147	Th-228	1.46	0.018	0.075	3.98	1.00 - 3.00
5A-00132	30146	Th-234	0.436 R	0.15	0.052	3.19	0.00 - 0.50
5A-00132	30147	Th-234	1.7 R	0.13	0.11	3.19	1.00 - 3.00
5A-00132	30146	Th-232	1.4	0.004	0.073	3.1	0.00 - 0.50
5A-00132	30147	Th-232	1.47	0.011	0.075	3.1	1.00 - 3.00
5A-00132	30146	C-14	0.02	0.039	0.012	2.96	0.00 - 0.50
5A-00132	30147	C-14	0.0103 U	0.023	0.0069	2.96	1.00 - 3.00
5A-00132	30146	Pb-212	1.74	0.024	0.097	2.69	0.00 - 0.50
5A-00132	30147	Pb-212	1.76	0.02	0.11	2.69	1.00 - 3.00
5A-00132	30146	Th-230	1.08	0.004	0.06	2.2	0.00 - 0.50
5A-00132	30147	Th-230	1.1	0.011	0.059	2.2	1.00 - 3.00
5A-00132	30146	Bi-212	1.04	0.15	0.097	2.15	0.00 - 0.50
5A-00132	30147	Bi-212	1.2	0.1	0.087	2.15	1.00 - 3.00
5A-00132	30146	U-233/234	0.928 J	0.011	0.054	2.02	0.00 - 0.50
5A-00132	30147	U-233/234	1.13 J	0.019	0.072	2.02	1.00 - 3.00
5A-00132	30146	U-238	0.895 J	0.014	0.053	1.8	0.00 - 0.50
5A-00132	30147	U-238	1.11 J	0.024	0.071	1.8	1.00 - 3.00
5A-00132	30146	Pb-214	0.896	0.025	0.046	1.7	0.00 - 0.50
5A-00132	30147	Pb-214	0.876	0.022	0.048	1.7	1.00 - 3.00
5A-00132	30146	Tc-99	0.027 U	0.26	0.078	1.63	0.00 - 0.50
5A-00132	30147	Tc-99	-0.002 U	0.26	0.08	1.63	1.00 - 3.00
5A-00132	30146	Bi-214	0.81	0.025	0.043	1.59	0.00 - 0.50
5A-00132	30147	Bi-214	0.761	0.018	0.041	1.59	1.00 - 3.00
5A-00132	30146	Tl-208	0.547	0.018	0.029	0.937	0.00 - 0.50
5A-00132	30147	Tl-208	0.537	0.014	0.029	0.937	1.00 - 3.00
5A-00132	30146	Pa-231	-0.25 U	0.6	0.18	0.936	0.00 - 0.50
5A-00132	30147	Pa-231	0.01 U	0.43	0.13	0.936	1.00 - 3.00
5A-00132	30146	Sr-90	-0.0053 U	0.034	0.0095	0.485	0.00 - 0.50
5A-00132	30147	Sr-90	0.0072 U	0.03	0.0088	0.485	1.00 - 3.00
5A-00132	30146	Sb-125	0.11 SK	0.043	0.0099	0.354	0.00 - 0.50
5A-00132	30147	Sb-125	0.162 SK	0.033	0.012	0.354	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00132	30146	Eu-155	0.098 SK	0.032	0.014	0.231	0.00 - 0.50
5A-00132	30147	Eu-155	0.073 SK	0.028	0.012	0.231	1.00 - 3.00
5A-00132	30146	Ac-227	0.032 U	0.14	0.046	0.217	0.00 - 0.50
5A-00132	30147	Ac-227	0.391 RZ	0.11	0.025	0.217	1.00 - 3.00
5A-00132	30146	Cs-137	0.022	0.01	0.0043	0.207	0.00 - 0.50
5A-00132	30147	Cs-137	0.0077	0.0089	0.0028	0.207	1.00 - 3.00
5A-00132	30146	U-235/236	0.053 J	0.014	0.011	0.151	0.00 - 0.50
5A-00132	30147	U-235/236	0.042 J	0.009	0.012	0.151	1.00 - 3.00
5A-00132	30146	Eu-154	-0.001 U	0.11	0.0007	0.15	0.00 - 0.50
5A-00132	30147	Eu-154	-0.029 U	0.079	0.024	0.15	1.00 - 3.00
5A-00132	30146	Th-229	0.0086	0.009	0.0037	0.145	0.00 - 0.50
5A-00132	30147	Th-229	0.0139	0.017	0.0058	0.145	1.00 - 3.00
5A-00132	30146	Np-239	0.021 U	0.086	0.026	0.139	0.00 - 0.50
5A-00132	30147	Np-239	-0.023 U	0.074	0.022	0.139	1.00 - 3.00
5A-00132	30146	Cs-134	0.0109 U	0.051	0.0048	0.0864	0.00 - 0.50
5A-00132	30147	Cs-134	0.0173 U	0.041	0.0037	0.0864	1.00 - 3.00
5A-00132	30146	Te-125m	0.0254 SK	0.01	0.0023	0.0838	0.00 - 0.50
5A-00132	30147	Te-125m	0.0374 SK	0.0077	0.0028	0.0838	1.00 - 3.00
5A-00132	30146	Eu-152	0.0014 U	0.04	0.002	0.0566	0.00 - 0.50
5A-00132	30147	Eu-152	-0.015 U	0.027	0.0083	0.0566	1.00 - 3.00
5A-00132	30146	Np-236	0.0009 U	0.03	0.0092	0.047	0.00 - 0.50
5A-00132	30147	Np-236	0.0007 U	0.023	0.007	0.047	1.00 - 3.00
5A-00132	30146	Am-241	0.0021 U	0.0076	0.0021	0.0454	0.00 - 0.50
5A-00132	30147	Am-241	0 U	0.01	0.0024	0.0454	1.00 - 3.00
5A-00132	30146	Cm-243/244	0.0021 U	0.0077	0.0021	0.0443	0.00 - 0.50
5A-00132	30147	Cm-243/244	0 U	0.0081	0.0017	0.0443	1.00 - 3.00
5A-00132	30146	Ho-166m	0.0093 U	0.022	0.0036	0.0432	0.00 - 0.50
5A-00132	30147	Ho-166m	0.0025 U J	0.019	0.0037	0.0432	1.00 - 3.00
5A-00132	30146	Pu-238	0.001 U	0.0026	0.001	0.0415	0.00 - 0.50
5A-00132	30147	Pu-238	0.003	0.0077	0.0016	0.0415	1.00 - 3.00
5A-00132	30146	Pu-239/240	0.0009 U	0.0026	0.001	0.0404	0.00 - 0.50
5A-00132	30147	Pu-239/240	0.0008 U	0.002	0.0008	0.0404	1.00 - 3.00
5A-00132	30146	Cm-245/246	-0.0009 U	0.0087	0.0016	0.0401	0.00 - 0.50
5A-00132	30147	Cm-245/246	0.002 U	0.0027	0.0014	0.0401	1.00 - 3.00
5A-00132	30146	Na-22	0.0105 U	0.024	0.0072	0.037	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00132	30147	Na-22	-0.0001 U	0.018	0.0055	0.037	1.00 - 3.00
5A-00132	30146	Pu-244	0.0009 U	0.0025	0.0009	0.0313	0.00 - 0.50
5A-00132	30147	Pu-244	0 U	0.002	0.0005	0.0313	1.00 - 3.00
5A-00132	30146	Cm-247/248	0.0018 U	0.0025	0.0013	0.0306	0.00 - 0.50
5A-00132	30147	Cm-247/248	0 U	0.0073	0.0014	0.0306	1.00 - 3.00
5A-00132	30146	Co-60	0.009 K R	0.019	0.0056	0.028	0.00 - 0.50
5A-00132	30147	Co-60	-0.0002 U	0.015	0.0002	0.028	1.00 - 3.00
5A-00132	30146	Sn-126	0.0026 U	0.016	0.0048	0.0237	0.00 - 0.50
5A-00132	30147	Sn-126	-0.0001 U	0.012	0.0037	0.0237	1.00 - 3.00
5A-00132	30146	Nb-94	0.0128 SK	0.011	0.0051	0.0214	0.00 - 0.50
5A-00132	30147	Nb-94	0.004 U	0.011	0.0023	0.0214	1.00 - 3.00
5A-00133	30148	Cd-113m	23	43	13	3030	0.00 - 0.50
5A-00133	30149	Cd-113m	-4 U	35	10	3030	1.00 - 5.00
5A-00133	30148	Tm-171	-8.6 U J	6.3	2	72.4	0.00 - 0.50
5A-00133	30149	Tm-171	-2.8 U	5.6	1.7	72.4	1.00 - 5.00
5A-00133	30148	K-40	22.2	0.2	1.1	32.4	0.00 - 0.50
5A-00133	30149	K-40	21.1	0.1	1.1	32.4	1.00 - 5.00
5A-00133	30148	Ni-59	0 U	0.44	0.1	8.39	0.00 - 0.50
5A-00133	30149	Ni-59	0 U	0.21	0.085	8.39	1.00 - 5.00
5A-00133	30148	Ni-63	0.05 U	0.7	0.21	4.92	0.00 - 0.50
5A-00133	30149	Ni-63	0.14 U	0.75	0.22	4.92	1.00 - 5.00
5A-00133	30148	Th-228	1.33	0.018	0.066	3.98	0.00 - 0.50
5A-00133	30149	Th-228	1.41	0.015	0.069	3.98	1.00 - 5.00
5A-00133	30148	Th-234	0.548 R	0.17	0.06	3.19	0.00 - 0.50
5A-00133	30149	Th-234	1.49 R	0.14	0.1	3.19	1.00 - 5.00
5A-00133	30148	Th-232	1.28	0.006	0.064	3.1	0.00 - 0.50
5A-00133	30149	Th-232	1.35	0.002	0.067	3.1	1.00 - 5.00
5A-00133	30148	C-14	0.017	0.034	0.01	2.96	0.00 - 0.50
5A-00133	30149	C-14	0.0156	0.028	0.0085	2.96	1.00 - 5.00
5A-00133	30148	Pb-212	1.79	0.034	0.089	2.69	0.00 - 0.50
5A-00133	30149	Pb-212	1.55	0.03	0.1	2.69	1.00 - 5.00
5A-00133	30148	Th-230	0.994	0.009	0.052	2.2	0.00 - 0.50
5A-00133	30149	Th-230	1.01	0.009	0.052	2.2	1.00 - 5.00
5A-00133	30148	Bi-212	1.3	0.15	0.1	2.15	0.00 - 0.50
5A-00133	30149	Bi-212	1.08	0.11	0.082	2.15	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00133	30148	U-233/234	0.747	0.011	0.042	2.02	0.00 - 0.50
5A-00133	30149	U-233/234	0.787	0.008	0.044	2.02	1.00 - 5.00
5A-00133	30148	U-238	0.768	0.003	0.043	1.8	0.00 - 0.50
5A-00133	30149	U-238	0.693	0.003	0.04	1.8	1.00 - 5.00
5A-00133	30148	Pb-214	1.12	0.029	0.064	1.7	0.00 - 0.50
5A-00133	30149	Pb-214	0.897	0.024	0.049	1.7	1.00 - 5.00
5A-00133	30148	Tc-99	0.06 U	0.26	0.078	1.63	0.00 - 0.50
5A-00133	30149	Tc-99	-0.021 U	0.28	0.085	1.63	1.00 - 5.00
5A-00133	30148	Bi-214	1.06	0.027	0.055	1.59	0.00 - 0.50
5A-00133	30149	Bi-214	0.788	0.023	0.043	1.59	1.00 - 5.00
5A-00133	30148	Tl-208	0.623 J	0.021	0.033	0.937	0.00 - 0.50
5A-00133	30149	Tl-208	0.49	0.014	0.027	0.937	1.00 - 5.00
5A-00133	30148	Pa-231	-0.12 U	0.6	0.18	0.936	0.00 - 0.50
5A-00133	30149	Pa-231	0.166	0.31	0.091	0.936	1.00 - 5.00
5A-00133	30148	Sr-90	0.016 U	0.045	0.014	0.485	0.00 - 0.50
5A-00133	30149	Sr-90	0.003 U	0.052	0.015	0.485	1.00 - 5.00
5A-00133	30148	Sb-125	0.18 SK	0.046	0.015	0.354	0.00 - 0.50
5A-00133	30149	Sb-125	0.152 JSK	0.035	0.012	0.354	1.00 - 5.00
5A-00133	30148	Eu-155	0.064 SK	0.045	0.014	0.231	0.00 - 0.50
5A-00133	30149	Eu-155	0.089 SK	0.032	0.014	0.231	1.00 - 5.00
5A-00133	30148	Ac-227	-0.008 U	0.15	0.046	0.217	0.00 - 0.50
5A-00133	30149	Ac-227	-0.017 U	0.11	0.034	0.217	1.00 - 5.00
5A-00133	30148	Cs-137	0.0071 U	0.017	0.0053	0.207	0.00 - 0.50
5A-00133	30149	Cs-137	0.0026 U	0.013	0.004	0.207	1.00 - 5.00
5A-00133	30148	U-235/236	0.0392	0.0093	0.0074	0.151	0.00 - 0.50
5A-00133	30149	U-235/236	0.0273	0.0037	0.0062	0.151	1.00 - 5.00
5A-00133	30148	Eu-154	-0.0082 U	0.11	0.0085	0.15	0.00 - 0.50
5A-00133	30149	Eu-154	0.0063 U	0.081	0.0095	0.15	1.00 - 5.00
5A-00133	30148	Th-229	0.0051	0.0062	0.0024	0.145	0.00 - 0.50
5A-00133	30149	Th-229	0.0078	0.0024	0.0026	0.145	1.00 - 5.00
5A-00133	30148	Np-239	-0.002 U	0.088	0.026	0.139	0.00 - 0.50
5A-00133	30149	Np-239	0.012 U	0.054	0.016	0.139	1.00 - 5.00
5A-00133	30148	Cs-134	0.02 U	0.055	0.0052	0.0864	0.00 - 0.50
5A-00133	30149	Cs-134	0.0171 U	0.043	0.0041	0.0864	1.00 - 5.00
5A-00133	30148	Te-125m	0.0416 SK	0.011	0.0036	0.0838	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00133	30149	Te-125m	0.0352 JSK	0.0081	0.0027	0.0838	1.00 - 5.00
5A-00133	30148	Eu-152	-0.02 U	0.041	0.012	0.0566	0.00 - 0.50
5A-00133	30149	Eu-152	-0.016 U	0.03	0.0092	0.0566	1.00 - 5.00
5A-00133	30148	Np-236	0.0016 U	0.032	0.0096	0.047	0.00 - 0.50
5A-00133	30149	Np-236	0.0001 U	0.024	0.0073	0.047	1.00 - 5.00
5A-00133	30148	Am-241	0.0019 U	0.0087	0.0023	0.0454	0.00 - 0.50
5A-00133	30149	Am-241	0.0025	0.006	0.0018	0.0454	1.00 - 5.00
5A-00133	30148	Cm-243/244	0.0029	0.007	0.0021	0.0443	0.00 - 0.50
5A-00133	30149	Cm-243/244	0.0025	0.0061	0.0019	0.0443	1.00 - 5.00
5A-00133	30148	Ho-166m	0.0153 JSK	0.027	0.0094	0.0432	0.00 - 0.50
5A-00133	30149	Ho-166m	0.0065 U R	0.02	0.0043	0.0432	1.00 - 5.00
5A-00133	30148	Pu-238	0.0015	0.0021	0.0011	0.0415	0.00 - 0.50
5A-00133	30149	Pu-238	0.0007 U	0.002	0.0007	0.0415	1.00 - 5.00
5A-00133	30148	Pu-239/240	0.0038	0.0021	0.0017	0.0404	0.00 - 0.50
5A-00133	30149	Pu-239/240	0.0007 U	0.002	0.0007	0.0404	1.00 - 5.00
5A-00133	30148	Cm-245/246	0.001 U	0.0028	0.001	0.0401	0.00 - 0.50
5A-00133	30149	Cm-245/246	0 U	0.0048	0.0011	0.0401	1.00 - 5.00
5A-00133	30148	Na-22	-0.0113 U	0.028	0.0084	0.037	0.00 - 0.50
5A-00133	30149	Na-22	0.019 L R	0.011	0.0049	0.037	1.00 - 5.00
5A-00133	30148	Pu-244	0.0031	0.0021	0.0015	0.0313	0.00 - 0.50
5A-00133	30149	Pu-244	0.0022	0.002	0.0013	0.0313	1.00 - 5.00
5A-00133	30148	Cm-247/248	0.002 U	0.0075	0.002	0.0306	0.00 - 0.50
5A-00133	30149	Cm-247/248	-0.001 U	0.01	0.001	0.0306	1.00 - 5.00
5A-00133	30148	Co-60	0.0041 U	0.019	0.0058	0.028	0.00 - 0.50
5A-00133	30149	Co-60	0.0046 U	0.015	0.0045	0.028	1.00 - 5.00
5A-00133	30148	Sn-126	0.002 U	0.017	0.0052	0.0237	0.00 - 0.50
5A-00133	30149	Sn-126	0.0033 U	0.013	0.0038	0.0237	1.00 - 5.00
5A-00133	30148	Nb-94	0.0039 U	0.016	0.0033	0.0214	0.00 - 0.50
5A-00133	30149	Nb-94	0.0043 U	0.011	0.0034	0.0214	1.00 - 5.00
5A-00134	30150	Cd-113m	12 U	37	11	3030	0.00 - 0.50
5A-00134	30151	Cd-113m	2.6 U	33	9.8	3030	1.00 - 3.50
5A-00134	30150	Tm-171	-2.2 U J	5.7	1.7	72.4	0.00 - 0.50
5A-00134	30151	Tm-171	-1.1 U	5.3	1.6	72.4	1.00 - 3.50
5A-00134	30150	K-40	20.8	0.1	1	32.4	0.00 - 0.50
5A-00134	30151	K-40	19.3	0.14	0.99	32.4	1.00 - 3.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00134	30150	Ni-59	0 U	0.39	0.092	8.39	0.00 - 0.50
5A-00134	30151	Ni-59	0 U	0.21	0.072	8.39	1.00 - 3.50
5A-00134	30150	Ni-63	-0.12 U	0.62	0.18	4.92	0.00 - 0.50
5A-00134	30151	Ni-63	-0.04 U	0.74	0.22	4.92	1.00 - 3.50
5A-00134	30150	Th-228	1.28	0.018	0.064	3.98	0.00 - 0.50
5A-00134	30151	Th-228	1.45	0.015	0.071	3.98	1.00 - 3.50
5A-00134	30150	Th-234	0.391 R	0.14	0.049	3.19	0.00 - 0.50
5A-00134	30151	Th-234	1.46 R	0.13	0.099	3.19	1.00 - 3.50
5A-00134	30150	Th-232	1.25	0.002	0.063	3.1	0.00 - 0.50
5A-00134	30151	Th-232	1.38	0.002	0.067	3.1	1.00 - 3.50
5A-00134	30150	C-14	0.032	0.042	0.013	2.96	0.00 - 0.50
5A-00134	30151	C-14	0.0089 U	0.028	0.0086	2.96	1.00 - 3.50
5A-00134	30150	Pb-212	1.7	0.023	0.095	2.69	0.00 - 0.50
5A-00134	30151	Pb-212	1.56	0.02	0.1	2.69	1.00 - 3.50
5A-00134	30150	Th-230	1.02	0.007	0.053	2.2	0.00 - 0.50
5A-00134	30151	Th-230	1.01	0.008	0.052	2.2	1.00 - 3.50
5A-00134	30150	Bi-212	1.07	0.14	0.098	2.15	0.00 - 0.50
5A-00134	30151	Bi-212	1.04	0.11	0.082	2.15	1.00 - 3.50
5A-00134	30150	U-233/234	0.839	0.009	0.048	2.02	0.00 - 0.50
5A-00134	30151	U-233/234	0.653	0.009	0.039	2.02	1.00 - 3.50
5A-00134	30150	U-238	0.908	0.013	0.051	1.8	0.00 - 0.50
5A-00134	30151	U-238	0.635	0.009	0.038	1.8	1.00 - 3.50
5A-00134	30150	Pb-214	0.931	0.023	0.048	1.7	0.00 - 0.50
5A-00134	30151	Pb-214	0.809	0.022	0.044	1.7	1.00 - 3.50
5A-00134	30150	Tc-99	0.047 U	0.26	0.08	1.63	0.00 - 0.50
5A-00134	30151	Tc-99	-0.025 U	0.27	0.083	1.63	1.00 - 3.50
5A-00134	30150	Bi-214	0.825	0.026	0.044	1.59	0.00 - 0.50
5A-00134	30151	Bi-214	0.73	0.021	0.04	1.59	1.00 - 3.50
5A-00134	30150	Tl-208	0.528 J	0.016	0.028	0.937	0.00 - 0.50
5A-00134	30151	Tl-208	0.481	0.015	0.027	0.937	1.00 - 3.50
5A-00134	30150	Pa-231	-0.02 U	0.56	0.17	0.936	0.00 - 0.50
5A-00134	30151	Pa-231	0.11 U	0.45	0.14	0.936	1.00 - 3.50
5A-00134	30150	Sr-90	0.091	0.048	0.017	0.485	0.00 - 0.50
5A-00134	30151	Sr-90	0.016 U	0.046	0.014	0.485	1.00 - 3.50
5A-00134	30150	Sb-125	0.16 SK	0.039	0.013	0.354	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00134	30151	Sb-125	0.0958 JSK	0.032	0.0079	0.354	1.00 - 3.50
5A-00134	30150	Eu-155	0.074 SK	0.031	0.013	0.231	0.00 - 0.50
5A-00134	30151	Eu-155	0.083 SK	0.03	0.013	0.231	1.00 - 3.50
5A-00134	30150	Ac-227	0.02 U	0.14	0.043	0.217	0.00 - 0.50
5A-00134	30151	Ac-227	0.029 U	0.092	0.016	0.217	1.00 - 3.50
5A-00134	30150	Cs-137	0.0079	0.015	0.0047	0.207	0.00 - 0.50
5A-00134	30151	Cs-137	0.0054 U	0.012	0.0037	0.207	1.00 - 3.50
5A-00134	30150	U-235/236	0.0293	0.0042	0.0068	0.151	0.00 - 0.50
5A-00134	30151	U-235/236	0.0417	0.011	0.0083	0.151	1.00 - 3.50
5A-00134	30150	Eu-154	-0.033 U	0.085	0.026	0.15	0.00 - 0.50
5A-00134	30151	Eu-154	-0.032 U	0.072	0.022	0.15	1.00 - 3.50
5A-00134	30150	Th-229	-0.001 U	0.013	0.003	0.145	0.00 - 0.50
5A-00134	30151	Th-229	0.002 U	0.013	0.0035	0.145	1.00 - 3.50
5A-00134	30150	Np-239	-0.013 U	0.084	0.025	0.139	0.00 - 0.50
5A-00134	30151	Np-239	0.008 U	0.072	0.022	0.139	1.00 - 3.50
5A-00134	30150	Cs-134	0.0143 U	0.049	0.0046	0.0864	0.00 - 0.50
5A-00134	30151	Cs-134	0.0046 U	0.035	0.0072	0.0864	1.00 - 3.50
5A-00134	30150	Te-125m	0.037 SK	0.0091	0.003	0.0838	0.00 - 0.50
5A-00134	30151	Te-125m	0.0221 JSK	0.0074	0.0018	0.0838	1.00 - 3.50
5A-00134	30150	Eu-152	0.0024 U	0.037	0.0027	0.0566	0.00 - 0.50
5A-00134	30151	Eu-152	0.0186 K R	0.029	0.0085	0.0566	1.00 - 3.50
5A-00134	30150	Np-236	-0.0005 U	0.028	0.0084	0.047	0.00 - 0.50
5A-00134	30151	Np-236	-0.0047 U	0.025	0.0077	0.047	1.00 - 3.50
5A-00134	30150	Am-241	0.0036	0.0083	0.0025	0.0454	0.00 - 0.50
5A-00134	30151	Am-241	0.0134	0.007	0.0039	0.0454	1.00 - 3.50
5A-00134	30150	Cm-243/244	0 U	0.0084	0.0018	0.0443	0.00 - 0.50
5A-00134	30151	Cm-243/244	0.001 U	0.0071	0.0017	0.0443	1.00 - 3.50
5A-00134	30150	Ho-166m	0.007 U J	0.023	0.0069	0.0432	0.00 - 0.50
5A-00134	30151	Ho-166m	0.0008 U R	0.016	0.0049	0.0432	1.00 - 3.50
5A-00134	30150	Pu-238	0.0003 U	0.0045	0.0009	0.0415	0.00 - 0.50
5A-00134	30151	Pu-238	0.0023	0.0021	0.0013	0.0415	1.00 - 3.50
5A-00134	30150	Pu-239/240	0.0015	0.0021	0.0011	0.0404	0.00 - 0.50
5A-00134	30151	Pu-239/240	0.0077	0.0021	0.0024	0.0404	1.00 - 3.50
5A-00134	30150	Cm-245/246	0 U	0.0061	0.0012	0.0401	0.00 - 0.50
5A-00134	30151	Cm-245/246	0.0028	0.0038	0.002	0.0401	1.00 - 3.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00134	30150	Na-22	-0.0034 U	0.024	0.0072	0.037	0.00 - 0.50
5A-00134	30151	Na-22	0.0038 U	0.017	0.0052	0.037	1.00 - 3.50
5A-00134	30150	Pu-244	0.0015	0.0021	0.0011	0.0313	0.00 - 0.50
5A-00134	30151	Pu-244	0.0015	0.0021	0.0011	0.0313	1.00 - 3.50
5A-00134	30150	Cm-247/248	-0.0008 U	0.0076	0.0014	0.0306	0.00 - 0.50
5A-00134	30151	Cm-247/248	0.0014 U	0.0038	0.0014	0.0306	1.00 - 3.50
5A-00134	30150	Co-60	-0.0071 U	0.019	0.0057	0.028	0.00 - 0.50
5A-00134	30151	Co-60	0.003 U	0.013	0.0039	0.028	1.00 - 3.50
5A-00134	30150	Sn-126	-0.0043 U	0.015	0.0045	0.0237	0.00 - 0.50
5A-00134	30151	Sn-126	-0.0001 U	0.012	0.0035	0.0237	1.00 - 3.50
5A-00134	30150	Nb-94	0.0016 U	0.014	0.0026	0.0214	0.00 - 0.50
5A-00134	30151	Nb-94	0.0008 U	0.011	0.0032	0.0214	1.00 - 3.50
5A-00135	30152	Cd-113m	3 U	37	11	3030	0.00 - 0.50
5A-00135	30153	Cd-113m	-9 U	39	12	3030	1.00 - 5.00
5A-00135	30152	Tm-171	-0.2 U	6	1.8	72.4	0.00 - 0.50
5A-00135	30153	Tm-171	-1 U	5.8	1.8	72.4	1.00 - 5.00
5A-00135	30152	K-40	20.1	0.13	0.99	32.4	0.00 - 0.50
5A-00135	30153	K-40	20.5	0.1	1	32.4	1.00 - 5.00
5A-00135	30152	Ni-59	0.008 U	0.37	0.11	8.39	0.00 - 0.50
5A-00135	30153	Ni-59	0 U	0.2	0.079	8.39	1.00 - 5.00
5A-00135	30152	Ni-63	0.09 U	0.57	0.17	4.92	0.00 - 0.50
5A-00135	30153	Ni-63	0.29 U	0.71	0.22	4.92	1.00 - 5.00
5A-00135	30152	Th-228	1.7	0.025	0.085	3.98	0.00 - 0.50
5A-00135	30153	Th-228	1.55	0.024	0.077	3.98	1.00 - 5.00
5A-00135	30152	Th-234	1.45 R	0.14	0.097	3.19	0.00 - 0.50
5A-00135	30153	Th-234	0.397 R	0.17	0.057	3.19	1.00 - 5.00
5A-00135	30152	Th-232	1.09	0.008	0.055	3.1	0.00 - 0.50
5A-00135	30153	Th-232	1.54	0.003	0.076	3.1	1.00 - 5.00
5A-00135	30152	C-14	0.0024 U	0.021	0.0063	2.96	0.00 - 0.50
5A-00135	30153	C-14	0.0091 U	0.023	0.007	2.96	1.00 - 5.00
5A-00135	30152	Pb-212	1.64	0.024	0.092	2.69	0.00 - 0.50
5A-00135	30153	Pb-212	1.87	0.02	0.1	2.69	1.00 - 5.00
5A-00135	30152	Th-230	0.942	0.002	0.049	2.2	0.00 - 0.50
5A-00135	30153	Th-230	1	0.008	0.053	2.2	1.00 - 5.00
5A-00135	30152	Bi-212	1.07	0.17	0.11	2.15	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00135	30153	Bi-212	1.12	0.13	0.088	2.15	1.00 - 5.00
5A-00135	30152	U-233/234	0.868 J	0.005	0.053	2.02	0.00 - 0.50
5A-00135	30153	U-233/234	0.334	0.009	0.021	2.02	1.00 - 5.00
5A-00135	30152	U-238	0.967 J	0.005	0.057	1.8	0.00 - 0.50
5A-00135	30153	U-238	0.334	0.002	0.021	1.8	1.00 - 5.00
5A-00135	30152	Pb-214	0.934	0.026	0.048	1.7	0.00 - 0.50
5A-00135	30153	Pb-214	0.777	0.031	0.042	1.7	1.00 - 5.00
5A-00135	30152	Tc-99	-0.13 U	0.32	0.096	1.63	0.00 - 0.50
5A-00135	30153	Tc-99	-0.015 U	0.27	0.081	1.63	1.00 - 5.00
5A-00135	30152	Bi-214	0.825 J	0.026	0.044	1.59	0.00 - 0.50
5A-00135	30153	Bi-214	0.752	0.025	0.04	1.59	1.00 - 5.00
5A-00135	30152	Tl-208	0.513	0.02	0.028	0.937	0.00 - 0.50
5A-00135	30153	Tl-208	0.561	0.017	0.03	0.937	1.00 - 5.00
5A-00135	30152	Pa-231	0.12 U	0.56	0.17	0.936	0.00 - 0.50
5A-00135	30153	Pa-231	0.01 U	0.51	0.15	0.936	1.00 - 5.00
5A-00135	30152	Sr-90	0.039	0.046	0.015	0.485	0.00 - 0.50
5A-00135	30153	Sr-90	0.04	0.049	0.015	0.485	1.00 - 5.00
5A-00135	30152	Sb-125	0.132 SK	0.045	0.012	0.354	0.00 - 0.50
5A-00135	30153	Sb-125	0.166 JSK	0.047	0.014	0.354	1.00 - 5.00
5A-00135	30152	Eu-155	0.055 L	0.039	0.012	0.231	0.00 - 0.50
5A-00135	30153	Eu-155	0.049 L R	0.034	0.011	0.231	1.00 - 5.00
5A-00135	30152	Ac-227	0.069 K R	0.1	0.037	0.217	0.00 - 0.50
5A-00135	30153	Ac-227	0.012 U	0.13	0.013	0.217	1.00 - 5.00
5A-00135	30152	Cs-137	0.0138	0.016	0.0055	0.207	0.00 - 0.50
5A-00135	30153	Cs-137	-0.0025 U	0.018	0.0077	0.207	1.00 - 5.00
5A-00135	30152	U-235/236	0.0425 J	0.0058	0.0097	0.151	0.00 - 0.50
5A-00135	30153	U-235/236	0.018	0.0063	0.0042	0.151	1.00 - 5.00
5A-00135	30152	Eu-154	0.0025 U	0.11	0.0044	0.15	0.00 - 0.50
5A-00135	30153	Eu-154	0.015 U	0.11	0.016	0.15	1.00 - 5.00
5A-00135	30152	Th-229	0.0078	0.011	0.0037	0.145	0.00 - 0.50
5A-00135	30153	Th-229	0.0065	0.015	0.0046	0.145	1.00 - 5.00
5A-00135	30152	Np-239	0.001 U	0.088	0.027	0.139	0.00 - 0.50
5A-00135	30153	Np-239	-0.024 U	0.093	0.028	0.139	1.00 - 5.00
5A-00135	30152	Cs-134	-0.0026 U J	0.017	0.0028	0.0864	0.00 - 0.50
5A-00135	30153	Cs-134	0.0043 U	0.014	0.0044	0.0864	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00135	30152	Te-125m	0.0306 SK	0.01	0.0027	0.0838	0.00 - 0.50
5A-00135	30153	Te-125m	0.0384 JSK	0.011	0.0033	0.0838	1.00 - 5.00
5A-00135	30152	Eu-152	0.0017 U	0.03	0.0089	0.0566	0.00 - 0.50
5A-00135	30153	Eu-152	0.022 K R	0.037	0.016	0.0566	1.00 - 5.00
5A-00135	30152	Np-236	-0.0008 U	0.029	0.0086	0.047	0.00 - 0.50
5A-00135	30153	Np-236	-0.0012 U	0.03	0.009	0.047	1.00 - 5.00
5A-00135	30152	Am-241	-0.0009 U	0.0085	0.0016	0.0454	0.00 - 0.50
5A-00135	30153	Am-241	-0.0025 U	0.013	0.0025	0.0454	1.00 - 5.00
5A-00135	30152	Cm-243/244	0 U	0.0025	0.0009	0.0443	0.00 - 0.50
5A-00135	30153	Cm-243/244	0.0012 U	0.0034	0.0013	0.0443	1.00 - 5.00
5A-00135	30152	Ho-166m	0.0058 U	0.022	0.0087	0.0432	0.00 - 0.50
5A-00135	30153	Ho-166m	0.0103 RSK	0.021	0.0065	0.0432	1.00 - 5.00
5A-00135	30152	Pu-238	0.0052	0.0014	0.0017	0.0415	0.00 - 0.50
5A-00135	30153	Pu-238	-0.0007 U	0.0076	0.0013	0.0415	1.00 - 5.00
5A-00135	30152	Pu-239/240	0.0026	0.0038	0.0014	0.0404	0.00 - 0.50
5A-00135	30153	Pu-239/240	0.0009 U	0.0025	0.0009	0.0404	1.00 - 5.00
5A-00135	30152	Cm-245/246	0.0024 U	0.0032	0.0017	0.0401	0.00 - 0.50
5A-00135	30153	Cm-245/246	0.0023 U	0.0062	0.0023	0.0401	1.00 - 5.00
5A-00135	30152	Na-22	-0.0091 U	0.026	0.0079	0.037	0.00 - 0.50
5A-00135	30153	Na-22	0 U	0.028	0.0074	0.037	1.00 - 5.00
5A-00135	30152	Pu-244	0 U	0.0014	0.0005	0.0313	0.00 - 0.50
5A-00135	30153	Pu-244	0.0013 U	0.0054	0.0014	0.0313	1.00 - 5.00
5A-00135	30152	Cm-247/248	-0.0012 U	0.0087	0.0012	0.0306	0.00 - 0.50
5A-00135	30153	Cm-247/248	-0.0041 U	0.019	0.0024	0.0306	1.00 - 5.00
5A-00135	30152	Co-60	-0.0005 U	0.022	0.0065	0.028	0.00 - 0.50
5A-00135	30153	Co-60	-0.004 U	0.021	0.0061	0.028	1.00 - 5.00
5A-00135	30152	Sn-126	0.0001 U	0.016	0.0048	0.0237	0.00 - 0.50
5A-00135	30153	Sn-126	0.0058 U	0.016	0.0047	0.0237	1.00 - 5.00
5A-00135	30152	Nb-94	0.0047 U	0.014	0.0043	0.0214	0.00 - 0.50
5A-00135	30153	Nb-94	0.0068 U	0.015	0.0047	0.0214	1.00 - 5.00
5A-00136	30088	Cd-113m	10 U	38	11	3030	0.00 - 0.50
5A-00136	30154	Cd-113m	8.1 U	28	8.3	3030	1.00 - 5.00
5A-00136	30088	Tm-171	0.3 U J	3.8	1.2	72.4	0.00 - 0.50
5A-00136	30154	Tm-171	-5.7 U J	4.9	1.5	72.4	1.00 - 5.00
5A-00136	30088	K-40	21.4	0.1	1	32.4	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00136	30154	K-40	22.3	0.2	1.1	32.4	1.00 - 5.00
5A-00136	30088	Ni-59	0 U	0.49	0.13	8.39	0.00 - 0.50
5A-00136	30154	Ni-59	0 U	0.18	0.063	8.39	1.00 - 5.00
5A-00136	30088	Ni-63	0.25 U	0.69	0.21	4.92	0.00 - 0.50
5A-00136	30154	Ni-63	0.11 U	0.56	0.17	4.92	1.00 - 5.00
5A-00136	30088	Th-228	1.31	0.016	0.065	3.98	0.00 - 0.50
5A-00136	30154	Th-228	1.39	0.015	0.068	3.98	1.00 - 5.00
5A-00136	30088	Th-234	1.37 R	0.14	0.093	3.19	0.00 - 0.50
5A-00136	30154	Th-234	1.65 R	0.14	0.11	3.19	1.00 - 5.00
5A-00136	30088	Th-232	1.23	0.002	0.062	3.1	0.00 - 0.50
5A-00136	30154	Th-232	1.4	0.009	0.069	3.1	1.00 - 5.00
5A-00136	30088	C-14	0.01	0.02	0.0062	2.96	0.00 - 0.50
5A-00136	30154	C-14	-0.0006 U	0.022	0.0066	2.96	1.00 - 5.00
5A-00136	30088	Pb-212	1.64	0.023	0.092	2.69	0.00 - 0.50
5A-00136	30154	Pb-212	1.84	0.02	0.12	2.69	1.00 - 5.00
5A-00136	30088	Th-230	0.98	0.009	0.051	2.2	0.00 - 0.50
5A-00136	30154	Th-230	0.961	0.002	0.05	2.2	1.00 - 5.00
5A-00136	30088	Bi-212	0.905	0.14	0.088	2.15	0.00 - 0.50
5A-00136	30154	Bi-212	1.11	0.11	0.085	2.15	1.00 - 5.00
5A-00136	30088	U-233/234	0.637	0.01	0.04	2.02	0.00 - 0.50
5A-00136	30154	U-233/234	0.466	0.007	0.026	2.02	1.00 - 5.00
5A-00136	30088	U-238	0.63	0.004	0.039	1.8	0.00 - 0.50
5A-00136	30154	U-238	0.45	0.002	0.025	1.8	1.00 - 5.00
5A-00136	30088	Pb-214	0.928	0.023	0.048	1.7	0.00 - 0.50
5A-00136	30154	Pb-214	0.933	0.023	0.05	1.7	1.00 - 5.00
5A-00136	30088	Tc-99	-0.059 U	0.3	0.09	1.63	0.00 - 0.50
5A-00136	30154	Tc-99	-0.046 U	0.3	0.092	1.63	1.00 - 5.00
5A-00136	30088	Bi-214	0.813	0.026	0.043	1.59	0.00 - 0.50
5A-00136	30154	Bi-214	0.794	0.022	0.043	1.59	1.00 - 5.00
5A-00136	30088	Tl-208	0.525 J	0.017	0.028	0.937	0.00 - 0.50
5A-00136	30154	Tl-208	0.525	0.017	0.029	0.937	1.00 - 5.00
5A-00136	30088	Pa-231	0.03 U	0.56	0.17	0.936	0.00 - 0.50
5A-00136	30154	Pa-231	-0.007 U	0.53	0.16	0.936	1.00 - 5.00
5A-00136	30088	Sr-90	0.01 U	0.038	0.011	0.485	0.00 - 0.50
5A-00136	30154	Sr-90	0.01 U	0.034	0.01	0.485	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00136	30088	Sb-125	0.155 SK	0.036	0.013	0.354	0.00 - 0.50
5A-00136	30154	Sb-125	0.142 SK	0.037	0.011	0.354	1.00 - 5.00
5A-00136	30088	Eu-155	0.066 SK	0.032	0.013	0.231	0.00 - 0.50
5A-00136	30154	Eu-155	0.089 SK	0.033	0.015	0.231	1.00 - 5.00
5A-00136	30088	Ac-227	0.037 U	0.14	0.047	0.217	0.00 - 0.50
5A-00136	30154	Ac-227	0.076	0.097	0.021	0.217	1.00 - 5.00
5A-00136	30088	Cs-137	0.0205	0.012	0.0053	0.207	0.00 - 0.50
5A-00136	30154	Cs-137	-0.0029 U	0.014	0.0041	0.207	1.00 - 5.00
5A-00136	30088	U-235/236	0.0283	0.0045	0.007	0.151	0.00 - 0.50
5A-00136	30154	U-235/236	0.0226	0.0057	0.0044	0.151	1.00 - 5.00
5A-00136	30088	Eu-154	-0.032 U	0.1	0.03	0.15	0.00 - 0.50
5A-00136	30154	Eu-154	0.004 U	0.083	0.025	0.15	1.00 - 5.00
5A-00136	30088	Th-229	0 U	0.0093	0.002	0.145	0.00 - 0.50
5A-00136	30154	Th-229	0.0106	0.0029	0.0034	0.145	1.00 - 5.00
5A-00136	30088	Np-239	-0.019 U	0.081	0.025	0.139	0.00 - 0.50
5A-00136	30154	Np-239	0.004 U	0.072	0.022	0.139	1.00 - 5.00
5A-00136	30088	Cs-134	0.0026 U	0.05	0.0028	0.0864	0.00 - 0.50
5A-00136	30154	Cs-134	0.0112 U	0.042	0.0031	0.0864	1.00 - 5.00
5A-00136	30088	Te-125m	0.0359 SK	0.0084	0.003	0.0838	0.00 - 0.50
5A-00136	30154	Te-125m	0.0327 SK	0.0086	0.0026	0.0838	1.00 - 5.00
5A-00136	30088	Eu-152	-0.0099 U	0.032	0.0098	0.0566	0.00 - 0.50
5A-00136	30154	Eu-152	-0.014 U	0.034	0.01	0.0566	1.00 - 5.00
5A-00136	30088	Np-236	-0.0057 U	0.028	0.0086	0.047	0.00 - 0.50
5A-00136	30154	Np-236	-0.0044 U	0.028	0.0085	0.047	1.00 - 5.00
5A-00136	30088	Am-241	0.0024	0.0022	0.0014	0.0454	0.00 - 0.50
5A-00136	30154	Am-241	0.0044	0.003	0.0022	0.0454	1.00 - 5.00
5A-00136	30088	Cm-243/244	0 U	0.0022	0.0008	0.0443	0.00 - 0.50
5A-00136	30154	Cm-243/244	0 U	0.003	0.0011	0.0443	1.00 - 5.00
5A-00136	30088	Ho-166m	0.0081 U J	0.022	0.0091	0.0432	0.00 - 0.50
5A-00136	30154	Ho-166m	0.0126 JSK	0.02	0.0073	0.0432	1.00 - 5.00
5A-00136	30088	Pu-238	0.0034	0.0023	0.0017	0.0415	0.00 - 0.50
5A-00136	30154	Pu-238	0.0004 U	0.0054	0.0011	0.0415	1.00 - 5.00
5A-00136	30088	Pu-239/240	0.0009 U	0.0023	0.0009	0.0404	0.00 - 0.50
5A-00136	30154	Pu-239/240	0.0018	0.0024	0.0013	0.0404	1.00 - 5.00
5A-00136	30088	Cm-245/246	0.001 U	0.0028	0.001	0.0401	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00136	30154	Cm-245/246	0.0015 U	0.0041	0.0015	0.0401	1.00 - 5.00
5A-00136	30088	Na-22	-0.0137 U	0.023	0.0071	0.037	0.00 - 0.50
5A-00136	30154	Na-22	-0.0045 U	0.02	0.006	0.037	1.00 - 5.00
5A-00136	30088	Pu-244	0.0034	0.0023	0.0017	0.0313	0.00 - 0.50
5A-00136	30154	Pu-244	0.0018	0.0024	0.0013	0.0313	1.00 - 5.00
5A-00136	30088	Cm-247/248	0.002 U	0.0027	0.0014	0.0306	0.00 - 0.50
5A-00136	30154	Cm-247/248	0.0006 U	0.0088	0.0017	0.0306	1.00 - 5.00
5A-00136	30088	Co-60	0.0044 U	0.019	0.0046	0.028	0.00 - 0.50
5A-00136	30154	Co-60	-0.0015 U	0.016	0.0048	0.028	1.00 - 5.00
5A-00136	30088	Sn-126	-0.0016 U	0.016	0.0047	0.0237	0.00 - 0.50
5A-00136	30154	Sn-126	-0.0018 U	0.011	0.0033	0.0237	1.00 - 5.00
5A-00136	30088	Nb-94	0.0168 SK	0.011	0.0053	0.0214	0.00 - 0.50
5A-00136	30154	Nb-94	0.0056 U	0.012	0.0035	0.0214	1.00 - 5.00
5A-00137	30089	Cd-113m	6 U	42	13	3030	0.00 - 0.50
5A-00137	30155	Cd-113m	4.8 U	31	9.4	3030	1.00 - 5.00
5A-00137	30089	Tm-171	0.07 U	6.5	2	72.4	0.00 - 0.50
5A-00137	30155	Tm-171	-5.3 U J	4.3	1.3	72.4	1.00 - 5.00
5A-00137	30089	K-40	17.9	0.14	0.89	32.4	0.00 - 0.50
5A-00137	30155	K-40	19.6	0.098	0.997	32.4	1.00 - 5.00
5A-00137	30089	Ni-59	-0.09 U	0.5	0.14	8.39	0.00 - 0.50
5A-00137	30155	Ni-59	0 U	0.16	0.041	8.39	1.00 - 5.00
5A-00137	30089	Ni-63	0.4	0.75	0.23	4.92	0.00 - 0.50
5A-00137	30155	Ni-63	-0.29 U	0.63	0.18	4.92	1.00 - 5.00
5A-00137	30089	Th-228	1.75	0.037	0.092	3.98	0.00 - 0.50
5A-00137	30155	Th-228	1.46	0.023	0.073	3.98	1.00 - 5.00
5A-00137	30089	Th-234	0.385 R	0.17	0.056	3.19	0.00 - 0.50
5A-00137	30155	Th-234	1.42 R	0.12	0.096	3.19	1.00 - 5.00
5A-00137	30089	Th-232	1.29	0.003	0.068	3.1	0.00 - 0.50
5A-00137	30155	Th-232	1.37	0.003	0.069	3.1	1.00 - 5.00
5A-00137	30089	C-14	0.044	0.045	0.014	2.96	0.00 - 0.50
5A-00137	30155	C-14	-0.0053 U	0.03	0.0089	2.96	1.00 - 5.00
5A-00137	30089	Pb-212	1.94	0.03	0.11	2.69	0.00 - 0.50
5A-00137	30155	Pb-212	1.82	0.02	0.12	2.69	1.00 - 5.00
5A-00137	30089	Th-230	1	0.009	0.055	2.2	0.00 - 0.50
5A-00137	30155	Th-230	1.07	0.008	0.057	2.2	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00137	30089	Bi-212	1.17	0.16	0.1	2.15	0.00 - 0.50
5A-00137	30155	Bi-212	1.16	0.094	0.079	2.15	1.00 - 5.00
5A-00137	30089	U-233/234	1 J	0.01	0.056	2.02	0.00 - 0.50
5A-00137	30155	U-233/234	0.926	0.01	0.053	2.02	1.00 - 5.00
5A-00137	30089	U-238	1.06 J	0.015	0.059	1.8	0.00 - 0.50
5A-00137	30155	U-238	1.01	0.015	0.057	1.8	1.00 - 5.00
5A-00137	30089	Pb-214	1.1	0.029	0.057	1.7	0.00 - 0.50
5A-00137	30155	Pb-214	0.814	0.021	0.044	1.7	1.00 - 5.00
5A-00137	30089	Tc-99	-0.15 U	0.33	0.1	1.63	0.00 - 0.50
5A-00137	30155	Tc-99	-0.033 U	0.26	0.077	1.63	1.00 - 5.00
5A-00137	30089	Bi-214	0.954 J	0.029	0.051	1.59	0.00 - 0.50
5A-00137	30155	Bi-214	0.711	0.018	0.039	1.59	1.00 - 5.00
5A-00137	30089	Tl-208	0.602	0.018	0.032	0.937	0.00 - 0.50
5A-00137	30155	Tl-208	0.537	0.014	0.029	0.937	1.00 - 5.00
5A-00137	30089	Pa-231	-0.01 U	0.52	0.16	0.936	0.00 - 0.50
5A-00137	30155	Pa-231	0.02 U	0.33	0.1	0.936	1.00 - 5.00
5A-00137	30089	Sr-90	0.03	0.046	0.014	0.485	0.00 - 0.50
5A-00137	30155	Sr-90	0.025	0.033	0.01	0.485	1.00 - 5.00
5A-00137	30089	Sb-125	0.185 SK	0.049	0.016	0.354	0.00 - 0.50
5A-00137	30155	Sb-125	0.165 SK	0.029	0.012	0.354	1.00 - 5.00
5A-00137	30089	Eu-155	0.047 L	0.034	0.011	0.231	0.00 - 0.50
5A-00137	30155	Eu-155	0.071 SK	0.026	0.011	0.231	1.00 - 5.00
5A-00137	30089	Ac-227	0.05 U	0.14	0.043	0.217	0.00 - 0.50
5A-00137	30155	Ac-227	0.023 U	0.11	0.025	0.217	1.00 - 5.00
5A-00137	30089	Cs-137	0.0134	0.017	0.0058	0.207	0.00 - 0.50
5A-00137	30155	Cs-137	-0.0042 U	0.011	0.0035	0.207	1.00 - 5.00
5A-00137	30089	U-235/236	0.054 J	0.013	0.01	0.151	0.00 - 0.50
5A-00137	30155	U-235/236	0.0504	0.0047	0.0096	0.151	1.00 - 5.00
5A-00137	30089	Eu-154	-0.038 U	0.11	0.032	0.15	0.00 - 0.50
5A-00137	30155	Eu-154	0.0035 U	0.07	0.0049	0.15	1.00 - 5.00
5A-00137	30089	Th-229	0.0109	0.0089	0.004	0.145	0.00 - 0.50
5A-00137	30155	Th-229	0.0098	0.01	0.004	0.145	1.00 - 5.00
5A-00137	30089	Np-239	-0.019 U	0.093	0.028	0.139	0.00 - 0.50
5A-00137	30155	Np-239	0.026 U	0.07	0.021	0.139	1.00 - 5.00
5A-00137	30089	Cs-134	-0.0159 U J	0.019	0.0059	0.0864	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00137	30155	Cs-134	0.0042 U	0.035	0.0058	0.0864	1.00 - 5.00
5A-00137	30089	Te-125m	0.0428 SK	0.011	0.0036	0.0838	0.00 - 0.50
5A-00137	30155	Te-125m	0.0382 SK	0.0066	0.0027	0.0838	1.00 - 5.00
5A-00137	30089	Eu-152	0.023 K R	0.033	0.014	0.0566	0.00 - 0.50
5A-00137	30155	Eu-152	0.0023 U	0.029	0.0086	0.0566	1.00 - 5.00
5A-00137	30089	Np-236	0.0053 U	0.03	0.0091	0.047	0.00 - 0.50
5A-00137	30155	Np-236	-0.0009 U	0.024	0.0073	0.047	1.00 - 5.00
5A-00137	30089	Am-241	0.0069	0.0038	0.0031	0.0454	0.00 - 0.50
5A-00137	30155	Am-241	0 U	0.0087	0.0019	0.0454	1.00 - 5.00
5A-00137	30089	Cm-243/244	0.0014 U	0.0038	0.0014	0.0443	0.00 - 0.50
5A-00137	30155	Cm-243/244	0.001 U	0.0026	0.001	0.0443	1.00 - 5.00
5A-00137	30089	Ho-166m	0.0118 U	0.027	0.008	0.0432	0.00 - 0.50
5A-00137	30155	Ho-166m	0.0078 U	0.018	0.0035	0.0432	1.00 - 5.00
5A-00137	30089	Pu-238	0.0035	0.0016	0.0014	0.0415	0.00 - 0.50
5A-00137	30155	Pu-238	0.0012 U	0.0049	0.0013	0.0415	1.00 - 5.00
5A-00137	30089	Pu-239/240	0.0006 U	0.0016	0.0006	0.0404	0.00 - 0.50
5A-00137	30155	Pu-239/240	0.0016	0.0022	0.0012	0.0404	1.00 - 5.00
5A-00137	30089	Cm-245/246	0.0037	0.005	0.0026	0.0401	0.00 - 0.50
5A-00137	30155	Cm-245/246	-0.0018 U	0.0099	0.0018	0.0401	1.00 - 5.00
5A-00137	30089	Na-22	0 U	0.025	0.0074	0.037	0.00 - 0.50
5A-00137	30155	Na-22	0 U	0.02	0.0037	0.037	1.00 - 5.00
5A-00137	30089	Pu-244	0 U	0.0016	0.0006	0.0313	0.00 - 0.50
5A-00137	30155	Pu-244	0.0008 U	0.0022	0.0008	0.0313	1.00 - 5.00
5A-00137	30089	Cm-247/248	0 U	0.005	0.0011	0.0306	0.00 - 0.50
5A-00137	30155	Cm-247/248	0.0009 U	0.0025	0.0009	0.0306	1.00 - 5.00
5A-00137	30089	Co-60	0.0034 U	0.02	0.006	0.028	0.00 - 0.50
5A-00137	30155	Co-60	-0.003 U	0.014	0.0043	0.028	1.00 - 5.00
5A-00137	30089	Sn-126	-0.0007 U	0.019	0.0056	0.0237	0.00 - 0.50
5A-00137	30155	Sn-126	-0.0034 U	0.012	0.0035	0.0237	1.00 - 5.00
5A-00137	30089	Nb-94	0.0064 U	0.015	0.0046	0.0214	0.00 - 0.50
5A-00137	30155	Nb-94	0.0058 SK	0.01	0.0031	0.0214	1.00 - 5.00
5A-00138	30090	Cd-113m	-11 U	43	13	3030	0.00 - 0.50
5A-00138	30156	Cd-113m	0.6 U	27	8	3030	1.00 - 5.00
5A-00138	30090	Tm-171	-2.5 U	6.4	1.9	72.4	0.00 - 0.50
5A-00138	30156	Tm-171	4.3	4	1.6	72.4	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00138	30090	K-40	21	0.1	1	32.4	0.00 - 0.50
5A-00138	30156	K-40	19.5	0.11	0.995	32.4	1.00 - 5.00
5A-00138	30090	Ni-59	-0.08 U	0.43	0.11	8.39	0.00 - 0.50
5A-00138	30156	Ni-59	0 U	0.21	0.064	8.39	1.00 - 5.00
5A-00138	30090	Ni-63	0.23 U	0.65	0.2	4.92	0.00 - 0.50
5A-00138	30156	Ni-63	0.13 U	0.63	0.19	4.92	1.00 - 5.00
5A-00138	30090	Th-228	1.73	0.021	0.088	3.98	0.00 - 0.50
5A-00138	30156	Th-228	1.48	0.021	0.077	3.98	1.00 - 5.00
5A-00138	30090	Th-234	0.376 R	0.16	0.052	3.19	0.00 - 0.50
5A-00138	30156	Th-234	1.6 R	0.12	0.1	3.19	1.00 - 5.00
5A-00138	30090	Th-232	1.17	0.003	0.06	3.1	0.00 - 0.50
5A-00138	30156	Th-232	1.45	0.013	0.075	3.1	1.00 - 5.00
5A-00138	30090	C-14	0.0193	0.025	0.0079	2.96	0.00 - 0.50
5A-00138	30156	C-14	0.0147	0.024	0.0073	2.96	1.00 - 5.00
5A-00138	30090	Pb-212	1.9	0.03	0.11	2.69	0.00 - 0.50
5A-00138	30156	Pb-212	1.78	0.02	0.12	2.69	1.00 - 5.00
5A-00138	30090	Th-230	0.945	0.003	0.05	2.2	0.00 - 0.50
5A-00138	30156	Th-230	1.01	0.004	0.056	2.2	1.00 - 5.00
5A-00138	30090	Bi-212	1.15	0.15	0.1	2.15	0.00 - 0.50
5A-00138	30156	Bi-212	1.11	0.089	0.074	2.15	1.00 - 5.00
5A-00138	30090	U-233/234	1 J	0.004	0.058	2.02	0.00 - 0.50
5A-00138	30156	U-233/234	1.08	0.013	0.059	2.02	1.00 - 5.00
5A-00138	30090	U-238	0.952 J	0.004	0.056	1.8	0.00 - 0.50
5A-00138	30156	U-238	1.07	0.01	0.059	1.8	1.00 - 5.00
5A-00138	30090	Pb-214	1	0.027	0.052	1.7	0.00 - 0.50
5A-00138	30156	Pb-214	0.797	0.02	0.043	1.7	1.00 - 5.00
5A-00138	30090	Tc-99	-0.095 U	0.31	0.093	1.63	0.00 - 0.50
5A-00138	30156	Tc-99	-0.03 U	0.29	0.088	1.63	1.00 - 5.00
5A-00138	30090	Bi-214	0.884 J	0.026	0.047	1.59	0.00 - 0.50
5A-00138	30156	Bi-214	0.7	0.018	0.038	1.59	1.00 - 5.00
5A-00138	30090	Tl-208	0.558	0.02	0.03	0.937	0.00 - 0.50
5A-00138	30156	Tl-208	0.537	0.013	0.029	0.937	1.00 - 5.00
5A-00138	30090	Pa-231	-0.005 U	0.53	0.16	0.936	0.00 - 0.50
5A-00138	30156	Pa-231	0.03 U	0.4	0.12	0.936	1.00 - 5.00
5A-00138	30090	Sr-90	0.027 U	0.05	0.015	0.485	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00138	30156	Sr-90	0.0165 U	0.032	0.0098	0.485	1.00 - 5.00
5A-00138	30090	Sb-125	0.139 SK	0.043	0.012	0.354	0.00 - 0.50
5A-00138	30156	Sb-125	0.142 SK	0.031	0.01	0.354	1.00 - 5.00
5A-00138	30090	Eu-155	0.103 SK	0.035	0.015	0.231	0.00 - 0.50
5A-00138	30156	Eu-155	0.074 SK	0.027	0.012	0.231	1.00 - 5.00
5A-00138	30090	Ac-227	0.027 U	0.14	0.049	0.217	0.00 - 0.50
5A-00138	30156	Ac-227	0.306 RZ	0.11	0.02	0.217	1.00 - 5.00
5A-00138	30090	Cs-137	0.0397	0.014	0.0069	0.207	0.00 - 0.50
5A-00138	30156	Cs-137	0.0282	0.0088	0.0043	0.207	1.00 - 5.00
5A-00138	30090	U-235/236	0.0424 J	0.0055	0.0094	0.151	0.00 - 0.50
5A-00138	30156	U-235/236	0.065	0.005	0.011	0.151	1.00 - 5.00
5A-00138	30090	Eu-154	-0.043 U	0.1	0.031	0.15	0.00 - 0.50
5A-00138	30156	Eu-154	0.0001 U	0.069	0.021	0.15	1.00 - 5.00
5A-00138	30090	Th-229	0.0085	0.011	0.004	0.145	0.00 - 0.50
5A-00138	30156	Th-229	0.0147	0.004	0.0047	0.145	1.00 - 5.00
5A-00138	30090	Np-239	-0.002 U	0.076	0.023	0.139	0.00 - 0.50
5A-00138	30156	Np-239	0.012 U	0.07	0.021	0.139	1.00 - 5.00
5A-00138	30090	Cs-134	0.0089 U J	0.055	0.0058	0.0864	0.00 - 0.50
5A-00138	30156	Cs-134	0.0169 U	0.033	0.0036	0.0864	1.00 - 5.00
5A-00138	30090	Te-125m	0.0322 SK	0.0099	0.0028	0.0838	0.00 - 0.50
5A-00138	30156	Te-125m	0.0327 SK	0.0073	0.0023	0.0838	1.00 - 5.00
5A-00138	30090	Eu-152	0.002 U	0.04	0.012	0.0566	0.00 - 0.50
5A-00138	30156	Eu-152	0.0141 K R	0.029	0.0073	0.0566	1.00 - 5.00
5A-00138	30090	Np-236	0.0029 U	0.031	0.0094	0.047	0.00 - 0.50
5A-00138	30156	Np-236	0.0003 U	0.024	0.0074	0.047	1.00 - 5.00
5A-00138	30090	Am-241	-0.0019 U	0.0089	0.0014	0.0454	0.00 - 0.50
5A-00138	30156	Am-241	0.0026	0.0063	0.0019	0.0454	1.00 - 5.00
5A-00138	30090	Cm-243/244	-0.0019 U	0.009	0.0014	0.0443	0.00 - 0.50
5A-00138	30156	Cm-243/244	-0.0035 L U	0.01	0.0017	0.0443	1.00 - 5.00
5A-00138	30090	Ho-166m	0.0099 U	0.023	0.0096	0.0432	0.00 - 0.50
5A-00138	30156	Ho-166m	0.0068 U J	0.018	0.0047	0.0432	1.00 - 5.00
5A-00138	30090	Pu-238	0.0063	0.0039	0.002	0.0415	0.00 - 0.50
5A-00138	30156	Pu-238	-0.0013 U	0.0081	0.0007	0.0415	1.00 - 5.00
5A-00138	30090	Pu-239/240	0.0042	0.0014	0.0015	0.0404	0.00 - 0.50
5A-00138	30156	Pu-239/240	0.0032	0.0022	0.0016	0.0404	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00138	30090	Cm-245/246	0 U	0.0066	0.0013	0.0401	0.00 - 0.50
5A-00138	30156	Cm-245/246	0.0041	0.0028	0.002	0.0401	1.00 - 5.00
5A-00138	30090	Na-22	0.0047 U	0.026	0.0079	0.037	0.00 - 0.50
5A-00138	30156	Na-22	0.0002 U	0.018	0.0053	0.037	1.00 - 5.00
5A-00138	30090	Pu-244	0.0005 U	0.0014	0.0005	0.0313	0.00 - 0.50
5A-00138	30156	Pu-244	0.0014 U	0.0058	0.0015	0.0313	1.00 - 5.00
5A-00138	30090	Cm-247/248	0.0009 U	0.0024	0.0009	0.0306	0.00 - 0.50
5A-00138	30156	Cm-247/248	0.001 U	0.0027	0.001	0.0306	1.00 - 5.00
5A-00138	30090	Co-60	0.0014 U	0.019	0.0047	0.028	0.00 - 0.50
5A-00138	30156	Co-60	0.0007 U	0.014	0.0008	0.028	1.00 - 5.00
5A-00138	30090	Sn-126	0.0013 U	0.016	0.0049	0.0237	0.00 - 0.50
5A-00138	30156	Sn-126	0.0034 U	0.011	0.0034	0.0237	1.00 - 5.00
5A-00138	30090	Nb-94	0.0047 U	0.014	0.0044	0.0214	0.00 - 0.50
5A-00138	30156	Nb-94	0.0031 U	0.01	0.0031	0.0214	1.00 - 5.00
5A-00139	30091	Cd-113m	8 U	34	10	3030	1.00 - 3.50
5A-00139	30091	Tm-171	1 U	4.6	1.4	72.4	1.00 - 3.50
5A-00139	30091	K-40	19.5	0.14	0.997	32.4	1.00 - 3.50
5A-00139	30091	Ni-59	0 U	0.2	0.059	8.39	1.00 - 3.50
5A-00139	30091	Ni-63	0.09 U	0.61	0.18	4.92	1.00 - 3.50
5A-00139	30091	Th-228	1.49	0.015	0.073	3.98	1.00 - 3.50
5A-00139	30091	Th-234	0.398 R	0.14	0.048	3.19	1.00 - 3.50
5A-00139	30091	Th-232	1.49	0.006	0.072	3.1	1.00 - 3.50
5A-00139	30091	C-14	-0.0026 U	0.028	0.0081	2.96	1.00 - 3.50
5A-00139	30091	Pb-212	1.9	0.02	0.12	2.69	1.00 - 3.50
5A-00139	30091	Th-230	0.998	0.002	0.051	2.2	1.00 - 3.50
5A-00139	30091	Bi-212	1.23	0.1	0.086	2.15	1.00 - 3.50
5A-00139	30091	U-233/234	0.471	0.006	0.026	2.02	1.00 - 3.50
5A-00139	30091	U-238	0.499	0.005	0.028	1.8	1.00 - 3.50
5A-00139	30091	Pb-214	0.854	0.02	0.046	1.7	1.00 - 3.50
5A-00139	30091	Tc-99	-0.08 U	0.3	0.089	1.63	1.00 - 3.50
5A-00139	30091	Bi-214	0.78	0.021	0.043	1.59	1.00 - 3.50
5A-00139	30091	Tl-208	0.57	0.015	0.031	0.937	1.00 - 3.50
5A-00139	30091	Pa-231	0.005 U	0.48	0.14	0.936	1.00 - 3.50
5A-00139	30091	Sr-90	-0.008 U	0.038	0.011	0.485	1.00 - 3.50
5A-00139	30091	Sb-125	0.165 SK	0.032	0.012	0.354	1.00 - 3.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00139	30091	Eu-155	0.084 SK	0.033	0.015	0.231	1.00 - 3.50
5A-00139	30091	Ac-227	0.051	0.088	0.019	0.217	1.00 - 3.50
5A-00139	30091	Cs-137	0.0061 K R	0.0087	0.0027	0.207	1.00 - 3.50
5A-00139	30091	U-235/236	0.0175	0.0074	0.0041	0.151	1.00 - 3.50
5A-00139	30091	Eu-154	-0.03 U	0.074	0.023	0.15	1.00 - 3.50
5A-00139	30091	Th-229	0.004	0.0027	0.002	0.145	1.00 - 3.50
5A-00139	30091	Np-239	-0.004 U	0.077	0.023	0.139	1.00 - 3.50
5A-00139	30091	Cs-134	0.0094 U	0.035	0.0026	0.0864	1.00 - 3.50
5A-00139	30091	Te-125m	0.0381 SK	0.0075	0.0028	0.0838	1.00 - 3.50
5A-00139	30091	Eu-152	0.0113 U	0.031	0.0074	0.0566	1.00 - 3.50
5A-00139	30091	Np-236	-0.004 U	0.026	0.0078	0.047	1.00 - 3.50
5A-00139	30091	Am-241	0.0009 U	0.0069	0.0016	0.0454	1.00 - 3.50
5A-00139	30091	Cm-243/244	0.0028	0.0025	0.0016	0.0443	1.00 - 3.50
5A-00139	30091	Ho-166m	0.0076 U J	0.019	0.0043	0.0432	1.00 - 3.50
5A-00139	30091	Pu-238	0.003	0.0052	0.0019	0.0415	1.00 - 3.50
5A-00139	30091	Pu-239/240	0.0004 U	0.0052	0.001	0.0404	1.00 - 3.50
5A-00139	30091	Cm-245/246	0.0018 U	0.0085	0.0022	0.0401	1.00 - 3.50
5A-00139	30091	Na-22	0.001 U	0.018	0.0053	0.037	1.00 - 3.50
5A-00139	30091	Pu-244	0.0009 U	0.0024	0.0009	0.0313	1.00 - 3.50
5A-00139	30091	Cm-247/248	0.0018 U	0.0024	0.0013	0.0306	1.00 - 3.50
5A-00139	30091	Co-60	-0.0001 U	0.014	0.0041	0.028	1.00 - 3.50
5A-00139	30091	Sn-126	0.0025 U	0.012	0.0036	0.0237	1.00 - 3.50
5A-00139	30091	Nb-94	0.0024 U	0.01	0.0022	0.0214	1.00 - 3.50
5A-00140	30092	Cd-113m	0.4 U	28	8.4	3030	1.00 - 5.00
5A-00140	30092	Tm-171	1.3 U	3.9	1.2	72.4	1.00 - 5.00
5A-00140	30092	K-40	21.9	0.1	1.1	32.4	1.00 - 5.00
5A-00140	30092	Ni-59	0 U	0.19	0.043	8.39	1.00 - 5.00
5A-00140	30092	Ni-63	0.39	0.6	0.19	4.92	1.00 - 5.00
5A-00140	30092	Th-228	1.51	0.032	0.082	3.98	1.00 - 5.00
5A-00140	30092	Th-234	1.81 R	0.13	0.12	3.19	1.00 - 5.00
5A-00140	30092	Th-232	1.38	0.013	0.076	3.1	1.00 - 5.00
5A-00140	30092	C-14	0.0164	0.029	0.0088	2.96	1.00 - 5.00
5A-00140	30092	Pb-212	2.03	0.02	0.13	2.69	1.00 - 5.00
5A-00140	30092	Th-230	0.955	0.019	0.058	2.2	1.00 - 5.00
5A-00140	30092	Bi-212	1.18	0.1	0.083	2.15	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00140	30092	U-233/234	0.877 J	0.011	0.051	2.02	1.00 - 5.00
5A-00140	30092	U-238	0.915 J	0.004	0.053	1.8	1.00 - 5.00
5A-00140	30092	Pb-214	0.882	0.022	0.048	1.7	1.00 - 5.00
5A-00140	30092	Tc-99	-0.064 U	0.3	0.091	1.63	1.00 - 5.00
5A-00140	30092	Bi-214	0.788	0.019	0.043	1.59	1.00 - 5.00
5A-00140	30092	Tl-208	0.597	0.013	0.032	0.937	1.00 - 5.00
5A-00140	30092	Pa-231	0.069 U	0.48	0.066	0.936	1.00 - 5.00
5A-00140	30092	Sr-90	0.018 U	0.033	0.01	0.485	1.00 - 5.00
5A-00140	30092	Sb-125	0.122 SK	0.033	0.0089	0.354	1.00 - 5.00
5A-00140	30092	Eu-155	0.104 SK	0.029	0.013	0.231	1.00 - 5.00
5A-00140	30092	Ac-227	0.051 U	0.12	0.016	0.217	1.00 - 5.00
5A-00140	30092	Cs-137	0.0007 U	0.013	0.0038	0.207	1.00 - 5.00
5A-00140	30092	U-235/236	0.0416 J	0.0049	0.0088	0.151	1.00 - 5.00
5A-00140	30092	Eu-154	-0.026 U	0.077	0.023	0.15	1.00 - 5.00
5A-00140	30092	Th-229	0.0089	0.0082	0.0036	0.145	1.00 - 5.00
5A-00140	30092	Np-239	0.009 U	0.075	0.023	0.139	1.00 - 5.00
5A-00140	30092	Cs-134	0.0006 U	0.036	0.0014	0.0864	1.00 - 5.00
5A-00140	30092	Te-125m	0.0282 SK	0.0077	0.0021	0.0838	1.00 - 5.00
5A-00140	30092	Eu-152	0.0138 U	0.029	0.0082	0.0566	1.00 - 5.00
5A-00140	30092	Np-236	-0.0048 U	0.026	0.0079	0.047	1.00 - 5.00
5A-00140	30092	Am-241	0.0007 U	0.0051	0.0012	0.0454	1.00 - 5.00
5A-00140	30092	Cm-243/244	0.0014 U	0.0051	0.0014	0.0443	1.00 - 5.00
5A-00140	30092	Ho-166m	0.0035 U J	0.02	0.0025	0.0432	1.00 - 5.00
5A-00140	30092	Pu-238	0.004	0.0022	0.0018	0.0415	1.00 - 5.00
5A-00140	30092	Pu-239/240	0.0024	0.0021	0.0014	0.0404	1.00 - 5.00
5A-00140	30092	Cm-245/246	0.0017 U	0.0023	0.0012	0.0401	1.00 - 5.00
5A-00140	30092	Na-22	0 U	0.019	0.0056	0.037	1.00 - 5.00
5A-00140	30092	Pu-244	0.0008 U	0.0021	0.0008	0.0313	1.00 - 5.00
5A-00140	30092	Cm-247/248	0 U	0.0023	0.0008	0.0306	1.00 - 5.00
5A-00140	30092	Co-60	-0.0002 U	0.013	0.0038	0.028	1.00 - 5.00
5A-00140	30092	Sn-126	0.0001 U	0.012	0.0036	0.0237	1.00 - 5.00
5A-00140	30092	Nb-94	0.0033 U	0.011	0.0025	0.0214	1.00 - 5.00
5A-00141	30093	Cd-113m	4 U	41	12	3030	1.00 - 2.50
5A-00141	30093	Tm-171	-3.6 U	6.7	2	72.4	1.00 - 2.50
5A-00141	30093	K-40	21.5	0.2	1.1	32.4	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00141	30093	Ni-59	0 U	0.16	0.041	8.39	1.00 - 2.50
5A-00141	30093	Ni-63	-0.03 U	0.69	0.2	4.92	1.00 - 2.50
5A-00141	30093	Th-228	1.39	0.016	0.071	3.98	1.00 - 2.50
5A-00141	30093	Th-234	0.508 R	0.17	0.058	3.19	1.00 - 2.50
5A-00141	30093	Th-232	1.41	0.003	0.072	3.1	1.00 - 2.50
5A-00141	30093	C-14	-0.0002 U	0.035	0.011	2.96	1.00 - 2.50
5A-00141	30093	Pb-212	1.69	0.032	0.084	2.69	1.00 - 2.50
5A-00141	30093	Th-230	1.06	0.009	0.057	2.2	1.00 - 2.50
5A-00141	30093	Bi-212	1.23	0.14	0.099	2.15	1.00 - 2.50
5A-00141	30093	U-233/234	0.805 J	0.019	0.053	2.02	1.00 - 2.50
5A-00141	30093	U-238	0.87 J	0.015	0.056	1.8	1.00 - 2.50
5A-00141	30093	Pb-214	0.881	0.028	0.051	1.7	1.00 - 2.50
5A-00141	30093	Tc-99	-0.027 U	0.28	0.084	1.63	1.00 - 2.50
5A-00141	30093	Bi-214	0.841	0.027	0.045	1.59	1.00 - 2.50
5A-00141	30093	Tl-208	0.579	0.021	0.032	0.937	1.00 - 2.50
5A-00141	30093	Pa-231	-0.11 U	0.56	0.17	0.936	1.00 - 2.50
5A-00141	30093	Sr-90	0.0131 U	0.033	0.0099	0.485	1.00 - 2.50
5A-00141	30093	Sb-125	0.142 SK	0.038	0.012	0.354	1.00 - 2.50
5A-00141	30093	Eu-155	0.073 SK	0.035	0.014	0.231	1.00 - 2.50
5A-00141	30093	Ac-227	0.03 U	0.14	0.036	0.217	1.00 - 2.50
5A-00141	30093	Cs-137	0.0333	0.013	0.006	0.207	1.00 - 2.50
5A-00141	30093	U-235/236	0.046 J	0.019	0.011	0.151	1.00 - 2.50
5A-00141	30093	Eu-154	0.009 U	0.092	0.018	0.15	1.00 - 2.50
5A-00141	30093	Th-229	0.0059	0.0084	0.0031	0.145	1.00 - 2.50
5A-00141	30093	Np-239	-0.023 U	0.086	0.026	0.139	1.00 - 2.50
5A-00141	30093	Cs-134	0.0172 U	0.05	0.005	0.0864	1.00 - 2.50
5A-00141	30093	Te-125m	0.0328 SK	0.0089	0.0027	0.0838	1.00 - 2.50
5A-00141	30093	Eu-152	-0.016 U	0.039	0.012	0.0566	1.00 - 2.50
5A-00141	30093	Np-236	0.0097 U	0.028	0.0086	0.047	1.00 - 2.50
5A-00141	30093	Am-241	0.0021 U	0.0028	0.0015	0.0454	1.00 - 2.50
5A-00141	30093	Cm-243/244	0.0021 U	0.0028	0.0015	0.0443	1.00 - 2.50
5A-00141	30093	Ho-166m	0.022 SK	0.017	0.01	0.0432	1.00 - 2.50
5A-00141	30093	Pu-238	0.0002 U	0.0075	0.0016	0.0415	1.00 - 2.50
5A-00141	30093	Pu-239/240	0.0027	0.0024	0.0016	0.0404	1.00 - 2.50
5A-00141	30093	Cm-245/246	-0.0025 U	0.0089	0.0014	0.0401	1.00 - 2.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00141	30093	Na-22	-0.0003 U	0.024	0.0071	0.037	1.00 - 2.50
5A-00141	30093	Pu-244	0.0012 U	0.0053	0.0014	0.0313	1.00 - 2.50
5A-00141	30093	Cm-247/248	-0.0008 U	0.006	0.0008	0.0306	1.00 - 2.50
5A-00141	30093	Co-60	0.0039 U	0.019	0.0057	0.028	1.00 - 2.50
5A-00141	30093	Sn-126	0.0052 U	0.013	0.004	0.0237	1.00 - 2.50
5A-00141	30093	Nb-94	0.0098 SK	0.013	0.006	0.0214	1.00 - 2.50
5A-00142	30094	Cd-113m	7 U	35	11	3030	1.00 - 5.00
5A-00142	30094	Tm-171	0.3 U	5.9	1.8	72.4	1.00 - 5.00
5A-00142	30094	K-40	19.6	0.13	0.998	32.4	1.00 - 5.00
5A-00142	30094	Ni-59	0 U	0.17	0.044	8.39	1.00 - 5.00
5A-00142	30094	Ni-63	-0.29 U	0.71	0.21	4.92	1.00 - 5.00
5A-00142	30094	Th-228	1.79	0.02	0.089	3.98	1.00 - 5.00
5A-00142	30094	Th-234	1.75 R	0.14	0.12	3.19	1.00 - 5.00
5A-00142	30094	Th-232	1.75	0.003	0.087	3.1	1.00 - 5.00
5A-00142	30094	C-14	-0.0011 U	0.026	0.0079	2.96	1.00 - 5.00
5A-00142	30094	Pb-212	2.08	0.02	0.14	2.69	1.00 - 5.00
5A-00142	30094	Th-230	1.17	0.012	0.062	2.2	1.00 - 5.00
5A-00142	30094	Bi-212	1.27	0.1	0.086	2.15	1.00 - 5.00
5A-00142	30094	U-233/234	1.07 J	0.004	0.061	2.02	1.00 - 5.00
5A-00142	30094	U-238	1.06 J	0.004	0.061	1.8	1.00 - 5.00
5A-00142	30094	Pb-214	0.934	0.024	0.051	1.7	1.00 - 5.00
5A-00142	30094	Tc-99	0.005 U	0.26	0.079	1.63	1.00 - 5.00
5A-00142	30094	Bi-214	0.815	0.021	0.044	1.59	1.00 - 5.00
5A-00142	30094	Tl-208	0.605	0.014	0.032	0.937	1.00 - 5.00
5A-00142	30094	Pa-231	0.01 U	0.53	0.16	0.936	1.00 - 5.00
5A-00142	30094	Sr-90	0.0099 U	0.032	0.0095	0.485	1.00 - 5.00
5A-00142	30094	Sb-125	0.191 SK	0.035	0.014	0.354	1.00 - 5.00
5A-00142	30094	Eu-155	0.102 SK	0.033	0.015	0.231	1.00 - 5.00
5A-00142	30094	Ac-227	0.073 K R	0.12	0.015	0.217	1.00 - 5.00
5A-00142	30094	Cs-137	-0.0001 U	0.012	0.0037	0.207	1.00 - 5.00
5A-00142	30094	U-235/236	0.065 J	0.005	0.012	0.151	1.00 - 5.00
5A-00142	30094	Eu-154	-0.0005 U	0.081	0.0009	0.15	1.00 - 5.00
5A-00142	30094	Th-229	0.0194	0.011	0.0058	0.145	1.00 - 5.00
5A-00142	30094	Np-239	-0.009 U	0.081	0.024	0.139	1.00 - 5.00
5A-00142	30094	Cs-134	0.0035 U	0.045	0.003	0.0864	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00142	30094	Te-125m	0.0441 SK	0.008	0.0032	0.0838	1.00 - 5.00
5A-00142	30094	Eu-152	-0.011 U	0.033	0.01	0.0566	1.00 - 5.00
5A-00142	30094	Np-236	0.0004 U	0.028	0.0085	0.047	1.00 - 5.00
5A-00142	30094	Am-241	0.0025 U	0.0078	0.0022	0.0454	1.00 - 5.00
5A-00142	30094	Cm-243/244	0 U	0.0023	0.0009	0.0443	1.00 - 5.00
5A-00142	30094	Ho-166m	0.0073 SK	0.014	0.0051	0.0432	1.00 - 5.00
5A-00142	30094	Pu-238	0.0021 U	0.0074	0.002	0.0415	1.00 - 5.00
5A-00142	30094	Pu-239/240	0.0027	0.0048	0.0017	0.0404	1.00 - 5.00
5A-00142	30094	Cm-245/246	0.0012 U	0.0086	0.002	0.0401	1.00 - 5.00
5A-00142	30094	Na-22	0 U	0.02	0.0059	0.037	1.00 - 5.00
5A-00142	30094	Pu-244	0.0016	0.0022	0.0011	0.0313	1.00 - 5.00
5A-00142	30094	Cm-247/248	0.0011 U	0.0031	0.0011	0.0306	1.00 - 5.00
5A-00142	30094	Co-60	-0.0001 U	0.015	0.0043	0.028	1.00 - 5.00
5A-00142	30094	Sn-126	0.0037 U	0.012	0.0036	0.0237	1.00 - 5.00
5A-00142	30094	Nb-94	0.0049 U	0.012	0.0035	0.0214	1.00 - 5.00
5A-00143	30095	Cd-113m	-9 U	37	11	3030	0.00 - 0.50
5A-00143	30096	Cd-113m	-3 U	44	13	3030	1.00 - 5.00
5A-00143	30095	Tm-171	0.6 U J	4.5	1.3	72.4	0.00 - 0.50
5A-00143	30096	Tm-171	1.1 U	8.3	2.5	72.4	1.00 - 5.00
5A-00143	30095	K-40	21.9	0.1	1.1	32.4	0.00 - 0.50
5A-00143	30096	K-40	21	0.1	1	32.4	1.00 - 5.00
5A-00143	30095	Ni-59	0 U	0.47	0.12	8.39	0.00 - 0.50
5A-00143	30096	Ni-59	0 U	0.18	0.075	8.39	1.00 - 5.00
5A-00143	30095	Ni-63	0.42	0.68	0.21	4.92	0.00 - 0.50
5A-00143	30096	Ni-63	0.01 U	0.63	0.19	4.92	1.00 - 5.00
5A-00143	30095	Th-228	1.1	0.032	0.062	3.98	0.00 - 0.50
5A-00143	30096	Th-228	1.35	0.014	0.068	3.98	1.00 - 5.00
5A-00143	30095	Th-234	0.426 R	0.15	0.052	3.19	0.00 - 0.50
5A-00143	30096	Th-234	1.4 R	0.21	0.097	3.19	1.00 - 5.00
5A-00143	30095	Th-232	1.22	0.004	0.067	3.1	0.00 - 0.50
5A-00143	30096	Th-232	1.3	0.003	0.066	3.1	1.00 - 5.00
5A-00143	30095	C-14	0.011 U	0.046	0.014	2.96	0.00 - 0.50
5A-00143	30096	C-14	0.0043 U	0.033	0.0099	2.96	1.00 - 5.00
5A-00143	30095	Pb-212	1.63	0.024	0.091	2.69	0.00 - 0.50
5A-00143	30096	Pb-212	1.54	0.024	0.076	2.69	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00143	30095	Th-230	0.853	0.011	0.051	2.2	0.00 - 0.50
5A-00143	30096	Th-230	0.997	0.008	0.053	2.2	1.00 - 5.00
5A-00143	30095	Bi-212	0.972	0.12	0.08	2.15	0.00 - 0.50
5A-00143	30096	Bi-212	0.966	0.12	0.077	2.15	1.00 - 5.00
5A-00143	30095	U-233/234	0.94	0.004	0.053	2.02	0.00 - 0.50
5A-00143	30096	U-233/234	0.79	0.009	0.045	2.02	1.00 - 5.00
5A-00143	30095	U-238	0.813	0.01	0.047	1.8	0.00 - 0.50
5A-00143	30096	U-238	0.845	0.003	0.048	1.8	1.00 - 5.00
5A-00143	30095	Pb-214	0.892	0.027	0.046	1.7	0.00 - 0.50
5A-00143	30096	Pb-214	0.852	0.027	0.05	1.7	1.00 - 5.00
5A-00143	30095	Tc-99	-0.053 U	0.3	0.092	1.63	0.00 - 0.50
5A-00143	30096	Tc-99	-0.048 U	0.27	0.08	1.63	1.00 - 5.00
5A-00143	30095	Bi-214	0.807	0.028	0.044	1.59	0.00 - 0.50
5A-00143	30096	Bi-214	0.76	0.029	0.042	1.59	1.00 - 5.00
5A-00143	30095	Tl-208	0.49 J	0.017	0.026	0.937	0.00 - 0.50
5A-00143	30096	Tl-208	0.49	0.018	0.027	0.937	1.00 - 5.00
5A-00143	30095	Pa-231	0.124 U	0.58	0.077	0.936	0.00 - 0.50
5A-00143	30096	Pa-231	0.05 U	0.64	0.19	0.936	1.00 - 5.00
5A-00143	30095	Sr-90	0.031	0.034	0.011	0.485	0.00 - 0.50
5A-00143	30096	Sr-90	0.022 U	0.046	0.014	0.485	1.00 - 5.00
5A-00143	30095	Sb-125	0.124 SK	0.043	0.011	0.354	0.00 - 0.50
5A-00143	30096	Sb-125	0.123 JSK	0.045	0.013	0.354	1.00 - 5.00
5A-00143	30095	Eu-155	0.064 SK	0.034	0.014	0.231	0.00 - 0.50
5A-00143	30096	Eu-155	0.092 SK	0.05	0.022	0.231	1.00 - 5.00
5A-00143	30095	Ac-227	0.02 U	0.14	0.029	0.217	0.00 - 0.50
5A-00143	30096	Ac-227	0.016 U	0.15	0.035	0.217	1.00 - 5.00
5A-00143	30095	Cs-137	0.0898	0.014	0.0084	0.207	0.00 - 0.50
5A-00143	30096	Cs-137	0.0001 U	0.017	0.0051	0.207	1.00 - 5.00
5A-00143	30095	U-235/236	0.0534	0.0044	0.0096	0.151	0.00 - 0.50
5A-00143	30096	U-235/236	0.041	0.0041	0.0081	0.151	1.00 - 5.00
5A-00143	30095	Eu-154	0.014 U	0.11	0.025	0.15	0.00 - 0.50
5A-00143	30096	Eu-154	0.007 U	0.1	0.016	0.15	1.00 - 5.00
5A-00143	30095	Th-229	0.0047	0.007	0.0025	0.145	0.00 - 0.50
5A-00143	30096	Th-229	0.0108	0.0088	0.004	0.145	1.00 - 5.00
5A-00143	30095	Np-239	0.012 U	0.083	0.025	0.139	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00143	30096	Np-239	0.002 U	0.079	0.024	0.139	1.00 - 5.00
5A-00143	30095	Cs-134	0.0141 U	0.052	0.0044	0.0864	0.00 - 0.50
5A-00143	30096	Cs-134	0.0128 U	0.059	0.0045	0.0864	1.00 - 5.00
5A-00143	30095	Te-125m	0.0287 SK	0.0099	0.0026	0.0838	0.00 - 0.50
5A-00143	30096	Te-125m	0.0284 JSK	0.01	0.0029	0.0838	1.00 - 5.00
5A-00143	30095	Eu-152	-0.011 U	0.037	0.011	0.0566	0.00 - 0.50
5A-00143	30096	Eu-152	0.0082 U	0.024	0.0073	0.0566	1.00 - 5.00
5A-00143	30095	Np-236	-0.013 U	0.031	0.0094	0.047	0.00 - 0.50
5A-00143	30096	Np-236	-0.008 U	0.038	0.011	0.047	1.00 - 5.00
5A-00143	30095	Am-241	0.0018 U	0.0024	0.0013	0.0454	0.00 - 0.50
5A-00143	30096	Am-241	0.0036	0.0088	0.0027	0.0454	1.00 - 5.00
5A-00143	30095	Cm-243/244	-0.0009 U	0.0085	0.0016	0.0443	0.00 - 0.50
5A-00143	30096	Cm-243/244	-0.0012 U	0.013	0.0027	0.0443	1.00 - 5.00
5A-00143	30095	Ho-166m	0.0192 JSK	0.023	0.0062	0.0432	0.00 - 0.50
5A-00143	30096	Ho-166m	-0.0012 U R	0.026	0.0009	0.0432	1.00 - 5.00
5A-00143	30095	Pu-238	0.0047	0.0059	0.0023	0.0415	0.00 - 0.50
5A-00143	30096	Pu-238	0.0017 U	0.0064	0.0017	0.0415	1.00 - 5.00
5A-00143	30095	Pu-239/240	0.0024	0.0022	0.0014	0.0404	0.00 - 0.50
5A-00143	30096	Pu-239/240	0.0031	0.0021	0.0015	0.0404	1.00 - 5.00
5A-00143	30095	Cm-245/246	0.0041	0.0028	0.002	0.0401	0.00 - 0.50
5A-00143	30096	Cm-245/246	0.001 U	0.0026	0.001	0.0401	1.00 - 5.00
5A-00143	30095	Na-22	0.0001 U	0.027	0.0079	0.037	0.00 - 0.50
5A-00143	30096	Na-22	0.0013 U	0.023	0.0069	0.037	1.00 - 5.00
5A-00143	30095	Pu-244	0.0032	0.0022	0.0016	0.0313	0.00 - 0.50
5A-00143	30096	Pu-244	0.0015	0.0021	0.0011	0.0313	1.00 - 5.00
5A-00143	30095	Cm-247/248	-0.002 U	0.0093	0.0014	0.0306	0.00 - 0.50
5A-00143	30096	Cm-247/248	-0.001 U	0.007	0.001	0.0306	1.00 - 5.00
5A-00143	30095	Co-60	0.0057 U	0.02	0.005	0.028	0.00 - 0.50
5A-00143	30096	Co-60	0 U	0.018	0.0053	0.028	1.00 - 5.00
5A-00143	30095	Sn-126	0.0033 U	0.016	0.0049	0.0237	0.00 - 0.50
5A-00143	30096	Sn-126	0.0014 U	0.016	0.0046	0.0237	1.00 - 5.00
5A-00143	30095	Nb-94	0.0017 U	0.014	0.0029	0.0214	0.00 - 0.50
5A-00143	30096	Nb-94	0.0034 U	0.013	0.0026	0.0214	1.00 - 5.00
5A-00144	30097	Cd-113m	8 U	33	10	3030	0.00 - 0.50
5A-00144	30098	Cd-113m	-6 U	39	12	3030	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00144	30097	Tm-171	-1.3 U J	5.3	1.6	72.4	0.00 - 0.50
5A-00144	30098	Tm-171	2.5 U J	6.1	1.8	72.4	1.00 - 5.00
5A-00144	30097	K-40	22.2	0.1	1.1	32.4	0.00 - 0.50
5A-00144	30098	K-40	20.3	0.14	0.999	32.4	1.00 - 5.00
5A-00144	30097	Ni-59	0 U	0.4	0.11	8.39	0.00 - 0.50
5A-00144	30098	Ni-59	0 U	0.21	0.053	8.39	1.00 - 5.00
5A-00144	30097	Ni-63	0.11 U	0.63	0.19	4.92	0.00 - 0.50
5A-00144	30098	Ni-63	-0.01 U	0.64	0.2	4.92	1.00 - 5.00
5A-00144	30097	Th-228	1.35	0.026	0.072	3.98	0.00 - 0.50
5A-00144	30098	Th-228	1.36	0.015	0.067	3.98	1.00 - 5.00
5A-00144	30097	Th-234	1.52 R	0.13	0.1	3.19	0.00 - 0.50
5A-00144	30098	Th-234	0.676 R	0.16	0.063	3.19	1.00 - 5.00
5A-00144	30097	Th-232	1.31	0.013	0.07	3.1	0.00 - 0.50
5A-00144	30098	Th-232	1.38	0.009	0.068	3.1	1.00 - 5.00
5A-00144	30097	C-14	0.0099 U	0.025	0.0077	2.96	0.00 - 0.50
5A-00144	30098	C-14	0.016 U	0.089	0.027	2.96	1.00 - 5.00
5A-00144	30097	Pb-212	1.69	0.02	0.11	2.69	0.00 - 0.50
5A-00144	30098	Pb-212	1.82	0.03	0.1	2.69	1.00 - 5.00
5A-00144	30097	Th-230	1.03	0.013	0.058	2.2	0.00 - 0.50
5A-00144	30098	Th-230	0.999	0.003	0.052	2.2	1.00 - 5.00
5A-00144	30097	Bi-212	1.13	0.11	0.086	2.15	0.00 - 0.50
5A-00144	30098	Bi-212	1.08	0.15	0.091	2.15	1.00 - 5.00
5A-00144	30097	U-233/234	0.738	0.003	0.041	2.02	0.00 - 0.50
5A-00144	30098	U-233/234	0.686	0.003	0.039	2.02	1.00 - 5.00
5A-00144	30097	U-238	0.751	0.007	0.042	1.8	0.00 - 0.50
5A-00144	30098	U-238	0.708	0.007	0.04	1.8	1.00 - 5.00
5A-00144	30097	Pb-214	0.88	0.022	0.048	1.7	0.00 - 0.50
5A-00144	30098	Pb-214	0.896	0.028	0.047	1.7	1.00 - 5.00
5A-00144	30097	Tc-99	-0.004 U	0.29	0.087	1.63	0.00 - 0.50
5A-00144	30098	Tc-99	-0.033 U	0.28	0.085	1.63	1.00 - 5.00
5A-00144	30097	Bi-214	0.784	0.021	0.043	1.59	0.00 - 0.50
5A-00144	30098	Bi-214	0.794	0.026	0.042	1.59	1.00 - 5.00
5A-00144	30097	Tl-208	0.521 J	0.014	0.028	0.937	0.00 - 0.50
5A-00144	30098	Tl-208	0.563	0.016	0.03	0.937	1.00 - 5.00
5A-00144	30097	Pa-231	-0.02 U	0.46	0.14	0.936	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00144	30098	Pa-231	-0.1 U	0.56	0.17	0.936	1.00 - 5.00
5A-00144	30097	Sr-90	0.046	0.035	0.012	0.485	0.00 - 0.50
5A-00144	30098	Sr-90	-0.005 U	0.037	0.01	0.485	1.00 - 5.00
5A-00144	30097	Sb-125	0.131 SK	0.029	0.01	0.354	0.00 - 0.50
5A-00144	30098	Sb-125	0.168 SK	0.046	0.014	0.354	1.00 - 5.00
5A-00144	30097	Eu-155	0.0518 SK	0.028	0.0091	0.231	0.00 - 0.50
5A-00144	30098	Eu-155	0.083 SK	0.035	0.014	0.231	1.00 - 5.00
5A-00144	30097	Ac-227	0.035 U	0.12	0.035	0.217	0.00 - 0.50
5A-00144	30098	Ac-227	0.036 U	0.15	0.039	0.217	1.00 - 5.00
5A-00144	30097	Cs-137	0.0111	0.0094	0.003	0.207	0.00 - 0.50
5A-00144	30098	Cs-137	0.0126	0.018	0.0068	0.207	1.00 - 5.00
5A-00144	30097	U-235/236	0.0443	0.0034	0.0077	0.151	0.00 - 0.50
5A-00144	30098	U-235/236	0.0273	0.011	0.0063	0.151	1.00 - 5.00
5A-00144	30097	Eu-154	-0.028 U	0.082	0.025	0.15	0.00 - 0.50
5A-00144	30098	Eu-154	-0.033 U	0.11	0.034	0.15	1.00 - 5.00
5A-00144	30097	Th-229	0.0047	0.01	0.0031	0.145	0.00 - 0.50
5A-00144	30098	Th-229	0.0177	0.013	0.0062	0.145	1.00 - 5.00
5A-00144	30097	Np-239	-0.003 U	0.075	0.023	0.139	0.00 - 0.50
5A-00144	30098	Np-239	-0.012 U	0.092	0.028	0.139	1.00 - 5.00
5A-00144	30097	Cs-134	0.0156 U	0.044	0.004	0.0864	0.00 - 0.50
5A-00144	30098	Cs-134	0.012 U	0.03	0.0042	0.0864	1.00 - 5.00
5A-00144	30097	Te-125m	0.0302 SK	0.0067	0.0023	0.0838	0.00 - 0.50
5A-00144	30098	Te-125m	0.0389 SK	0.011	0.0032	0.0838	1.00 - 5.00
5A-00144	30097	Eu-152	-0.0157 U	0.031	0.0094	0.0566	0.00 - 0.50
5A-00144	30098	Eu-152	0.0022 U	0.04	0.0017	0.0566	1.00 - 5.00
5A-00144	30097	Np-236	-0.009 U	0.026	0.008	0.047	0.00 - 0.50
5A-00144	30098	Np-236	0.0078 U	0.03	0.009	0.047	1.00 - 5.00
5A-00144	30097	Am-241	-0.0011 U	0.01	0.0019	0.0454	0.00 - 0.50
5A-00144	30098	Am-241	0.0034	0.0062	0.0021	0.0454	1.00 - 5.00
5A-00144	30097	Cm-243/244	-0.0011 U	0.01	0.0019	0.0443	0.00 - 0.50
5A-00144	30098	Cm-243/244	0 U	0.0063	0.0012	0.0443	1.00 - 5.00
5A-00144	30097	Ho-166m	0.0081 U J	0.018	0.0052	0.0432	0.00 - 0.50
5A-00144	30098	Ho-166m	0.0107 U	0.024	0.0075	0.0432	1.00 - 5.00
5A-00144	30097	Pu-238	0.0026	0.0046	0.0016	0.0415	0.00 - 0.50
5A-00144	30098	Pu-238	0.0015	0.002	0.001	0.0415	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00144	30097	Pu-239/240	0.0031	0.0021	0.0016	0.0404	0.00 - 0.50
5A-00144	30098	Pu-239/240	0.0022	0.002	0.0013	0.0404	1.00 - 5.00
5A-00144	30097	Cm-245/246	0.0028	0.0068	0.0021	0.0401	0.00 - 0.50
5A-00144	30098	Cm-245/246	0.0024 U	0.0033	0.0017	0.0401	1.00 - 5.00
5A-00144	30097	Na-22	-0.0007 U	0.02	0.0059	0.037	0.00 - 0.50
5A-00144	30098	Na-22	0.0058 U	0.027	0.0079	0.037	1.00 - 5.00
5A-00144	30097	Pu-244	0.0015	0.0021	0.0011	0.0313	0.00 - 0.50
5A-00144	30098	Pu-244	0 U	0.002	0.0004	0.0313	1.00 - 5.00
5A-00144	30097	Cm-247/248	0.0027	0.0025	0.0016	0.0306	0.00 - 0.50
5A-00144	30098	Cm-247/248	0 U	0.0088	0.0017	0.0306	1.00 - 5.00
5A-00144	30097	Co-60	0.0066 U	0.015	0.0045	0.028	0.00 - 0.50
5A-00144	30098	Co-60	0.0044 U	0.02	0.004	0.028	1.00 - 5.00
5A-00144	30097	Sn-126	0 U	0.012	0.0035	0.0237	0.00 - 0.50
5A-00144	30098	Sn-126	0.0007 U	0.018	0.0053	0.0237	1.00 - 5.00
5A-00144	30097	Nb-94	0.0026 U	0.011	0.0033	0.0214	0.00 - 0.50
5A-00144	30098	Nb-94	0.003 U	0.015	0.0046	0.0214	1.00 - 5.00
5A-00145	30099	Cd-113m	-5.3 U	25	7.6	3030	0.00 - 0.50
5A-00145	30099	Tm-171	-2.6 U	4.1	1.3	72.4	0.00 - 0.50
5A-00145	30099	K-40	20	0.1	1	32.4	0.00 - 0.50
5A-00145	30099	Ni-59	0 U	0.14	0.035	8.39	0.00 - 0.50
5A-00145	30099	Ni-63	0.02 U	0.59	0.18	4.92	0.00 - 0.50
5A-00145	30099	Th-228	1.35	0.038	0.078	3.98	0.00 - 0.50
5A-00145	30099	Th-234	1.34 R	0.11	0.09	3.19	0.00 - 0.50
5A-00145	30099	Th-232	1.36	0.018	0.077	3.1	0.00 - 0.50
5A-00145	30099	C-14	0.003 U J	0.065	0.019	2.96	0.00 - 0.50
5A-00145	30099	Pb-212	1.52	0.018	0.099	2.69	0.00 - 0.50
5A-00145	30099	Th-230	0.989	0.018	0.061	2.2	0.00 - 0.50
5A-00145	30099	Bi-212	0.96	0.082	0.066	2.15	0.00 - 0.50
5A-00145	30099	U-233/234	0.924	0.009	0.052	2.02	0.00 - 0.50
5A-00145	30099	U-238	0.918	0.003	0.052	1.8	0.00 - 0.50
5A-00145	30099	Pb-214	0.77	0.019	0.041	1.7	0.00 - 0.50
5A-00145	30099	Tc-99	-0.005 U	0.26	0.08	1.63	0.00 - 0.50
5A-00145	30099	Bi-214	0.682	0.017	0.037	1.59	0.00 - 0.50
5A-00145	30099	Tl-208	0.473	0.012	0.026	0.937	0.00 - 0.50
5A-00145	30099	Pa-231	-0.08 U	0.41	0.12	0.936	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00145	30099	Sr-90	0.016 U	0.035	0.011	0.485	0.00 - 0.50
5A-00145	30099	Sb-125	0.0938 SK	0.028	0.007	0.354	0.00 - 0.50
5A-00145	30099	Eu-155	0.066 SK	0.027	0.011	0.231	0.00 - 0.50
5A-00145	30099	Ac-227	0.04 U	0.099	0.027	0.217	0.00 - 0.50
5A-00145	30099	Cs-137	0.0211	0.0084	0.0041	0.207	0.00 - 0.50
5A-00145	30099	U-235/236	0.0572	0.0043	0.0098	0.151	0.00 - 0.50
5A-00145	30099	Eu-154	-0.033 U	0.062	0.019	0.15	0.00 - 0.50
5A-00145	30099	Th-229	0.0188	0.0032	0.0048	0.145	0.00 - 0.50
5A-00145	30099	Np-239	-0.016 U	0.065	0.02	0.139	0.00 - 0.50
5A-00145	30099	Cs-134	0.0023 U	0.029	0.0017	0.0864	0.00 - 0.50
5A-00145	30099	Te-125m	0.0217 SK	0.0064	0.0016	0.0838	0.00 - 0.50
5A-00145	30099	Eu-152	0.0037 U	0.024	0.0024	0.0566	0.00 - 0.50
5A-00145	30099	Np-236	-0.0057 U	0.021	0.0064	0.047	0.00 - 0.50
5A-00145	30099	Am-241	0 U	0.008	0.0018	0.0454	0.00 - 0.50
5A-00145	30099	Cm-243/244	0.0008 U	0.002	0.0008	0.0443	0.00 - 0.50
5A-00145	30099	Ho-166m	-0.0003 U	0.016	0.0049	0.0432	0.00 - 0.50
5A-00145	30099	Pu-238	-0.0002 U	0.006	0.0011	0.0415	0.00 - 0.50
5A-00145	30099	Pu-239/240	0.0011 U	0.0049	0.0013	0.0404	0.00 - 0.50
5A-00145	30099	Cm-245/246	0.0014 U	0.0019	0.001	0.0401	0.00 - 0.50
5A-00145	30099	Na-22	-0.001 U	0.015	0.0046	0.037	0.00 - 0.50
5A-00145	30099	Pu-244	0.0011 U	0.0048	0.0013	0.0313	0.00 - 0.50
5A-00145	30099	Cm-247/248	0.0007 U	0.0051	0.0012	0.0306	0.00 - 0.50
5A-00145	30099	Co-60	0.0012 U	0.012	0.0024	0.028	0.00 - 0.50
5A-00145	30099	Sn-126	0.0016 U	0.0095	0.0029	0.0237	0.00 - 0.50
5A-00145	30099	Nb-94	0.0034 U	0.0085	0.0026	0.0214	0.00 - 0.50
5A-00146	30101	Cd-113m	0.2 U	37	11	3030	0.00 - 0.50
5A-00146	30102	Cd-113m	-4 U	45	14	3030	1.00 - 4.00
5A-00146	30101	Tm-171	0.2 U J	5.6	1.7	72.4	0.00 - 0.50
5A-00146	30102	Tm-171	-2.4 U J	7.4	2.2	72.4	1.00 - 4.00
5A-00146	30101	K-40	23.2	0.1	1.2	32.4	0.00 - 0.50
5A-00146	30102	K-40	21.7	0.2	1.1	32.4	1.00 - 4.00
5A-00146	30101	Ni-59	0 U	0.45	0.11	8.39	0.00 - 0.50
5A-00146	30102	Ni-59	0 U	0.19	0.063	8.39	1.00 - 4.00
5A-00146	30101	Ni-63	0.31 U	0.69	0.21	4.92	0.00 - 0.50
5A-00146	30102	Ni-63	0.27 U	0.59	0.18	4.92	1.00 - 4.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00146	30101	Th-228	1.29	0.019	0.064	3.98	0.00 - 0.50
5A-00146	30102	Th-228	1.54	0.019	0.076	3.98	1.00 - 4.00
5A-00146	30101	Th-234	1.63 R	0.14	0.11	3.19	0.00 - 0.50
5A-00146	30102	Th-234	0.73 R	0.18	0.068	3.19	1.00 - 4.00
5A-00146	30101	Th-232	1.29	0.01	0.064	3.1	0.00 - 0.50
5A-00146	30102	Th-232	1.53	0.009	0.075	3.1	1.00 - 4.00
5A-00146	30101	C-14	0.049 J	0.079	0.024	2.96	0.00 - 0.50
5A-00146	30102	C-14	-0.0025 U	0.027	0.008	2.96	1.00 - 4.00
5A-00146	30101	Pb-212	1.89	0.02	0.12	2.69	0.00 - 0.50
5A-00146	30102	Pb-212	1.86	0.027	0.091	2.69	1.00 - 4.00
5A-00146	30101	Th-230	0.937	0.002	0.048	2.2	0.00 - 0.50
5A-00146	30102	Th-230	1.13	0.009	0.058	2.2	1.00 - 4.00
5A-00146	30101	Bi-212	1.17	0.11	0.087	2.15	0.00 - 0.50
5A-00146	30102	Bi-212	1.15	0.15	0.097	2.15	1.00 - 4.00
5A-00146	30101	U-233/234	0.676	0.009	0.04	2.02	0.00 - 0.50
5A-00146	30102	U-233/234	1.02	0.01	0.056	2.02	1.00 - 4.00
5A-00146	30101	U-238	0.664	0.003	0.039	1.8	0.00 - 0.50
5A-00146	30102	U-238	1.06	0.01	0.058	1.8	1.00 - 4.00
5A-00146	30101	Pb-214	0.993	0.022	0.054	1.7	0.00 - 0.50
5A-00146	30102	Pb-214	1.06	0.031	0.061	1.7	1.00 - 4.00
5A-00146	30101	Tc-99	-0.069 U	0.29	0.088	1.63	0.00 - 0.50
5A-00146	30102	Tc-99	-0.024 U	0.28	0.085	1.63	1.00 - 4.00
5A-00146	30101	Bi-214	0.836	0.021	0.045	1.59	0.00 - 0.50
5A-00146	30102	Bi-214	0.981	0.029	0.052	1.59	1.00 - 4.00
5A-00146	30101	Tl-208	0.558 J	0.015	0.03	0.937	0.00 - 0.50
5A-00146	30102	Tl-208	0.626	0.021	0.034	0.937	1.00 - 4.00
5A-00146	30101	Pa-231	0.07 U	0.51	0.15	0.936	0.00 - 0.50
5A-00146	30102	Pa-231	-0.05 U	0.61	0.18	0.936	1.00 - 4.00
5A-00146	30101	Sr-90	0.04	0.04	0.013	0.485	0.00 - 0.50
5A-00146	30102	Sr-90	0.02 U	0.047	0.014	0.485	1.00 - 4.00
5A-00146	30101	Sb-125	0.144 SK	0.037	0.011	0.354	0.00 - 0.50
5A-00146	30102	Sb-125	0.186 SK	0.048	0.016	0.354	1.00 - 4.00
5A-00146	30101	Eu-155	0.092 SK	0.03	0.013	0.231	0.00 - 0.50
5A-00146	30102	Eu-155	0.006 U L	0.04	0.012	0.231	1.00 - 4.00
5A-00146	30101	Ac-227	0.066	0.12	0.019	0.217	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00146	30102	Ac-227	0.018 U	0.15	0.062	0.217	1.00 - 4.00
5A-00146	30101	Cs-137	0.0191	0.01	0.0033	0.207	0.00 - 0.50
5A-00146	30102	Cs-137	0.0103 K R	0.013	0.004	0.207	1.00 - 4.00
5A-00146	30101	U-235/236	0.0263	0.004	0.0063	0.151	0.00 - 0.50
5A-00146	30102	U-235/236	0.0358	0.012	0.0081	0.151	1.00 - 4.00
5A-00146	30101	Eu-154	0.013 U	0.091	0.013	0.15	0.00 - 0.50
5A-00146	30102	Eu-154	0.012 U	0.099	0.018	0.15	1.00 - 4.00
5A-00146	30101	Th-229	0.0106	0.0026	0.0032	0.145	0.00 - 0.50
5A-00146	30102	Th-229	0.0105	0.004	0.004	0.145	1.00 - 4.00
5A-00146	30101	Np-239	0.0004 U	0.08	0.024	0.139	0.00 - 0.50
5A-00146	30102	Np-239	-0.009 U	0.092	0.028	0.139	1.00 - 4.00
5A-00146	30101	Cs-134	0.0172 U	0.044	0.0043	0.0864	0.00 - 0.50
5A-00146	30102	Cs-134	0.0212 U	0.054	0.0062	0.0864	1.00 - 4.00
5A-00146	30101	Te-125m	0.0332 SK	0.0086	0.0025	0.0838	0.00 - 0.50
5A-00146	30102	Te-125m	0.0429 SK	0.011	0.0037	0.0838	1.00 - 4.00
5A-00146	30101	Eu-152	0.007 U	0.032	0.01	0.0566	0.00 - 0.50
5A-00146	30102	Eu-152	-0.014 U	0.042	0.013	0.0566	1.00 - 4.00
5A-00146	30101	Np-236	-0.0079 U	0.028	0.0084	0.047	0.00 - 0.50
5A-00146	30102	Np-236	0.008 U	0.034	0.01	0.047	1.00 - 4.00
5A-00146	30101	Am-241	0 U	0.0076	0.0015	0.0454	0.00 - 0.50
5A-00146	30102	Am-241	0.0014 U	0.0018	0.001	0.0454	1.00 - 4.00
5A-00146	30101	Cm-243/244	0 U	0.0028	0.001	0.0443	0.00 - 0.50
5A-00146	30102	Cm-243/244	0.0007 U	0.0018	0.0007	0.0443	1.00 - 4.00
5A-00146	30101	Ho-166m	0.0049 U J	0.018	0.0062	0.0432	0.00 - 0.50
5A-00146	30102	Ho-166m	0.008 U	0.029	0.0053	0.0432	1.00 - 4.00
5A-00146	30101	Pu-238	-0.0001 U	0.0052	0.0009	0.0415	0.00 - 0.50
5A-00146	30102	Pu-238	0.0006 U	0.0053	0.0012	0.0415	1.00 - 4.00
5A-00146	30101	Pu-239/240	0.0017	0.0042	0.0013	0.0404	0.00 - 0.50
5A-00146	30102	Pu-239/240	0.0039	0.0043	0.0018	0.0404	1.00 - 4.00
5A-00146	30101	Cm-245/246	0.0031	0.0028	0.0018	0.0401	0.00 - 0.50
5A-00146	30102	Cm-245/246	-0.0004 U	0.014	0.0026	0.0401	1.00 - 4.00
5A-00146	30101	Na-22	-0.0004 U	0.025	0.0076	0.037	0.00 - 0.50
5A-00146	30102	Na-22	-0.0065 U	0.025	0.0076	0.037	1.00 - 4.00
5A-00146	30101	Pu-244	0 U	0.0019	0.0004	0.0313	0.00 - 0.50
5A-00146	30102	Pu-244	0.0032	0.0043	0.0017	0.0313	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00146	30101	Cm-247/248	0 U	0.0074	0.0014	0.0306	0.00 - 0.50
5A-00146	30102	Cm-247/248	0.0019 U	0.0052	0.0019	0.0306	1.00 - 4.00
5A-00146	30101	Co-60	0.0038 U	0.016	0.0048	0.028	0.00 - 0.50
5A-00146	30102	Co-60	0.0032 U	0.02	0.0061	0.028	1.00 - 4.00
5A-00146	30101	Sn-126	0.0015 U	0.013	0.004	0.0237	0.00 - 0.50
5A-00146	30102	Sn-126	0.0064 U	0.017	0.0053	0.0237	1.00 - 4.00
5A-00146	30101	Nb-94	0.0012 U	0.011	0.002	0.0214	0.00 - 0.50
5A-00146	30102	Nb-94	0.0066 U	0.016	0.0049	0.0214	1.00 - 4.00
5A-00147	30103	Cd-113m	-46.6 U	108	37.2	3030	1.00 - 5.00
5A-00147	30103	Tm-171	-4.49 U	7.42	2.78	72.4	1.00 - 5.00
5A-00147	30103	K-40	21	0.121	1.13	32.4	1.00 - 5.00
5A-00147	30103	Ni-59	0.162 U	5.49	1.45	8.39	1.00 - 5.00
5A-00147	30103	Ni-63	0.418 U	1.26	0.382	4.92	1.00 - 5.00
5A-00147	30103	Th-228	1.59	0.0728	0.158	3.98	1.00 - 5.00
5A-00147	30103	Th-234	1.38 J	0.204	0.138	3.19	1.00 - 5.00
5A-00147	30103	Th-232	1.22	0.0213	0.122	3.1	1.00 - 5.00
5A-00147	30103	C-14	0.103 U	0.873	0.262	2.96	1.00 - 5.00
5A-00147	30103	Pb-212	1.62	0.0342	0.0903	2.69	1.00 - 5.00
5A-00147	30103	Th-230	0.905	0.0213	0.1	2.2	1.00 - 5.00
5A-00147	30103	Bi-212	0.96 J	0.171	0.102	2.15	1.00 - 5.00
5A-00147	30103	U-233/234	0.943	0.0495	0.1	2.02	1.00 - 5.00
5A-00147	30103	U-238	0.926	0.0348	0.0986	1.8	1.00 - 5.00
5A-00147	30103	Pb-214	0.999	0.0296	0.0479	1.7	1.00 - 5.00
5A-00147	30103	Tc-99	0.248 U	1.32	0.392	1.63	1.00 - 5.00
5A-00147	30103	Bi-214	0.967	0.0297	0.0479	1.59	1.00 - 5.00
5A-00147	30103	Tl-208	0.554	0.0196	0.0329	0.937	1.00 - 5.00
5A-00147	30103	Pa-231	0.373 J	0.685	0.247	0.936	1.00 - 5.00
5A-00147	30103	Sr-90	-0.0111 U	0.129	0.0331	0.485	1.00 - 5.00
5A-00147	30103	Sb-125	0.0027 U	0.0463	0.0136	0.354	1.00 - 5.00
5A-00147	30103	Eu-155	0.0673 JS	0.0567	0.0226	0.231	1.00 - 5.00
5A-00147	30103	Ac-227	0.0432 U	0.17	0.0525	0.217	1.00 - 5.00
5A-00147	30103	Cs-137	-0.0159 UJ	0.0178	0.0065	0.207	1.00 - 5.00
5A-00147	30103	U-235/236	0.0676	0.0183	0.0219	0.151	1.00 - 5.00
5A-00147	30103	Eu-154	-0.0544 U	0.104	0.0345	0.15	1.00 - 5.00
5A-00147	30103	Th-229	0.0552	0.0581	0.0239	0.145	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00147	30103	Np-239	-0.0097 U	0.108	0.0331	0.139	1.00 - 5.00
5A-00147	30103	Cs-134	0.0025 U	0.0177	0.0061	0.0864	1.00 - 5.00
5A-00147	30103	Eu-152	-0.0043 U	0.0427	0.0142	0.0566	1.00 - 5.00
5A-00147	30103	Np-236	0.0012 U	0.0275	0.008	0.047	1.00 - 5.00
5A-00147	30103	Am-241	0.0002 U	0.0358	0.0089	0.0454	1.00 - 5.00
5A-00147	30103	Cm-243/244	0.0017 U	0.0288	0.007	0.0443	1.00 - 5.00
5A-00147	30103	Ho-166m	0.0046 U	0.0263	0.0076	0.0432	1.00 - 5.00
5A-00147	30103	Pu-238	0.0089	0.0061	0.0045	0.0415	1.00 - 5.00
5A-00147	30103	Pu-239/240	0.0003 U	0.0223	0.005	0.0404	1.00 - 5.00
5A-00147	30103	Na-22	-0.0105 UJ	0.0245	0.0077	0.037	1.00 - 5.00
5A-00147	30103	Pu-244	0.0022	0.006	0.0022	0.0313	1.00 - 5.00
5A-00147	30103	Co-60	-0.0038 U	0.0208	0.0062	0.028	1.00 - 5.00
5A-00147	30103	Sn-126	0.0015 U	0.0176	0.0051	0.0237	1.00 - 5.00
5A-00147	30103	Nb-94	-0.0004 U	0.0153	0.0044	0.0214	1.00 - 5.00
5A-00148	30104	Cd-113m	29.3 U	112	34.3	3030	5.00 - 10.00
5A-00148	30104	Tm-171	-4.58 U	11.3	3.99	72.4	5.00 - 10.00
5A-00148	30104	K-40	21.4	0.113	1.2	32.4	5.00 - 10.00
5A-00148	30104	Ni-59	-1.46 U	3.52	1.08	8.39	5.00 - 10.00
5A-00148	30104	Ni-63	-0.234 U	1.11	0.33	4.92	5.00 - 10.00
5A-00148	30104	Th-228	1.42	0.0798	0.139	3.98	5.00 - 10.00
5A-00148	30104	Th-234	1.48 J	0.235	0.136	3.19	5.00 - 10.00
5A-00148	30104	Th-232	1.23	0.0502	0.116	3.1	5.00 - 10.00
5A-00148	30104	C-14	-0.0946 U	0.879	0.262	2.96	5.00 - 10.00
5A-00148	30104	Pb-212	1.6	0.0338	0.0963	2.69	5.00 - 10.00
5A-00148	30104	Th-230	1.03	0.0185	0.103	2.2	5.00 - 10.00
5A-00148	30104	Bi-212	1.01	0.137	0.0766	2.15	5.00 - 10.00
5A-00148	30104	U-233/234	0.937	0.0383	0.102	2.02	5.00 - 10.00
5A-00148	30104	U-238	0.824	0.0383	0.0935	1.8	5.00 - 10.00
5A-00148	30104	Pb-214	1.06	0.0277	0.0511	1.7	5.00 - 10.00
5A-00148	30104	Tc-99	-0.0182 U	1.28	0.374	1.63	5.00 - 10.00
5A-00148	30104	Bi-214	0.969	0.0249	0.0446	1.59	5.00 - 10.00
5A-00148	30104	Tl-208	0.478	0.0168	0.0279	0.937	5.00 - 10.00
5A-00148	30104	Pa-231	-0.185 U	0.67	0.204	0.936	5.00 - 10.00
5A-00148	30104	Sr-90	0.0269 U	0.141	0.0395	0.485	5.00 - 10.00
5A-00148	30104	Sb-125	0.0114 U	0.0429	0.013	0.354	5.00 - 10.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00148	30104	Eu-155	0.0749 JS	0.0626	0.0257	0.231	5.00 - 10.00
5A-00148	30104	Ac-227	-0.0292 U	0.166	0.0493	0.217	5.00 - 10.00
5A-00148	30104	Cs-137	-0.0043 U	0.0143	0.0049	0.207	5.00 - 10.00
5A-00148	30104	U-235/236	0.0594	0.0201	0.0214	0.151	5.00 - 10.00
5A-00148	30104	Eu-154	-0.0861 UJ	0.0833	0.0333	0.15	5.00 - 10.00
5A-00148	30104	Th-229	0.0343	0.0186	0.0155	0.145	5.00 - 10.00
5A-00148	30104	Np-239	0.0305 U	0.109	0.0323	0.139	5.00 - 10.00
5A-00148	30104	Cs-134	-0.0013 U	0.0154	0.0054	0.0864	5.00 - 10.00
5A-00148	30104	Eu-152	0.0039 U	0.0411	0.0126	0.0566	5.00 - 10.00
5A-00148	30104	Np-236	0.0022 U	0.0305	0.0093	0.047	5.00 - 10.00
5A-00148	30104	Am-241	0.0073 U	0.0233	0.0066	0.0454	5.00 - 10.00
5A-00148	30104	Cm-243/244	-0.0023 U	0.0264	0.0053	0.0443	5.00 - 10.00
5A-00148	30104	Ho-166m	-0.0106 U	0.0212	0.0068	0.0432	5.00 - 10.00
5A-00148	30104	Pu-238	0.0044	0.006	0.0031	0.0415	5.00 - 10.00
5A-00148	30104	Pu-239/240	0.0012 U	0.0173	0.0038	0.0404	5.00 - 10.00
5A-00148	30104	Na-22	0.0093 UJ	0.0206	0.0064	0.037	5.00 - 10.00
5A-00148	30104	Pu-244	0	0.0059	0.0022	0.0313	5.00 - 10.00
5A-00148	30104	Co-60	0.0004 U	0.0165	0.0047	0.028	5.00 - 10.00
5A-00148	30104	Sn-126	0.0021 U	0.0146	0.0042	0.0237	5.00 - 10.00
5A-00148	30104	Nb-94	0.0059 U	0.0131	0.004	0.0214	5.00 - 10.00
5A-00149	30105	Cd-113m	-10 U	41	12	3030	5.00 - 10.00
5A-00149	30105	Tm-171	0.8 U	4.6	1.4	72.4	5.00 - 10.00
5A-00149	30105	K-40	18	0.12	0.89	32.4	5.00 - 10.00
5A-00149	30105	Ni-59	0 U	0.17	0.042	8.39	5.00 - 10.00
5A-00149	30105	Ni-63	-0.23 U	0.67	0.19	4.92	5.00 - 10.00
5A-00149	30105	Th-228	1.36	0.015	0.067	3.98	5.00 - 10.00
5A-00149	30105	Th-234	0.639 R	0.16	0.059	3.19	5.00 - 10.00
5A-00149	30105	Th-232	1.29	0.002	0.064	3.1	5.00 - 10.00
5A-00149	30105	C-14	0.0137 U	0.028	0.0087	2.96	5.00 - 10.00
5A-00149	30105	Pb-212	1.58	0.026	0.089	2.69	5.00 - 10.00
5A-00149	30105	Th-230	0.963	0.011	0.05	2.2	5.00 - 10.00
5A-00149	30105	Bi-212	1.04	0.13	0.085	2.15	5.00 - 10.00
5A-00149	30105	U-233/234	0.475	0.002	0.026	2.02	5.00 - 10.00
5A-00149	30105	U-238	0.446	0.002	0.025	1.8	5.00 - 10.00
5A-00149	30105	Pb-214	0.862	0.024	0.045	1.7	5.00 - 10.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00149	30105	Tc-99	-0.026 U	0.31	0.094	1.63	5.00 - 10.00
5A-00149	30105	Bi-214	0.776	0.024	0.041	1.59	5.00 - 10.00
5A-00149	30105	Tl-208	0.494	0.02	0.027	0.937	5.00 - 10.00
5A-00149	30105	Pa-231	-0.1 U	0.58	0.17	0.936	5.00 - 10.00
5A-00149	30105	Sr-90	0.016 U	0.054	0.016	0.485	5.00 - 10.00
5A-00149	30105	Sb-125	0.119 SK	0.043	0.011	0.354	5.00 - 10.00
5A-00149	30105	Eu-155	0.008 U	0.033	0.01	0.231	5.00 - 10.00
5A-00149	30105	Ac-227	0.037 U	0.14	0.06	0.217	5.00 - 10.00
5A-00149	30105	Cs-137	0.0096	0.018	0.0066	0.207	5.00 - 10.00
5A-00149	30105	U-235/236	0.0261	0.0053	0.0046	0.151	5.00 - 10.00
5A-00149	30105	Eu-154	0.017 U	0.11	0.017	0.15	5.00 - 10.00
5A-00149	30105	Th-229	0.0045	0.0082	0.0027	0.145	5.00 - 10.00
5A-00149	30105	Np-239	0.005 U	0.089	0.027	0.139	5.00 - 10.00
5A-00149	30105	Cs-134	0.0156 SK	0.015	0.0041	0.0864	5.00 - 10.00
5A-00149	30105	Te-125m	0.0275 SK	0.01	0.0026	0.0838	5.00 - 10.00
5A-00149	30105	Eu-152	0.014 U L	0.037	0.016	0.0566	5.00 - 10.00
5A-00149	30105	Np-236	-0.009 U	0.029	0.0089	0.047	5.00 - 10.00
5A-00149	30105	Am-241	0.0009 U	0.0085	0.002	0.0454	5.00 - 10.00
5A-00149	30105	Cm-243/244	0 U	0.0085	0.0018	0.0443	5.00 - 10.00
5A-00149	30105	Ho-166m	0.0115 U	0.027	0.0097	0.0432	5.00 - 10.00
5A-00149	30105	Pu-238	0.0024	0.0063	0.0019	0.0415	5.00 - 10.00
5A-00149	30105	Pu-239/240	0.0021	0.0051	0.0016	0.0404	5.00 - 10.00
5A-00149	30105	Cm-245/246	0 U	0.003	0.0011	0.0401	5.00 - 10.00
5A-00149	30105	Na-22	0.008 U	0.024	0.0073	0.037	5.00 - 10.00
5A-00149	30105	Pu-244	0.0003 U	0.0051	0.001	0.0313	5.00 - 10.00
5A-00149	30105	Cm-247/248	0 U	0.003	0.0011	0.0306	5.00 - 10.00
5A-00149	30105	Co-60	0.0028 U	0.02	0.0035	0.028	5.00 - 10.00
5A-00149	30105	Sn-126	0.0046 U	0.015	0.0046	0.0237	5.00 - 10.00
5A-00149	30105	Nb-94	0.0021 U	0.015	0.0032	0.0214	5.00 - 10.00
5A-00150	30106	Cd-113m	-15.6 U	117	36.3	3030	5.00 - 10.00
5A-00150	30106	Tm-171	5.85 J	8	2.86	72.4	5.00 - 10.00
5A-00150	30106	K-40	18.9	0.163	1.04	32.4	5.00 - 10.00
5A-00150	30106	Ni-59	-2.22 UJ	3.16	1.1	8.39	5.00 - 10.00
5A-00150	30106	Ni-63	0.183 U	1.25	0.377	4.92	5.00 - 10.00
5A-00150	30106	Th-228	1.4	0.0767	0.136	3.98	5.00 - 10.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00150	30106	Th-234	1.41 J	0.214	0.118	3.19	5.00 - 10.00
5A-00150	30106	Th-232	1.09	0.0482	0.106	3.1	5.00 - 10.00
5A-00150	30106	C-14	-0.267 U	0.904	0.268	2.96	5.00 - 10.00
5A-00150	30106	Pb-212	1.61	0.0343	0.0903	2.69	5.00 - 10.00
5A-00150	30106	Th-230	1.07	0.0178	0.105	2.2	5.00 - 10.00
5A-00150	30106	Bi-212	1.05	0.18	0.0995	2.15	5.00 - 10.00
5A-00150	30106	U-233/234	0.688	0.0595	0.0805	2.02	5.00 - 10.00
5A-00150	30106	U-238	0.829	0.0494	0.0913	1.8	5.00 - 10.00
5A-00150	30106	Pb-214	0.892	0.032	0.0428	1.7	5.00 - 10.00
5A-00150	30106	Tc-99	-0.82 U	1.61	0.456	1.63	5.00 - 10.00
5A-00150	30106	Bi-214	0.805	0.0316	0.0412	1.59	5.00 - 10.00
5A-00150	30106	Tl-208	0.487	0.022	0.0295	0.937	5.00 - 10.00
5A-00150	30106	Pa-231	0.147 U	0.72	0.223	0.936	5.00 - 10.00
5A-00150	30106	Sr-90	0.0555 U	0.149	0.0445	0.485	5.00 - 10.00
5A-00150	30106	Sb-125	0.0046 U	0.0514	0.0151	0.354	5.00 - 10.00
5A-00150	30106	Eu-155	0.0702 JS	0.0533	0.0194	0.231	5.00 - 10.00
5A-00150	30106	Ac-227	0.0186 U	0.18	0.0553	0.217	5.00 - 10.00
5A-00150	30106	Cs-137	0.0015 U	0.0198	0.006	0.207	5.00 - 10.00
5A-00150	30106	U-235/236	0.0221	0.043	0.0144	0.151	5.00 - 10.00
5A-00150	30106	Eu-154	-0.0969 UJ	0.115	0.0426	0.15	5.00 - 10.00
5A-00150	30106	Th-229	0.0263 U	0.0864	0.0247	0.145	5.00 - 10.00
5A-00150	30106	Np-239	0.09 J	0.116	0.0405	0.139	5.00 - 10.00
5A-00150	30106	Cs-134	-0.0043 U	0.0191	0.0068	0.0864	5.00 - 10.00
5A-00150	30106	Eu-152	-0.0195 U	0.0457	0.0143	0.0566	5.00 - 10.00
5A-00150	30106	Np-236	-0.0062 U	0.0279	0.0093	0.047	5.00 - 10.00
5A-00150	30106	Am-241	0.0393	0.0326	0.013	0.0454	5.00 - 10.00
5A-00150	30106	Cm-243/244	-0.0144 U	0.0427	0.0088	0.0443	5.00 - 10.00
5A-00150	30106	Ho-166m	0.0101 U	0.0302	0.0088	0.0432	5.00 - 10.00
5A-00150	30106	Pu-238	-0.0026 U	0.0206	0.0036	0.0415	5.00 - 10.00
5A-00150	30106	Pu-239/240	0.0035 U	0.0179	0.0046	0.0404	5.00 - 10.00
5A-00150	30106	Na-22	-0.0052 UJ	0.0277	0.0095	0.037	5.00 - 10.00
5A-00150	30106	Pu-244	0.0052	0.0144	0.0043	0.0313	5.00 - 10.00
5A-00150	30106	Co-60	0.0045 U	0.0223	0.0063	0.028	5.00 - 10.00
5A-00150	30106	Sn-126	0.004 U	0.0191	0.0055	0.0237	5.00 - 10.00
5A-00150	30106	Nb-94	0.0007 U	0.0168	0.0048	0.0214	5.00 - 10.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00151	30107	Cd-113m	-13 U	34	10	3030	2.50 - 7.50
5A-00151	30107	Tm-171	0.5 U J	3.8	1.1	72.4	2.50 - 7.50
5A-00151	30107	K-40	20.6	0.2	1	32.4	2.50 - 7.50
5A-00151	30107	Ni-59	0 U	0.23	0.058	8.39	2.50 - 7.50
5A-00151	30107	Ni-63	-0.13 U	0.64	0.2	4.92	2.50 - 7.50
5A-00151	30107	Th-228	1.31	0.013	0.066	3.98	2.50 - 7.50
5A-00151	30107	Th-234	1.42 R	0.13	0.099	3.19	2.50 - 7.50
5A-00151	30107	Th-232	1.36	0.007	0.068	3.1	2.50 - 7.50
5A-00151	30107	C-14	0.018	0.028	0.0086	2.96	2.50 - 7.50
5A-00151	30107	Pb-212	1.6	0.02	0.1	2.69	2.50 - 7.50
5A-00151	30107	Th-230	1.08 J	0.003	0.056	2.2	2.50 - 7.50
5A-00151	30107	Bi-212	0.95	0.1	0.073	2.15	2.50 - 7.50
5A-00151	30107	U-233/234	0.601	0.01	0.035	2.02	2.50 - 7.50
5A-00151	30107	U-238	0.57	0.003	0.033	1.8	2.50 - 7.50
5A-00151	30107	Pb-214	0.856	0.022	0.047	1.7	2.50 - 7.50
5A-00151	30107	Tc-99	-0.036 U	0.28	0.084	1.63	2.50 - 7.50
5A-00151	30107	Bi-214	0.761	0.023	0.042	1.59	2.50 - 7.50
5A-00151	30107	Tl-208	0.474	0.015	0.026	0.937	2.50 - 7.50
5A-00151	30107	Pa-231	-0.13 U	0.48	0.15	0.936	2.50 - 7.50
5A-00151	30107	Sr-90	0.008 U	0.038	0.011	0.485	2.50 - 7.50
5A-00151	30107	Sb-125	0.125 SK	0.029	0.01	0.354	2.50 - 7.50
5A-00151	30107	Eu-155	0.083 SK	0.028	0.012	0.231	2.50 - 7.50
5A-00151	30107	Ac-227	0.433 RZ	0.11	0.028	0.217	2.50 - 7.50
5A-00151	30107	Cs-137	-0.0058 U	0.012	0.0037	0.207	2.50 - 7.50
5A-00151	30107	U-235/236	0.0221	0.0085	0.0054	0.151	2.50 - 7.50
5A-00151	30107	Eu-154	0.0068 U	0.08	0.0026	0.15	2.50 - 7.50
5A-00151	30107	Th-229	0.0011 U	0.012	0.0029	0.145	2.50 - 7.50
5A-00151	30107	Np-239	0.026 U	0.054	0.016	0.139	2.50 - 7.50
5A-00151	30107	Cs-134	0.002 U	0.035	0.0015	0.0864	2.50 - 7.50
5A-00151	30107	Te-125m	0.0289 SK	0.0066	0.0023	0.0838	2.50 - 7.50
5A-00151	30107	Eu-152	-0.0058 U	0.032	0.0096	0.0566	2.50 - 7.50
5A-00151	30107	Np-236	-0.0051 U	0.026	0.0079	0.047	2.50 - 7.50
5A-00151	30107	Am-241	0.0015 U	0.0055	0.0015	0.0454	2.50 - 7.50
5A-00151	30107	Cm-243/244	-0.0015 U	0.007	0.0011	0.0443	2.50 - 7.50
5A-00151	30107	Ho-166m	0.0307 SK	0.019	0.0039	0.0432	2.50 - 7.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00151	30107	Pu-238	0.0006 U	0.0051	0.0011	0.0415	2.50 - 7.50
5A-00151	30107	Pu-239/240	0.0017	0.0041	0.0013	0.0404	2.50 - 7.50
5A-00151	30107	Cm-245/246	0 U	0.0083	0.0016	0.0401	2.50 - 7.50
5A-00151	30107	Na-22	-0.0002 U	0.015	0.0044	0.037	2.50 - 7.50
5A-00151	30107	Pu-244	0.0051	0.0041	0.002	0.0313	2.50 - 7.50
5A-00151	30107	Cm-247/248	0.0033	0.003	0.0019	0.0306	2.50 - 7.50
5A-00151	30107	Co-60	0.0015 U	0.014	0.0043	0.028	2.50 - 7.50
5A-00151	30107	Sn-126	-0.0002 U	0.012	0.0036	0.0237	2.50 - 7.50
5A-00151	30107	Nb-94	0.005 U	0.011	0.0033	0.0214	2.50 - 7.50
5A-00152	30108	Cd-113m	20	40	12	3030	3.00 - 8.00
5A-00152	30108	Tm-171	-3.6 U J	6.2	1.9	72.4	3.00 - 8.00
5A-00152	30108	K-40	21.1	0.2	1	32.4	3.00 - 8.00
5A-00152	30108	Ni-59	0 U	0.19	0.048	8.39	3.00 - 8.00
5A-00152	30108	Ni-63	0 U	0.59	0.18	4.92	3.00 - 8.00
5A-00152	30108	Th-228	1.32	0.019	0.065	3.98	3.00 - 8.00
5A-00152	30108	Th-234	0.51 R	0.18	0.06	3.19	3.00 - 8.00
5A-00152	30108	Th-232	1.27	0.01	0.063	3.1	3.00 - 8.00
5A-00152	30108	C-14	0.0072 U	0.023	0.007	2.96	3.00 - 8.00
5A-00152	30108	Pb-212	1.56	0.025	0.077	2.69	3.00 - 8.00
5A-00152	30108	Th-230	1.02	0.002	0.052	2.2	3.00 - 8.00
5A-00152	30108	Bi-212	1.13	0.15	0.11	2.15	3.00 - 8.00
5A-00152	30108	U-233/234	0.812	0.006	0.042	2.02	3.00 - 8.00
5A-00152	30108	U-238	0.82	0.007	0.043	1.8	3.00 - 8.00
5A-00152	30108	Pb-214	0.955	0.028	0.055	1.7	3.00 - 8.00
5A-00152	30108	Tc-99	-0.107 U	0.3	0.091	1.63	3.00 - 8.00
5A-00152	30108	Bi-214	0.887	0.025	0.047	1.59	3.00 - 8.00
5A-00152	30108	Tl-208	0.538	0.019	0.029	0.937	3.00 - 8.00
5A-00152	30108	Pa-231	-0.15 U	0.62	0.19	0.936	3.00 - 8.00
5A-00152	30108	Sr-90	-0.023 L U	0.043	0.011	0.485	3.00 - 8.00
5A-00152	30108	Sb-125	0.16 JSK	0.039	0.014	0.354	3.00 - 8.00
5A-00152	30108	Eu-155	0.072 SK	0.037	0.015	0.231	3.00 - 8.00
5A-00152	30108	Ac-227	0.032 U	0.15	0.039	0.217	3.00 - 8.00
5A-00152	30108	Cs-137	0.0023 U	0.012	0.0037	0.207	3.00 - 8.00
5A-00152	30108	U-235/236	0.0442	0.0026	0.0068	0.151	3.00 - 8.00
5A-00152	30108	Eu-154	0.018 U	0.11	0.016	0.15	3.00 - 8.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00152	30108	Th-229	0.0098	0.0044	0.004	0.145	3.00 - 8.00
5A-00152	30108	Np-239	-0.0004 U	0.075	0.023	0.139	3.00 - 8.00
5A-00152	30108	Cs-134	0.0113 U J	0.054	0.0037	0.0864	3.00 - 8.00
5A-00152	30108	Te-125m	0.037 JSK	0.0089	0.0033	0.0838	3.00 - 8.00
5A-00152	30108	Eu-152	-0.0041 U	0.04	0.0057	0.0566	3.00 - 8.00
5A-00152	30108	Np-236	0.0002 U	0.023	0.0068	0.047	3.00 - 8.00
5A-00152	30108	Am-241	0.0022	0.004	0.0013	0.0454	3.00 - 8.00
5A-00152	30108	Cm-243/244	0 U	0.004	0.0008	0.0443	3.00 - 8.00
5A-00152	30108	Ho-166m	0.0061 U	0.026	0.0073	0.0432	3.00 - 8.00
5A-00152	30108	Pu-238	0.0054	0.0058	0.0022	0.0415	3.00 - 8.00
5A-00152	30108	Pu-239/240	0.0015	0.0037	0.0012	0.0404	3.00 - 8.00
5A-00152	30108	Cm-245/246	0 U	0.0055	0.0012	0.0401	3.00 - 8.00
5A-00152	30108	Na-22	0.0036 U	0.024	0.0072	0.037	3.00 - 8.00
5A-00152	30108	Pu-244	0.0006 U	0.0017	0.0006	0.0313	3.00 - 8.00
5A-00152	30108	Cm-247/248	-0.0036 U	0.016	0.0021	0.0306	3.00 - 8.00
5A-00152	30108	Co-60	0.0045 U	0.019	0.0043	0.028	3.00 - 8.00
5A-00152	30108	Sn-126	0.0023 U	0.017	0.005	0.0237	3.00 - 8.00
5A-00152	30108	Nb-94	0.0033 U	0.015	0.0045	0.0214	3.00 - 8.00
5A-00153	30109	Cd-113m	3 U	35	10	3030	1.50 - 6.50
5A-00153	30109	Tm-171	-5.5 U J	4.5	1.4	72.4	1.50 - 6.50
5A-00153	30109	K-40	20.8	0.1	1.1	32.4	1.50 - 6.50
5A-00153	30109	Ni-59	0 U	0.18	0.047	8.39	1.50 - 6.50
5A-00153	30109	Ni-63	-0.28 U	0.56	0.17	4.92	1.50 - 6.50
5A-00153	30109	Th-228	1.46	0.014	0.07	3.98	1.50 - 6.50
5A-00153	30109	Th-234	1.56 R	0.14	0.11	3.19	1.50 - 6.50
5A-00153	30109	Th-232	1.4	0.007	0.067	3.1	1.50 - 6.50
5A-00153	30109	C-14	0.0212	0.021	0.0067	2.96	1.50 - 6.50
5A-00153	30109	Pb-212	1.65	0.02	0.11	2.69	1.50 - 6.50
5A-00153	30109	Th-230	1.02	0.007	0.051	2.2	1.50 - 6.50
5A-00153	30109	Bi-212	1.01	0.11	0.082	2.15	1.50 - 6.50
5A-00153	30109	U-233/234	0.798	0.009	0.044	2.02	1.50 - 6.50
5A-00153	30109	U-238	0.771	0.007	0.043	1.8	1.50 - 6.50
5A-00153	30109	Pb-214	0.95	0.023	0.051	1.7	1.50 - 6.50
5A-00153	30109	Tc-99	-0.041 U	0.26	0.079	1.63	1.50 - 6.50
5A-00153	30109	Bi-214	0.851	0.021	0.046	1.59	1.50 - 6.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00153	30109	Tl-208	0.488	0.014	0.027	0.937	1.50 - 6.50
5A-00153	30109	Pa-231	0.007 U	0.49	0.15	0.936	1.50 - 6.50
5A-00153	30109	Sr-90	-0.015 U	0.044	0.012	0.485	1.50 - 6.50
5A-00153	30109	Sb-125	0.127 JSK	0.034	0.01	0.354	1.50 - 6.50
5A-00153	30109	Eu-155	0.067 SK	0.03	0.013	0.231	1.50 - 6.50
5A-00153	30109	Ac-227	0.094	0.094	0.022	0.217	1.50 - 6.50
5A-00153	30109	Cs-137	-0.007 U	0.014	0.0042	0.207	1.50 - 6.50
5A-00153	30109	U-235/236	0.0351	0.0092	0.007	0.151	1.50 - 6.50
5A-00153	30109	Eu-154	0.005 U	0.068	0.012	0.15	1.50 - 6.50
5A-00153	30109	Th-229	0.0083	0.012	0.0044	0.145	1.50 - 6.50
5A-00153	30109	Np-239	0.047 K R	0.055	0.021	0.139	1.50 - 6.50
5A-00153	30109	Cs-134	0.018 U J	0.044	0.0047	0.0864	1.50 - 6.50
5A-00153	30109	Te-125m	0.0294 JSK	0.008	0.0023	0.0838	1.50 - 6.50
5A-00153	30109	Eu-152	0.0112 U	0.03	0.0083	0.0566	1.50 - 6.50
5A-00153	30109	Np-236	-0.0008 U	0.027	0.0082	0.047	1.50 - 6.50
5A-00153	30109	Am-241	0.0029	0.0072	0.0022	0.0454	1.50 - 6.50
5A-00153	30109	Cm-243/244	0.001 U	0.0072	0.0017	0.0443	1.50 - 6.50
5A-00153	30109	Ho-166m	0.0056 U	0.02	0.0032	0.0432	1.50 - 6.50
5A-00153	30109	Pu-238	0.0011 U	0.0061	0.0016	0.0415	1.50 - 6.50
5A-00153	30109	Pu-239/240	0.002	0.0018	0.0012	0.0404	1.50 - 6.50
5A-00153	30109	Cm-245/246	0 U	0.0048	0.0011	0.0401	1.50 - 6.50
5A-00153	30109	Na-22	0.001 U	0.02	0.006	0.037	1.50 - 6.50
5A-00153	30109	Pu-244	0.0007 U	0.0018	0.0007	0.0313	1.50 - 6.50
5A-00153	30109	Cm-247/248	0.0017 U	0.0047	0.0017	0.0306	1.50 - 6.50
5A-00153	30109	Co-60	0.0058	0.01	0.0028	0.028	1.50 - 6.50
5A-00153	30109	Sn-126	0.01	0.0098	0.0045	0.0237	1.50 - 6.50
5A-00153	30109	Nb-94	0.0029 U	0.011	0.0034	0.0214	1.50 - 6.50
5A-00154	30110	Cd-113m	-2.9 U	33	9.9	3030	3.00 - 8.00
5A-00154	30110	Tm-171	-0.5 U J	3.3	6	72.4	3.00 - 8.00
5A-00154	30110	K-40	20.1	0.1	1	32.4	3.00 - 8.00
5A-00154	30110	Ni-59	0 U	0.17	0.052	8.39	3.00 - 8.00
5A-00154	30110	Ni-63	0.13 U	0.54	0.17	4.92	3.00 - 8.00
5A-00154	30110	Th-228	1.42	0.012	0.068	3.98	3.00 - 8.00
5A-00154	30110	Th-234	1.6 R	0.12	0.11	3.19	3.00 - 8.00
5A-00154	30110	Th-232	1.34	0.002	0.065	3.1	3.00 - 8.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00154	30110	C-14	0.0037 U	0.026	0.0078	2.96	3.00 - 8.00
5A-00154	30110	Pb-212	1.63	0.02	0.11	2.69	3.00 - 8.00
5A-00154	30110	Th-230	1.07	0.009	0.053	2.2	3.00 - 8.00
5A-00154	30110	Bi-212	1.02	0.099	0.077	2.15	3.00 - 8.00
5A-00154	30110	U-233/234	0.769	0.011	0.043	2.02	3.00 - 8.00
5A-00154	30110	U-238	0.756	0.01	0.042	1.8	3.00 - 8.00
5A-00154	30110	Pb-214	0.936	0.02	0.05	1.7	3.00 - 8.00
5A-00154	30110	Tc-99	-0.091 U	0.27	0.082	1.63	3.00 - 8.00
5A-00154	30110	Bi-214	0.831	0.019	0.045	1.59	3.00 - 8.00
5A-00154	30110	Tl-208	0.471	0.012	0.025	0.937	3.00 - 8.00
5A-00154	30110	Pa-231	0.12 U	0.46	0.14	0.936	3.00 - 8.00
5A-00154	30110	Sr-90	-0.02 U	0.045	0.012	0.485	3.00 - 8.00
5A-00154	30110	Sb-125	0.162 JSK	0.033	0.012	0.354	3.00 - 8.00
5A-00154	30110	Eu-155	0.08 SK	0.029	0.013	0.231	3.00 - 8.00
5A-00154	30110	Ac-227	0.057	0.11	0.035	0.217	3.00 - 8.00
5A-00154	30110	Cs-137	-0.0002 U	0.012	0.0037	0.207	3.00 - 8.00
5A-00154	30110	U-235/236	0.0465	0.0095	0.0082	0.151	3.00 - 8.00
5A-00154	30110	Eu-154	0.01 U	0.077	0.019	0.15	3.00 - 8.00
5A-00154	30110	Th-229	-0.0031 U	0.014	0.0028	0.145	3.00 - 8.00
5A-00154	30110	Np-239	0.015 U	0.073	0.022	0.139	3.00 - 8.00
5A-00154	30110	Cs-134	0.003 U J	0.038	0.012	0.0864	3.00 - 8.00
5A-00154	30110	Te-125m	0.0374 JSK	0.0076	0.0028	0.0838	3.00 - 8.00
5A-00154	30110	Eu-152	0.0176 K R	0.028	0.0072	0.0566	3.00 - 8.00
5A-00154	30110	Np-236	-0.0048 U	0.026	0.0078	0.047	3.00 - 8.00
5A-00154	30110	Am-241	0.0006 U	0.0047	0.0011	0.0454	3.00 - 8.00
5A-00154	30110	Cm-243/244	0.0058	0.0047	0.0022	0.0443	3.00 - 8.00
5A-00154	30110	Ho-166m	0.0377 SK	0.019	0.0042	0.0432	3.00 - 8.00
5A-00154	30110	Pu-238	-0.0013 U	0.0066	0.0011	0.0415	3.00 - 8.00
5A-00154	30110	Pu-239/240	0.0013	0.0018	0.0009	0.0404	3.00 - 8.00
5A-00154	30110	Cm-245/246	0 U	0.01	0.0022	0.0401	3.00 - 8.00
5A-00154	30110	Na-22	-0.003 U	0.017	0.076	0.037	3.00 - 8.00
5A-00154	30110	Pu-244	0.002	0.0018	0.0011	0.0313	3.00 - 8.00
5A-00154	30110	Cm-247/248	-0.0022 U	0.021	0.0022	0.0306	3.00 - 8.00
5A-00154	30110	Co-60	0.0001 U	0.014	0.0043	0.028	3.00 - 8.00
5A-00154	30110	Sn-126	0.0025 U	0.012	0.0037	0.0237	3.00 - 8.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00154	30110	Nb-94	0.0021 U	0.011	0.0033	0.0214	3.00 - 8.00
5A-00155	30111	Cd-113m	-0.04 U	31	9.3	3030	1.00 - 3.50
5A-00155	30111	Tm-171	-2.9 U J	4.6	1.4	72.4	1.00 - 3.50
5A-00155	30111	K-40	21.4	0.1	1	32.4	1.00 - 3.50
5A-00155	30111	Ni-59	0 U	0.17	0.042	8.39	1.00 - 3.50
5A-00155	30111	Ni-63	-0.2 U	0.53	0.16	4.92	1.00 - 3.50
5A-00155	30111	Th-228	1.36	0.013	0.067	3.98	1.00 - 3.50
5A-00155	30111	Th-234	1.53 R	0.12	0.096	3.19	1.00 - 3.50
5A-00155	30111	Th-232	1.29	0.009	0.065	3.1	1.00 - 3.50
5A-00155	30111	C-14	0.0209	0.027	0.0083	2.96	1.00 - 3.50
5A-00155	30111	Pb-212	1.37	0.025	0.077	2.69	1.00 - 3.50
5A-00155	30111	Th-230	0.993	0.009	0.052	2.2	1.00 - 3.50
5A-00155	30111	Bi-212	0.963	0.085	0.066	2.15	1.00 - 3.50
5A-00155	30111	U-233/234	0.779	0.011	0.044	2.02	1.00 - 3.50
5A-00155	30111	U-238	0.797	0.011	0.045	1.8	1.00 - 3.50
5A-00155	30111	Pb-214	0.885	0.021	0.045	1.7	1.00 - 3.50
5A-00155	30111	Tc-99	-0.095 U	0.3	0.092	1.63	1.00 - 3.50
5A-00155	30111	Bi-214	0.765	0.019	0.04	1.59	1.00 - 3.50
5A-00155	30111	Tl-208	0.455	0.014	0.024	0.937	1.00 - 3.50
5A-00155	30111	Pa-231	0.13 U	0.44	0.13	0.936	1.00 - 3.50
5A-00155	30111	Sr-90	0.017 U	0.04	0.012	0.485	1.00 - 3.50
5A-00155	30111	Sb-125	0.117 JSK	0.03	0.0088	0.354	1.00 - 3.50
5A-00155	30111	Eu-155	0.069 SK	0.026	0.011	0.231	1.00 - 3.50
5A-00155	30111	Ac-227	0.023 U	0.091	0.04	0.217	1.00 - 3.50
5A-00155	30111	Cs-137	0.0054 U	0.011	0.0035	0.207	1.00 - 3.50
5A-00155	30111	U-235/236	0.0344	0.013	0.0077	0.151	1.00 - 3.50
5A-00155	30111	Eu-154	0.0036 U	0.067	0.0065	0.15	1.00 - 3.50
5A-00155	30111	Th-229	0.0081	0.0085	0.0035	0.145	1.00 - 3.50
5A-00155	30111	Np-239	-0.0006 U	0.058	0.017	0.139	1.00 - 3.50
5A-00155	30111	Cs-134	-0.002 U J	0.033	0.0042	0.0864	1.00 - 3.50
5A-00155	30111	Te-125m	0.027 JSK	0.0069	0.002	0.0838	1.00 - 3.50
5A-00155	30111	Eu-152	0.0156 K R	0.028	0.0064	0.0566	1.00 - 3.50
5A-00155	30111	Np-236	-0.0003 U	0.02	0.0061	0.047	1.00 - 3.50
5A-00155	30111	Am-241	0.0015 U	0.0056	0.0015	0.0454	1.00 - 3.50
5A-00155	30111	Cm-243/244	0 U	0.0082	0.0019	0.0443	1.00 - 3.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00155	30111	Ho-166m	0.0082 U	0.017	0.0039	0.0432	1.00 - 3.50
5A-00155	30111	Pu-238	0.0018 U	0.0064	0.0018	0.0415	1.00 - 3.50
5A-00155	30111	Pu-239/240	0.0021	0.0019	0.0012	0.0404	1.00 - 3.50
5A-00155	30111	Cm-245/246	0 U	0.0039	0.0009	0.0401	1.00 - 3.50
5A-00155	30111	Na-22	-0.0008 U	0.016	0.0049	0.037	1.00 - 3.50
5A-00155	30111	Pu-244	0.0021	0.0019	0.0012	0.0313	1.00 - 3.50
5A-00155	30111	Cm-247/248	0 U	0.0039	0.0009	0.0306	1.00 - 3.50
5A-00155	30111	Co-60	0.0038 U	0.013	0.0033	0.028	1.00 - 3.50
5A-00155	30111	Sn-126	-0.0014 U	0.012	0.0035	0.0237	1.00 - 3.50
5A-00155	30111	Nb-94	0.0045 U	0.0099	0.003	0.0214	1.00 - 3.50
5A-00156	30112	Cd-113m	7 U	35	10	3030	1.00 - 4.00
5A-00156	30112	Tm-171	0.5 U J	4.8	1.4	72.4	1.00 - 4.00
5A-00156	30112	K-40	22.1	0.2	1.1	32.4	1.00 - 4.00
5A-00156	30112	Ni-59	0 U	0.2	0.05	8.39	1.00 - 4.00
5A-00156	30112	Ni-63	-0.23 U	0.61	0.18	4.92	1.00 - 4.00
5A-00156	30112	Th-228	1.25	0.009	0.061	3.98	1.00 - 4.00
5A-00156	30112	Th-234	1.02 R	0.2	0.081	3.19	1.00 - 4.00
5A-00156	30112	Th-232	1.24	0.002	0.061	3.1	1.00 - 4.00
5A-00156	30112	C-14	0.0057 U	0.025	0.0074	2.96	1.00 - 4.00
5A-00156	30112	Pb-212	1.56	0.024	0.077	2.69	1.00 - 4.00
5A-00156	30112	Th-230	0.968	0.009	0.049	2.2	1.00 - 4.00
5A-00156	30112	Bi-212	1.2	0.16	0.1	2.15	1.00 - 4.00
5A-00156	30112	U-233/234	0.748	0.009	0.041	2.02	1.00 - 4.00
5A-00156	30112	U-238	0.75	0.003	0.041	1.8	1.00 - 4.00
5A-00156	30112	Pb-214	0.92	0.03	0.054	1.7	1.00 - 4.00
5A-00156	30112	Tc-99	-0.042 U	0.31	0.093	1.63	1.00 - 4.00
5A-00156	30112	Bi-214	0.831	0.025	0.044	1.59	1.00 - 4.00
5A-00156	30112	Tl-208	0.516	0.017	0.027	0.937	1.00 - 4.00
5A-00156	30112	Pa-231	0.08 U	0.6	0.13	0.936	1.00 - 4.00
5A-00156	30112	Sr-90	-0.008 U	0.042	0.011	0.485	1.00 - 4.00
5A-00156	30112	Sb-125	0.15 JSK	0.042	0.014	0.354	1.00 - 4.00
5A-00156	30112	Eu-155	0.083 SK	0.036	0.015	0.231	1.00 - 4.00
5A-00156	30112	Ac-227	0.047 U	0.14	0.04	0.217	1.00 - 4.00
5A-00156	30112	Cs-137	0.0165	0.013	0.0056	0.207	1.00 - 4.00
5A-00156	30112	U-235/236	0.0434	0.011	0.0078	0.151	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00156	30112	Eu-154	0.021 U	0.11	0.032	0.15	1.00 - 4.00
5A-00156	30112	Th-229	0.0071	0.0028	0.0027	0.145	1.00 - 4.00
5A-00156	30112	Np-239	-0.012 U	0.088	0.026	0.139	1.00 - 4.00
5A-00156	30112	Cs-134	0.0197 U J	0.049	0.0057	0.0864	1.00 - 4.00
5A-00156	30112	Te-125m	0.0346 JSK	0.0098	0.0033	0.0838	1.00 - 4.00
5A-00156	30112	Eu-152	-0.002 U	0.039	0.012	0.0566	1.00 - 4.00
5A-00156	30112	Np-236	0.0013 U	0.032	0.0097	0.047	1.00 - 4.00
5A-00156	30112	Am-241	0.0021 U	0.0064	0.0018	0.0454	1.00 - 4.00
5A-00156	30112	Cm-243/244	0.0014 U	0.0064	0.0017	0.0443	1.00 - 4.00
5A-00156	30112	Ho-166m	0.019 SK	0.025	0.01	0.0432	1.00 - 4.00
5A-00156	30112	Pu-238	0.0017	0.0042	0.0013	0.0415	1.00 - 4.00
5A-00156	30112	Pu-239/240	0.0014	0.0019	0.001	0.0404	1.00 - 4.00
5A-00156	30112	Cm-245/246	0.0051	0.009	0.0032	0.0401	1.00 - 4.00
5A-00156	30112	Na-22	0.0004 U	0.025	0.0074	0.037	1.00 - 4.00
5A-00156	30112	Pu-244	0 U	0.0019	0.0004	0.0313	1.00 - 4.00
5A-00156	30112	Cm-247/248	0 U	0.004	0.0009	0.0306	1.00 - 4.00
5A-00156	30112	Co-60	-0.001 U	0.019	0.0057	0.028	1.00 - 4.00
5A-00156	30112	Sn-126	0.0033 U	0.016	0.0049	0.0237	1.00 - 4.00
5A-00156	30112	Nb-94	0.0185 SK	0.011	0.0051	0.0214	1.00 - 4.00
5A-00157	30113	Cd-113m	4 U	34	10	3030	1.00 - 2.00
5A-00157	30113	Tm-171	-3.9 U J	4.6	1.4	72.4	1.00 - 2.00
5A-00157	30113	K-40	22.1	0.2	1.1	32.4	1.00 - 2.00
5A-00157	30113	Ni-59	0 U	0.22	0.056	8.39	1.00 - 2.00
5A-00157	30113	Ni-63	-0.13 U	0.69	0.21	4.92	1.00 - 2.00
5A-00157	30113	Th-228	1.31	0.015	0.064	3.98	1.00 - 2.00
5A-00157	30113	Th-234	1.54 R	0.14	0.11	3.19	1.00 - 2.00
5A-00157	30113	Th-232	1.22	0.008	0.06	3.1	1.00 - 2.00
5A-00157	30113	C-14	0.0261	0.026	0.0082	2.96	1.00 - 2.00
5A-00157	30113	Pb-212	1.61	0.02	0.11	2.69	1.00 - 2.00
5A-00157	30113	Th-230	0.948	0.009	0.049	2.2	1.00 - 2.00
5A-00157	30113	Bi-212	0.954	0.095	0.071	2.15	1.00 - 2.00
5A-00157	30113	U-233/234	0.932	0.017	0.052	2.02	1.00 - 2.00
5A-00157	30113	U-238	0.981	0.003	0.054	1.8	1.00 - 2.00
5A-00157	30113	Pb-214	0.912	0.025	0.049	1.7	1.00 - 2.00
5A-00157	30113	Tc-99	-0.052 U	0.27	0.082	1.63	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00157	30113	Bi-214	0.808	0.022	0.044	1.59	1.00 - 2.00
5A-00157	30113	Tl-208	0.485	0.015	0.027	0.937	1.00 - 2.00
5A-00157	30113	Pa-231	0.06 U	0.45	0.13	0.936	1.00 - 2.00
5A-00157	30113	Sr-90	0.038	0.043	0.014	0.485	1.00 - 2.00
5A-00157	30113	Sb-125	0.149 JSK	0.032	0.012	0.354	1.00 - 2.00
5A-00157	30113	Eu-155	0.077 SK	0.028	0.012	0.231	1.00 - 2.00
5A-00157	30113	Ac-227	0.026 U	0.11	0.038	0.217	1.00 - 2.00
5A-00157	30113	Cs-137	0.0021 U	0.013	0.004	0.207	1.00 - 2.00
5A-00157	30113	U-235/236	0.0536	0.012	0.0097	0.151	1.00 - 2.00
5A-00157	30113	Eu-154	-0.042 U	0.08	0.024	0.15	1.00 - 2.00
5A-00157	30113	Th-229	0.0075	0.0079	0.0032	0.145	1.00 - 2.00
5A-00157	30113	Np-239	-0.001 U	0.053	0.016	0.139	1.00 - 2.00
5A-00157	30113	Cs-134	0.0202 JSK	0.0076	0.0028	0.0864	1.00 - 2.00
5A-00157	30113	Te-125m	0.0344 JSK	0.0075	0.0028	0.0838	1.00 - 2.00
5A-00157	30113	Eu-152	-0.0081 U	0.032	0.0097	0.0566	1.00 - 2.00
5A-00157	30113	Np-236	0.0002 U	0.027	0.0082	0.047	1.00 - 2.00
5A-00157	30113	Am-241	0.0014 U	0.0052	0.0014	0.0454	1.00 - 2.00
5A-00157	30113	Cm-243/244	0.0007 U	0.0066	0.0016	0.0443	1.00 - 2.00
5A-00157	30113	Ho-166m	0.0024 U	0.02	0.0028	0.0432	1.00 - 2.00
5A-00157	30113	Pu-238	0.0015 U	0.0074	0.0019	0.0415	1.00 - 2.00
5A-00157	30113	Pu-239/240	0.0003 U	0.0044	0.0009	0.0404	1.00 - 2.00
5A-00157	30113	Cm-245/246	0.0032	0.0043	0.0023	0.0401	1.00 - 2.00
5A-00157	30113	Na-22	-0.0038 U	0.019	0.0058	0.037	1.00 - 2.00
5A-00157	30113	Pu-244	0.0015	0.002	0.001	0.0313	1.00 - 2.00
5A-00157	30113	Cm-247/248	0.0006 U	0.0093	0.0018	0.0306	1.00 - 2.00
5A-00157	30113	Co-60	0.0017 U	0.015	0.0017	0.028	1.00 - 2.00
5A-00157	30113	Sn-126	0 U	0.013	0.003	0.0237	1.00 - 2.00
5A-00157	30113	Nb-94	0.0005 U	0.011	0.0033	0.0214	1.00 - 2.00
5A-00158	30114	Cd-113m	7 U	44	13	3030	1.00 - 5.00
5A-00158	30114	Tm-171	-5 U J	6.4	2	72.4	1.00 - 5.00
5A-00158	30114	K-40	20.6	0.2	1	32.4	1.00 - 5.00
5A-00158	30114	Ni-59	0 U	0.46	0.12	8.39	1.00 - 5.00
5A-00158	30114	Ni-63	0.29 U	0.97	0.29	4.92	1.00 - 5.00
5A-00158	30114	Th-228	1.51	0.018	0.074	3.98	1.00 - 5.00
5A-00158	30114	Th-234	0.508 R	0.17	0.058	3.19	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00158	30114	Th-232	1.52	0.006	0.074	3.1	1.00 - 5.00
5A-00158	30114	C-14	0.018	0.023	0.0072	2.96	1.00 - 5.00
5A-00158	30114	Pb-212	1.94	0.02	0.11	2.69	1.00 - 5.00
5A-00158	30114	Th-230	1.05	0.009	0.054	2.2	1.00 - 5.00
5A-00158	30114	Bi-212	1.28	0.16	0.11	2.15	1.00 - 5.00
5A-00158	30114	U-233/234	0.373	0.005	0.021	2.02	1.00 - 5.00
5A-00158	30114	U-238	0.368	0.005	0.021	1.8	1.00 - 5.00
5A-00158	30114	Pb-214	0.909	0.026	0.047	1.7	1.00 - 5.00
5A-00158	30114	Tc-99	-0.021 U	0.31	0.095	1.63	1.00 - 5.00
5A-00158	30114	Bi-214	0.82	0.028	0.044	1.59	1.00 - 5.00
5A-00158	30114	Tl-208	0.585	0.017	0.031	0.937	1.00 - 5.00
5A-00158	30114	Pa-231	-0.07 U	0.63	0.19	0.936	1.00 - 5.00
5A-00158	30114	Sr-90	-0.0013 U	0.034	0.0097	0.485	1.00 - 5.00
5A-00158	30114	Sb-125	0.161 JSK	0.042	0.015	0.354	1.00 - 5.00
5A-00158	30114	Eu-155	0.1 SK	0.036	0.016	0.231	1.00 - 5.00
5A-00158	30114	Ac-227	0.147	0.12	0.052	0.217	1.00 - 5.00
5A-00158	30114	Cs-137	-0.011 U	0.017	0.0087	0.207	1.00 - 5.00
5A-00158	30114	U-235/236	0.0217	0.0059	0.004	0.151	1.00 - 5.00
5A-00158	30114	Eu-154	0.022 U	0.1	0.013	0.15	1.00 - 5.00
5A-00158	30114	Th-229	0.0071	0.0027	0.0027	0.145	1.00 - 5.00
5A-00158	30114	Np-239	0.014 U	0.088	0.026	0.139	1.00 - 5.00
5A-00158	30114	Cs-134	0.002 U	0.052	0.016	0.0864	1.00 - 5.00
5A-00158	30114	Te-125m	0.0373 JSK	0.0098	0.0034	0.0838	1.00 - 5.00
5A-00158	30114	Eu-152	-0.005 U	0.042	0.013	0.0566	1.00 - 5.00
5A-00158	30114	Np-236	-0.008 U	0.033	0.01	0.047	1.00 - 5.00
5A-00158	30114	Am-241	0 U	0.0095	0.0018	0.0454	1.00 - 5.00
5A-00158	30114	Cm-243/244	0.0013 U	0.0035	0.0013	0.0443	1.00 - 5.00
5A-00158	30114	Ho-166m	0.0023 U R	0.027	0.0077	0.0432	1.00 - 5.00
5A-00158	30114	Pu-238	0.0016 U	0.0064	0.0017	0.0415	1.00 - 5.00
5A-00158	30114	Pu-239/240	0.0012 U	0.0052	0.0013	0.0404	1.00 - 5.00
5A-00158	30114	Cm-245/246	0.0047	0.012	0.0036	0.0401	1.00 - 5.00
5A-00158	30114	Na-22	-0.0035 U	0.026	0.0077	0.037	1.00 - 5.00
5A-00158	30114	Pu-244	0.0009 U	0.0024	0.0009	0.0313	1.00 - 5.00
5A-00158	30114	Cm-247/248	0 U	0.0052	0.0012	0.0306	1.00 - 5.00
5A-00158	30114	Co-60	-0.0068 U	0.021	0.0063	0.028	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00158	30114	Sn-126	0.0001 U	0.017	0.0051	0.0237	1.00 - 5.00
5A-00158	30114	Nb-94	0.0053 U	0.015	0.0046	0.0214	1.00 - 5.00
5A-00159	30115	Cd-113m	-37.5 U	137	42.3	3030	1.00 - 5.00
5A-00159	30115	Tm-171	-9.18 U	20.8	7.35	72.4	1.00 - 5.00
5A-00159	30115	K-40	22.5	0.142	1.42	32.4	1.00 - 5.00
5A-00159	30115	Ni-59	-1.97 U	3.16	1.06	8.39	1.00 - 5.00
5A-00159	30115	Ni-63	0.218 U	1.27	0.384	4.92	1.00 - 5.00
5A-00159	30115	Th-228	1.97	0.108	0.177	3.98	1.00 - 5.00
5A-00159	30115	Th-234	1.59 J	0.317	0.168	3.19	1.00 - 5.00
5A-00159	30115	Th-232	1.18	0.0506	0.114	3.1	1.00 - 5.00
5A-00159	30115	C-14	0.0971 U	0.728	0.218	2.96	1.00 - 5.00
5A-00159	30115	Pb-212	1.94	0.0452	0.118	2.69	1.00 - 5.00
5A-00159	30115	Th-230	1.03	0.0508	0.104	2.2	1.00 - 5.00
5A-00159	30115	Bi-212	1.07	0.184	0.0965	2.15	1.00 - 5.00
5A-00159	30115	U-233/234	0.99	0.0522	0.11	2.02	1.00 - 5.00
5A-00159	30115	U-238	0.99	0.0522	0.11	1.8	1.00 - 5.00
5A-00159	30115	Pb-214	1.18	0.0358	0.057	1.7	1.00 - 5.00
5A-00159	30115	Tc-99	-0.348 U	1.33	0.38	1.63	1.00 - 5.00
5A-00159	30115	Bi-214	1.03	0.0318	0.0492	1.59	1.00 - 5.00
5A-00159	30115	Tl-208	0.618	0.022	0.0354	0.937	1.00 - 5.00
5A-00159	30115	Pa-231	0.282 U	0.854	0.27	0.936	1.00 - 5.00
5A-00159	30115	Sr-90	0.579	0.142	0.0909	0.485	1.00 - 5.00
5A-00159	30115	Sb-125	-0.0014 U	0.0551	0.016	0.354	1.00 - 5.00
5A-00159	30115	Eu-155	0.0474 JS	0.0815	0.027	0.231	1.00 - 5.00
5A-00159	30115	Ac-227	-0.0077 U	0.21	0.0626	0.217	1.00 - 5.00
5A-00159	30115	Cs-137	-0.0071 U	0.0172	0.0063	0.207	1.00 - 5.00
5A-00159	30115	U-235/236	0.0409	0.0222	0.0186	0.151	1.00 - 5.00
5A-00159	30115	Eu-154	0.0371 U	0.117	0.0349	0.15	1.00 - 5.00
5A-00159	30115	Th-229	0.0207	0.0187	0.012	0.145	1.00 - 5.00
5A-00159	30115	Np-239	-0.0145 U	0.135	0.0402	0.139	1.00 - 5.00
5A-00159	30115	Cs-134	-0.0032 U	0.019	0.0066	0.0864	1.00 - 5.00
5A-00159	30115	Eu-152	-0.0281 U	0.0511	0.0207	0.0566	1.00 - 5.00
5A-00159	30115	Np-236	0.0125 U	0.0399	0.0125	0.047	1.00 - 5.00
5A-00159	30115	Am-241	0.0115 UJ	0.0502	0.0137	0.0454	1.00 - 5.00
5A-00159	30115	Cm-243/244	0.0037 UJ	0.0399	0.0094	0.0443	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00159	30115	Ho-166m	-0.0109 U	0.0275	0.0088	0.0432	1.00 - 5.00
5A-00159	30115	Pu-238	0.0019 U	0.0247	0.0062	0.0415	1.00 - 5.00
5A-00159	30115	Pu-239/240	0.0025 U	0.0126	0.0032	0.0404	1.00 - 5.00
5A-00159	30115	Na-22	-0.0005 UJ	0.027	0.0095	0.037	1.00 - 5.00
5A-00159	30115	Pu-244	0.004	0.0054	0.0028	0.0313	1.00 - 5.00
5A-00159	30115	Co-60	-0.0042 U	0.0204	0.006	0.028	1.00 - 5.00
5A-00159	30115	Sn-126	-0.0037 U	0.0179	0.0055	0.0237	1.00 - 5.00
5A-00159	30115	Nb-94	-0.0017 U	0.016	0.0048	0.0214	1.00 - 5.00
5A-00160	30116	Cd-113m	6.2 U	26	7.9	3030	1.00 - 5.00
5A-00160	30116	Tm-171	-1.2 U	5.9	1.8	72.4	1.00 - 5.00
5A-00160	30116	K-40	21.6	0.1	1.1	32.4	1.00 - 5.00
5A-00160	30116	Ni-59	0 U	0.2	0.071	8.39	1.00 - 5.00
5A-00160	30116	Ni-63	0.02 U	0.61	0.18	4.92	1.00 - 5.00
5A-00160	30116	Th-228	1.34	0.016	0.068	3.98	1.00 - 5.00
5A-00160	30116	Th-234	1.71 R	0.14	0.11	3.19	1.00 - 5.00
5A-00160	30116	Th-232	1.29	0.01	0.066	3.1	1.00 - 5.00
5A-00160	30116	C-14	0.0015 U	0.025	0.0075	2.96	1.00 - 5.00
5A-00160	30116	Pb-212	1.75	0.02	0.11	2.69	1.00 - 5.00
5A-00160	30116	Th-230	1.05	0.01	0.055	2.2	1.00 - 5.00
5A-00160	30116	Bi-212	1.19	0.1	0.085	2.15	1.00 - 5.00
5A-00160	30116	U-233/234	0.429	0.001	0.024	2.02	1.00 - 5.00
5A-00160	30116	U-238	0.444	0.001	0.024	1.8	1.00 - 5.00
5A-00160	30116	Pb-214	1	0.024	0.054	1.7	1.00 - 5.00
5A-00160	30116	Tc-99	-0.045 U	0.28	0.085	1.63	1.00 - 5.00
5A-00160	30116	Bi-214	0.912	0.024	0.05	1.59	1.00 - 5.00
5A-00160	30116	Tl-208	0.512	0.014	0.028	0.937	1.00 - 5.00
5A-00160	30116	Pa-231	-0.003 U	0.47	0.14	0.936	1.00 - 5.00
5A-00160	30116	Sr-90	-0.0089 U	0.033	0.0093	0.485	1.00 - 5.00
5A-00160	30116	Sb-125	0.136 SK	0.032	0.011	0.354	1.00 - 5.00
5A-00160	30116	Eu-155	0.079 SK	0.033	0.014	0.231	1.00 - 5.00
5A-00160	30116	Ac-227	0.067	0.13	0.016	0.217	1.00 - 5.00
5A-00160	30116	Cs-137	-0.0058 U	0.014	0.0041	0.207	1.00 - 5.00
5A-00160	30116	U-235/236	0.0175	0.0018	0.0035	0.151	1.00 - 5.00
5A-00160	30116	Eu-154	-0.02 U	0.084	0.025	0.15	1.00 - 5.00
5A-00160	30116	Th-229	0.0091	0.011	0.004	0.145	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00160	30116	Np-239	-0.002 U	0.073	0.022	0.139	1.00 - 5.00
5A-00160	30116	Cs-134	0.0087 U	0.04	0.0024	0.0864	1.00 - 5.00
5A-00160	30116	Te-125m	0.0313 SK	0.0073	0.0025	0.0838	1.00 - 5.00
5A-00160	30116	Eu-152	-0.0076 U	0.032	0.0096	0.0566	1.00 - 5.00
5A-00160	30116	Np-236	0.0027 U	0.023	0.0071	0.047	1.00 - 5.00
5A-00160	30116	Am-241	0.0008 U	0.002	0.0008	0.0454	1.00 - 5.00
5A-00160	30116	Cm-243/244	0.0008 U	0.0021	0.0008	0.0443	1.00 - 5.00
5A-00160	30116	Ho-166m	0.0082 U J	0.02	0.0058	0.0432	1.00 - 5.00
5A-00160	30116	Pu-238	0 U	0.0078	0.0017	0.0415	1.00 - 5.00
5A-00160	30116	Pu-239/240	-0.0005 U	0.0046	0.0005	0.0404	1.00 - 5.00
5A-00160	30116	Cm-245/246	-0.0018 U	0.011	0.0013	0.0401	1.00 - 5.00
5A-00160	30116	Na-22	-0.0005 U	0.015	0.0044	0.037	1.00 - 5.00
5A-00160	30116	Pu-244	0.0031	0.0021	0.0016	0.0313	1.00 - 5.00
5A-00160	30116	Cm-247/248	0.0015 U	0.0041	0.0015	0.0306	1.00 - 5.00
5A-00160	30116	Co-60	-0.0003 U	0.015	0.0044	0.028	1.00 - 5.00
5A-00160	30116	Sn-126	0.0042 U	0.012	0.0037	0.0237	1.00 - 5.00
5A-00160	30116	Nb-94	0.0067 SK	0.011	0.0034	0.0214	1.00 - 5.00
5A-00161	30117	Cd-113m	-0.287 U	148	45.6	3030	1.00 - 5.00
5A-00161	30117	Tm-171	-7.39 U	23	8.01	72.4	1.00 - 5.00
5A-00161	30117	K-40	21.2	0.144	1.31	32.4	1.00 - 5.00
5A-00161	30117	Ni-59	-0.959 U	3.53	1.02	8.39	1.00 - 5.00
5A-00161	30117	Ni-63	-0.008 U	1.28	0.383	4.92	1.00 - 5.00
5A-00161	30117	Th-228	1.81	0.0913	0.173	3.98	1.00 - 5.00
5A-00161	30117	Th-234	1.42 J	0.342	0.176	3.19	1.00 - 5.00
5A-00161	30117	Th-232	1.34	0.0556	0.129	3.1	1.00 - 5.00
5A-00161	30117	C-14	-0.136 U	0.919	0.274	2.96	1.00 - 5.00
5A-00161	30117	Pb-212	1.91	0.0477	0.124	2.69	1.00 - 5.00
5A-00161	30117	Th-230	0.939	0.0558	0.102	2.2	1.00 - 5.00
5A-00161	30117	Bi-212	1.28	0.191	0.113	2.15	1.00 - 5.00
5A-00161	30117	U-233/234	0.981	0.0471	0.106	2.02	1.00 - 5.00
5A-00161	30117	U-238	0.94	0.0471	0.103	1.8	1.00 - 5.00
5A-00161	30117	Pb-214	1.22	0.0386	0.0588	1.7	1.00 - 5.00
5A-00161	30117	Tc-99	-0.552 U	1.28	0.362	1.63	1.00 - 5.00
5A-00161	30117	Bi-214	1.14	0.0332	0.0543	1.59	1.00 - 5.00
5A-00161	30117	Tl-208	0.587	0.0225	0.0349	0.937	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00161	30117	Pa-231	0.0246 U	0.924	0.286	0.936	1.00 - 5.00
5A-00161	30117	Sr-90	0.0561 U	0.144	0.0433	0.485	1.00 - 5.00
5A-00161	30117	Sb-125	-0.0156 U	0.0595	0.0188	0.354	1.00 - 5.00
5A-00161	30117	Eu-155	0.0817 JS	0.0878	0.0328	0.231	1.00 - 5.00
5A-00161	30117	Ac-227	0.002 U	0.22	0.0656	0.217	1.00 - 5.00
5A-00161	30117	Cs-137	0.0003 U	0.0184	0.0063	0.207	1.00 - 5.00
5A-00161	30117	U-235/236	0.0812	0.02	0.0252	0.151	1.00 - 5.00
5A-00161	30117	Eu-154	-0.0313 U	0.114	0.0346	0.15	1.00 - 5.00
5A-00161	30117	Th-229	0.0304 U	0.0818	0.0241	0.145	1.00 - 5.00
5A-00161	30117	Np-239	0.0391 U	0.15	0.045	0.139	1.00 - 5.00
5A-00161	30117	Cs-134	0.0012 U	0.0204	0.0069	0.0864	1.00 - 5.00
5A-00161	30117	Eu-152	0.0198 U	0.0559	0.0209	0.0566	1.00 - 5.00
5A-00161	30117	Np-236	0.0124 U	0.042	0.0132	0.047	1.00 - 5.00
5A-00161	30117	Am-241	0.0019 U	0.0331	0.0081	0.0454	1.00 - 5.00
5A-00161	30117	Cm-243/244	0.0041 U	0.0317	0.008	0.0443	1.00 - 5.00
5A-00161	30117	Ho-166m	-0.0025 U	0.0294	0.0088	0.0432	1.00 - 5.00
5A-00161	30117	Pu-238	0.0025	0.0068	0.0025	0.0415	1.00 - 5.00
5A-00161	30117	Pu-239/240	0.0046 U	0.0226	0.0059	0.0404	1.00 - 5.00
5A-00161	30117	Na-22	-0.0177 UJ	0.0276	0.0095	0.037	1.00 - 5.00
5A-00161	30117	Pu-244	0.0032 U	0.0159	0.004	0.0313	1.00 - 5.00
5A-00161	30117	Co-60	-0.0055 U	0.0216	0.0066	0.028	1.00 - 5.00
5A-00161	30117	Sn-126	-0.0093 U	0.0187	0.0061	0.0237	1.00 - 5.00
5A-00161	30117	Nb-94	-0.0011 U	0.0171	0.0051	0.0214	1.00 - 5.00
5A-00162	30118	Cd-113m	10 U	43	13	3030	1.00 - 5.00
5A-00162	30118	Tm-171	0.6 U	4.5	1.4	72.4	1.00 - 5.00
5A-00162	30118	K-40	21.7	0.2	1.1	32.4	1.00 - 5.00
5A-00162	30118	Ni-59	0 U	0.2	0.081	8.39	1.00 - 5.00
5A-00162	30118	Ni-63	-0.23 U	0.72	0.21	4.92	1.00 - 5.00
5A-00162	30118	Th-228	1.53 K	0.017	0.075	3.98	1.00 - 5.00
5A-00162	30118	Th-234	0.526 R	0.18	0.062	3.19	1.00 - 5.00
5A-00162	30118	Th-232	1.43	0.009	0.07	3.1	1.00 - 5.00
5A-00162	30118	C-14	0.0099 U	0.022	0.0068	2.96	1.00 - 5.00
5A-00162	30118	Pb-212	1.84	0.027	0.09	2.69	1.00 - 5.00
5A-00162	30118	Th-230	1.05 K	0.009	0.054	2.2	1.00 - 5.00
5A-00162	30118	Bi-212	1.36	0.16	0.11	2.15	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00162	30118	U-233/234	0.438	0.001	0.024	2.02	1.00 - 5.00
5A-00162	30118	U-238	0.396	0.004	0.022	1.8	1.00 - 5.00
5A-00162	30118	Pb-214	0.973	0.03	0.056	1.7	1.00 - 5.00
5A-00162	30118	Tc-99	0.002 U	0.29	0.089	1.63	1.00 - 5.00
5A-00162	30118	Bi-214	0.871	0.029	0.047	1.59	1.00 - 5.00
5A-00162	30118	Tl-208	0.62	0.021	0.033	0.937	1.00 - 5.00
5A-00162	30118	Pa-231	0.14 U	0.53	0.12	0.936	1.00 - 5.00
5A-00162	30118	Sr-90	0.01 U	0.051	0.015	0.485	1.00 - 5.00
5A-00162	30118	Sb-125	0.142 JSK	0.044	0.012	0.354	1.00 - 5.00
5A-00162	30118	Eu-155	0.102 SK	0.037	0.015	0.231	1.00 - 5.00
5A-00162	30118	Ac-227	-0.07 U	0.15	0.046	0.217	1.00 - 5.00
5A-00162	30118	Cs-137	-0.008 U	0.017	0.0052	0.207	1.00 - 5.00
5A-00162	30118	U-235/236	0.018	0.006	0.0037	0.151	1.00 - 5.00
5A-00162	30118	Eu-154	0.0096 U	0.097	0.0072	0.15	1.00 - 5.00
5A-00162	30118	Th-229	0.0061	0.0028	0.0025	0.145	1.00 - 5.00
5A-00162	30118	Np-239	0.004 U	0.078	0.023	0.139	1.00 - 5.00
5A-00162	30118	Cs-134	0.0271 SK	0.052	0.006	0.0864	1.00 - 5.00
5A-00162	30118	Te-125m	0.0329 JSK	0.01	0.0028	0.0838	1.00 - 5.00
5A-00162	30118	Eu-152	0.0139 U	0.042	0.0066	0.0566	1.00 - 5.00
5A-00162	30118	Np-236	-0.008 U	0.033	0.01	0.047	1.00 - 5.00
5A-00162	30118	Am-241	-0.001 U	0.013	0.0028	0.0454	1.00 - 5.00
5A-00162	30118	Cm-243/244	0 U	0.0098	0.0021	0.0443	1.00 - 5.00
5A-00162	30118	Ho-166m	0.0019 U R	0.026	0.0034	0.0432	1.00 - 5.00
5A-00162	30118	Pu-238	0.0019	0.0047	0.0014	0.0415	1.00 - 5.00
5A-00162	30118	Pu-239/240	0.0024	0.0021	0.0014	0.0404	1.00 - 5.00
5A-00162	30118	Cm-245/246	-0.001 U	0.01	0.001	0.0401	1.00 - 5.00
5A-00162	30118	Na-22	-0.0062 U	0.026	0.0079	0.037	1.00 - 5.00
5A-00162	30118	Pu-244	0.0047	0.0021	0.0019	0.0313	1.00 - 5.00
5A-00162	30118	Cm-247/248	0 U	0.0045	0.001	0.0306	1.00 - 5.00
5A-00162	30118	Co-60	-0.0032 U	0.019	0.0057	0.028	1.00 - 5.00
5A-00162	30118	Sn-126	-0.0004 U	0.018	0.0053	0.0237	1.00 - 5.00
5A-00162	30118	Nb-94	0.0036 U	0.015	0.0046	0.0214	1.00 - 5.00
5A-00163	30119	Cd-113m	-10 U	35	11	3030	1.00 - 5.00
5A-00163	30119	Tm-171	3.3	5.7	1.7	72.4	1.00 - 5.00
5A-00163	30119	K-40	21.5	0.1	1	32.4	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00163	30119	Ni-59	0 U	0.19	0.065	8.39	1.00 - 5.00
5A-00163	30119	Ni-63	0.13 U	0.71	0.21	4.92	1.00 - 5.00
5A-00163	30119	Th-228	1.46	0.017	0.072	3.98	1.00 - 5.00
5A-00163	30119	Th-234	1.85 R	0.13	0.11	3.19	1.00 - 5.00
5A-00163	30119	Th-232	1.49	0.003	0.073	3.1	1.00 - 5.00
5A-00163	30119	C-14	0.0123	0.021	0.0065	2.96	1.00 - 5.00
5A-00163	30119	Pb-212	1.98	0.02	0.11	2.69	1.00 - 5.00
5A-00163	30119	Th-230	1.04	0.003	0.054	2.2	1.00 - 5.00
5A-00163	30119	Bi-212	1.23	0.1	0.083	2.15	1.00 - 5.00
5A-00163	30119	U-233/234	0.421	0.004	0.023	2.02	1.00 - 5.00
5A-00163	30119	U-238	0.457	0.001	0.024	1.8	1.00 - 5.00
5A-00163	30119	Pb-214	0.905	0.022	0.046	1.7	1.00 - 5.00
5A-00163	30119	Tc-99	0.006 U	0.3	0.089	1.63	1.00 - 5.00
5A-00163	30119	Bi-214	0.788	0.022	0.041	1.59	1.00 - 5.00
5A-00163	30119	Tl-208	0.597	0.014	0.031	0.937	1.00 - 5.00
5A-00163	30119	Pa-231	-0.17 U	0.48	0.14	0.936	1.00 - 5.00
5A-00163	30119	Sr-90	0.028	0.045	0.014	0.485	1.00 - 5.00
5A-00163	30119	Sb-125	0.125 JSK	0.033	0.0088	0.354	1.00 - 5.00
5A-00163	30119	Eu-155	0.103 SK	0.032	0.014	0.231	1.00 - 5.00
5A-00163	30119	Ac-227	0.05 U	0.12	0.041	0.217	1.00 - 5.00
5A-00163	30119	Cs-137	0.0002 U	0.011	0.0032	0.207	1.00 - 5.00
5A-00163	30119	U-235/236	0.0216	0.0016	0.0037	0.151	1.00 - 5.00
5A-00163	30119	Eu-154	0.004 U	0.075	0.023	0.15	1.00 - 5.00
5A-00163	30119	Th-229	0.009	0.0083	0.0036	0.145	1.00 - 5.00
5A-00163	30119	Np-239	0.003 U	0.074	0.022	0.139	1.00 - 5.00
5A-00163	30119	Cs-134	0.003 U	0.035	0.01	0.0864	1.00 - 5.00
5A-00163	30119	Te-125m	0.0289 JSK	0.0077	0.002	0.0838	1.00 - 5.00
5A-00163	30119	Eu-152	0.025 K R	0.025	0.013	0.0566	1.00 - 5.00
5A-00163	30119	Np-236	0.0005 U	0.028	0.0083	0.047	1.00 - 5.00
5A-00163	30119	Am-241	0.0022 U	0.012	0.0032	0.0454	1.00 - 5.00
5A-00163	30119	Cm-243/244	0.0034	0.003	0.002	0.0443	1.00 - 5.00
5A-00163	30119	Ho-166m	0.0106 RSK	0.02	0.0048	0.0432	1.00 - 5.00
5A-00163	30119	Pu-238	0.0024	0.0061	0.0018	0.0415	1.00 - 5.00
5A-00163	30119	Pu-239/240	0.0012 U	0.005	0.0013	0.0404	1.00 - 5.00
5A-00163	30119	Cm-245/246	0.002 U	0.0053	0.002	0.0401	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00163	30119	Na-22	-0.0065 U	0.017	0.0053	0.037	1.00 - 5.00
5A-00163	30119	Pu-244	0.0012 U	0.005	0.0013	0.0313	1.00 - 5.00
5A-00163	30119	Cm-247/248	0.0008 U	0.011	0.0022	0.0306	1.00 - 5.00
5A-00163	30119	Co-60	0.0009 U	0.014	0.0015	0.028	1.00 - 5.00
5A-00163	30119	Sn-126	0.0011 U	0.012	0.0037	0.0237	1.00 - 5.00
5A-00163	30119	Nb-94	0.0037 U	0.011	0.0034	0.0214	1.00 - 5.00
5A-00166	30122	Cd-113m	5 U	33	10	3030	0.00 - 0.50
5A-00166	30122	Tm-171	-3 U	4.9	1.5	72.4	0.00 - 0.50
5A-00166	30122	K-40	20.8	0.1	1.1	32.4	0.00 - 0.50
5A-00166	30122	Ni-59	0 U	0.18	0.051	8.39	0.00 - 0.50
5A-00166	30122	Ni-63	0.13 U	0.56	0.17	4.92	0.00 - 0.50
5A-00166	30122	Th-228	1.27	0.019	0.065	3.98	0.00 - 0.50
5A-00166	30122	Th-234	0.32 R	0.14	0.046	3.19	0.00 - 0.50
5A-00166	30122	Th-232	1.23	0.01	0.063	3.1	0.00 - 0.50
5A-00166	30122	C-14	0.025	0.038	0.012	2.96	0.00 - 0.50
5A-00166	30122	Pb-212	1.56	0.02	0.1	2.69	0.00 - 0.50
5A-00166	30122	Th-230	0.781	0.011	0.044	2.2	0.00 - 0.50
5A-00166	30122	Bi-212	1	0.1	0.077	2.15	0.00 - 0.50
5A-00166	30122	U-233/234	0.567	0.01	0.035	2.02	0.00 - 0.50
5A-00166	30122	U-238	0.61	0.008	0.037	1.8	0.00 - 0.50
5A-00166	30122	Pb-214	0.674	0.022	0.037	1.7	0.00 - 0.50
5A-00166	30122	Tc-99	-0.073 U	0.3	0.09	1.63	0.00 - 0.50
5A-00166	30122	Bi-214	0.599	0.02	0.033	1.59	0.00 - 0.50
5A-00166	30122	Tl-208	0.449	0.014	0.025	0.937	0.00 - 0.50
5A-00166	30122	Pa-231	0.038 U	0.45	0.061	0.936	0.00 - 0.50
5A-00166	30122	Sr-90	0.0141 U	0.03	0.009	0.485	0.00 - 0.50
5A-00166	30122	Sb-125	0.129 SK	0.031	0.011	0.354	0.00 - 0.50
5A-00166	30122	Eu-155	0.078 SK	0.029	0.013	0.231	0.00 - 0.50
5A-00166	30122	Ac-227	0.0361 U	0.1	0.0098	0.217	0.00 - 0.50
5A-00166	30122	Cs-137	0.021	0.0097	0.0046	0.207	0.00 - 0.50
5A-00166	30122	U-235/236	0.0209	0.01	0.0058	0.151	0.00 - 0.50
5A-00166	30122	Eu-154	-0.023 U	0.076	0.023	0.15	0.00 - 0.50
5A-00166	30122	Th-229	0.0132	0.014	0.0053	0.145	0.00 - 0.50
5A-00166	30122	Np-239	0.028 U	0.068	0.021	0.139	0.00 - 0.50
5A-00166	30122	Cs-134	0.0177 SK	0.033	0.004	0.0864	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00166	30122	Te-125m	0.0298 SK	0.0072	0.0026	0.0838	0.00 - 0.50
5A-00166	30122	Eu-152	0.0153 K R	0.03	0.007	0.0566	0.00 - 0.50
5A-00166	30122	Np-236	-0.008 U	0.026	0.0079	0.047	0.00 - 0.50
5A-00166	30122	Am-241	0.0033	0.0022	0.0017	0.0454	0.00 - 0.50
5A-00166	30122	Cm-243/244	0.0025	0.0061	0.0018	0.0443	0.00 - 0.50
5A-00166	30122	Ho-166m	0.0042 U J	0.02	0.0023	0.0432	0.00 - 0.50
5A-00166	30122	Pu-238	0.0011 U	0.0029	0.0008	0.0415	0.00 - 0.50
5A-00166	30122	Pu-239/240	0.0031	0.0021	0.0015	0.0404	0.00 - 0.50
5A-00166	30122	Cm-245/246	-0.0008 U	0.011	0.0026	0.0401	0.00 - 0.50
5A-00166	30122	Na-22	0.0001 U	0.018	0.0054	0.037	0.00 - 0.50
5A-00166	30122	Pu-244	0.0031	0.0021	0.0015	0.0313	0.00 - 0.50
5A-00166	30122	Cm-247/248	0 U	0.0021	0.0008	0.0306	0.00 - 0.50
5A-00166	30122	Co-60	-0.0019 U	0.013	0.004	0.028	0.00 - 0.50
5A-00166	30122	Sn-126	0.0044 U	0.0093	0.0028	0.0237	0.00 - 0.50
5A-00166	30122	Nb-94	0.0064 SK	0.01	0.0032	0.0214	0.00 - 0.50
5A-00167	30123	Cd-113m	5.7 U	31	9.4	3030	1.00 - 2.00
5A-00167	30123	Tm-171	-3.1 U J	4.7	1.4	72.4	1.00 - 2.00
5A-00167	30123	K-40	20	0.12	0.98	32.4	1.00 - 2.00
5A-00167	30123	Ni-59	0 U	0.48	0.11	8.39	1.00 - 2.00
5A-00167	30123	Ni-63	0.19 U	0.72	0.21	4.92	1.00 - 2.00
5A-00167	30123	Th-228	1.37	0.02	0.07	3.98	1.00 - 2.00
5A-00167	30123	Th-234	0.4 R	0.13	0.046	3.19	1.00 - 2.00
5A-00167	30123	Th-232	1.36	0.01	0.069	3.1	1.00 - 2.00
5A-00167	30123	C-14	0.0024 U	0.024	0.0071	2.96	1.00 - 2.00
5A-00167	30123	Pb-212	1.62	0.017	0.091	2.69	1.00 - 2.00
5A-00167	30123	Th-230	1.01	0.012	0.054	2.2	1.00 - 2.00
5A-00167	30123	Bi-212	0.981	0.083	0.066	2.15	1.00 - 2.00
5A-00167	30123	U-233/234	0.98	0.009	0.052	2.02	1.00 - 2.00
5A-00167	30123	U-238	1.02	0.007	0.054	1.8	1.00 - 2.00
5A-00167	30123	Pb-214	0.926	0.019	0.047	1.7	1.00 - 2.00
5A-00167	30123	Tc-99	0.054 U	0.27	0.082	1.63	1.00 - 2.00
5A-00167	30123	Bi-214	0.814	0.018	0.042	1.59	1.00 - 2.00
5A-00167	30123	Tl-208	0.488 J	0.013	0.025	0.937	1.00 - 2.00
5A-00167	30123	Pa-231	0.1 U	0.32	0.089	0.936	1.00 - 2.00
5A-00167	30123	Sr-90	0.026	0.042	0.013	0.485	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00167	30123	Sb-125	0.134 SK	0.019	0.01	0.354	1.00 - 2.00
5A-00167	30123	Eu-155	0.083 SK	0.028	0.012	0.231	1.00 - 2.00
5A-00167	30123	Ac-227	0.063 K R	0.11	0.013	0.217	1.00 - 2.00
5A-00167	30123	Cs-137	-0.0073 U J	0.012	0.0036	0.207	1.00 - 2.00
5A-00167	30123	U-235/236	0.0551	0.0034	0.0086	0.151	1.00 - 2.00
5A-00167	30123	Eu-154	0.0237	0.047	0.0092	0.15	1.00 - 2.00
5A-00167	30123	Th-229	0.0047	0.011	0.0033	0.145	1.00 - 2.00
5A-00167	30123	Np-239	-0.012 U	0.067	0.02	0.139	1.00 - 2.00
5A-00167	30123	Cs-134	0.0026 U	0.032	0.0052	0.0864	1.00 - 2.00
5A-00167	30123	Te-125m	0.0308 SK	0.0044	0.0024	0.0838	1.00 - 2.00
5A-00167	30123	Eu-152	-0.0098 U	0.029	0.0087	0.0566	1.00 - 2.00
5A-00167	30123	Np-236	-0.0047 U	0.025	0.0075	0.047	1.00 - 2.00
5A-00167	30123	Am-241	0.0035	0.0085	0.0026	0.0454	1.00 - 2.00
5A-00167	30123	Cm-243/244	0 U	0.0031	0.0012	0.0443	1.00 - 2.00
5A-00167	30123	Ho-166m	0.0095 JSK	0.017	0.0055	0.0432	1.00 - 2.00
5A-00167	30123	Pu-238	-0.0018 U	0.0083	0.001	0.0415	1.00 - 2.00
5A-00167	30123	Pu-239/240	0.004	0.0027	0.002	0.0404	1.00 - 2.00
5A-00167	30123	Cm-245/246	0.0021 U	0.0028	0.0015	0.0401	1.00 - 2.00
5A-00167	30123	Na-22	0.001 U	0.013	0.0037	0.037	1.00 - 2.00
5A-00167	30123	Pu-244	0.0014 U	0.0059	0.0015	0.0313	1.00 - 2.00
5A-00167	30123	Cm-247/248	-0.001 U	0.0076	0.001	0.0306	1.00 - 2.00
5A-00167	30123	Co-60	0.0015 U	0.013	0.0031	0.028	1.00 - 2.00
5A-00167	30123	Sn-126	0.0045 U	0.011	0.0035	0.0237	1.00 - 2.00
5A-00167	30123	Nb-94	0.0017 U	0.0067	0.002	0.0214	1.00 - 2.00
5A-00168	30124	Cd-113m	-10.4 U	118	34.4	3030	1.00 - 4.00
5A-00168	30124	Tm-171	-2.87 U	14.8	4.98	72.4	1.00 - 4.00
5A-00168	30124	K-40	19.5	0.115	1.1	32.4	1.00 - 4.00
5A-00168	30124	Ni-59	-4.88 R	3.12	1.61	8.39	1.00 - 4.00
5A-00168	30124	Ni-63	0.208 U	1.2	0.363	4.92	1.00 - 4.00
5A-00168	30124	Th-228	1.91	0.0864	0.175	3.98	1.00 - 4.00
5A-00168	30124	Th-234	1.57 J	0.257	0.157	3.19	1.00 - 4.00
5A-00168	30124	Th-232	1.26	0.0194	0.121	3.1	1.00 - 4.00
5A-00168	30124	C-14	-0.303 U	0.905	0.268	2.96	1.00 - 4.00
5A-00168	30124	Pb-212	2.02	0.038	0.118	2.69	1.00 - 4.00
5A-00168	30124	Th-230	1.1	0.0861	0.111	2.2	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00168	30124	Bi-212	1.25	0.151	0.0954	2.15	1.00 - 4.00
5A-00168	30124	U-233/234	1.16	0.0614	0.125	2.02	1.00 - 4.00
5A-00168	30124	U-238	1.07	0.0432	0.117	1.8	1.00 - 4.00
5A-00168	30124	Pb-214	1.17	0.0306	0.0547	1.7	1.00 - 4.00
5A-00168	30124	Tc-99	-0.275 U	1.27	0.367	1.63	1.00 - 4.00
5A-00168	30124	Bi-214	1.06	0.0269	0.0482	1.59	1.00 - 4.00
5A-00168	30124	Tl-208	0.637	0.0189	0.0348	0.937	1.00 - 4.00
5A-00168	30124	Pa-231	-0.269 U	0.714	0.227	0.936	1.00 - 4.00
5A-00168	30124	Sr-90	2.56 J	0.162	0.272	0.485	1.00 - 4.00
5A-00168	30124	Sb-125	-0.0062 U	0.0468	0.014	0.354	1.00 - 4.00
5A-00168	30124	Eu-155	0.0697 JS	0.0709	0.0267	0.231	1.00 - 4.00
5A-00168	30124	Ac-227	0.0217 U	0.182	0.0529	0.217	1.00 - 4.00
5A-00168	30124	Cs-137	-0.0069 U	0.0159	0.0052	0.207	1.00 - 4.00
5A-00168	30124	U-235/236	0.0298	0.0661	0.0207	0.151	1.00 - 4.00
5A-00168	30124	Eu-154	-0.0672 UJ	0.0867	0.0312	0.15	1.00 - 4.00
5A-00168	30124	Th-229	0.0359	0.0529	0.0191	0.145	1.00 - 4.00
5A-00168	30124	Np-239	0.0165 U	0.12	0.0373	0.139	1.00 - 4.00
5A-00168	30124	Cs-134	0.0136 JS	0.0167	0.0063	0.0864	1.00 - 4.00
5A-00168	30124	Eu-152	-0.0179 U	0.043	0.014	0.0566	1.00 - 4.00
5A-00168	30124	Np-236	-0.0101 U	0.0334	0.0105	0.047	1.00 - 4.00
5A-00168	30124	Am-241	0.0215 UJ	0.0537	0.0161	0.0454	1.00 - 4.00
5A-00168	30124	Cm-243/244	0.003 UJ	0.0519	0.0127	0.0443	1.00 - 4.00
5A-00168	30124	Ho-166m	-0.0129 U	0.0229	0.0078	0.0432	1.00 - 4.00
5A-00168	30124	Pu-238	0.003 U	0.0148	0.0037	0.0415	1.00 - 4.00
5A-00168	30124	Pu-239/240	-0.001 U	0.0182	0.0033	0.0404	1.00 - 4.00
5A-00168	30124	Na-22	-0.0084 UJ	0.022	0.007	0.037	1.00 - 4.00
5A-00168	30124	Pu-244	0.0006 U	0.0147	0.0029	0.0313	1.00 - 4.00
5A-00168	30124	Co-60	-0.005 U	0.0169	0.0053	0.028	1.00 - 4.00
5A-00168	30124	Sn-126	-0.0023 U	0.0154	0.0047	0.0237	1.00 - 4.00
5A-00168	30124	Nb-94	0.0048 U	0.014	0.0043	0.0214	1.00 - 4.00
5A-00169	30125	Cd-113m	-30.4 U	120	37.9	3030	1.00 - 5.00
5A-00169	30125	Tm-171	-1.51 U	13.9	4.85	72.4	1.00 - 5.00
5A-00169	30125	K-40	20.7	0.115	1.18	32.4	1.00 - 5.00
5A-00169	30125	Ni-59	-1.13 U	2.88	0.871	8.39	1.00 - 5.00
5A-00169	30125	Ni-63	0.0536 U	1.26	0.376	4.92	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00169	30125	Th-228	1.55	0.0931	0.148	3.98	1.00 - 5.00
5A-00169	30125	Th-234	1.58 J	0.261	0.147	3.19	1.00 - 5.00
5A-00169	30125	Th-232	1.18	0.0617	0.113	3.1	1.00 - 5.00
5A-00169	30125	C-14	-0.0191 U	0.772	0.229	2.96	1.00 - 5.00
5A-00169	30125	Pb-212	1.72	0.0374	0.108	2.69	1.00 - 5.00
5A-00169	30125	Th-230	1.07	0.0619	0.106	2.2	1.00 - 5.00
5A-00169	30125	Bi-212	1.02	0.145	0.0805	2.15	1.00 - 5.00
5A-00169	30125	U-233/234	0.931	0.0448	0.108	2.02	1.00 - 5.00
5A-00169	30125	U-238	1.02	0.0555	0.115	1.8	1.00 - 5.00
5A-00169	30125	Pb-214	1.08	0.0293	0.0537	1.7	1.00 - 5.00
5A-00169	30125	Tc-99	-0.579 U	1.26	0.357	1.63	1.00 - 5.00
5A-00169	30125	Bi-214	0.942	0.0263	0.0481	1.59	1.00 - 5.00
5A-00169	30125	Tl-208	0.536	0.0191	0.0305	0.937	1.00 - 5.00
5A-00169	30125	Pa-231	-0.279 U	0.683	0.225	0.936	1.00 - 5.00
5A-00169	30125	Sr-90	0.0237 U	0.189	0.0531	0.485	1.00 - 5.00
5A-00169	30125	Sb-125	0.0165 U	0.0451	0.0139	0.354	1.00 - 5.00
5A-00169	30125	Eu-155	0.0654 JS	0.0673	0.0244	0.231	1.00 - 5.00
5A-00169	30125	Ac-227	-0.0012 U	0.175	0.0521	0.217	1.00 - 5.00
5A-00169	30125	Cs-137	-0.007 U	0.015	0.0048	0.207	1.00 - 5.00
5A-00169	30125	U-235/236	0.0609	0.0236	0.0235	0.151	1.00 - 5.00
5A-00169	30125	Eu-154	-0.103 UJ	0.0876	0.0371	0.15	1.00 - 5.00
5A-00169	30125	Th-229	0.0868	0.0492	0.0264	0.145	1.00 - 5.00
5A-00169	30125	Np-239	0.0033 U	0.117	0.0347	0.139	1.00 - 5.00
5A-00169	30125	Cs-134	-0.0014 U	0.0165	0.0056	0.0864	1.00 - 5.00
5A-00169	30125	Eu-152	-0.0272 U	0.0426	0.0156	0.0566	1.00 - 5.00
5A-00169	30125	Np-236	-0.0031 U	0.0334	0.0098	0.047	1.00 - 5.00
5A-00169	30125	Am-241	0.0032 U	0.0161	0.004	0.0454	1.00 - 5.00
5A-00169	30125	Cm-243/244	0.0041 U	0.0205	0.0052	0.0443	1.00 - 5.00
5A-00169	30125	Ho-166m	-0.0065 U	0.0226	0.0069	0.0432	1.00 - 5.00
5A-00169	30125	Pu-238	-0.0039 U	0.021	0.0037	0.0415	1.00 - 5.00
5A-00169	30125	Pu-239/240	0.0048	0.0133	0.0039	0.0404	1.00 - 5.00
5A-00169	30125	Na-22	-0.0108 UJ	0.0206	0.0079	0.037	1.00 - 5.00
5A-00169	30125	Pu-244	0.011	0.0133	0.0054	0.0313	1.00 - 5.00
5A-00169	30125	Co-60	0.003 U	0.017	0.0051	0.028	1.00 - 5.00
5A-00169	30125	Sn-126	0.0044 U	0.0151	0.0044	0.0237	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00169	30125	Nb-94	0.0065 U	0.0136	0.0042	0.0214	1.00 - 5.00
5A-00171	30127	Cd-113m	4 U	35	10	3030	0.00 - 0.50
5A-00171	30128	Cd-113m	6 U	40	12	3030	1.00 - 3.00
5A-00171	30127	Tm-171	0.7 U J	4	1.2	72.4	0.00 - 0.50
5A-00171	30128	Tm-171	-1.4 U	5.5	1.7	72.4	1.00 - 3.00
5A-00171	30127	K-40	21.9	0.2	1.1	32.4	0.00 - 0.50
5A-00171	30128	K-40	19	0.15	0.94	32.4	1.00 - 3.00
5A-00171	30127	Ni-59	0 U	0.49	0.12	8.39	0.00 - 0.50
5A-00171	30128	Ni-59	0 U	0.17	0.043	8.39	1.00 - 3.00
5A-00171	30127	Ni-63	0.28 U	0.73	0.22	4.92	0.00 - 0.50
5A-00171	30128	Ni-63	-0.12 U	0.7	0.2	4.92	1.00 - 3.00
5A-00171	30127	Th-228	1.24	0.012	0.063	3.98	0.00 - 0.50
5A-00171	30128	Th-228	1.31	0.019	0.067	3.98	1.00 - 3.00
5A-00171	30127	Th-234	0.691 R	0.14	0.058	3.19	0.00 - 0.50
5A-00171	30128	Th-234	0.696 R	0.16	0.061	3.19	1.00 - 3.00
5A-00171	30127	Th-232	1.24	0.003	0.062	3.1	0.00 - 0.50
5A-00171	30128	Th-232	1.38	0.01	0.069	3.1	1.00 - 3.00
5A-00171	30127	C-14	0.046	0.047	0.015	2.96	0.00 - 0.50
5A-00171	30128	C-14	0.0155	0.031	0.0094	2.96	1.00 - 3.00
5A-00171	30127	Pb-212	1.6	0.02	0.1	2.69	0.00 - 0.50
5A-00171	30128	Pb-212	1.58	0.023	0.089	2.69	1.00 - 3.00
5A-00171	30127	Th-230	0.945	0.007	0.05	2.2	0.00 - 0.50
5A-00171	30128	Th-230	1.1	0.011	0.057	2.2	1.00 - 3.00
5A-00171	30127	Bi-212	1.03	0.11	0.079	2.15	0.00 - 0.50
5A-00171	30128	Bi-212	1.04	0.13	0.083	2.15	1.00 - 3.00
5A-00171	30127	U-233/234	0.64	0.006	0.036	2.02	0.00 - 0.50
5A-00171	30128	U-233/234	0.469	0.005	0.026	2.02	1.00 - 3.00
5A-00171	30127	U-238	0.678	0.008	0.037	1.8	0.00 - 0.50
5A-00171	30128	U-238	0.473	0.005	0.026	1.8	1.00 - 3.00
5A-00171	30127	Pb-214	0.913	0.023	0.049	1.7	0.00 - 0.50
5A-00171	30128	Pb-214	0.871	0.024	0.045	1.7	1.00 - 3.00
5A-00171	30127	Tc-99	-0.083 U	0.29	0.086	1.63	0.00 - 0.50
5A-00171	30128	Tc-99	-0.053 U	0.3	0.089	1.63	1.00 - 3.00
5A-00171	30127	Bi-214	0.847	0.022	0.046	1.59	0.00 - 0.50
5A-00171	30128	Bi-214	0.77	0.03	0.042	1.59	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00171	30127	Tl-208	0.481 J	0.016	0.027	0.937	0.00 - 0.50
5A-00171	30128	Tl-208	0.463	0.017	0.025	0.937	1.00 - 3.00
5A-00171	30127	Pa-231	-0.14 U	0.51	0.15	0.936	0.00 - 0.50
5A-00171	30128	Pa-231	-0.01 U	0.58	0.17	0.936	1.00 - 3.00
5A-00171	30127	Sr-90	-0.0008 U	0.031	0.0089	0.485	0.00 - 0.50
5A-00171	30128	Sr-90	0.005 U	0.04	0.012	0.485	1.00 - 3.00
5A-00171	30127	Sb-125	0.147 SK	0.034	0.012	0.354	0.00 - 0.50
5A-00171	30128	Sb-125	0.138 SK	0.044	0.013	0.354	1.00 - 3.00
5A-00171	30127	Eu-155	0.086 SK	0.032	0.014	0.231	0.00 - 0.50
5A-00171	30128	Eu-155	0.097 SK	0.033	0.014	0.231	1.00 - 3.00
5A-00171	30127	Ac-227	0.078	0.085	0.019	0.217	0.00 - 0.50
5A-00171	30128	Ac-227	0.053 U	0.11	0.033	0.217	1.00 - 3.00
5A-00171	30127	Cs-137	0.0139	0.013	0.0041	0.207	0.00 - 0.50
5A-00171	30128	Cs-137	0.0076 U	0.017	0.0064	0.207	1.00 - 3.00
5A-00171	30127	U-235/236	0.0323	0.0079	0.0062	0.151	0.00 - 0.50
5A-00171	30128	U-235/236	0.0306	0.0021	0.005	0.151	1.00 - 3.00
5A-00171	30127	Eu-154	-0.043 U	0.083	0.025	0.15	0.00 - 0.50
5A-00171	30128	Eu-154	-0.051 U	0.1	0.031	0.15	1.00 - 3.00
5A-00171	30127	Th-229	0.0056	0.0068	0.0026	0.145	0.00 - 0.50
5A-00171	30128	Th-229	0.0027 U	0.016	0.0042	0.145	1.00 - 3.00
5A-00171	30127	Np-239	0.037 K R	0.075	0.023	0.139	0.00 - 0.50
5A-00171	30128	Np-239	-0.012 U	0.088	0.026	0.139	1.00 - 3.00
5A-00171	30127	Cs-134	0.0121 U	0.039	0.0034	0.0864	0.00 - 0.50
5A-00171	30128	Cs-134	-0.0003 U	0.016	0.0007	0.0864	1.00 - 3.00
5A-00171	30127	Te-125m	0.0341 SK	0.0079	0.0028	0.0838	0.00 - 0.50
5A-00171	30128	Te-125m	0.0318 SK	0.01	0.0029	0.0838	1.00 - 3.00
5A-00171	30127	Eu-152	-0.0134 U	0.029	0.0088	0.0566	0.00 - 0.50
5A-00171	30128	Eu-152	0.003 U	0.039	0.012	0.0566	1.00 - 3.00
5A-00171	30127	Np-236	0.0043 U	0.027	0.0081	0.047	0.00 - 0.50
5A-00171	30128	Np-236	0.0066 U	0.029	0.0087	0.047	1.00 - 3.00
5A-00171	30127	Am-241	0.0008 U	0.0082	0.002	0.0454	0.00 - 0.50
5A-00171	30128	Am-241	0.0009 U	0.0025	0.0009	0.0454	1.00 - 3.00
5A-00171	30127	Cm-243/244	0.0008 U	0.0021	0.0008	0.0443	0.00 - 0.50
5A-00171	30128	Cm-243/244	-0.0019 U	0.0088	0.0013	0.0443	1.00 - 3.00
5A-00171	30127	Ho-166m	0.0062 U J	0.021	0.0042	0.0432	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00171	30128	Ho-166m	0.0065 U	0.025	0.0067	0.0432	1.00 - 3.00
5A-00171	30127	Pu-238	0.0005 U	0.007	0.0016	0.0415	0.00 - 0.50
5A-00171	30128	Pu-238	0.001 U	0.0068	0.0017	0.0415	1.00 - 3.00
5A-00171	30127	Pu-239/240	0.0018	0.0045	0.0014	0.0404	0.00 - 0.50
5A-00171	30128	Pu-239/240	0.0012 U	0.0049	0.0013	0.0404	1.00 - 3.00
5A-00171	30127	Cm-245/246	0.0021 U	0.0028	0.0015	0.0401	0.00 - 0.50
5A-00171	30128	Cm-245/246	0.0009 U	0.0067	0.0016	0.0401	1.00 - 3.00
5A-00171	30127	Na-22	0.0042 U	0.019	0.0058	0.037	0.00 - 0.50
5A-00171	30128	Na-22	0.0008 U	0.023	0.0068	0.037	1.00 - 3.00
5A-00171	30127	Pu-244	0.0015	0.002	0.0011	0.0313	0.00 - 0.50
5A-00171	30128	Pu-244	0.0016	0.0022	0.0012	0.0313	1.00 - 3.00
5A-00171	30127	Cm-247/248	-0.001 U	0.0075	0.001	0.0306	0.00 - 0.50
5A-00171	30128	Cm-247/248	0.0027 U	0.0083	0.0024	0.0306	1.00 - 3.00
5A-00171	30127	Co-60	0.0001 U	0.015	0.0001	0.028	0.00 - 0.50
5A-00171	30128	Co-60	0.001 U	0.021	0.0051	0.028	1.00 - 3.00
5A-00171	30127	Sn-126	-0.0027 U	0.013	0.0039	0.0237	0.00 - 0.50
5A-00171	30128	Sn-126	0.0036 U	0.017	0.0051	0.0237	1.00 - 3.00
5A-00171	30127	Nb-94	0.0032 U	0.011	0.0034	0.0214	0.00 - 0.50
5A-00171	30128	Nb-94	0.0049 U	0.015	0.0045	0.0214	1.00 - 3.00
5A-00172	30129	Cd-113m	-44.6 U	125	43.5	3030	0.00 - 0.50
5A-00172	30130	Cd-113m	12 U	40	12	3030	1.00 - 5.00
5A-00172	30129	Tm-171	-6.6 U	18	6.3	72.4	0.00 - 0.50
5A-00172	30130	Tm-171	-2.9 U	6.2	1.9	72.4	1.00 - 5.00
5A-00172	30129	K-40	20.9	0.128	1.29	32.4	0.00 - 0.50
5A-00172	30130	K-40	21.3	0.2	1	32.4	1.00 - 5.00
5A-00172	30129	Ni-59	-3.78 UJ	3.26	1.39	8.39	0.00 - 0.50
5A-00172	30130	Ni-59	0 U	0.16	0.042	8.39	1.00 - 5.00
5A-00172	30129	Ni-63	0.104 U	1.11	0.333	4.92	0.00 - 0.50
5A-00172	30130	Ni-63	0.08 U	0.68	0.2	4.92	1.00 - 5.00
5A-00172	30129	Th-228	1.08	0.0936	0.124	3.98	0.00 - 0.50
5A-00172	30130	Th-228	1.47	0.025	0.075	3.98	1.00 - 5.00
5A-00172	30129	Th-234	1.46 J	0.298	0.154	3.19	0.00 - 0.50
5A-00172	30130	Th-234	0.469 R	0.17	0.058	3.19	1.00 - 5.00
5A-00172	30129	Th-232	0.727	0.0205	0.0858	3.1	0.00 - 0.50
5A-00172	30130	Th-232	1.35	0.003	0.07	3.1	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00172	30129	C-14	-0.385 U	0.926	0.273	2.96	0.00 - 0.50
5A-00172	30130	C-14	0.0146	0.027	0.0082	2.96	1.00 - 5.00
5A-00172	30129	Pb-212	1.83	0.0411	0.113	2.69	0.00 - 0.50
5A-00172	30130	Pb-212	1.53	0.027	0.076	2.69	1.00 - 5.00
5A-00172	30129	Th-230	0.54	0.0206	0.0716	2.2	0.00 - 0.50
5A-00172	30130	Th-230	1.07	0.009	0.057	2.2	1.00 - 5.00
5A-00172	30129	Bi-212	1.07	0.15	0.0856	2.15	0.00 - 0.50
5A-00172	30130	Bi-212	1.06	0.14	0.095	2.15	1.00 - 5.00
5A-00172	30129	U-233/234	0.492	0.0165	0.0659	2.02	0.00 - 0.50
5A-00172	30130	U-233/234	0.963	0.009	0.053	2.02	1.00 - 5.00
5A-00172	30129	U-238	0.479	0.0481	0.0654	1.8	0.00 - 0.50
5A-00172	30130	U-238	1	0.011	0.055	1.8	1.00 - 5.00
5A-00172	30129	Pb-214	1.12	0.0313	0.054	1.7	0.00 - 0.50
5A-00172	30130	Pb-214	0.953	0.027	0.055	1.7	1.00 - 5.00
5A-00172	30129	Tc-99	-0.387 U	1.33	0.38	1.63	0.00 - 0.50
5A-00172	30130	Tc-99	-0.027 U	0.27	0.082	1.63	1.00 - 5.00
5A-00172	30129	Bi-214	0.974	0.0257	0.0457	1.59	0.00 - 0.50
5A-00172	30130	Bi-214	0.891	0.029	0.048	1.59	1.00 - 5.00
5A-00172	30129	Tl-208	0.535	0.0194	0.0305	0.937	0.00 - 0.50
5A-00172	30130	Tl-208	0.524	0.017	0.028	0.937	1.00 - 5.00
5A-00172	30129	Pa-231	0.0862 U	0.769	0.245	0.936	0.00 - 0.50
5A-00172	30130	Pa-231	0.03 U	0.59	0.18	0.936	1.00 - 5.00
5A-00172	30129	Sr-90	-0.001 U	0.115	0.0304	0.485	0.00 - 0.50
5A-00172	30130	Sr-90	0.015 U	0.037	0.011	0.485	1.00 - 5.00
5A-00172	30129	Sb-125	0.0109 U	0.0484	0.0143	0.354	0.00 - 0.50
5A-00172	30130	Sb-125	0.142 SK	0.04	0.013	0.354	1.00 - 5.00
5A-00172	30129	Eu-155	0.078 JS	0.0732	0.0279	0.231	0.00 - 0.50
5A-00172	30130	Eu-155	0.081 SK	0.034	0.014	0.231	1.00 - 5.00
5A-00172	30129	Ac-227	-0.0026 U	0.189	0.0579	0.217	0.00 - 0.50
5A-00172	30130	Ac-227	0.034 U	0.14	0.062	0.217	1.00 - 5.00
5A-00172	30129	Cs-137	0.0382	0.0168	0.0068	0.207	0.00 - 0.50
5A-00172	30130	Cs-137	-0.0005 U	0.016	0.0046	0.207	1.00 - 5.00
5A-00172	30129	U-235/236	0.0377	0.0204	0.0171	0.151	0.00 - 0.50
5A-00172	30130	U-235/236	0.0514	0.011	0.0093	0.151	1.00 - 5.00
5A-00172	30129	Eu-154	0.032 U	0.0915	0.0272	0.15	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00172	30130	Eu-154	0.0054 U	0.082	0.0092	0.15	1.00 - 5.00
5A-00172	30129	Th-229	0.0076	0.0206	0.0076	0.145	0.00 - 0.50
5A-00172	30130	Th-229	0.008	0.0093	0.0035	0.145	1.00 - 5.00
5A-00172	30129	Np-239	0.0027 U	0.126	0.0385	0.139	0.00 - 0.50
5A-00172	30130	Np-239	-0.0001 U	0.08	0.024	0.139	1.00 - 5.00
5A-00172	30129	Cs-134	0.0062 U	0.0167	0.0058	0.0864	0.00 - 0.50
5A-00172	30130	Cs-134	-0.0008 U	0.05	0.015	0.0864	1.00 - 5.00
5A-00172	30130	Te-125m	0.0328 SK	0.0093	0.003	0.0838	1.00 - 5.00
5A-00172	30129	Eu-152	-0.0287 U	0.0461	0.0182	0.0566	0.00 - 0.50
5A-00172	30130	Eu-152	-0.016 U	0.039	0.012	0.0566	1.00 - 5.00
5A-00172	30129	Np-236	-0.0027 U	0.0365	0.0118	0.047	0.00 - 0.50
5A-00172	30130	Np-236	-0.0022 U	0.032	0.0097	0.047	1.00 - 5.00
5A-00172	30129	Am-241	0.0129	0.0058	0.0053	0.0454	0.00 - 0.50
5A-00172	30130	Am-241	0.002 U	0.0072	0.002	0.0454	1.00 - 5.00
5A-00172	30129	Cm-243/244	0.0028 U	0.0141	0.0035	0.0443	0.00 - 0.50
5A-00172	30130	Cm-243/244	0.001 U	0.0027	0.001	0.0443	1.00 - 5.00
5A-00172	30129	Ho-166m	0.0111 U	0.0233	0.0073	0.0432	0.00 - 0.50
5A-00172	30130	Ho-166m	0.0296 SK	0.025	0.0042	0.0432	1.00 - 5.00
5A-00172	30129	Pu-238	0.0008 U	0.0184	0.0036	0.0415	0.00 - 0.50
5A-00172	30130	Pu-238	0.0009 U	0.0023	0.0009	0.0415	1.00 - 5.00
5A-00172	30129	Pu-239/240	-0.0087 U	0.0356	0.0068	0.0404	0.00 - 0.50
5A-00172	30130	Pu-239/240	0.0017	0.0023	0.0012	0.0404	1.00 - 5.00
5A-00172	30130	Cm-245/246	-0.001 U	0.01	0.001	0.0401	1.00 - 5.00
5A-00172	30129	Na-22	0.0011 UJ	0.0218	0.0064	0.037	0.00 - 0.50
5A-00172	30130	Na-22	-0.0037 U	0.024	0.0073	0.037	1.00 - 5.00
5A-00172	30129	Pu-244	0	0.0078	0.0029	0.0313	0.00 - 0.50
5A-00172	30130	Pu-244	0 U	0.0023	0.0005	0.0313	1.00 - 5.00
5A-00172	30130	Cm-247/248	0 U	0.0046	0.001	0.0306	1.00 - 5.00
5A-00172	30129	Co-60	-0.0075 U	0.0172	0.0055	0.028	0.00 - 0.50
5A-00172	30130	Co-60	0.001 U	0.018	0.0053	0.028	1.00 - 5.00
5A-00172	30129	Sn-126	-0.002 U	0.0146	0.0044	0.0237	0.00 - 0.50
5A-00172	30130	Sn-126	0.0013 U	0.017	0.005	0.0237	1.00 - 5.00
5A-00172	30129	Nb-94	0.0122 JS	0.0138	0.0049	0.0214	0.00 - 0.50
5A-00172	30130	Nb-94	0.0173 SK	0.011	0.0052	0.0214	1.00 - 5.00
5A-00173	30131	Cd-113m	-39.9 U	118	38.7	3030	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00173	30131	Tm-171	-5.99 U	13.1	4.86	72.4	0.00 - 0.50
5A-00173	30131	K-40	22.2	0.113	1.32	32.4	0.00 - 0.50
5A-00173	30131	Ni-59	-3.12 UJ	3.07	1.25	8.39	0.00 - 0.50
5A-00173	30131	Ni-63	-0.0902 U	1.37	0.41	4.92	0.00 - 0.50
5A-00173	30131	Th-228	1.68	0.0887	0.162	3.98	0.00 - 0.50
5A-00173	30131	Th-234	1.29 J	0.251	0.12	3.19	0.00 - 0.50
5A-00173	30131	Th-232	1.11	0.0195	0.111	3.1	0.00 - 0.50
5A-00173	30131	C-14	-0.547 U	0.936	0.275	2.96	0.00 - 0.50
5A-00173	30131	Pb-212	1.68	0.0383	0.103	2.69	0.00 - 0.50
5A-00173	30131	Th-230	0.98	0.0669	0.103	2.2	0.00 - 0.50
5A-00173	30131	Bi-212	1.03	0.148	0.09	2.15	0.00 - 0.50
5A-00173	30131	U-233/234	0.924	0.0169	0.103	2.02	0.00 - 0.50
5A-00173	30131	U-238	1.19	0.0398	0.124	1.8	0.00 - 0.50
5A-00173	30131	Pb-214	1.13	0.0303	0.0547	1.7	0.00 - 0.50
5A-00173	30131	Tc-99	-0.581 U	1.25	0.352	1.63	0.00 - 0.50
5A-00173	30131	Bi-214	1.02	0.0255	0.0473	1.59	0.00 - 0.50
5A-00173	30131	Tl-208	0.526	0.018	0.0304	0.937	0.00 - 0.50
5A-00173	30131	Pa-231	0.15 U	0.725	0.23	0.936	0.00 - 0.50
5A-00173	30131	Sr-90	0.0267 U	0.131	0.0369	0.485	0.00 - 0.50
5A-00173	30131	Sb-125	0.0093 U	0.0466	0.0137	0.354	0.00 - 0.50
5A-00173	30131	Eu-155	0.0965 JS	0.0657	0.0286	0.231	0.00 - 0.50
5A-00173	30131	Ac-227	-0.0221 U	0.175	0.0535	0.217	0.00 - 0.50
5A-00173	30131	Cs-137	0.0784	0.017	0.0085	0.207	0.00 - 0.50
5A-00173	30131	U-235/236	0.0386	0.0209	0.0175	0.151	0.00 - 0.50
5A-00173	30131	Eu-154	-0.011 U	0.088	0.0303	0.15	0.00 - 0.50
5A-00173	30131	Th-229	0.0072 U	0.0947	0.024	0.145	0.00 - 0.50
5A-00173	30131	Np-239	-0.0174 U	0.116	0.0354	0.139	0.00 - 0.50
5A-00173	30131	Cs-134	0.0043 U	0.0165	0.0057	0.0864	0.00 - 0.50
5A-00173	30131	Eu-152	-0.0119 U	0.0435	0.0158	0.0566	0.00 - 0.50
5A-00173	30131	Np-236	-0.0096 U	0.0325	0.0102	0.047	0.00 - 0.50
5A-00173	30131	Am-241	0.0047 U	0.0255	0.0069	0.0454	0.00 - 0.50
5A-00173	30131	Cm-243/244	0.0046 U	0.0209	0.0056	0.0443	0.00 - 0.50
5A-00173	30131	Ho-166m	0.0048 U	0.0236	0.0071	0.0432	0.00 - 0.50
5A-00173	30131	Pu-238	0.003 U	0.0149	0.0037	0.0415	0.00 - 0.50
5A-00173	30131	Pu-239/240	0.0083	0.0183	0.0057	0.0404	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00173	30131	Na-22	-0.0163 UJ	0.0214	0.0088	0.037	0.00 - 0.50
5A-00173	30131	Pu-244	0.0023	0.0063	0.0023	0.0313	0.00 - 0.50
5A-00173	30131	Co-60	0.0027 U	0.0171	0.005	0.028	0.00 - 0.50
5A-00173	30131	Sn-126	-0.0037 U	0.0146	0.0045	0.0237	0.00 - 0.50
5A-00173	30131	Nb-94	0.0085 JS	0.0137	0.0045	0.0214	0.00 - 0.50
5A-00174	30133	Cd-113m	-109 UJ	126	49.3	3030	0.00 - 0.50
5A-00174	30134	Cd-113m	0.2 U	38	11	3030	1.00 - 3.50
5A-00174	30133	Tm-171	-14.3 U	23	8.47	72.4	0.00 - 0.50
5A-00174	30134	Tm-171	-1.5 U	5.8	1.8	72.4	1.00 - 3.50
5A-00174	30133	K-40	20.1	0.121	1.27	32.4	0.00 - 0.50
5A-00174	30134	K-40	20.6	0.1	1	32.4	1.00 - 3.50
5A-00174	30133	Ni-59	-0.931 U	3.17	0.922	8.39	0.00 - 0.50
5A-00174	30134	Ni-59	0 U	0.18	0.047	8.39	1.00 - 3.50
5A-00174	30133	Ni-63	0.725	1.09	0.341	4.92	0.00 - 0.50
5A-00174	30134	Ni-63	-0.24 U	0.73	0.21	4.92	1.00 - 3.50
5A-00174	30133	Th-228	0.728	0.158	0.102	3.98	0.00 - 0.50
5A-00174	30134	Th-228	1.42	0.014	0.071	3.98	1.00 - 3.50
5A-00174	30133	Th-234	1.23 J	0.308	0.153	3.19	0.00 - 0.50
5A-00174	30134	Th-234	1.64 R	0.15	0.11	3.19	1.00 - 3.50
5A-00174	30133	Th-232	0.64	0.0661	0.0787	3.1	0.00 - 0.50
5A-00174	30134	Th-232	1.33	0.003	0.067	3.1	1.00 - 3.50
5A-00174	30133	C-14	-0.25 U	0.897	0.266	2.96	0.00 - 0.50
5A-00174	30134	C-14	0.0163	0.028	0.0087	2.96	1.00 - 3.50
5A-00174	30133	Pb-212	1.49	0.0416	0.1	2.69	0.00 - 0.50
5A-00174	30134	Pb-212	1.6	0.023	0.09	2.69	1.00 - 3.50
5A-00174	30133	Th-230	0.599	0.0663	0.0757	2.2	0.00 - 0.50
5A-00174	30134	Th-230	1.07	0.008	0.056	2.2	1.00 - 3.50
5A-00174	30133	Bi-212	0.918 J	0.231	0.227	2.15	0.00 - 0.50
5A-00174	30134	Bi-212	1.05	0.12	0.081	2.15	1.00 - 3.50
5A-00174	30133	U-233/234	0.419	0.0436	0.0626	2.02	0.00 - 0.50
5A-00174	30134	U-233/234	0.453	0.006	0.026	2.02	1.00 - 3.50
5A-00174	30133	U-238	0.419	0.0436	0.0626	1.8	0.00 - 0.50
5A-00174	30134	U-238	0.432	0.005	0.025	1.8	1.00 - 3.50
5A-00174	30133	Pb-214	0.875	0.0315	0.0464	1.7	0.00 - 0.50
5A-00174	30134	Pb-214	0.917	0.024	0.047	1.7	1.00 - 3.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00174	30133	Tc-99	-0.364 U	1.55	0.449	1.63	0.00 - 0.50
5A-00174	30134	Tc-99	-0.007 U	0.28	0.083	1.63	1.00 - 3.50
5A-00174	30133	Bi-214	0.78	0.0272	0.0381	1.59	0.00 - 0.50
5A-00174	30134	Bi-214	0.824	0.023	0.043	1.59	1.00 - 3.50
5A-00174	30133	Tl-208	0.472	0.0192	0.0273	0.937	0.00 - 0.50
5A-00174	30134	Tl-208	0.498	0.018	0.027	0.937	1.00 - 3.50
5A-00174	30133	Pa-231	-0.139 U	0.791	0.235	0.936	0.00 - 0.50
5A-00174	30134	Pa-231	0.06 U	0.59	0.18	0.936	1.00 - 3.50
5A-00174	30133	Sr-90	0.0205 U	0.133	0.037	0.485	0.00 - 0.50
5A-00174	30134	Sr-90	0.003 U	0.038	0.011	0.485	1.00 - 3.50
5A-00174	30133	Sb-125	-0.0025 U	0.0493	0.0148	0.354	0.00 - 0.50
5A-00174	30134	Sb-125	0.114 SK	0.038	0.0099	0.354	1.00 - 3.50
5A-00174	30133	Eu-155	0.0373 U	0.0789	0.0248	0.231	0.00 - 0.50
5A-00174	30134	Eu-155	0.062 SK	0.031	0.012	0.231	1.00 - 3.50
5A-00174	30133	Ac-227	-0.119 U	0.189	0.0659	0.217	0.00 - 0.50
5A-00174	30134	Ac-227	0.018 U	0.14	0.043	0.217	1.00 - 3.50
5A-00174	30133	Cs-137	0.0068 U	0.0163	0.0049	0.207	0.00 - 0.50
5A-00174	30134	Cs-137	-0.0065 U	0.016	0.0049	0.207	1.00 - 3.50
5A-00174	30133	U-235/236	0.0108 UJ	0.0538	0.0134	0.151	0.00 - 0.50
5A-00174	30134	U-235/236	0.022	0.0022	0.0043	0.151	1.00 - 3.50
5A-00174	30133	Eu-154	-0.0345 U	0.0979	0.0311	0.15	0.00 - 0.50
5A-00174	30134	Eu-154	-0.021 U	0.098	0.03	0.15	1.00 - 3.50
5A-00174	30133	Th-229	0 U	0.0859	0.0202	0.145	0.00 - 0.50
5A-00174	30134	Th-229	0.0056	0.0082	0.003	0.145	1.00 - 3.50
5A-00174	30133	Np-239	-0.0085 U	0.124	0.0381	0.139	0.00 - 0.50
5A-00174	30134	Np-239	-0.022 U	0.086	0.026	0.139	1.00 - 3.50
5A-00174	30133	Cs-134	0.003 U	0.0177	0.0059	0.0864	0.00 - 0.50
5A-00174	30134	Cs-134	0.0093 U	0.051	0.0026	0.0864	1.00 - 3.50
5A-00174	30134	Te-125m	0.0263 SK	0.0088	0.0023	0.0838	1.00 - 3.50
5A-00174	30133	Eu-152	-0.0067 U	0.0462	0.0152	0.0566	0.00 - 0.50
5A-00174	30134	Eu-152	-0.018 U	0.036	0.011	0.0566	1.00 - 3.50
5A-00174	30133	Np-236	0 U	0.0375	0.0111	0.047	0.00 - 0.50
5A-00174	30134	Np-236	0.0035 U	0.031	0.0092	0.047	1.00 - 3.50
5A-00174	30133	Am-241	0.0119 U	0.0295	0.0089	0.0454	0.00 - 0.50
5A-00174	30134	Am-241	-0.0028 U	0.011	0.0021	0.0454	1.00 - 3.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00174	30133	Cm-243/244	0.0139	0.0076	0.0063	0.0443	0.00 - 0.50
5A-00174	30134	Cm-243/244	0.0009 U	0.0086	0.0021	0.0443	1.00 - 3.50
5A-00174	30133	Ho-166m	-0.0045 U	0.025	0.0075	0.0432	0.00 - 0.50
5A-00174	30134	Ho-166m	0.0093 U	0.024	0.0095	0.0432	1.00 - 3.50
5A-00174	30133	Pu-238	-0.0036 U	0.0198	0.0036	0.0415	0.00 - 0.50
5A-00174	30134	Pu-238	0.0003 U	0.005	0.001	0.0415	1.00 - 3.50
5A-00174	30133	Pu-239/240	0.0046 U	0.0226	0.0059	0.0404	0.00 - 0.50
5A-00174	30134	Pu-239/240	0.0008 U	0.0023	0.0008	0.0404	1.00 - 3.50
5A-00174	30134	Cm-245/246	0.0011 U	0.0078	0.0018	0.0401	1.00 - 3.50
5A-00174	30133	Na-22	-0.0081 UJ	0.0242	0.0075	0.037	0.00 - 0.50
5A-00174	30134	Na-22	-0.0084 U	0.024	0.0072	0.037	1.00 - 3.50
5A-00174	30133	Pu-244	0.0003 U	0.0251	0.0056	0.0313	0.00 - 0.50
5A-00174	30134	Pu-244	0.0008 U	0.0023	0.0008	0.0313	1.00 - 3.50
5A-00174	30134	Cm-247/248	0.0021 U	0.0028	0.0015	0.0306	1.00 - 3.50
5A-00174	30133	Co-60	0.0035 U	0.019	0.0056	0.028	0.00 - 0.50
5A-00174	30134	Co-60	-0.0038 U	0.02	0.0059	0.028	1.00 - 3.50
5A-00174	30133	Sn-126	0.0005 U	0.0158	0.0046	0.0237	0.00 - 0.50
5A-00174	30134	Sn-126	0.0187	0.013	0.0065	0.0237	1.00 - 3.50
5A-00174	30133	Nb-94	0.0021 U	0.0145	0.0042	0.0214	0.00 - 0.50
5A-00174	30134	Nb-94	0.0044 U	0.014	0.0031	0.0214	1.00 - 3.50
5A-00175	30209	Cd-113m	24.7 U J	84.2	26.2	3030	0.00 - 0.50
5A-00175	30209	Tm-171	-3.17 U	8.57	2.97	72.4	0.00 - 0.50
5A-00175	30209	K-40	23.4	0.0935	1.26	32.4	0.00 - 0.50
5A-00175	30209	Th-228	0.978	0.088	0.108	3.98	0.00 - 0.50
5A-00175	30209	Th-234	0.876	0.181	0.0887	3.19	0.00 - 0.50
5A-00175	30209	Th-232	0.805	0.0603	0.0869	3.1	0.00 - 0.50
5A-00175	30209	Pb-212	1.26	0.0244	0.0719	2.69	0.00 - 0.50
5A-00175	30209	Th-230	0.43	0.0701	0.0605	2.2	0.00 - 0.50
5A-00175	30209	Bi-212	0.828	0.112	0.0654	2.15	0.00 - 0.50
5A-00175	30209	U-233/234	0.553	0.0131	0.0654	2.02	0.00 - 0.50
5A-00175	30209	U-238	0.448	0.0382	0.0573	1.8	0.00 - 0.50
5A-00175	30209	Pb-214	0.665	0.0225	0.0321	1.7	0.00 - 0.50
5A-00175	30209	Bi-214	0.615	0.0203	0.0298	1.59	0.00 - 0.50
5A-00175	30209	Tl-208	0.375	0.0136	0.0216	0.937	0.00 - 0.50
5A-00175	30209	Pa-231	-0.0918 U	0.513	0.16	0.936	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00175	30209	Sr-90	-0.022 U K	0.14	0.0362	0.485	0.00 - 0.50
5A-00175	30209	Sb-125	0.0135 U	0.0339	0.0106	0.354	0.00 - 0.50
5A-00175	30209	Eu-155	0.0456 SK	0.044	0.017	0.231	0.00 - 0.50
5A-00175	30209	Ac-227	-0.0297 U	0.124	0.0374	0.217	0.00 - 0.50
5A-00175	30209	Cs-137	0.0211	0.0121	0.0052	0.207	0.00 - 0.50
5A-00175	30209	U-235/236	0.0436	0.0381	0.0178	0.151	0.00 - 0.50
5A-00175	30209	Eu-154	-0.004 U	0.0787	0.0229	0.15	0.00 - 0.50
5A-00175	30209	Th-229	0.013 U	0.048	0.0131	0.145	0.00 - 0.50
5A-00175	30209	Np-239	-0.0251 U	0.0818	0.0249	0.139	0.00 - 0.50
5A-00175	30209	Cs-134	-0.0032 U	0.0117	0.0041	0.0864	0.00 - 0.50
5A-00175	30209	Eu-152	-0.0065 U	0.0321	0.0102	0.0566	0.00 - 0.50
5A-00175	30209	Np-236	-0.0097 U	0.0229	0.0074	0.047	0.00 - 0.50
5A-00175	30209	Am-241	0.0061	0.0113	0.0038	0.0454	0.00 - 0.50
5A-00175	30209	Pu-236	0.0028 U	0.013	0.0034	0.0448	0.00 - 0.50
5A-00175	30209	Cm-243/244	-0.0016 U	0.0248	0.0061	0.0443	0.00 - 0.50
5A-00175	30209	Ho-166m	-0.0041 U	0.0187	0.0057	0.0432	0.00 - 0.50
5A-00175	30209	Pu-238	0.0049 U	0.0146	0.0042	0.0415	0.00 - 0.50
5A-00175	30209	Pu-239/240	0.0012 U	0.0131	0.0032	0.0404	0.00 - 0.50
5A-00175	30209	Na-22	-0.0047 U	0.0179	0.0055	0.037	0.00 - 0.50
5A-00175	30209	Pu-244	0.0085	0.0089	0.0037	0.0313	0.00 - 0.50
5A-00175	30209	Co-60	0.0033 U	0.0136	0.004	0.028	0.00 - 0.50
5A-00175	30209	Sn-126	-0.0037 U	0.012	0.0037	0.0237	0.00 - 0.50
5A-00175	30209	Nb-94	0.0072 JSK	0.0113	0.0037	0.0214	0.00 - 0.50
5A-00176	30210	Cd-113m	-4.24 U	86.7	26.9	3030	0.00 - 0.50
5A-00176	30210	Tm-171	-0.394 U	5.47	1.76	72.4	0.00 - 0.50
5A-00176	30210	K-40	21.2	0.117	1.15	32.4	0.00 - 0.50
5A-00176	30210	Th-228	1.37	0.0499	0.124	3.98	0.00 - 0.50
5A-00176	30210	Th-234	1.01	0.151	0.0835	3.19	0.00 - 0.50
5A-00176	30210	Th-232	1.17	0.0405	0.104	3.1	0.00 - 0.50
5A-00176	30210	Pb-212	1.23	0.0263	0.0686	2.69	0.00 - 0.50
5A-00176	30210	Th-230	0.502	0.0406	0.0602	2.2	0.00 - 0.50
5A-00176	30210	Bi-212	0.845	0.133	0.0722	2.15	0.00 - 0.50
5A-00176	30210	U-233/234	0.539	0.0372	0.0607	2.02	0.00 - 0.50
5A-00176	30210	U-238	0.58	0.0372	0.064	1.8	0.00 - 0.50
5A-00176	30210	Pb-214	0.717	0.0238	0.0335	1.7	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00176	30210	Bi-214	0.649	0.024	0.0326	1.59	0.00 - 0.50
5A-00176	30210	Tl-208	0.402	0.0159	0.0233	0.937	0.00 - 0.50
5A-00176	30210	Pa-231	0.0061 U	0.551	0.171	0.936	0.00 - 0.50
5A-00176	30210	Sr-90	0.0483 U K	0.148	0.0439	0.485	0.00 - 0.50
5A-00176	30210	Sb-125	0.0036 U	0.0375	0.0111	0.354	0.00 - 0.50
5A-00176	30210	Eu-155	0.0579 SK	0.0393	0.0161	0.231	0.00 - 0.50
5A-00176	30210	Ac-227	0.0536 U	0.129	0.0414	0.217	0.00 - 0.50
5A-00176	30210	Cs-137	0.0254	0.0163	0.0063	0.207	0.00 - 0.50
5A-00176	30210	U-235/236	0.0099 U	0.0533	0.014	0.151	0.00 - 0.50
5A-00176	30210	Eu-154	0.0596 J	0.0927	0.0333	0.15	0.00 - 0.50
5A-00176	30210	Th-229	0.0055 U	0.0781	0.02	0.145	0.00 - 0.50
5A-00176	30210	Np-239	-0.0307 U	0.0824	0.0266	0.139	0.00 - 0.50
5A-00176	30210	Cs-134	-0.0006 U	0.014	0.0049	0.0864	0.00 - 0.50
5A-00176	30210	Eu-152	0.0021 U	0.0348	0.0102	0.0566	0.00 - 0.50
5A-00176	30210	Np-236	-0.0076 U	0.0204	0.0063	0.047	0.00 - 0.50
5A-00176	30210	Am-241	-0.0044 U	0.0261	0.0043	0.0454	0.00 - 0.50
5A-00176	30210	Pu-236	0.015 U	0.0436	0.0128	0.0448	0.00 - 0.50
5A-00176	30210	Cm-243/244	0.0044 U	0.0163	0.0044	0.0443	0.00 - 0.50
5A-00176	30210	Ho-166m	-0.0059 U	0.0222	0.0067	0.0432	0.00 - 0.50
5A-00176	30210	Pu-238	0.0152 U	0.0436	0.0128	0.0415	0.00 - 0.50
5A-00176	30210	Pu-239/240	-0.0065 U	0.0283	0.0057	0.0404	0.00 - 0.50
5A-00176	30210	Na-22	0.0029 U	0.0218	0.0063	0.037	0.00 - 0.50
5A-00176	30210	Pu-244	0.0043	0.0058	0.0031	0.0313	0.00 - 0.50
5A-00176	30210	Co-60	-0.009 U	0.0163	0.0053	0.028	0.00 - 0.50
5A-00176	30210	Sn-126	-0.005 U	0.0143	0.0044	0.0237	0.00 - 0.50
5A-00176	30210	Nb-94	-0.0049 U	0.0129	0.004	0.0214	0.00 - 0.50
5A-00178	30212	Cd-113m	24.7 U	89.8	28.7	3030	0.00 - 0.50
5A-00178	30212	Tm-171	-8.6 U J	11.1	4.27	72.4	0.00 - 0.50
5A-00178	30212	K-40	22	0.0864	1.27	32.4	0.00 - 0.50
5A-00178	30212	Th-228	1.2	0.0519	0.115	3.98	0.00 - 0.50
5A-00178	30212	Th-234	1.06	0.203	0.11	3.19	0.00 - 0.50
5A-00178	30212	Th-232	0.806	0.0531	0.0825	3.1	0.00 - 0.50
5A-00178	30212	Pb-212	1.3	0.0263	0.0784	2.69	0.00 - 0.50
5A-00178	30212	Th-230	0.917	0.0155	0.0891	2.2	0.00 - 0.50
5A-00178	30212	Bi-212	0.773	0.108	0.0689	2.15	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00178	30212	U-233/234	0.822	0.0522	0.0828	2.02	0.00 - 0.50
5A-00178	30212	U-238	0.82	0.0429	0.0823	1.8	0.00 - 0.50
5A-00178	30212	Pb-214	0.758	0.0234	0.0368	1.7	0.00 - 0.50
5A-00178	30212	Bi-214	0.691	0.02	0.0331	1.59	0.00 - 0.50
5A-00178	30212	Tl-208	0.413	0.0135	0.0228	0.937	0.00 - 0.50
5A-00178	30212	Pa-231	-0.35 U	0.544	0.195	0.936	0.00 - 0.50
5A-00178	30212	Sr-90	-0.0072 U K	0.174	0.0484	0.485	0.00 - 0.50
5A-00178	30212	Sb-125	-0.0195 U	0.0329	0.0108	0.354	0.00 - 0.50
5A-00178	30212	Eu-155	0.036 JSK	0.0515	0.0184	0.231	0.00 - 0.50
5A-00178	30212	Ac-227	0.0324 U	0.137	0.0421	0.217	0.00 - 0.50
5A-00178	30212	Cs-137	0.008	0.0112	0.0045	0.207	0.00 - 0.50
5A-00178	30212	U-235/236	0.0197	0.0362	0.0121	0.151	0.00 - 0.50
5A-00178	30212	Eu-154	0.0057 U	0.0732	0.0221	0.15	0.00 - 0.50
5A-00178	30212	Th-229	0.023 U	0.0619	0.0182	0.145	0.00 - 0.50
5A-00178	30212	Np-239	-0.0012 U	0.0901	0.0274	0.139	0.00 - 0.50
5A-00178	30212	Cs-134	-0.0043 U	0.0117	0.0042	0.0864	0.00 - 0.50
5A-00178	30212	Eu-152	-0.0013 U	0.0331	0.0163	0.0566	0.00 - 0.50
5A-00178	30212	Np-236	-0.0077 U	0.0259	0.008	0.047	0.00 - 0.50
5A-00178	30212	Am-241	0.0013 U	0.0205	0.0044	0.0454	0.00 - 0.50
5A-00178	30212	Pu-236	-0.0108 U	0.0451	0.0101	0.0448	0.00 - 0.50
5A-00178	30212	Cm-243/244	-0.0041 U	0.0209	0.0036	0.0443	0.00 - 0.50
5A-00178	30212	Ho-166m	0.0014 U	0.0185	0.0055	0.0432	0.00 - 0.50
5A-00178	30212	Pu-238	-0.0094 U	0.0425	0.0099	0.0415	0.00 - 0.50
5A-00178	30212	Pu-239/240	0.0117	0.0172	0.0062	0.0404	0.00 - 0.50
5A-00178	30212	Na-22	-0.0009 U	0.0168	0.0049	0.037	0.00 - 0.50
5A-00178	30212	Pu-244	0.007	0.0172	0.0052	0.0313	0.00 - 0.50
5A-00178	30212	Co-60	-0.0031 U	0.0131	0.004	0.028	0.00 - 0.50
5A-00178	30212	Sn-126	-0.0061 U	0.0115	0.0038	0.0237	0.00 - 0.50
5A-00178	30212	Nb-94	0.0019 U	0.0108	0.0032	0.0214	0.00 - 0.50
5A-00179	30213	Cd-113m	-27 U	93.9	30.2	3030	0.00 - 0.50
5A-00179	30213	Tm-171	-12.4 U J	10.1	4.88	72.4	0.00 - 0.50
5A-00179	30213	K-40	20.7	0.0897	1.26	32.4	0.00 - 0.50
5A-00179	30213	Th-228	1.39	0.114	0.13	3.98	0.00 - 0.50
5A-00179	30213	Th-234	1.12	0.206	0.118	3.19	0.00 - 0.50
5A-00179	30213	Th-232	1.13	0.0428	0.104	3.1	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00179	30213	Pb-212	1.32	0.0274	0.0806	2.69	0.00 - 0.50
5A-00179	30213	Th-230	0.874	0.0429	0.0874	2.2	0.00 - 0.50
5A-00179	30213	Bi-212	0.755	0.104	0.069	2.15	0.00 - 0.50
5A-00179	30213	U-233/234	0.825	0.0431	0.0864	2.02	0.00 - 0.50
5A-00179	30213	U-238	0.872	0.0608	0.0906	1.8	0.00 - 0.50
5A-00179	30213	Pb-214	0.754	0.024	0.0362	1.7	0.00 - 0.50
5A-00179	30213	Bi-214	0.677	0.0211	0.0321	1.59	0.00 - 0.50
5A-00179	30213	Tl-208	0.405	0.0134	0.0229	0.937	0.00 - 0.50
5A-00179	30213	Pa-231	0.113 U	0.576	0.181	0.936	0.00 - 0.50
5A-00179	30213	Sr-90	0.0209 U K	0.12	0.0337	0.485	0.00 - 0.50
5A-00179	30213	Sb-125	0.0271 JSK	0.0357	0.0122	0.354	0.00 - 0.50
5A-00179	30213	Eu-155	0.062 SK	0.05	0.0186	0.231	0.00 - 0.50
5A-00179	30213	Ac-227	0.0725 J	0.14	0.0443	0.217	0.00 - 0.50
5A-00179	30213	Cs-137	0.0251	0.013	0.0051	0.207	0.00 - 0.50
5A-00179	30213	U-235/236	0.0229	0.0532	0.0163	0.151	0.00 - 0.50
5A-00179	30213	Eu-154	-0.0302 U	0.0712	0.0225	0.15	0.00 - 0.50
5A-00179	30213	Th-229	-0.0058 U	0.0702	0.0155	0.145	0.00 - 0.50
5A-00179	30213	Np-239	-0.0226 U	0.0922	0.0278	0.139	0.00 - 0.50
5A-00179	30213	Cs-134	0.0023 U	0.0125	0.0044	0.0864	0.00 - 0.50
5A-00179	30213	Eu-152	-0.0163 U	0.0342	0.0142	0.0566	0.00 - 0.50
5A-00179	30213	Np-236	0.0103 U	0.0262	0.0086	0.047	0.00 - 0.50
5A-00179	30213	Am-241	0.0054 U	0.023	0.0061	0.0454	0.00 - 0.50
5A-00179	30213	Pu-236	0.0004 U	0.0301	0.0068	0.0448	0.00 - 0.50
5A-00179	30213	Cm-243/244	0.0028	0.0075	0.0028	0.0443	0.00 - 0.50
5A-00179	30213	Ho-166m	0.0006 U	0.0191	0.0058	0.0432	0.00 - 0.50
5A-00179	30213	Pu-238	0.0033 U	0.0166	0.0041	0.0415	0.00 - 0.50
5A-00179	30213	Pu-239/240	0.0033 U	0.0165	0.0041	0.0404	0.00 - 0.50
5A-00179	30213	Na-22	-0.0053 U	0.0166	0.0052	0.037	0.00 - 0.50
5A-00179	30213	Pu-244	0.0103	0.007	0.0052	0.0313	0.00 - 0.50
5A-00179	30213	Co-60	0.0062 U	0.0136	0.0042	0.028	0.00 - 0.50
5A-00179	30213	Sn-126	-0.0031 U	0.012	0.0037	0.0237	0.00 - 0.50
5A-00179	30213	Nb-94	-0.0004 U	0.0105	0.0032	0.0214	0.00 - 0.50
5A-00180	30214	Cd-113m	6 U	43	13	3030	0.00 - 0.50
5A-00180	30214	Cd-113m	6	43	13	3030	0.00 - 0.50
5A-00180	30215	Cd-113m	1 U	41	12	3030	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00180	30214	Tm-171	-1.6	6	1.8	72.4	0.00 - 0.50
5A-00180	30214	Tm-171	-1.6 U	6	1.8	72.4	0.00 - 0.50
5A-00180	30215	Tm-171	5.2	4.8	1.8	72.4	1.00 - 5.00
5A-00180	30214	K-40	19.5	0.16	0.97	32.4	0.00 - 0.50
5A-00180	30214	K-40	19.5	0.16	0.97	32.4	0.00 - 0.50
5A-00180	30215	K-40	18.2	0.15	0.9	32.4	1.00 - 5.00
5A-00180	30214	Th-228	1.28	0.015	0.066	3.98	0.00 - 0.50
5A-00180	30214	Th-228	1.28	0.015	0.066	3.98	0.00 - 0.50
5A-00180	30215	Th-228	1.23	0.01	0.062	3.98	1.00 - 5.00
5A-00180	30214	Th-234	1.58 R	0.16	0.11	3.19	0.00 - 0.50
5A-00180	30214	Th-234	1.58	0.16	0.11	3.19	0.00 - 0.50
5A-00180	30215	Th-234	1.74 R	0.15	0.11	3.19	1.00 - 5.00
5A-00180	30214	Th-232	1.25	0.008	0.064	3.1	0.00 - 0.50
5A-00180	30214	Th-232	1.25	0.008	0.064	3.1	0.00 - 0.50
5A-00180	30215	Th-232	1.26	0.008	0.063	3.1	1.00 - 5.00
5A-00180	30214	Pb-212	1.69	0.025	0.095	2.69	0.00 - 0.50
5A-00180	30214	Pb-212	1.69	0.025	0.095	2.69	0.00 - 0.50
5A-00180	30215	Pb-212	1.56	0.024	0.088	2.69	1.00 - 5.00
5A-00180	30214	Th-230	0.945	0.003	0.051	2.2	0.00 - 0.50
5A-00180	30214	Th-230	0.945	0.003	0.051	2.2	0.00 - 0.50
5A-00180	30215	Th-230	1.04	0.009	0.054	2.2	1.00 - 5.00
5A-00180	30214	Bi-212	0.93	0.14	0.085	2.15	0.00 - 0.50
5A-00180	30214	Bi-212	0.93	0.14	0.085	2.15	0.00 - 0.50
5A-00180	30215	Bi-212	1.07	0.15	0.099	2.15	1.00 - 5.00
5A-00180	30214	U-233/234	0.733	0.008	0.042	2.02	0.00 - 0.50
5A-00180	30214	U-233/234	0.733	0.008	0.042	2.02	0.00 - 0.50
5A-00180	30215	U-233/234	0.765	0.001	0.038	2.02	1.00 - 5.00
5A-00180	30214	U-238	0.737	0.008	0.042	1.8	0.00 - 0.50
5A-00180	30214	U-238	0.737	0.008	0.042	1.8	0.00 - 0.50
5A-00180	30215	U-238	0.722	0.001	0.036	1.8	1.00 - 5.00
5A-00180	30214	Pb-214	0.967	0.028	0.05	1.7	0.00 - 0.50
5A-00180	30214	Pb-214	0.967	0.028	0.05	1.7	0.00 - 0.50
5A-00180	30215	Pb-214	1.02	0.027	0.053	1.7	1.00 - 5.00
5A-00180	30214	Bi-214	0.86	0.027	0.046	1.59	0.00 - 0.50
5A-00180	30214	Bi-214	0.86	0.027	0.046	1.59	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00180	30215	Bi-214	0.925	0.028	0.049	1.59	1.00 - 5.00
5A-00180	30214	Tl-208	0.512	0.02	0.028	0.937	0.00 - 0.50
5A-00180	30214	Tl-208	0.512	0.02	0.028	0.937	0.00 - 0.50
5A-00180	30215	Tl-208	0.468	0.017	0.025	0.937	1.00 - 5.00
5A-00180	30214	Pa-231	0.04 U	0.6	0.18	0.936	0.00 - 0.50
5A-00180	30214	Pa-231	0.04	0.6	0.18	0.936	0.00 - 0.50
5A-00180	30215	Pa-231	-0.07 U	0.59	0.18	0.936	1.00 - 5.00
5A-00180	30214	Sr-90	0.008	0.054	0.016	0.485	0.00 - 0.50
5A-00180	30214	Sr-90	0.008 U	0.054	0.016	0.485	0.00 - 0.50
5A-00180	30215	Sr-90	0 U	0.031	0.009	0.485	1.00 - 5.00
5A-00180	30214	Sb-125	0.134	0.046	0.014	0.354	0.00 - 0.50
5A-00180	30214	Sb-125	0.134 SK	0.046	0.014	0.354	0.00 - 0.50
5A-00180	30215	Sb-125	0.137 SK	0.041	0.013	0.354	1.00 - 5.00
5A-00180	30214	Eu-155	0.069	0.036	0.014	0.231	0.00 - 0.50
5A-00180	30214	Eu-155	0.069 SK	0.036	0.014	0.231	0.00 - 0.50
5A-00180	30215	Eu-155	0.075 SK	0.032	0.013	0.231	1.00 - 5.00
5A-00180	30214	Ac-227	0.062	0.11	0.038	0.217	0.00 - 0.50
5A-00180	30214	Ac-227	0.062	0.11	0.038	0.217	0.00 - 0.50
5A-00180	30215	Ac-227	0.06 U	0.14	0.05	0.217	1.00 - 5.00
5A-00180	30214	Cs-137	0.0107	0.018	0.0061	0.207	0.00 - 0.50
5A-00180	30214	Cs-137	0.0107	0.018	0.0061	0.207	0.00 - 0.50
5A-00180	30215	Cs-137	0.0127	0.017	0.0065	0.207	1.00 - 5.00
5A-00180	30214	U-235/236	0.0491	0.012	0.0087	0.151	0.00 - 0.50
5A-00180	30214	U-235/236	0.0491	0.012	0.0087	0.151	0.00 - 0.50
5A-00180	30215	U-235/236	0.0292	0.0048	0.0046	0.151	1.00 - 5.00
5A-00180	30214	Eu-154	-0.039 U	0.12	0.035	0.15	0.00 - 0.50
5A-00180	30214	Eu-154	-0.039	0.12	0.035	0.15	0.00 - 0.50
5A-00180	30215	Eu-154	-0.04 U	0.11	0.032	0.15	1.00 - 5.00
5A-00180	30214	Th-229	0 U	0.011	0.0025	0.145	0.00 - 0.50
5A-00180	30214	Th-229	0	0.011	0.0025	0.145	0.00 - 0.50
5A-00180	30215	Th-229	0.012	0.0081	0.004	0.145	1.00 - 5.00
5A-00180	30214	Np-239	-0.004 U	0.07	0.021	0.139	0.00 - 0.50
5A-00180	30214	Np-239	-0.004	0.07	0.021	0.139	0.00 - 0.50
5A-00180	30215	Np-239	-0.01 U	0.09	0.027	0.139	1.00 - 5.00
5A-00180	30214	Cs-134	0.016	0.032	0.0053	0.0864	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00180	30214	Cs-134	0.016 SK	0.032	0.0053	0.0864	0.00 - 0.50
5A-00180	30215	Cs-134	0.0141 U	0.033	0.0039	0.0864	1.00 - 5.00
5A-00180	30214	Te-125m	0.0309	0.011	0.0032	0.0838	0.00 - 0.50
5A-00180	30214	Te-125m	0.0309 SK	0.011	0.0032	0.0838	0.00 - 0.50
5A-00180	30215	Te-125m	0.0318 SK	0.0094	0.0029	0.0838	1.00 - 5.00
5A-00180	30214	Eu-152	0.073 Y	0.032	0.015	0.0566	0.00 - 0.50
5A-00180	30214	Eu-152	0.073	0.032	0.015	0.0566	0.00 - 0.50
5A-00180	30215	Eu-152	-0.008 U	0.038	0.012	0.0566	1.00 - 5.00
5A-00180	30214	Np-236	0.0015	0.029	0.0087	0.047	0.00 - 0.50
5A-00180	30214	Np-236	0.0015 U	0.029	0.0087	0.047	0.00 - 0.50
5A-00180	30215	Np-236	-0.0008 U	0.028	0.0083	0.047	1.00 - 5.00
5A-00180	30214	Am-241	-0.0008	0.0079	0.0015	0.0454	0.00 - 0.50
5A-00180	30214	Am-241	-0.0008 U	0.0079	0.0015	0.0454	0.00 - 0.50
5A-00180	30215	Am-241	0.001 U	0.0026	0.001	0.0454	1.00 - 5.00
5A-00180	30214	Pu-236	-0.0007 U	0.0078	0.0013	0.0448	0.00 - 0.50
5A-00180	30214	Pu-236	-0.0007	0.0078	0.0013	0.0448	0.00 - 0.50
5A-00180	30214	Cm-243/244	0.0017 U	0.0023	0.0012	0.0443	0.00 - 0.50
5A-00180	30214	Cm-243/244	0.0017	0.0023	0.0012	0.0443	0.00 - 0.50
5A-00180	30215	Cm-243/244	0.001 U	0.0091	0.0022	0.0443	1.00 - 5.00
5A-00180	30214	Ho-166m	0.0029	0.028	0.0067	0.0432	0.00 - 0.50
5A-00180	30214	Ho-166m	0.0029 U	0.028	0.0067	0.0432	0.00 - 0.50
5A-00180	30215	Ho-166m	0.0055 U J	0.027	0.0036	0.0432	1.00 - 5.00
5A-00180	30214	Pu-238	0.0022	0.0057	0.0017	0.0415	0.00 - 0.50
5A-00180	30214	Pu-238	0.0022	0.0057	0.0017	0.0415	0.00 - 0.50
5A-00180	30215	Pu-238	0 U	0.0088	0.0019	0.0415	1.00 - 5.00
5A-00180	30214	Pu-239/240	0.0025	0.0065	0.0019	0.0404	0.00 - 0.50
5A-00180	30214	Pu-239/240	0.0025	0.0065	0.0019	0.0404	0.00 - 0.50
5A-00180	30215	Pu-239/240	0 U	0.0024	0.0005	0.0404	1.00 - 5.00
5A-00180	30214	Cm-245/246	0.0034	0.0084	0.0026	0.0401	0.00 - 0.50
5A-00180	30214	Cm-245/246	0.0034	0.0084	0.0026	0.0401	0.00 - 0.50
5A-00180	30215	Cm-245/246	0.0017 U	0.0046	0.0017	0.0401	1.00 - 5.00
5A-00180	30214	Na-22	0.0024 U	0.026	0.0077	0.037	0.00 - 0.50
5A-00180	30214	Na-22	0.0024	0.026	0.0077	0.037	0.00 - 0.50
5A-00180	30215	Na-22	-0.0106 U	0.026	0.0079	0.037	1.00 - 5.00
5A-00180	30214	Pu-244	0.0008 U	0.0021	0.0008	0.0313	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00180	30214	Pu-244	0.0008	0.0021	0.0008	0.0313	0.00 - 0.50
5A-00180	30215	Pu-244	0.0035	0.0024	0.0018	0.0313	1.00 - 5.00
5A-00180	30214	Cm-247/248	0.0022 U	0.003	0.0016	0.0306	0.00 - 0.50
5A-00180	30214	Cm-247/248	0.0022	0.003	0.0016	0.0306	0.00 - 0.50
5A-00180	30215	Cm-247/248	-0.001 U	0.0098	0.001	0.0306	1.00 - 5.00
5A-00180	30214	Co-60	0.0053 U	0.021	0.0063	0.028	0.00 - 0.50
5A-00180	30214	Co-60	0.0053	0.021	0.0063	0.028	0.00 - 0.50
5A-00180	30215	Co-60	0.0004 U	0.021	0.0003	0.028	1.00 - 5.00
5A-00180	30214	Sn-126	0.0022	0.017	0.0052	0.0237	0.00 - 0.50
5A-00180	30214	Sn-126	0.0022 U	0.017	0.0052	0.0237	0.00 - 0.50
5A-00180	30215	Sn-126	-0.0002 U	0.018	0.0054	0.0237	1.00 - 5.00
5A-00180	30214	Nb-94	0.005	0.015	0.0046	0.0214	0.00 - 0.50
5A-00180	30214	Nb-94	0.005 U	0.015	0.0046	0.0214	0.00 - 0.50
5A-00180	30215	Nb-94	0.0047 U	0.015	0.0032	0.0214	1.00 - 5.00
5A-00181	30216	Cd-113m	0.5 U	34	10	3030	0.00 - 0.50
5A-00181	30216	Cd-113m	0.5	34	10	3030	0.00 - 0.50
5A-00181	30217	Cd-113m	-5 U	43	13	3030	2.00 - 7.00
5A-00181	30216	Tm-171	-1.9 U	5.1	1.5	72.4	0.00 - 0.50
5A-00181	30216	Tm-171	-1.9	5.1	1.5	72.4	0.00 - 0.50
5A-00181	30217	Tm-171	0.4 U J	5.5	1.6	72.4	2.00 - 7.00
5A-00181	30216	K-40	20.9	0.1	1.1	32.4	0.00 - 0.50
5A-00181	30216	K-40	20.9	0.1	1.1	32.4	0.00 - 0.50
5A-00181	30217	K-40	20.9	0.2	1	32.4	2.00 - 7.00
5A-00181	30216	Th-228	1.23	0.012	0.061	3.98	0.00 - 0.50
5A-00181	30216	Th-228	1.23	0.012	0.061	3.98	0.00 - 0.50
5A-00181	30217	Th-228	1.46	0.025	0.074	3.98	2.00 - 7.00
5A-00181	30216	Th-234	1.29 R	0.13	0.092	3.19	0.00 - 0.50
5A-00181	30216	Th-234	1.29	0.13	0.092	3.19	0.00 - 0.50
5A-00181	30217	Th-234	1.9 R	0.16	0.12	3.19	2.00 - 7.00
5A-00181	30216	Th-232	1.21	0.006	0.06	3.1	0.00 - 0.50
5A-00181	30216	Th-232	1.21	0.006	0.06	3.1	0.00 - 0.50
5A-00181	30217	Th-232	1.44	0.007	0.073	3.1	2.00 - 7.00
5A-00181	30216	Pb-212	1.5	0.021	0.098	2.69	0.00 - 0.50
5A-00181	30216	Pb-212	1.5	0.021	0.098	2.69	0.00 - 0.50
5A-00181	30217	Pb-212	1.67	0.026	0.082	2.69	2.00 - 7.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00181	30216	Th-230	0.844	0.006	0.045	2.2	0.00 - 0.50
5A-00181	30216	Th-230	0.844	0.006	0.045	2.2	0.00 - 0.50
5A-00181	30217	Th-230	1.1	0.008	0.058	2.2	2.00 - 7.00
5A-00181	30216	Bi-212	0.933	0.11	0.077	2.15	0.00 - 0.50
5A-00181	30216	Bi-212	0.933	0.11	0.077	2.15	0.00 - 0.50
5A-00181	30217	Bi-212	1.22	0.13	0.092	2.15	2.00 - 7.00
5A-00181	30216	U-233/234	0.799	0.012	0.05	2.02	0.00 - 0.50
5A-00181	30216	U-233/234	0.799	0.012	0.05	2.02	0.00 - 0.50
5A-00181	30217	U-233/234	0.738	0.005	0.038	2.02	2.00 - 7.00
5A-00181	30216	U-238	0.78	0.005	0.049	1.8	0.00 - 0.50
5A-00181	30216	U-238	0.78	0.005	0.049	1.8	0.00 - 0.50
5A-00181	30217	U-238	0.754	0.002	0.039	1.8	2.00 - 7.00
5A-00181	30216	Pb-214	0.788	0.019	0.043	1.7	0.00 - 0.50
5A-00181	30216	Pb-214	0.788	0.019	0.043	1.7	0.00 - 0.50
5A-00181	30217	Pb-214	0.946	0.028	0.055	1.7	2.00 - 7.00
5A-00181	30216	Bi-214	0.718	0.019	0.039	1.59	0.00 - 0.50
5A-00181	30216	Bi-214	0.718	0.019	0.039	1.59	0.00 - 0.50
5A-00181	30217	Bi-214	0.896	0.029	0.048	1.59	2.00 - 7.00
5A-00181	30216	Tl-208	0.449	0.016	0.025	0.937	0.00 - 0.50
5A-00181	30216	Tl-208	0.449	0.016	0.025	0.937	0.00 - 0.50
5A-00181	30217	Tl-208	0.553	0.019	0.029	0.937	2.00 - 7.00
5A-00181	30216	Pa-231	0.03 U	0.49	0.15	0.936	0.00 - 0.50
5A-00181	30216	Pa-231	0.03	0.49	0.15	0.936	0.00 - 0.50
5A-00181	30217	Pa-231	0 U	0.63	0.13	0.936	2.00 - 7.00
5A-00181	30216	Sr-90	0.012 U	0.06	0.018	0.485	0.00 - 0.50
5A-00181	30216	Sr-90	0.012	0.06	0.018	0.485	0.00 - 0.50
5A-00181	30217	Sr-90	0.0118 U	0.028	0.0086	0.485	2.00 - 7.00
5A-00181	30216	Sb-125	0.123	0.034	0.0099	0.354	0.00 - 0.50
5A-00181	30216	Sb-125	0.123 SK	0.034	0.0099	0.354	0.00 - 0.50
5A-00181	30217	Sb-125	0.131 SK	0.045	0.011	0.354	2.00 - 7.00
5A-00181	30216	Eu-155	0.079 SK	0.031	0.013	0.231	0.00 - 0.50
5A-00181	30216	Eu-155	0.079	0.031	0.013	0.231	0.00 - 0.50
5A-00181	30217	Eu-155	0.105 SK	0.038	0.016	0.231	2.00 - 7.00
5A-00181	30216	Ac-227	0.318	0.12	0.021	0.217	0.00 - 0.50
5A-00181	30216	Ac-227	0.318 RZ	0.12	0.021	0.217	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00181	30217	Ac-227	0.031 U	0.14	0.042	0.217	2.00 - 7.00
5A-00181	30216	Cs-137	0.0194	0.01	0.0047	0.207	0.00 - 0.50
5A-00181	30216	Cs-137	0.0194	0.01	0.0047	0.207	0.00 - 0.50
5A-00181	30217	Cs-137	0.0032 U	0.017	0.0052	0.207	2.00 - 7.00
5A-00181	30216	U-235/236	0.0456	0.0056	0.0099	0.151	0.00 - 0.50
5A-00181	30216	U-235/236	0.0456	0.0056	0.0099	0.151	0.00 - 0.50
5A-00181	30217	U-235/236	0.0343	0.0022	0.0055	0.151	2.00 - 7.00
5A-00181	30216	Eu-154	0.0159	0.08	0.008	0.15	0.00 - 0.50
5A-00181	30216	Eu-154	0.0159 U	0.08	0.008	0.15	0.00 - 0.50
5A-00181	30217	Eu-154	-0.034 U	0.11	0.034	0.15	2.00 - 7.00
5A-00181	30216	Th-229	0.0058	0.0089	0.0031	0.145	0.00 - 0.50
5A-00181	30216	Th-229	0.0058	0.0089	0.0031	0.145	0.00 - 0.50
5A-00181	30217	Th-229	0.0083	0.0032	0.0031	0.145	2.00 - 7.00
5A-00181	30216	Np-239	-0.01 U	0.074	0.022	0.139	0.00 - 0.50
5A-00181	30216	Np-239	-0.01	0.074	0.022	0.139	0.00 - 0.50
5A-00181	30217	Np-239	-0.0004 U	0.088	0.026	0.139	2.00 - 7.00
5A-00181	30216	Cs-134	0.0151 U	0.043	0.005	0.0864	0.00 - 0.50
5A-00181	30216	Cs-134	0.0151	0.043	0.005	0.0864	0.00 - 0.50
5A-00181	30217	Cs-134	0.006 U	0.056	0.011	0.0864	2.00 - 7.00
5A-00181	30216	Te-125m	0.0284	0.0078	0.0023	0.0838	0.00 - 0.50
5A-00181	30216	Te-125m	0.0284 SK	0.0078	0.0023	0.0838	0.00 - 0.50
5A-00181	30217	Te-125m	0.0303 SK	0.01	0.0026	0.0838	2.00 - 7.00
5A-00181	30216	Eu-152	0.165 Y	0.026	0.015	0.0566	0.00 - 0.50
5A-00181	30216	Eu-152	0.165	0.026	0.015	0.0566	0.00 - 0.50
5A-00181	30217	Eu-152	0.046	0.039	0.016	0.0566	2.00 - 7.00
5A-00181	30216	Np-236	0	0.027	0.0034	0.047	0.00 - 0.50
5A-00181	30216	Np-236	0 U	0.027	0.0034	0.047	0.00 - 0.50
5A-00181	30217	Np-236	-0.011 U	0.034	0.01	0.047	2.00 - 7.00
5A-00181	30216	Am-241	0.0033	0.003	0.0019	0.0454	0.00 - 0.50
5A-00181	30216	Am-241	0.0033	0.003	0.0019	0.0454	0.00 - 0.50
5A-00181	30217	Am-241	0.0022 U	0.0067	0.0019	0.0454	2.00 - 7.00
5A-00181	30216	Pu-236	0 U	0.0026	0.0006	0.0448	0.00 - 0.50
5A-00181	30216	Pu-236	0	0.0026	0.0006	0.0448	0.00 - 0.50
5A-00181	30216	Cm-243/244	0.0011	0.003	0.0011	0.0443	0.00 - 0.50
5A-00181	30216	Cm-243/244	0.0011 U	0.003	0.0011	0.0443	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00181	30217	Cm-243/244	0 U	0.002	0.0007	0.0443	2.00 - 7.00
5A-00181	30216	Ho-166m	0.0367 SK	0.018	0.0052	0.0432	0.00 - 0.50
5A-00181	30216	Ho-166m	0.0367	0.018	0.0052	0.0432	0.00 - 0.50
5A-00181	30217	Ho-166m	0.0052 U	0.027	0.0032	0.0432	2.00 - 7.00
5A-00181	30216	Pu-238	0.001	0.0067	0.0016	0.0415	0.00 - 0.50
5A-00181	30216	Pu-238	0.001 U	0.0067	0.0016	0.0415	0.00 - 0.50
5A-00181	30217	Pu-238	0.0043	0.0019	0.0018	0.0415	2.00 - 7.00
5A-00181	30216	Pu-239/240	0.0019	0.0048	0.0015	0.0404	0.00 - 0.50
5A-00181	30216	Pu-239/240	0.0019	0.0048	0.0015	0.0404	0.00 - 0.50
5A-00181	30217	Pu-239/240	0.0014	0.0019	0.001	0.0404	2.00 - 7.00
5A-00181	30216	Cm-245/246	0.002 U	0.0075	0.002	0.0401	0.00 - 0.50
5A-00181	30216	Cm-245/246	0.002	0.0075	0.002	0.0401	0.00 - 0.50
5A-00181	30217	Cm-245/246	0.0032 U	0.01	0.0029	0.0401	2.00 - 7.00
5A-00181	30216	Na-22	0.0037 U	0.02	0.0059	0.037	0.00 - 0.50
5A-00181	30216	Na-22	0.0037	0.02	0.0059	0.037	0.00 - 0.50
5A-00181	30217	Na-22	0.0001 U	0.025	0.0076	0.037	2.00 - 7.00
5A-00181	30216	Pu-244	0.0016	0.0022	0.0011	0.0313	0.00 - 0.50
5A-00181	30216	Pu-244	0.0016	0.0022	0.0011	0.0313	0.00 - 0.50
5A-00181	30217	Pu-244	0.0014	0.0019	0.001	0.0313	2.00 - 7.00
5A-00181	30216	Cm-247/248	0.001 U	0.0074	0.0017	0.0306	0.00 - 0.50
5A-00181	30216	Cm-247/248	0.001	0.0074	0.0017	0.0306	0.00 - 0.50
5A-00181	30217	Cm-247/248	0 U	0.0029	0.0011	0.0306	2.00 - 7.00
5A-00181	30216	Co-60	0.0029	0.015	0.0046	0.028	0.00 - 0.50
5A-00181	30216	Co-60	0.0029 U	0.015	0.0046	0.028	0.00 - 0.50
5A-00181	30217	Co-60	-0.0003 U	0.018	0.0054	0.028	2.00 - 7.00
5A-00181	30216	Sn-126	0.0137	0.0091	0.0042	0.0237	0.00 - 0.50
5A-00181	30216	Sn-126	0.0137	0.0091	0.0042	0.0237	0.00 - 0.50
5A-00181	30217	Sn-126	-0.0029 U	0.018	0.0053	0.0237	2.00 - 7.00
5A-00181	30216	Nb-94	0.0137 SK	0.0093	0.0045	0.0214	0.00 - 0.50
5A-00181	30216	Nb-94	0.0137	0.0093	0.0045	0.0214	0.00 - 0.50
5A-00181	30217	Nb-94	0.0123 SK	0.011	0.0046	0.0214	2.00 - 7.00
5A-00186	30224	Cd-113m	-14.2 U	88.2	28.9	3030	0.00 - 0.50
5A-00186	30225	Cd-113m	0.07 U	43	13	3030	1.00 - 4.50
5A-00186	30224	Tm-171	-1.77 U	10.7	3.73	72.4	0.00 - 0.50
5A-00186	30225	Tm-171	0.02 U	4.8	1.4	72.4	1.00 - 4.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00186	30224	K-40	24.1	0.0967	1.36	32.4	0.00 - 0.50
5A-00186	30225	K-40	21.6	0.1	1.1	32.4	1.00 - 4.50
5A-00186	30224	Th-228	1.19	0.123	0.117	3.98	0.00 - 0.50
5A-00186	30225	Th-228	1.19	0.03	0.067	3.98	1.00 - 4.50
5A-00186	30224	Th-234	1.5	0.193	0.134	3.19	0.00 - 0.50
5A-00186	30225	Th-234	0.684 R	0.15	0.06	3.19	1.00 - 4.50
5A-00186	30224	Th-232	0.793	0.0155	0.0808	3.1	0.00 - 0.50
5A-00186	30225	Th-232	1.14	0.004	0.065	3.1	1.00 - 4.50
5A-00186	30224	Pb-212	1.62	0.0267	0.0956	2.69	0.00 - 0.50
5A-00186	30225	Pb-212	1.52	0.024	0.086	2.69	1.00 - 4.50
5A-00186	30224	Th-230	0.624	0.0155	0.0693	2.2	0.00 - 0.50
5A-00186	30225	Th-230	0.991	0.015	0.058	2.2	1.00 - 4.50
5A-00186	30224	Bi-212	0.969	0.109	0.0691	2.15	0.00 - 0.50
5A-00186	30225	Bi-212	1.08	0.14	0.095	2.15	1.00 - 4.50
5A-00186	30224	U-233/234	1.09	0.0416	0.112	2.02	0.00 - 0.50
5A-00186	30225	U-233/234	0.761	0.003	0.044	2.02	1.00 - 4.50
5A-00186	30224	U-238	0.74	0.0416	0.0849	1.8	0.00 - 0.50
5A-00186	30225	U-238	0.752	0.009	0.044	1.8	1.00 - 4.50
5A-00186	30224	Pb-214	0.968	0.0231	0.0454	1.7	0.00 - 0.50
5A-00186	30225	Pb-214	1.03	0.028	0.054	1.7	1.00 - 4.50
5A-00186	30224	Bi-214	0.857	0.0209	0.0388	1.59	0.00 - 0.50
5A-00186	30225	Bi-214	0.931	0.029	0.05	1.59	1.00 - 4.50
5A-00186	30224	Tl-208	0.488	0.0141	0.0264	0.937	0.00 - 0.50
5A-00186	30225	Tl-208	0.455	0.019	0.025	0.937	1.00 - 4.50
5A-00186	30224	Pa-231	-0.0658 U	0.553	0.172	0.936	0.00 - 0.50
5A-00186	30225	Pa-231	0.14 U	0.6	0.18	0.936	1.00 - 4.50
5A-00186	30224	Sr-90	0.0815 K	0.132	0.0421	0.485	0.00 - 0.50
5A-00186	30225	Sr-90	0.049	0.05	0.016	0.485	1.00 - 4.50
5A-00186	30224	Sb-125	0.0051 U	0.0339	0.01	0.354	0.00 - 0.50
5A-00186	30225	Sb-125	0.103 SK	0.043	0.0097	0.354	1.00 - 4.50
5A-00186	30224	Eu-155	0.068 SK	0.0477	0.0202	0.231	0.00 - 0.50
5A-00186	30225	Eu-155	0.07 SK	0.034	0.014	0.231	1.00 - 4.50
5A-00186	30224	Ac-227	-0.0387 U	0.132	0.0418	0.217	0.00 - 0.50
5A-00186	30225	Ac-227	0.029 U	0.15	0.055	0.217	1.00 - 4.50
5A-00186	30224	Cs-137	0.0308	0.0121	0.0047	0.207	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00186	30225	Cs-137	-0.0073 U	0.017	0.0053	0.207	1.00 - 4.50
5A-00186	30224	U-235/236	0.0279	0.0514	0.0172	0.151	0.00 - 0.50
5A-00186	30225	U-235/236	0.0341	0.004	0.0073	0.151	1.00 - 4.50
5A-00186	30224	Eu-154	0.0173 U	0.0735	0.025	0.15	0.00 - 0.50
5A-00186	30225	Eu-154	-0.032 U	0.11	0.034	0.15	1.00 - 4.50
5A-00186	30224	Th-229	0.0057 U	0.0618	0.0152	0.145	0.00 - 0.50
5A-00186	30225	Th-229	0.0038 U	0.014	0.0039	0.145	1.00 - 4.50
5A-00186	30224	Np-239	-0.0527 U	0.0866	0.0296	0.139	0.00 - 0.50
5A-00186	30225	Np-239	-0.02 U	0.09	0.027	0.139	1.00 - 4.50
5A-00186	30224	Cs-134	0.0047 U	0.0122	0.0043	0.0864	0.00 - 0.50
5A-00186	30225	Cs-134	0.0137 U J	0.055	0.0079	0.0864	1.00 - 4.50
5A-00186	30225	Te-125m	0.0238 SK	0.0099	0.0022	0.0838	1.00 - 4.50
5A-00186	30224	Eu-152	-0.0287 U J	0.0325	0.0122	0.0566	0.00 - 0.50
5A-00186	30225	Eu-152	0.002 U	0.04	0.015	0.0566	1.00 - 4.50
5A-00186	30224	Np-236	-0.0069 U	0.0248	0.0075	0.047	0.00 - 0.50
5A-00186	30225	Np-236	-0.0031 U	0.032	0.0096	0.047	1.00 - 4.50
5A-00186	30224	Am-241	0.0075	0.0168	0.0055	0.0454	0.00 - 0.50
5A-00186	30225	Am-241	0.004	0.0027	0.002	0.0454	1.00 - 4.50
5A-00186	30224	Pu-236	0 U	0.0419	0.0104	0.0448	0.00 - 0.50
5A-00186	30225	Pu-236	-0.0012 U	0.0072	0.0008	0.0448	1.00 - 4.50
5A-00186	30224	Cm-243/244	-0.0031 U	0.0208	0.0038	0.0443	0.00 - 0.50
5A-00186	30225	Cm-243/244	0 U	0.0073	0.0014	0.0443	1.00 - 4.50
5A-00186	30224	Ho-166m	-0.0048 U	0.0189	0.0059	0.0432	0.00 - 0.50
5A-00186	30225	Ho-166m	0.011 U	0.024	0.01	0.0432	1.00 - 4.50
5A-00186	30224	Pu-238	-0.0024 U	0.0439	0.0111	0.0415	0.00 - 0.50
5A-00186	30225	Pu-238	0.0036	0.0071	0.0023	0.0415	1.00 - 4.50
5A-00186	30224	Pu-239/240	0 U	0.0224	0.0048	0.0404	0.00 - 0.50
5A-00186	30225	Pu-239/240	0.0017	0.0023	0.0012	0.0404	1.00 - 4.50
5A-00186	30225	Cm-245/246	0.002 U	0.0084	0.0022	0.0401	1.00 - 4.50
5A-00186	30224	Na-22	-0.0041 U	0.0168	0.0052	0.037	0.00 - 0.50
5A-00186	30225	Na-22	-0.0072 U J	0.027	0.0082	0.037	1.00 - 4.50
5A-00186	30224	Pu-244	0.0096	0.0177	0.0059	0.0313	0.00 - 0.50
5A-00186	30225	Pu-244	0.0017	0.0023	0.0012	0.0313	1.00 - 4.50
5A-00186	30225	Cm-247/248	0.0014 U	0.0037	0.0014	0.0306	1.00 - 4.50
5A-00186	30224	Co-60	-0.0013 U	0.0135	0.0041	0.028	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00186	30225	Co-60	0.0044 U	0.02	0.0059	0.028	1.00 - 4.50
5A-00186	30224	Sn-126	-0.0022 U	0.0119	0.0037	0.0237	0.00 - 0.50
5A-00186	30225	Sn-126	0.0011 U	0.016	0.0047	0.0237	1.00 - 4.50
5A-00186	30224	Nb-94	0.0009 U	0.011	0.0034	0.0214	0.00 - 0.50
5A-00186	30225	Nb-94	0.005 U J	0.015	0.0045	0.0214	1.00 - 4.50
5A-00187	30226	Cd-113m	-55.2 U	91.1	33.9	3030	0.00 - 0.50
5A-00187	30227	Cd-113m	12 U	36	11	3030	1.00 - 5.00
5A-00187	30226	Tm-171	-11.1 U	14.9	5.71	72.4	0.00 - 0.50
5A-00187	30227	Tm-171	-0.05 U	4.7	1.4	72.4	1.00 - 5.00
5A-00187	30226	K-40	23	0.0906	1.42	32.4	0.00 - 0.50
5A-00187	30227	K-40	18.8	0.13	0.93	32.4	1.00 - 5.00
5A-00187	30226	Th-228	1.17	0.0726	0.118	3.98	0.00 - 0.50
5A-00187	30227	Th-228	1.06	0.012	0.054	3.98	1.00 - 5.00
5A-00187	30226	Th-234	0.796	0.22	0.103	3.19	0.00 - 0.50
5A-00187	30227	Th-234	1.07 R	0.14	0.079	3.19	1.00 - 5.00
5A-00187	30226	Th-232	0.818	0.0172	0.0859	3.1	0.00 - 0.50
5A-00187	30227	Th-232	1	0.002	0.051	3.1	1.00 - 5.00
5A-00187	30226	Pb-212	1.24	0.0266	0.0819	2.69	0.00 - 0.50
5A-00187	30227	Pb-212	1.21	0.025	0.069	2.69	1.00 - 5.00
5A-00187	30226	Th-230	0.394	0.0591	0.0564	2.2	0.00 - 0.50
5A-00187	30227	Th-230	0.685	0.008	0.038	2.2	1.00 - 5.00
5A-00187	30226	Bi-212	0.641	0.109	0.06	2.15	0.00 - 0.50
5A-00187	30227	Bi-212	0.822	0.13	0.079	2.15	1.00 - 5.00
5A-00187	30226	U-233/234	0.432	0.0271	0.0505	2.02	0.00 - 0.50
5A-00187	30227	U-233/234	0.592	0.009	0.036	2.02	1.00 - 5.00
5A-00187	30226	U-238	0.512	0.01	0.0566	1.8	0.00 - 0.50
5A-00187	30227	U-238	0.611	0.003	0.037	1.8	1.00 - 5.00
5A-00187	30226	Pb-214	0.576	0.0232	0.0304	1.7	0.00 - 0.50
5A-00187	30227	Pb-214	0.727	0.022	0.038	1.7	1.00 - 5.00
5A-00187	30226	Bi-214	0.523	0.0207	0.026	1.59	0.00 - 0.50
5A-00187	30227	Bi-214	0.679	0.027	0.037	1.59	1.00 - 5.00
5A-00187	30226	Tl-208	0.386	0.0133	0.0219	0.937	0.00 - 0.50
5A-00187	30227	Tl-208	0.386	0.014	0.021	0.937	1.00 - 5.00
5A-00187	30226	Pa-231	-0.14 U	0.557	0.192	0.936	0.00 - 0.50
5A-00187	30227	Pa-231	-0.05 U	0.53	0.16	0.936	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00187	30226	Sr-90	0.114 U	0.212	0.0657	0.485	0.00 - 0.50
5A-00187	30227	Sr-90	0.024 U	0.055	0.017	0.485	1.00 - 5.00
5A-00187	30226	Sb-125	-0.009 U	0.0333	0.0103	0.354	0.00 - 0.50
5A-00187	30227	Sb-125	0.102 SK	0.04	0.01	0.354	1.00 - 5.00
5A-00187	30226	Eu-155	0.0537 SK	0.0529	0.0164	0.231	0.00 - 0.50
5A-00187	30227	Eu-155	0.063 SK	0.03	0.012	0.231	1.00 - 5.00
5A-00187	30226	Ac-227	-0.0633 U	0.136	0.0452	0.217	0.00 - 0.50
5A-00187	30227	Ac-227	-0.017 U	0.13	0.039	0.217	1.00 - 5.00
5A-00187	30226	Cs-137	0.0321	0.0118	0.0049	0.207	0.00 - 0.50
5A-00187	30227	Cs-137	0.0102	0.017	0.0063	0.207	1.00 - 5.00
5A-00187	30226	U-235/236	0.0273	0.0335	0.013	0.151	0.00 - 0.50
5A-00187	30227	U-235/236	0.0261	0.0039	0.0063	0.151	1.00 - 5.00
5A-00187	30226	Eu-154	-0.0018 U	0.0777	0.0235	0.15	0.00 - 0.50
5A-00187	30227	Eu-154	-0.061 U	0.1	0.031	0.15	1.00 - 5.00
5A-00187	30226	Th-229	0.0255	0.0469	0.0157	0.145	0.00 - 0.50
5A-00187	30227	Th-229	-0.001 U	0.015	0.0035	0.145	1.00 - 5.00
5A-00187	30226	Np-239	0.0084 U	0.0912	0.0281	0.139	0.00 - 0.50
5A-00187	30227	Np-239	-0.009 U	0.08	0.024	0.139	1.00 - 5.00
5A-00187	30226	Cs-134	0.0007 U	0.0114	0.0039	0.0864	0.00 - 0.50
5A-00187	30227	Cs-134	0.0115 U J	0.029	0.0039	0.0864	1.00 - 5.00
5A-00187	30227	Te-125m	0.0235 SK	0.0092	0.0024	0.0838	1.00 - 5.00
5A-00187	30226	Eu-152	0.0033 U	0.0333	0.0114	0.0566	0.00 - 0.50
5A-00187	30227	Eu-152	0.0005 U	0.034	0.01	0.0566	1.00 - 5.00
5A-00187	30226	Np-236	0.006 U	0.0271	0.0084	0.047	0.00 - 0.50
5A-00187	30227	Np-236	0.0056 U	0.021	0.0062	0.047	1.00 - 5.00
5A-00187	30226	Am-241	0.0081 U	0.0249	0.0071	0.0454	0.00 - 0.50
5A-00187	30227	Am-241	0.0019 U	0.0072	0.002	0.0454	1.00 - 5.00
5A-00187	30226	Pu-236	0.005 U	0.042	0.0113	0.0448	0.00 - 0.50
5A-00187	30227	Pu-236	0 U	0.0028	0.0006	0.0448	1.00 - 5.00
5A-00187	30226	Cm-243/244	-0.0001 U	0.028	0.0058	0.0443	0.00 - 0.50
5A-00187	30227	Cm-243/244	0.002 U	0.0026	0.0014	0.0443	1.00 - 5.00
5A-00187	30226	Ho-166m	-0.005 U	0.0185	0.0056	0.0432	0.00 - 0.50
5A-00187	30227	Ho-166m	0.0035 U	0.022	0.0058	0.0432	1.00 - 5.00
5A-00187	30226	Pu-238	-0.0044 U	0.0453	0.0116	0.0415	0.00 - 0.50
5A-00187	30227	Pu-238	0 U	0.0088	0.0019	0.0415	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00187	30226	Pu-239/240	-0.0065 U	0.0307	0.0065	0.0404	0.00 - 0.50
5A-00187	30227	Pu-239/240	-0.0011 U	0.0064	0.0008	0.0404	1.00 - 5.00
5A-00187	30227	Cm-245/246	0.0016 U	0.0044	0.0016	0.0401	1.00 - 5.00
5A-00187	30226	Na-22	-0.0097 U	0.018	0.0059	0.037	0.00 - 0.50
5A-00187	30227	Na-22	0 U J	0.027	0.0019	0.037	1.00 - 5.00
5A-00187	30226	Pu-244	0 U	0.016	0.0031	0.0313	0.00 - 0.50
5A-00187	30227	Pu-244	0.0018	0.0024	0.0012	0.0313	1.00 - 5.00
5A-00187	30227	Cm-247/248	-0.001 U	0.0094	0.001	0.0306	1.00 - 5.00
5A-00187	30226	Co-60	0 U	0.0137	0.004	0.028	0.00 - 0.50
5A-00187	30227	Co-60	0.0017 U	0.02	0.0012	0.028	1.00 - 5.00
5A-00187	30226	Sn-126	-0.0006 U	0.0119	0.0035	0.0237	0.00 - 0.50
5A-00187	30227	Sn-126	0.0073	0.011	0.0043	0.0237	1.00 - 5.00
5A-00187	30226	Nb-94	0.0015 U	0.0108	0.0032	0.0214	0.00 - 0.50
5A-00187	30227	Nb-94	0.0032 U J	0.013	0.003	0.0214	1.00 - 5.00
5A-00188	30228	Cd-113m	9.56 U	127	37.7	3030	0.00 - 0.50
5A-00188	30229	Cd-113m	-7.9 U	83	25.6	3030	1.00 - 5.00
5A-00188	30228	Tm-171	2.01 U	12.9	4.33	72.4	0.00 - 0.50
5A-00188	30229	Tm-171	-2.9 U	7.97	2.76	72.4	1.00 - 5.00
5A-00188	30228	K-40	24.5	0.144	1.38	32.4	0.00 - 0.50
5A-00188	30229	K-40	21.6	0.0926	1.16	32.4	1.00 - 5.00
5A-00188	30228	Th-228	1.19	0.0823	0.114	3.98	0.00 - 0.50
5A-00188	30229	Th-228	1.45	0.0724	0.144	3.98	1.00 - 5.00
5A-00188	30228	Th-234	1.77	0.255	0.162	3.19	0.00 - 0.50
5A-00188	30229	Th-234	1.57	0.178	0.122	3.19	1.00 - 5.00
5A-00188	30228	Th-232	0.956	0.0409	0.091	3.1	0.00 - 0.50
5A-00188	30229	Th-232	1.13	0.0641	0.116	3.1	1.00 - 5.00
5A-00188	30228	Pb-212	1.6	0.037	0.0935	2.69	0.00 - 0.50
5A-00188	30229	Pb-212	1.3	0.0227	0.0738	2.69	1.00 - 5.00
5A-00188	30228	Th-230	0.647	0.0518	0.0711	2.2	0.00 - 0.50
5A-00188	30229	Th-230	1.03	0.0745	0.11	2.2	1.00 - 5.00
5A-00188	30228	Bi-212	0.962	0.17	0.0947	2.15	0.00 - 0.50
5A-00188	30229	Bi-212	0.812	0.0952	0.0657	2.15	1.00 - 5.00
5A-00188	30228	U-233/234	0.902	0.0728	0.0987	2.02	0.00 - 0.50
5A-00188	30229	U-233/234	0.997	0.0305	0.0963	2.02	1.00 - 5.00
5A-00188	30228	U-238	0.844	0.0409	0.0928	1.8	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00188	30229	U-238	0.927	0.0112	0.0909	1.8	1.00 - 5.00
5A-00188	30228	Pb-214	1.07	0.0342	0.0512	1.7	0.00 - 0.50
5A-00188	30229	Pb-214	0.922	0.0225	0.043	1.7	1.00 - 5.00
5A-00188	30228	Bi-214	1.02	0.0331	0.0495	1.59	0.00 - 0.50
5A-00188	30229	Bi-214	0.94	0.0202	0.0419	1.59	1.00 - 5.00
5A-00188	30228	Tl-208	0.507	0.0218	0.0311	0.937	0.00 - 0.50
5A-00188	30229	Tl-208	0.391	0.0126	0.022	0.937	1.00 - 5.00
5A-00188	30228	Pa-231	0.14 U	0.783	0.251	0.936	0.00 - 0.50
5A-00188	30229	Pa-231	0.0172 U	0.509	0.151	0.936	1.00 - 5.00
5A-00188	30228	Sr-90	-0.0177 U	0.16	0.043	0.485	0.00 - 0.50
5A-00188	30229	Sr-90	0.0312 U	0.344	0.0968	0.485	1.00 - 5.00
5A-00188	30228	Sb-125	0.0103 U	0.0528	0.016	0.354	0.00 - 0.50
5A-00188	30229	Sb-125	0.0035 U	0.0311	0.0095	0.354	1.00 - 5.00
5A-00188	30228	Eu-155	0.0553 JSK	0.065	0.0243	0.231	0.00 - 0.50
5A-00188	30229	Eu-155	0.073 SK	0.0435	0.0168	0.231	1.00 - 5.00
5A-00188	30228	Ac-227	-0.0643 U	0.189	0.0584	0.217	0.00 - 0.50
5A-00188	30229	Ac-227	-0.0664 U	0.122	0.0398	0.217	1.00 - 5.00
5A-00188	30228	Cs-137	0.0092 U	0.0199	0.0069	0.207	0.00 - 0.50
5A-00188	30229	Cs-137	-0.006	0.0117	0.0043	0.207	1.00 - 5.00
5A-00188	30228	U-235/236	0.0206 U	0.0638	0.0182	0.151	0.00 - 0.50
5A-00188	30229	U-235/236	0.0461	0.0139	0.0157	0.151	1.00 - 5.00
5A-00188	30228	Eu-154	0.0096 U	0.123	0.0369	0.15	0.00 - 0.50
5A-00188	30229	Eu-154	0.0268 U	0.0693	0.0236	0.15	1.00 - 5.00
5A-00188	30228	Th-229	0.0279	0.0602	0.0186	0.145	0.00 - 0.50
5A-00188	30229	Th-229	0.0901	0.051	0.0275	0.145	1.00 - 5.00
5A-00188	30228	Np-239	0.0154 U	0.125	0.0368	0.139	0.00 - 0.50
5A-00188	30229	Np-239	-0.0125 U	0.0821	0.0244	0.139	1.00 - 5.00
5A-00188	30228	Cs-134	-0.0011 U	0.0185	0.0062	0.0864	0.00 - 0.50
5A-00188	30229	Cs-134	-0.0035 U	0.0107	0.0038	0.0864	1.00 - 5.00
5A-00188	30228	Eu-152	-0.002 U	0.0485	0.0166	0.0566	0.00 - 0.50
5A-00188	30229	Eu-152	-0.0211 U	0.031	0.011	0.0566	1.00 - 5.00
5A-00188	30228	Np-236	-0.0055 U	0.0327	0.0101	0.047	0.00 - 0.50
5A-00188	30229	Np-236	-0.0034 U	0.0234	0.0072	0.047	1.00 - 5.00
5A-00188	30228	Am-241	0.0061	0.0083	0.0043	0.0454	0.00 - 0.50
5A-00188	30229	Am-241	-0.0059 U	0.0315	0.0059	0.0454	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00188	30228	Pu-236	0 U	0.0328	0.0077	0.0448	0.00 - 0.50
5A-00188	30229	Pu-236	-0.0017 U	0.016	0.003	0.0448	1.00 - 5.00
5A-00188	30228	Cm-243/244	0.0062	0.0085	0.0044	0.0443	0.00 - 0.50
5A-00188	30229	Cm-243/244	-0.006 U	0.0249	0.0042	0.0443	1.00 - 5.00
5A-00188	30228	Ho-166m	0.0045 U	0.0296	0.0087	0.0432	0.00 - 0.50
5A-00188	30229	Ho-166m	0.0057 U	0.0187	0.0056	0.0432	1.00 - 5.00
5A-00188	30228	Pu-238	0.0024 U	0.0285	0.0071	0.0415	0.00 - 0.50
5A-00188	30229	Pu-238	-0.0046 U	0.0185	0.0035	0.0415	1.00 - 5.00
5A-00188	30228	Pu-239/240	0.0071	0.0174	0.0053	0.0404	0.00 - 0.50
5A-00188	30229	Pu-239/240	-0.0046 U	0.0217	0.0046	0.0404	1.00 - 5.00
5A-00188	30228	Na-22	-0.0038 U	0.0275	0.0082	0.037	0.00 - 0.50
5A-00188	30229	Na-22	-0.0038 U	0.0156	0.0048	0.037	1.00 - 5.00
5A-00188	30228	Pu-244	0.0071 U	0.0219	0.0063	0.0313	0.00 - 0.50
5A-00188	30229	Pu-244	0.0031 U	0.0113	0.0031	0.0313	1.00 - 5.00
5A-00188	30228	Co-60	-0.009 U	0.0211	0.0067	0.028	0.00 - 0.50
5A-00188	30229	Co-60	-0.0014 U	0.0128	0.0039	0.028	1.00 - 5.00
5A-00188	30228	Sn-126	0.006 U	0.0196	0.0059	0.0237	0.00 - 0.50
5A-00188	30229	Sn-126	0.0024 U	0.0119	0.0035	0.0237	1.00 - 5.00
5A-00188	30228	Nb-94	0.0125 JSK	0.0176	0.0058	0.0214	0.00 - 0.50
5A-00188	30229	Nb-94	0.0009 U	0.0104	0.0031	0.0214	1.00 - 5.00
5A-00189	30230	Cd-113m	-25.3 U	87.7	28	3030	0.00 - 0.50
5A-00189	30231	Cd-113m	7 U	34	10	3030	1.00 - 5.00
5A-00189	30230	Tm-171	-1.39 U	5.52	1.81	72.4	0.00 - 0.50
5A-00189	30231	Tm-171	0.04 U	5.4	1.6	72.4	1.00 - 5.00
5A-00189	30230	K-40	25.1	0.115	1.36	32.4	0.00 - 0.50
5A-00189	30231	K-40	22	0.1	1.1	32.4	1.00 - 5.00
5A-00189	30230	Th-228	1.23	0.0513	0.116	3.98	0.00 - 0.50
5A-00189	30231	Th-228	1.13	0.011	0.057	3.98	1.00 - 5.00
5A-00189	30230	Th-234	0.935	0.151	0.0869	3.19	0.00 - 0.50
5A-00189	30231	Th-234	1.36 R	0.13	0.095	3.19	1.00 - 5.00
5A-00189	30230	Th-232	0.909	0.0416	0.0885	3.1	0.00 - 0.50
5A-00189	30231	Th-232	1.14	0.002	0.057	3.1	1.00 - 5.00
5A-00189	30230	Pb-212	1.25	0.0258	0.0698	2.69	0.00 - 0.50
5A-00189	30231	Pb-212	1.49	0.021	0.098	2.69	1.00 - 5.00
5A-00189	30230	Th-230	0.538	0.0526	0.064	2.2	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00189	30231	Th-230	0.859	0.009	0.045	2.2	1.00 - 5.00
5A-00189	30230	Bi-212	0.823	0.135	0.0794	2.15	0.00 - 0.50
5A-00189	30231	Bi-212	0.998	0.11	0.082	2.15	1.00 - 5.00
5A-00189	30230	U-233/234	0.84	0.0572	0.0833	2.02	0.00 - 0.50
5A-00189	30231	U-233/234	0.696	0.012	0.04	2.02	1.00 - 5.00
5A-00189	30230	U-238	0.789	0.05	0.0792	1.8	0.00 - 0.50
5A-00189	30231	U-238	0.715	0.008	0.041	1.8	1.00 - 5.00
5A-00189	30230	Pb-214	0.655	0.0246	0.0313	1.7	0.00 - 0.50
5A-00189	30231	Pb-214	0.899	0.021	0.048	1.7	1.00 - 5.00
5A-00189	30230	Bi-214	0.638	0.0255	0.0317	1.59	0.00 - 0.50
5A-00189	30231	Bi-214	0.805	0.02	0.044	1.59	1.00 - 5.00
5A-00189	30230	Tl-208	0.426	0.0156	0.0251	0.937	0.00 - 0.50
5A-00189	30231	Tl-208	0.435	0.015	0.024	0.937	1.00 - 5.00
5A-00189	30230	Pa-231	-0.0786 U	0.54	0.17	0.936	0.00 - 0.50
5A-00189	30231	Pa-231	0.085 U	0.48	0.065	0.936	1.00 - 5.00
5A-00189	30230	Sr-90	0.0095 U K	0.144	0.0394	0.485	0.00 - 0.50
5A-00189	30231	Sr-90	0.031 U	0.065	0.02	0.485	1.00 - 5.00
5A-00189	30230	Sb-125	0.0103 U	0.0384	0.0115	0.354	0.00 - 0.50
5A-00189	30231	Sb-125	0.0227 SK	0.024	0.0097	0.354	1.00 - 5.00
5A-00189	30230	Eu-155	0.0637 SK	0.0403	0.0162	0.231	0.00 - 0.50
5A-00189	30231	Eu-155	0.066 SK	0.032	0.014	0.231	1.00 - 5.00
5A-00189	30230	Ac-227	-0.043 U	0.132	0.0424	0.217	0.00 - 0.50
5A-00189	30231	Ac-227	0.044 U	0.12	0.035	0.217	1.00 - 5.00
5A-00189	30230	Cs-137	-0.0095 U	0.015	0.0052	0.207	0.00 - 0.50
5A-00189	30231	Cs-137	0.0384	0.0092	0.0047	0.207	1.00 - 5.00
5A-00189	30230	U-235/236	0.0612	0.0438	0.0199	0.151	0.00 - 0.50
5A-00189	30231	U-235/236	0.0317	0.0037	0.0067	0.151	1.00 - 5.00
5A-00189	30230	Eu-154	-0.0342 U	0.0953	0.03	0.15	0.00 - 0.50
5A-00189	30231	Eu-154	0.007 U	0.077	0.023	0.15	1.00 - 5.00
5A-00189	30230	Th-229	0.0057 U	0.0682	0.017	0.145	0.00 - 0.50
5A-00189	30231	Th-229	0.0011 U	0.0082	0.0019	0.145	1.00 - 5.00
5A-00189	30230	Np-239	0.0396 U	0.0872	0.028	0.139	0.00 - 0.50
5A-00189	30231	Np-239	0.019 U	0.07	0.021	0.139	1.00 - 5.00
5A-00189	30230	Cs-134	0.0015 U	0.0142	0.0049	0.0864	0.00 - 0.50
5A-00189	30231	Cs-134	0.0036 U J	0.04	0.003	0.0864	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00189	30231	Te-125m	0.0052 SK	0.0057	0.0022	0.0838	1.00 - 5.00
5A-00189	30230	Eu-152	-0.0126 U	0.0351	0.0108	0.0566	0.00 - 0.50
5A-00189	30231	Eu-152	0.017 KR	0.031	0.011	0.0566	1.00 - 5.00
5A-00189	30230	Np-236	-0.0196 U J	0.0209	0.0078	0.047	0.00 - 0.50
5A-00189	30231	Np-236	0.0037 U	0.026	0.008	0.047	1.00 - 5.00
5A-00189	30230	Am-241	0.0071	0.0158	0.0051	0.0454	0.00 - 0.50
5A-00189	30231	Am-241	0.0045	0.0066	0.0024	0.0454	1.00 - 5.00
5A-00189	30230	Pu-236	-0.0122 U	0.0426	0.0095	0.0448	0.00 - 0.50
5A-00189	30231	Pu-236	0.0004 U	0.0054	0.0011	0.0448	1.00 - 5.00
5A-00189	30230	Cm-243/244	0.0014 U	0.0161	0.0033	0.0443	0.00 - 0.50
5A-00189	30231	Cm-243/244	0.0027	0.0024	0.0016	0.0443	1.00 - 5.00
5A-00189	30230	Ho-166m	-0.003 U	0.023	0.0068	0.0432	0.00 - 0.50
5A-00189	30231	Ho-166m	0.0133 SK	0.014	0.0047	0.0432	1.00 - 5.00
5A-00189	30230	Pu-238	0.0021 U	0.0353	0.0092	0.0415	0.00 - 0.50
5A-00189	30231	Pu-238	-0.0002 U	0.0089	0.002	0.0415	1.00 - 5.00
5A-00189	30230	Pu-239/240	0.0042 U	0.0227	0.006	0.0404	0.00 - 0.50
5A-00189	30231	Pu-239/240	0.0016	0.0021	0.0011	0.0404	1.00 - 5.00
5A-00189	30231	Cm-245/246	0 U	0.0026	0.001	0.0401	1.00 - 5.00
5A-00189	30230	Na-22	0.0021 U	0.0227	0.0066	0.037	0.00 - 0.50
5A-00189	30231	Na-22	-0.0018 U J	0.02	0.006	0.037	1.00 - 5.00
5A-00189	30230	Pu-244	0.0105	0.0155	0.0056	0.0313	0.00 - 0.50
5A-00189	30231	Pu-244	0.0031	0.0021	0.0016	0.0313	1.00 - 5.00
5A-00189	30231	Cm-247/248	0.001 U	0.0026	0.001	0.0306	1.00 - 5.00
5A-00189	30230	Co-60	0.0012 U	0.0182	0.0053	0.028	0.00 - 0.50
5A-00189	30231	Co-60	0.0014 U	0.015	0.0033	0.028	1.00 - 5.00
5A-00189	30230	Sn-126	-0.0018 U	0.0152	0.0044	0.0237	0.00 - 0.50
5A-00189	30231	Sn-126	0.0001 U	0.011	0.0032	0.0237	1.00 - 5.00
5A-00189	30230	Nb-94	0.0018 U	0.0132	0.0038	0.0214	0.00 - 0.50
5A-00189	30231	Nb-94	0.0084 JSK	0.0083	0.0026	0.0214	1.00 - 5.00
5A-00191	30233	Cd-113m	-7.71 U	78.3	24.3	3030	0.00 - 0.50
5A-00191	30233	Tm-171	-3.86 U	8.18	3.02	72.4	0.00 - 0.50
5A-00191	30233	K-40	22	0.0688	1.25	32.4	0.00 - 0.50
5A-00191	30233	Th-228	0.778	0.061	0.0928	3.98	0.00 - 0.50
5A-00191	30233	Th-234	1	0.173	0.0926	3.19	0.00 - 0.50
5A-00191	30233	Th-232	0.671	0.0182	0.0775	3.1	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00191	30233	Pb-212	1.12	0.0226	0.0705	2.69	0.00 - 0.50
5A-00191	30233	Th-230	0.538	0.0625	0.0691	2.2	0.00 - 0.50
5A-00191	30233	Bi-212	0.695	0.0938	0.0541	2.15	0.00 - 0.50
5A-00191	30233	U-233/234	0.508	0.051	0.0601	2.02	0.00 - 0.50
5A-00191	30233	U-238	0.581	0.0115	0.0647	1.8	0.00 - 0.50
5A-00191	30233	Pb-214	0.64	0.0204	0.0318	1.7	0.00 - 0.50
5A-00191	30233	Bi-214	0.597	0.0182	0.0283	1.59	0.00 - 0.50
5A-00191	30233	Tl-208	0.344	0.0118	0.0197	0.937	0.00 - 0.50
5A-00191	30233	Pa-231	0.0184 U	0.483	0.15	0.936	0.00 - 0.50
5A-00191	30233	Sr-90	0.0183 U K	0.125	0.0349	0.485	0.00 - 0.50
5A-00191	30233	Sb-125	0.0042 U	0.0293	0.0089	0.354	0.00 - 0.50
5A-00191	30233	Eu-155	0.0501 SK	0.043	0.0154	0.231	0.00 - 0.50
5A-00191	30233	Ac-227	-0.0241 U	0.116	0.0352	0.217	0.00 - 0.50
5A-00191	30233	Cs-137	0.0378	0.0108	0.0052	0.207	0.00 - 0.50
5A-00191	30233	U-235/236	0.0157	0.0386	0.0118	0.151	0.00 - 0.50
5A-00191	30233	Eu-154	0.0309 U	0.0642	0.0226	0.15	0.00 - 0.50
5A-00191	30233	Th-229	0 U	0.0726	0.0165	0.145	0.00 - 0.50
5A-00191	30233	Np-239	-0.039 U	0.0757	0.0246	0.139	0.00 - 0.50
5A-00191	30233	Cs-134	0.0001 U	0.0106	0.0036	0.0864	0.00 - 0.50
5A-00191	30233	Eu-152	0.0093 U	0.0292	0.0102	0.0566	0.00 - 0.50
5A-00191	30233	Np-236	-0.0182 U J	0.0216	0.0077	0.047	0.00 - 0.50
5A-00191	30233	Am-241	0.0028 U	0.0191	0.0045	0.0454	0.00 - 0.50
5A-00191	30233	Pu-236	-0.0031 U	0.0485	0.0118	0.0448	0.00 - 0.50
5A-00191	30233	Cm-243/244	0 U	0.0195	0.0036	0.0443	0.00 - 0.50
5A-00191	30233	Ho-166m	0.003 U	0.0158	0.0046	0.0432	0.00 - 0.50
5A-00191	30233	Pu-238	-0.008 U	0.058	0.0147	0.0415	0.00 - 0.50
5A-00191	30233	Pu-239/240	-0.0026 U	0.0317	0.007	0.0404	0.00 - 0.50
5A-00191	30233	Na-22	-0.0075 U	0.0146	0.0056	0.037	0.00 - 0.50
5A-00191	30233	Pu-244	-0.0026 U	0.0194	0.0037	0.0313	0.00 - 0.50
5A-00191	30233	Co-60	-0.0017 U	0.0118	0.0036	0.028	0.00 - 0.50
5A-00191	30233	Sn-126	0.0026 U	0.0103	0.0031	0.0237	0.00 - 0.50
5A-00191	30233	Nb-94	0.0027 U	0.0093	0.0028	0.0214	0.00 - 0.50
5A-00194	30236	Cd-113m	-36 U	86.9	29.2	3030	0.00 - 0.50
5A-00194	30236	Tm-171	-9.91 U	11.6	5.07	72.4	0.00 - 0.50
5A-00194	30236	K-40	17.9	0.0826	1.17	32.4	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00194	30236	Th-228	0.768	0.051	0.0855	3.98	0.00 - 0.50
5A-00194	30236	Th-234	0.981	0.203	0.105	3.19	0.00 - 0.50
5A-00194	30236	Th-232	0.601	0.0522	0.0683	3.1	0.00 - 0.50
5A-00194	30236	Pb-212	1.18	0.0255	0.0782	2.69	0.00 - 0.50
5A-00194	30236	Th-230	0.467	0.0415	0.0583	2.2	0.00 - 0.50
5A-00194	30236	Bi-212	0.664	0.0988	0.0647	2.15	0.00 - 0.50
5A-00194	30236	U-233/234	0.489	0.0497	0.0634	2.02	0.00 - 0.50
5A-00194	30236	U-238	0.567	0.0394	0.0694	1.8	0.00 - 0.50
5A-00194	30236	Pb-214	0.714	0.0212	0.0361	1.7	0.00 - 0.50
5A-00194	30236	Bi-214	0.604	0.018	0.0285	1.59	0.00 - 0.50
5A-00194	30236	Tl-208	0.332	0.0121	0.0187	0.937	0.00 - 0.50
5A-00194	30236	Pa-231	-0.0119 U	0.519	0.18	0.936	0.00 - 0.50
5A-00194	30236	Sr-90	-0.0069 U K	0.115	0.0304	0.485	0.00 - 0.50
5A-00194	30236	Sb-125	0.0082 U	0.0313	0.0096	0.354	0.00 - 0.50
5A-00194	30236	Eu-155	0.0657 SK	0.0484	0.0191	0.231	0.00 - 0.50
5A-00194	30236	Ac-227	0.021 U	0.129	0.0389	0.217	0.00 - 0.50
5A-00194	30236	Cs-137	0.0174 J	0.0117	0.0055	0.207	0.00 - 0.50
5A-00194	30236	U-235/236	0.0066	0.0179	0.0066	0.151	0.00 - 0.50
5A-00194	30236	Eu-154	-0.0148 U	0.0645	0.0198	0.15	0.00 - 0.50
5A-00194	30236	Th-229	-0.0169 U	0.074	0.0149	0.145	0.00 - 0.50
5A-00194	30236	Np-239	0.0237 U	0.0877	0.0267	0.139	0.00 - 0.50
5A-00194	30236	Cs-134	-0.0012 U	0.0107	0.0037	0.0864	0.00 - 0.50
5A-00194	30236	Eu-152	-0.0118 U	0.0304	0.0127	0.0566	0.00 - 0.50
5A-00194	30236	Np-236	0.015 JSK	0.025	0.0128	0.047	0.00 - 0.50
5A-00194	30236	Am-241	-0.0015 U	0.016	0.0032	0.0454	0.00 - 0.50
5A-00194	30236	Pu-236	0.0287	0.0651	0.0198	0.0448	0.00 - 0.50
5A-00194	30236	Cm-243/244	-0.0015 U	0.0164	0.0033	0.0443	0.00 - 0.50
5A-00194	30236	Ho-166m	0.0032 U	0.0167	0.005	0.0432	0.00 - 0.50
5A-00194	30236	Pu-238	0.0213 U	0.0564	0.0167	0.0415	0.00 - 0.50
5A-00194	30236	Pu-239/240	0.0071 U	0.0464	0.0123	0.0404	0.00 - 0.50
5A-00194	30236	Na-22	-0.0078 U	0.0145	0.0047	0.037	0.00 - 0.50
5A-00194	30236	Pu-244	0.0177	0.0328	0.0107	0.0313	0.00 - 0.50
5A-00194	30236	Co-60	-0.0013 U	0.0117	0.0035	0.028	0.00 - 0.50
5A-00194	30236	Sn-126	-0.0023 U	0.0105	0.0032	0.0237	0.00 - 0.50
5A-00194	30236	Nb-94	0.0029 U	0.0096	0.0029	0.0214	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00195	30237	Cd-113m	-46.4 U	92.2	31	3030	0.00 - 0.50
5A-00195	30237	Tm-171	-1.15 U	10.3	3.61	72.4	0.00 - 0.50
5A-00195	30237	K-40	23.5	0.0897	1.33	32.4	0.00 - 0.50
5A-00195	30237	Th-228	1.36	0.0516	0.124	3.98	0.00 - 0.50
5A-00195	30237	Th-234	1.6	0.201	0.132	3.19	0.00 - 0.50
5A-00195	30237	Th-232	1.02	0.0154	0.0952	3.1	0.00 - 0.50
5A-00195	30237	Pb-212	1.73	0.0275	0.108	2.69	0.00 - 0.50
5A-00195	30237	Th-230	0.798	0.0614	0.0823	2.2	0.00 - 0.50
5A-00195	30237	Bi-212	0.966	0.112	0.077	2.15	0.00 - 0.50
5A-00195	30237	U-233/234	0.874	0.0334	0.0892	2.02	0.00 - 0.50
5A-00195	30237	U-238	0.802	0.0334	0.0837	1.8	0.00 - 0.50
5A-00195	30237	Pb-214	1.04	0.0241	0.0505	1.7	0.00 - 0.50
5A-00195	30237	Bi-214	0.896	0.021	0.0407	1.59	0.00 - 0.50
5A-00195	30237	Tl-208	0.522	0.0133	0.0288	0.937	0.00 - 0.50
5A-00195	30237	Pa-231	-0.289 U	0.555	0.188	0.936	0.00 - 0.50
5A-00195	30237	Sr-90	-0.0233 U K	0.103	0.0246	0.485	0.00 - 0.50
5A-00195	30237	Sb-125	-0.0019 U	0.0353	0.0107	0.354	0.00 - 0.50
5A-00195	30237	Eu-155	0.0865 SK	0.0512	0.021	0.231	0.00 - 0.50
5A-00195	30237	Ac-227	-0.0293 U	0.139	0.0424	0.217	0.00 - 0.50
5A-00195	30237	Cs-137	0.0252	0.0113	0.0054	0.207	0.00 - 0.50
5A-00195	30237	U-235/236	0.0392	0.0412	0.017	0.151	0.00 - 0.50
5A-00195	30237	Eu-154	0.0117 U	0.0736	0.0252	0.15	0.00 - 0.50
5A-00195	30237	Th-229	-0.0171 U	0.0952	0.0221	0.145	0.00 - 0.50
5A-00195	30237	Np-239	0.0473 J	0.0945	0.03	0.139	0.00 - 0.50
5A-00195	30237	Cs-134	-0.0024 U	0.0121	0.0041	0.0864	0.00 - 0.50
5A-00195	30237	Eu-152	-0.0086 U	0.0342	0.0114	0.0566	0.00 - 0.50
5A-00195	30237	Np-236	-0.0054 U	0.0265	0.0079	0.047	0.00 - 0.50
5A-00195	30237	Am-241	0.0096	0.0153	0.0057	0.0454	0.00 - 0.50
5A-00195	30237	Pu-236	-0.0083 U	0.0288	0.005	0.0448	0.00 - 0.50
5A-00195	30237	Cm-243/244	-0.0014 U	0.0156	0.0031	0.0443	0.00 - 0.50
5A-00195	30237	Ho-166m	-0.0102 U	0.0187	0.0061	0.0432	0.00 - 0.50
5A-00195	30237	Pu-238	-0.0108 L U	0.0291	0.0051	0.0415	0.00 - 0.50
5A-00195	30237	Pu-239/240	0.0074	0.0067	0.0043	0.0404	0.00 - 0.50
5A-00195	30237	Na-22	-0.0083 U	0.0162	0.0054	0.037	0.00 - 0.50
5A-00195	30237	Pu-244	0.0099	0.0067	0.005	0.0313	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00195	30237	Co-60	0.0092 J	0.0139	0.0046	0.028	0.00 - 0.50
5A-00195	30237	Sn-126	-0.0051 U	0.0122	0.0038	0.0237	0.00 - 0.50
5A-00195	30237	Nb-94	0.0035 U	0.0114	0.0034	0.0214	0.00 - 0.50
5A-00196	30238	Cd-113m	40.4 U J	108	34	3030	0.00 - 0.50
5A-00196	30238	Tm-171	-2.19 U	13.8	4.57	72.4	0.00 - 0.50
5A-00196	30238	K-40	26.3	0.115	1.6	32.4	0.00 - 0.50
5A-00196	30238	Th-228	1.34	0.121	0.133	3.98	0.00 - 0.50
5A-00196	30238	Th-234	1.66	0.237	0.154	3.19	0.00 - 0.50
5A-00196	30238	Th-232	1.21	0.0174	0.112	3.1	0.00 - 0.50
5A-00196	30238	Pb-212	1.84	0.0311	0.109	2.69	0.00 - 0.50
5A-00196	30238	Th-230	0.984	0.0174	0.0976	2.2	0.00 - 0.50
5A-00196	30238	Bi-212	1.08	0.135	0.0873	2.15	0.00 - 0.50
5A-00196	30238	U-233/234	0.985	0.0581	0.0995	2.02	0.00 - 0.50
5A-00196	30238	U-238	0.934	0.0299	0.0948	1.8	0.00 - 0.50
5A-00196	30238	Pb-214	1.13	0.0274	0.0533	1.7	0.00 - 0.50
5A-00196	30238	Bi-214	1.01	0.0243	0.0462	1.59	0.00 - 0.50
5A-00196	30238	Tl-208	0.585	0.0165	0.0317	0.937	0.00 - 0.50
5A-00196	30238	Pa-231	-0.17 U	0.64	0.195	0.936	0.00 - 0.50
5A-00196	30238	Sr-90	-0.0538 U K	0.117	0.0283	0.485	0.00 - 0.50
5A-00196	30238	Sb-125	0.0168 U	0.0419	0.0131	0.354	0.00 - 0.50
5A-00196	30238	Eu-155	0.098 SK	0.0575	0.0227	0.231	0.00 - 0.50
5A-00196	30238	Ac-227	-0.0049 U	0.156	0.0461	0.217	0.00 - 0.50
5A-00196	30238	Cs-137	0.0312	0.0146	0.0052	0.207	0.00 - 0.50
5A-00196	30238	U-235/236	0.057	0.0525	0.0217	0.151	0.00 - 0.50
5A-00196	30238	Eu-154	0.0293 U	0.0937	0.032	0.15	0.00 - 0.50
5A-00196	30238	Th-229	-0.0129 U	0.0774	0.0158	0.145	0.00 - 0.50
5A-00196	30238	Np-239	-0.0277 U	0.102	0.0307	0.139	0.00 - 0.50
5A-00196	30238	Cs-134	-0.0041 U	0.0139	0.0049	0.0864	0.00 - 0.50
5A-00196	30238	Eu-152	-0.0104 U	0.0393	0.0125	0.0566	0.00 - 0.50
5A-00196	30238	Np-236	-0.0189 U	0.0288	0.0103	0.047	0.00 - 0.50
5A-00196	30238	Am-241	0.0028 U	0.0102	0.0028	0.0454	0.00 - 0.50
5A-00196	30238	Pu-236	0.003 U	0.0141	0.0037	0.0448	0.00 - 0.50
5A-00196	30238	Cm-243/244	0.0057	0.0132	0.004	0.0443	0.00 - 0.50
5A-00196	30238	Ho-166m	-0.0096 U	0.0219	0.007	0.0432	0.00 - 0.50
5A-00196	30238	Pu-238	0 U	0.0141	0.0032	0.0415	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00196	30238	Pu-239/240	0.0078	0.0035	0.0032	0.0404	0.00 - 0.50
5A-00196	30238	Na-22	-0.0088 U	0.0218	0.007	0.037	0.00 - 0.50
5A-00196	30238	Pu-244	0.0039	0.0035	0.0023	0.0313	0.00 - 0.50
5A-00196	30238	Co-60	-0.002 U	0.0178	0.0054	0.028	0.00 - 0.50
5A-00196	30238	Sn-126	-0.0048 U	0.0143	0.0045	0.0237	0.00 - 0.50
5A-00196	30238	Nb-94	0.0011 U	0.0133	0.0039	0.0214	0.00 - 0.50
5A-00197	30239	Cd-113m	24.5 U J	149	50	3030	0.00 - 0.50
5A-00197	30240	Cd-113m	-2 U	42	12	3030	1.00 - 5.00
5A-00197	30239	Tm-171	1.87 U	15.4	5.18	72.4	0.00 - 0.50
5A-00197	30240	Tm-171	-1.9 U J	6.9	2.1	72.4	1.00 - 5.00
5A-00197	30239	K-40	25.1	0.177	1.43	32.4	0.00 - 0.50
5A-00197	30240	K-40	22.1	0.2	1.1	32.4	1.00 - 5.00
5A-00197	30239	Th-228	1.44	0.0971	0.138	3.98	0.00 - 0.50
5A-00197	30240	Th-228	1.22	0.016	0.061	3.98	1.00 - 5.00
5A-00197	30239	Th-234	1.65	0.287	0.164	3.19	0.00 - 0.50
5A-00197	30240	Th-234	0.511 R	0.18	0.062	3.19	1.00 - 5.00
5A-00197	30239	Th-232	1.15	0.0472	0.109	3.1	0.00 - 0.50
5A-00197	30240	Th-232	1.23	0.008	0.061	3.1	1.00 - 5.00
5A-00197	30239	Pb-212	2	0.0466	0.117	2.69	0.00 - 0.50
5A-00197	30240	Pb-212	1.61	0.026	0.079	2.69	1.00 - 5.00
5A-00197	30239	Th-230	0.953	0.0598	0.0966	2.2	0.00 - 0.50
5A-00197	30240	Th-230	0.979	0.01	0.051	2.2	1.00 - 5.00
5A-00197	30239	Bi-212	1.21	0.198	0.127	2.15	0.00 - 0.50
5A-00197	30240	Bi-212	0.96	0.17	0.11	2.15	1.00 - 5.00
5A-00197	30239	U-233/234	0.931	0.0378	0.102	2.02	0.00 - 0.50
5A-00197	30240	U-233/234	0.688	0.009	0.039	2.02	1.00 - 5.00
5A-00197	30239	U-238	0.841	0.0536	0.095	1.8	0.00 - 0.50
5A-00197	30240	U-238	0.8	0.007	0.044	1.8	1.00 - 5.00
5A-00197	30239	Pb-214	1.35	0.0406	0.0635	1.7	0.00 - 0.50
5A-00197	30240	Pb-214	1.07	0.03	0.062	1.7	1.00 - 5.00
5A-00197	30239	Bi-214	1.19	0.0379	0.0585	1.59	0.00 - 0.50
5A-00197	30240	Bi-214	0.959	0.034	0.052	1.59	1.00 - 5.00
5A-00197	30239	Tl-208	0.62	0.0249	0.0374	0.937	0.00 - 0.50
5A-00197	30240	Tl-208	0.522	0.018	0.028	0.937	1.00 - 5.00
5A-00197	30239	Pa-231	0.0749 U	0.919	0.294	0.936	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00197	30240	Pa-231	0.09 U	0.62	0.15	0.936	1.00 - 5.00
5A-00197	30239	Sr-90	0.088 K	0.115	0.0377	0.485	0.00 - 0.50
5A-00197	30240	Sr-90	-0.001 U	0.05	0.014	0.485	1.00 - 5.00
5A-00197	30239	Sb-125	-0.0125 U	0.0599	0.0185	0.354	0.00 - 0.50
5A-00197	30240	Sb-125	0.12 SK	0.038	0.011	0.354	1.00 - 5.00
5A-00197	30239	Eu-155	0.162 SK	0.0725	0.0372	0.231	0.00 - 0.50
5A-00197	30240	Eu-155	0.06 L	0.045	0.014	0.231	1.00 - 5.00
5A-00197	30239	Ac-227	-0.135 U	0.215	0.0808	0.217	0.00 - 0.50
5A-00197	30240	Ac-227	0.128	0.11	0.035	0.217	1.00 - 5.00
5A-00197	30239	Cs-137	0.0204 J	0.0243	0.0091	0.207	0.00 - 0.50
5A-00197	30240	Cs-137	0.0025 U	0.017	0.0052	0.207	1.00 - 5.00
5A-00197	30239	U-235/236	0.0387	0.0467	0.0189	0.151	0.00 - 0.50
5A-00197	30240	U-235/236	0.0319	0.009	0.0066	0.151	1.00 - 5.00
5A-00197	30239	Eu-154	-0.0022 U	0.136	0.0477	0.15	0.00 - 0.50
5A-00197	30240	Eu-154	-0.034 U	0.11	0.032	0.15	1.00 - 5.00
5A-00197	30239	Th-229	0.0194 U	0.0775	0.0214	0.145	0.00 - 0.50
5A-00197	30240	Th-229	0.0105	0.0028	0.0033	0.145	1.00 - 5.00
5A-00197	30239	Np-239	-0.06 U	0.138	0.0435	0.139	0.00 - 0.50
5A-00197	30240	Np-239	0.0004 U	0.082	0.025	0.139	1.00 - 5.00
5A-00197	30239	Cs-134	0.001 U	0.022	0.0074	0.0864	0.00 - 0.50
5A-00197	30240	Cs-134	0.014 U	0.055	0.0048	0.0864	1.00 - 5.00
5A-00197	30240	Te-125m	0.0278 SK	0.0088	0.0025	0.0838	1.00 - 5.00
5A-00197	30239	Eu-152	-0.0301 U	0.0572	0.0203	0.0566	0.00 - 0.50
5A-00197	30240	Eu-152	0.027	0.033	0.019	0.0566	1.00 - 5.00
5A-00197	30239	Np-236	-0.0016 U	0.0376	0.0121	0.047	0.00 - 0.50
5A-00197	30240	Np-236	-0.006 U	0.033	0.01	0.047	1.00 - 5.00
5A-00197	30239	Am-241	0.0031 U	0.0142	0.0038	0.0454	0.00 - 0.50
5A-00197	30240	Am-241	0.0015 U	0.0054	0.0015	0.0454	1.00 - 5.00
5A-00197	30239	Pu-236	-0.0015 U	0.0156	0.0032	0.0448	0.00 - 0.50
5A-00197	30239	Cm-243/244	-0.0031 U	0.0168	0.0031	0.0443	0.00 - 0.50
5A-00197	30240	Cm-243/244	-0.0022 U	0.008	0.0013	0.0443	1.00 - 5.00
5A-00197	30239	Ho-166m	0.0043 U	0.0347	0.0102	0.0432	0.00 - 0.50
5A-00197	30240	Ho-166m	0.0051 U	0.028	0.0099	0.0432	1.00 - 5.00
5A-00197	30239	Pu-238	0.0013 U	0.0165	0.0042	0.0415	0.00 - 0.50
5A-00197	30240	Pu-238	0.0047	0.0044	0.002	0.0415	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00197	30239	Pu-239/240	-0.0013 U	0.0116	0.0022	0.0404	0.00 - 0.50
5A-00197	30240	Pu-239/240	0.0037	0.002	0.0017	0.0404	1.00 - 5.00
5A-00197	30240	Cm-245/246	0.0022 U	0.0082	0.0022	0.0401	1.00 - 5.00
5A-00197	30239	Na-22	0.002 U	0.0317	0.0092	0.037	0.00 - 0.50
5A-00197	30240	Na-22	-0.0017 U	0.026	0.0076	0.037	1.00 - 5.00
5A-00197	30239	Pu-244	0.0113	0.0034	0.0038	0.0313	0.00 - 0.50
5A-00197	30240	Pu-244	0.0073	0.002	0.0023	0.0313	1.00 - 5.00
5A-00197	30240	Cm-247/248	0.0022 U	0.003	0.0016	0.0306	1.00 - 5.00
5A-00197	30239	Co-60	0.0077 U	0.0256	0.0075	0.028	0.00 - 0.50
5A-00197	30240	Co-60	-0.0065 U	0.019	0.0057	0.028	1.00 - 5.00
5A-00197	30239	Sn-126	-0.0127 U	0.0218	0.0073	0.0237	0.00 - 0.50
5A-00197	30240	Sn-126	0.0041 U	0.018	0.0053	0.0237	1.00 - 5.00
5A-00197	30239	Nb-94	0.0178 JSK	0.0214	0.0073	0.0214	0.00 - 0.50
5A-00197	30240	Nb-94	0.0087 SK	0.015	0.0047	0.0214	1.00 - 5.00
5A-00198	30241	Cd-113m	-5 U	36	11	3030	1.00 - 4.00
5A-00198	30241	Tm-171	-7.6 U J	4.8	1.8	72.4	1.00 - 4.00
5A-00198	30241	K-40	21.4	0.1	1.1	32.4	1.00 - 4.00
5A-00198	30241	Th-228	1.55	0.014	0.076	3.98	1.00 - 4.00
5A-00198	30241	Th-234	1.8 R	0.14	0.12	3.19	1.00 - 4.00
5A-00198	30241	Th-232	1.57	0.009	0.077	3.1	1.00 - 4.00
5A-00198	30241	Pb-212	1.85	0.02	0.12	2.69	1.00 - 4.00
5A-00198	30241	Th-230	1.22	0.009	0.062	2.2	1.00 - 4.00
5A-00198	30241	Bi-212	1.13	0.098	0.078	2.15	1.00 - 4.00
5A-00198	30241	U-233/234	0.711	0.007	0.039	2.02	1.00 - 4.00
5A-00198	30241	U-238	0.678	0.008	0.038	1.8	1.00 - 4.00
5A-00198	30241	Pb-214	1.09	0.024	0.059	1.7	1.00 - 4.00
5A-00198	30241	Bi-214	0.92	0.02	0.049	1.59	1.00 - 4.00
5A-00198	30241	Tl-208	0.536	0.015	0.029	0.937	1.00 - 4.00
5A-00198	30241	Pa-231	-0.02 U	0.52	0.16	0.936	1.00 - 4.00
5A-00198	30241	Sr-90	-0.022 U	0.043	0.011	0.485	1.00 - 4.00
5A-00198	30241	Sb-125	0.141 SK	0.034	0.011	0.354	1.00 - 4.00
5A-00198	30241	Eu-155	0.084 SK	0.031	0.013	0.231	1.00 - 4.00
5A-00198	30241	Ac-227	0.362 RZ	0.11	0.024	0.217	1.00 - 4.00
5A-00198	30241	Cs-137	0.0007 U	0.014	0.004	0.207	1.00 - 4.00
5A-00198	30241	U-235/236	0.0352	0.0031	0.0065	0.151	1.00 - 4.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00198	30241	Eu-154	0.0059 U	0.085	0.0072	0.15	1.00 - 4.00
5A-00198	30241	Th-229	0.019	0.0087	0.0051	0.145	1.00 - 4.00
5A-00198	30241	Np-239	-0.009 U	0.08	0.024	0.139	1.00 - 4.00
5A-00198	30241	Cs-134	0.0141 U	0.043	0.0036	0.0864	1.00 - 4.00
5A-00198	30241	Te-125m	0.0326 SK	0.0078	0.0026	0.0838	1.00 - 4.00
5A-00198	30241	Eu-152	0.0084 U	0.034	0.0057	0.0566	1.00 - 4.00
5A-00198	30241	Np-236	0.0078 U	0.028	0.0085	0.047	1.00 - 4.00
5A-00198	30241	Am-241	-0.0013 U	0.0061	0.0009	0.0454	1.00 - 4.00
5A-00198	30241	Cm-243/244	-0.0007 U	0.0062	0.0012	0.0443	1.00 - 4.00
5A-00198	30241	Ho-166m	0.0145 SK	0.021	0.0065	0.0432	1.00 - 4.00
5A-00198	30241	Pu-238	0.0026	0.005	0.0017	0.0415	1.00 - 4.00
5A-00198	30241	Pu-239/240	0.0003 U	0.0041	0.0008	0.0404	1.00 - 4.00
5A-00198	30241	Cm-245/246	0 U	0.011	0.0026	0.0401	1.00 - 4.00
5A-00198	30241	Na-22	0.0007 U	0.021	0.0061	0.037	1.00 - 4.00
5A-00198	30241	Pu-244	0.003	0.0041	0.0016	0.0313	1.00 - 4.00
5A-00198	30241	Cm-247/248	0 U	0.0076	0.0015	0.0306	1.00 - 4.00
5A-00198	30241	Co-60	0.0035 U	0.015	0.0033	0.028	1.00 - 4.00
5A-00198	30241	Sn-126	0.0003 U	0.014	0.0041	0.0237	1.00 - 4.00
5A-00198	30241	Nb-94	0.0046 U	0.012	0.0036	0.0214	1.00 - 4.00
5A-00199	30242	Cd-113m	5 U	43	13	3030	1.00 - 3.50
5A-00199	30242	Tm-171	0.03 U J	6.2	1.9	72.4	1.00 - 3.50
5A-00199	30242	K-40	19.1	0.15	0.94	32.4	1.00 - 3.50
5A-00199	30242	Th-228	1.35	0.016	0.068	3.98	1.00 - 3.50
5A-00199	30242	Th-234	1.8 R	0.16	0.12	3.19	1.00 - 3.50
5A-00199	30242	Th-232	1.34	0.003	0.067	3.1	1.00 - 3.50
5A-00199	30242	Pb-212	1.67	0.024	0.094	2.69	1.00 - 3.50
5A-00199	30242	Th-230	1.31	0.003	0.066	2.2	1.00 - 3.50
5A-00199	30242	Bi-212	1.05	0.16	0.1	2.15	1.00 - 3.50
5A-00199	30242	U-233/234	1.09	0.016	0.059	2.02	1.00 - 3.50
5A-00199	30242	U-238	1.08	0.003	0.058	1.8	1.00 - 3.50
5A-00199	30242	Pb-214	1.16	0.027	0.06	1.7	1.00 - 3.50
5A-00199	30242	Bi-214	1.06	0.03	0.056	1.59	1.00 - 3.50
5A-00199	30242	Tl-208	0.495	0.019	0.027	0.937	1.00 - 3.50
5A-00199	30242	Pa-231	0.18 U	0.52	0.16	0.936	1.00 - 3.50
5A-00199	30242	Sr-90	-0.003 U	0.044	0.012	0.485	1.00 - 3.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00199	30242	Sb-125	0.148 SK	0.05	0.013	0.354	1.00 - 3.50
5A-00199	30242	Eu-155	0.071 SK	0.036	0.014	0.231	1.00 - 3.50
5A-00199	30242	Ac-227	0.059 U	0.15	0.05	0.217	1.00 - 3.50
5A-00199	30242	Cs-137	0.0019 U	0.019	0.007	0.207	1.00 - 3.50
5A-00199	30242	U-235/236	0.07	0.011	0.011	0.151	1.00 - 3.50
5A-00199	30242	Eu-154	0.0048 U	0.1	0.0074	0.15	1.00 - 3.50
5A-00199	30242	Th-229	0.0095	0.0089	0.0038	0.145	1.00 - 3.50
5A-00199	30242	Np-239	0.036 U	0.095	0.029	0.139	1.00 - 3.50
5A-00199	30242	Cs-134	0.019 SK	0.037	0.0048	0.0864	1.00 - 3.50
5A-00199	30242	Te-125m	0.0343 SK	0.011	0.0031	0.0838	1.00 - 3.50
5A-00199	30242	Eu-152	0.022	0.04	0.018	0.0566	1.00 - 3.50
5A-00199	30242	Np-236	-0.0005 U	0.031	0.0095	0.047	1.00 - 3.50
5A-00199	30242	Am-241	0.0014 U	0.0019	0.001	0.0454	1.00 - 3.50
5A-00199	30242	Cm-243/244	-0.0007 U	0.0066	0.0012	0.0443	1.00 - 3.50
5A-00199	30242	Ho-166m	0.0197 SK	0.028	0.0059	0.0432	1.00 - 3.50
5A-00199	30242	Pu-238	0.0036	0.002	0.0016	0.0415	1.00 - 3.50
5A-00199	30242	Pu-239/240	0.0022	0.002	0.0013	0.0404	1.00 - 3.50
5A-00199	30242	Cm-245/246	0.0069	0.0093	0.0036	0.0401	1.00 - 3.50
5A-00199	30242	Na-22	0.0038 U	0.025	0.0076	0.037	1.00 - 3.50
5A-00199	30242	Pu-244	0.0014	0.002	0.001	0.0313	1.00 - 3.50
5A-00199	30242	Cm-247/248	0 U	0.0042	0.0009	0.0306	1.00 - 3.50
5A-00199	30242	Co-60	0.0059 U	0.02	0.005	0.028	1.00 - 3.50
5A-00199	30242	Sn-126	-0.001 U	0.018	0.0055	0.0237	1.00 - 3.50
5A-00199	30242	Nb-94	0.0037 U	0.016	0.0048	0.0214	1.00 - 3.50
5A-00200	30243	Cd-113m	-4 U	36	11	3030	1.00 - 5.00
5A-00200	30243	Tm-171	0.3 U J	4.6	1.4	72.4	1.00 - 5.00
5A-00200	30243	K-40	18.4	0.17	0.94	32.4	1.00 - 5.00
5A-00200	30243	Th-228	1.32	0.013	0.067	3.98	1.00 - 5.00
5A-00200	30243	Th-234	1.44 R	0.14	0.1	3.19	1.00 - 5.00
5A-00200	30243	Th-232	1.32	0.003	0.067	3.1	1.00 - 5.00
5A-00200	30243	Pb-212	1.61	0.02	0.11	2.69	1.00 - 5.00
5A-00200	30243	Th-230	1.07	0.011	0.056	2.2	1.00 - 5.00
5A-00200	30243	Bi-212	1.06	0.12	0.086	2.15	1.00 - 5.00
5A-00200	30243	U-233/234	0.636	0.008	0.036	2.02	1.00 - 5.00
5A-00200	30243	U-238	0.625	0.01	0.035	1.8	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00200	30243	Pb-214	0.954	0.023	0.052	1.7	1.00 - 5.00
5A-00200	30243	Bi-214	0.826	0.022	0.045	1.59	1.00 - 5.00
5A-00200	30243	Tl-208	0.485	0.015	0.027	0.937	1.00 - 5.00
5A-00200	30243	Pa-231	0.09 U	0.51	0.15	0.936	1.00 - 5.00
5A-00200	30243	Sr-90	-0.0005 U	0.041	0.011	0.485	1.00 - 5.00
5A-00200	30243	Sb-125	0.149 SK	0.036	0.012	0.354	1.00 - 5.00
5A-00200	30243	Eu-155	0.074 SK	0.031	0.013	0.231	1.00 - 5.00
5A-00200	30243	Ac-227	0.025 U	0.13	0.017	0.217	1.00 - 5.00
5A-00200	30243	Cs-137	0.0121	0.01	0.0047	0.207	1.00 - 5.00
5A-00200	30243	U-235/236	0.0279	0.012	0.0063	0.151	1.00 - 5.00
5A-00200	30243	Eu-154	-0.015 U	0.082	0.025	0.15	1.00 - 5.00
5A-00200	30243	Th-229	0 U	0.014	0.0032	0.145	1.00 - 5.00
5A-00200	30243	Np-239	0.018 U	0.078	0.024	0.139	1.00 - 5.00
5A-00200	30243	Cs-134	0.0008 U	0.047	0.014	0.0864	1.00 - 5.00
5A-00200	30243	Te-125m	0.0345 SK	0.0082	0.0027	0.0838	1.00 - 5.00
5A-00200	30243	Eu-152	0.0024 U	0.032	0.0097	0.0566	1.00 - 5.00
5A-00200	30243	Np-236	0 U	0.028	0.004	0.047	1.00 - 5.00
5A-00200	30243	Am-241	0.0048	0.0051	0.0021	0.0454	1.00 - 5.00
5A-00200	30243	Cm-243/244	0 U	0.0051	0.001	0.0443	1.00 - 5.00
5A-00200	30243	Ho-166m	0.0304 SK	0.014	0.0044	0.0432	1.00 - 5.00
5A-00200	30243	Pu-238	0.0002 U	0.0064	0.0013	0.0415	1.00 - 5.00
5A-00200	30243	Pu-239/240	0.0011 U	0.0045	0.0012	0.0404	1.00 - 5.00
5A-00200	30243	Cm-245/246	0.0018 U	0.0049	0.0018	0.0401	1.00 - 5.00
5A-00200	30243	Na-22	0.0003 U	0.019	0.0056	0.037	1.00 - 5.00
5A-00200	30243	Pu-244	0.0046	0.0021	0.0019	0.0313	1.00 - 5.00
5A-00200	30243	Cm-247/248	0.0007 U	0.01	0.0021	0.0306	1.00 - 5.00
5A-00200	30243	Co-60	0.0004 U	0.016	0.0004	0.028	1.00 - 5.00
5A-00200	30243	Sn-126	-0.0004 U	0.013	0.004	0.0237	1.00 - 5.00
5A-00200	30243	Nb-94	0.0036 U	0.012	0.0025	0.0214	1.00 - 5.00
5A-00201	30244	Cd-113m	-2.2 U	30	9.1	3030	1.00 - 2.50
5A-00201	30244	Tm-171	-3.3 U J	4.4	1.4	72.4	1.00 - 2.50
5A-00201	30244	K-40	18.4	0.14	0.94	32.4	1.00 - 2.50
5A-00201	30244	Th-228	1.28	0.017	0.064	3.98	1.00 - 2.50
5A-00201	30244	Th-234	1.22 R	0.12	0.087	3.19	1.00 - 2.50
5A-00201	30244	Th-232	1.18	0.008	0.059	3.1	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00201	30244	Pb-212	1.21	0.024	0.08	2.69	1.00 - 2.50
5A-00201	30244	Th-230	1.04	0.008	0.053	2.2	1.00 - 2.50
5A-00201	30244	Bi-212	0.833	0.099	0.071	2.15	1.00 - 2.50
5A-00201	30244	U-233/234	0.784	0.003	0.043	2.02	1.00 - 2.50
5A-00201	30244	U-238	0.723	0.003	0.04	1.8	1.00 - 2.50
5A-00201	30244	Pb-214	0.776	0.021	0.042	1.7	1.00 - 2.50
5A-00201	30244	Bi-214	0.714	0.019	0.039	1.59	1.00 - 2.50
5A-00201	30244	Tl-208	0.393	0.012	0.022	0.937	1.00 - 2.50
5A-00201	30244	Pa-231	0.05 U	0.42	0.13	0.936	1.00 - 2.50
5A-00201	30244	Sr-90	0.035	0.033	0.011	0.485	1.00 - 2.50
5A-00201	30244	Sb-125	0.121 JSK	0.023	0.01	0.354	1.00 - 2.50
5A-00201	30244	Eu-155	0.058 SK	0.027	0.011	0.231	1.00 - 2.50
5A-00201	30244	Ac-227	0.013 U	0.11	0.037	0.217	1.00 - 2.50
5A-00201	30244	Cs-137	-0.0064 U	0.011	0.0035	0.207	1.00 - 2.50
5A-00201	30244	U-235/236	0.032	0.0032	0.0063	0.151	1.00 - 2.50
5A-00201	30244	Eu-154	-0.02 U	0.073	0.022	0.15	1.00 - 2.50
5A-00201	30244	Th-229	0.0064	0.0068	0.0028	0.145	1.00 - 2.50
5A-00201	30244	Np-239	0.042 K R	0.053	0.021	0.139	1.00 - 2.50
5A-00201	30244	Cs-134	0.0109 SK	0.005	0.0032	0.0864	1.00 - 2.50
5A-00201	30244	Te-125m	0.0281 JSK	0.0053	0.0023	0.0838	1.00 - 2.50
5A-00201	30244	Eu-152	0.016 K R	0.021	0.011	0.0566	1.00 - 2.50
5A-00201	30244	Np-236	-0.0042 U	0.024	0.0071	0.047	1.00 - 2.50
5A-00201	30244	Am-241	0.0015 U	0.002	0.0011	0.0454	1.00 - 2.50
5A-00201	30244	Cm-243/244	0.0015 U	0.007	0.0019	0.0443	1.00 - 2.50
5A-00201	30244	Ho-166m	0.0071 U R	0.018	0.0037	0.0432	1.00 - 2.50
5A-00201	30244	Pu-238	0.0033	0.0045	0.0017	0.0415	1.00 - 2.50
5A-00201	30244	Pu-239/240	0.0013 U	0.0054	0.0014	0.0404	1.00 - 2.50
5A-00201	30244	Cm-245/246	0.003	0.004	0.0021	0.0401	1.00 - 2.50
5A-00201	30244	Na-22	-0.0003 U	0.018	0.0055	0.037	1.00 - 2.50
5A-00201	30244	Pu-244	0.003	0.002	0.0015	0.0313	1.00 - 2.50
5A-00201	30244	Cm-247/248	0.0015 U	0.004	0.0015	0.0306	1.00 - 2.50
5A-00201	30244	Co-60	-0.0033 U	0.013	0.0039	0.028	1.00 - 2.50
5A-00201	30244	Sn-126	0.0004 U	0.01	0.003	0.0237	1.00 - 2.50
5A-00201	30244	Nb-94	0.005 SK	0.0096	0.0029	0.0214	1.00 - 2.50
5A-00202	30245	Cd-113m	6.7 U	31	9.5	3030	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00202	30245	Tm-171	3.9 J	4.9	1.5	72.4	1.00 - 4.00
5A-00202	30245	K-40	20.4	0.1	1	32.4	1.00 - 4.00
5A-00202	30245	Th-228	1.37	0.017	0.067	3.98	1.00 - 4.00
5A-00202	30245	Th-234	1.55 R	0.13	0.1	3.19	1.00 - 4.00
5A-00202	30245	Th-232	1.38	0.002	0.067	3.1	1.00 - 4.00
5A-00202	30245	Pb-212	1.62	0.02	0.11	2.69	1.00 - 4.00
5A-00202	30245	Th-230	1.07	0.006	0.054	2.2	1.00 - 4.00
5A-00202	30245	Bi-212	1.08	0.1	0.082	2.15	1.00 - 4.00
5A-00202	30245	U-233/234	0.863	0.01	0.047	2.02	1.00 - 4.00
5A-00202	30245	U-238	0.882	0.012	0.048	1.8	1.00 - 4.00
5A-00202	30245	Pb-214	0.865	0.022	0.047	1.7	1.00 - 4.00
5A-00202	30245	Bi-214	0.769	0.019	0.042	1.59	1.00 - 4.00
5A-00202	30245	Tl-208	0.478	0.011	0.025	0.937	1.00 - 4.00
5A-00202	30245	Pa-231	-0.04 U	0.46	0.14	0.936	1.00 - 4.00
5A-00202	30245	Sr-90	0.003 U	0.035	0.01	0.485	1.00 - 4.00
5A-00202	30245	Sb-125	0.128 JSK	0.03	0.0095	0.354	1.00 - 4.00
5A-00202	30245	Eu-155	0.09 SK	0.031	0.014	0.231	1.00 - 4.00
5A-00202	30245	Ac-227	0.443 RZ	0.11	0.028	0.217	1.00 - 4.00
5A-00202	30245	Cs-137	-0.0019 U	0.012	0.0035	0.207	1.00 - 4.00
5A-00202	30245	U-235/236	0.035	0.012	0.0075	0.151	1.00 - 4.00
5A-00202	30245	Eu-154	0.0199 U	0.061	0.0096	0.15	1.00 - 4.00
5A-00202	30245	Th-229	0.0058	0.009	0.0031	0.145	1.00 - 4.00
5A-00202	30245	Np-239	0.012 U	0.073	0.022	0.139	1.00 - 4.00
5A-00202	30245	Cs-134	0.0195 JSK	0.0073	0.0026	0.0864	1.00 - 4.00
5A-00202	30245	Te-125m	0.0295 JSK	0.0069	0.0022	0.0838	1.00 - 4.00
5A-00202	30245	Eu-152	0.0206 K R	0.026	0.0099	0.0566	1.00 - 4.00
5A-00202	30245	Np-236	-0.0063 U	0.026	0.0078	0.047	1.00 - 4.00
5A-00202	30245	Am-241	0.0007 U	0.0061	0.0015	0.0454	1.00 - 4.00
5A-00202	30245	Cm-243/244	0.0039	0.0018	0.0016	0.0443	1.00 - 4.00
5A-00202	30245	Ho-166m	-0.0002 U	0.019	0.0002	0.0432	1.00 - 4.00
5A-00202	30245	Pu-238	0.0033	0.005	0.0018	0.0415	1.00 - 4.00
5A-00202	30245	Pu-239/240	0.001 U	0.0041	0.0011	0.0404	1.00 - 4.00
5A-00202	30245	Cm-245/246	0 U	0.0053	0.0012	0.0401	1.00 - 4.00
5A-00202	30245	Na-22	0.001 U	0.016	0.0047	0.037	1.00 - 4.00
5A-00202	30245	Pu-244	0 U	0.0019	0.0004	0.0313	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00202	30245	Cm-247/248	0.0077	0.0052	0.0039	0.0306	1.00 - 4.00
5A-00202	30245	Co-60	0.0044 U	0.013	0.0031	0.028	1.00 - 4.00
5A-00202	30245	Sn-126	0.0047 U	0.012	0.0035	0.0237	1.00 - 4.00
5A-00202	30245	Nb-94	0.0035 U	0.01	0.0031	0.0214	1.00 - 4.00
5A-00204	30247	Cd-113m	22.6 U	92.6	29.6	3030	1.00 - 5.00
5A-00204	30247	Tm-171	0.67 U	10.6	3.8	72.4	1.00 - 5.00
5A-00204	30247	K-40	20.8	0.0829	1.2	32.4	1.00 - 5.00
5A-00204	30247	Th-228	1.3	0.0575	0.133	3.98	1.00 - 5.00
5A-00204	30247	Th-234	1.78	0.213	0.147	3.19	1.00 - 5.00
5A-00204	30247	Th-232	1.22	0.051	0.123	3.1	1.00 - 5.00
5A-00204	30247	Pb-212	1.49	0.0248	0.0892	2.69	1.00 - 5.00
5A-00204	30247	Th-230	1.03	0.0188	0.109	2.2	1.00 - 5.00
5A-00204	30247	Bi-212	0.768	0.0979	0.0683	2.15	1.00 - 5.00
5A-00204	30247	U-233/234	1.04	0.0513	0.104	2.02	1.00 - 5.00
5A-00204	30247	U-238	1.06	0.0572	0.105	1.8	1.00 - 5.00
5A-00204	30247	Pb-214	0.994	0.0237	0.0467	1.7	1.00 - 5.00
5A-00204	30247	Bi-214	0.882	0.02	0.0404	1.59	1.00 - 5.00
5A-00204	30247	Tl-208	0.472	0.0122	0.0251	0.937	1.00 - 5.00
5A-00204	30247	Pa-231	-0.0182 U	0.571	0.175	0.936	1.00 - 5.00
5A-00204	30247	Sr-90	0.228	0.341	0.109	0.485	1.00 - 5.00
5A-00204	30247	Sb-125	-0.0029 U	0.0315	0.0093	0.354	1.00 - 5.00
5A-00204	30247	Eu-155	0.0714 SK	0.05	0.0196	0.231	1.00 - 5.00
5A-00204	30247	Ac-227	-0.0464 U	0.135	0.0429	0.217	1.00 - 5.00
5A-00204	30247	Cs-137	0.0004 U	0.0117	0.004	0.207	1.00 - 5.00
5A-00204	30247	U-235/236	0.0412	0.0433	0.0179	0.151	1.00 - 5.00
5A-00204	30247	Eu-154	0.0087 U	0.0694	0.0243	0.15	1.00 - 5.00
5A-00204	30247	Th-229	0.0487	0.0646	0.0233	0.145	1.00 - 5.00
5A-00204	30247	Np-239	-0.035 U	0.0915	0.0292	0.139	1.00 - 5.00
5A-00204	30247	Cs-134	0.0023 U	0.0107	0.0037	0.0864	1.00 - 5.00
5A-00204	30247	Eu-152	0.0008 U	0.0334	0.0165	0.0566	1.00 - 5.00
5A-00204	30247	Np-236	-0.0079 U	0.0266	0.0085	0.047	1.00 - 5.00
5A-00204	30247	Am-241	0.0035	0.0093	0.0035	0.0454	1.00 - 5.00
5A-00204	30247	Pu-236	0.0017 U	0.0122	0.0029	0.0448	1.00 - 5.00
5A-00204	30247	Cm-243/244	-0.0018 U	0.0194	0.0039	0.0443	1.00 - 5.00
5A-00204	30247	Ho-166m	-0.0012 U	0.0183	0.0055	0.0432	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00204	30247	Pu-238	0 U	0.0109	0.0021	0.0415	1.00 - 5.00
5A-00204	30247	Pu-239/240	0.0074	0.0159	0.0049	0.0404	1.00 - 5.00
5A-00204	30247	Na-22	0.001 U	0.015	0.0044	0.037	1.00 - 5.00
5A-00204	30247	Pu-244	0.0118	0.004	0.0042	0.0313	1.00 - 5.00
5A-00204	30247	Co-60	-0.0059 U	0.0124	0.004	0.028	1.00 - 5.00
5A-00204	30247	Sn-126	0.0014 U	0.0117	0.0035	0.0237	1.00 - 5.00
5A-00204	30247	Nb-94	0.0075 SK	0.0109	0.0036	0.0214	1.00 - 5.00
5A-00205	30248	Cd-113m	6.5 U	32	9.8	3030	1.00 - 5.00
5A-00205	30248	Tm-171	-6 U J	4.2	1.7	72.4	1.00 - 5.00
5A-00205	30248	K-40	20.2	0.1	1	32.4	1.00 - 5.00
5A-00205	30248	Th-228	1.27	0.014	0.065	3.98	1.00 - 5.00
5A-00205	30248	Th-234	1.48 R	0.12	0.1	3.19	1.00 - 5.00
5A-00205	30248	Th-232	1.18	0.014	0.061	3.1	1.00 - 5.00
5A-00205	30248	Pb-212	1.57	0.02	0.1	2.69	1.00 - 5.00
5A-00205	30248	Th-230	1.03	0.008	0.054	2.2	1.00 - 5.00
5A-00205	30248	Bi-212	0.931	0.095	0.071	2.15	1.00 - 5.00
5A-00205	30248	U-233/234	0.815	0.003	0.046	2.02	1.00 - 5.00
5A-00205	30248	U-238	0.785	0.008	0.044	1.8	1.00 - 5.00
5A-00205	30248	Pb-214	0.86	0.021	0.046	1.7	1.00 - 5.00
5A-00205	30248	Bi-214	0.733	0.021	0.04	1.59	1.00 - 5.00
5A-00205	30248	Tl-208	0.46	0.014	0.025	0.937	1.00 - 5.00
5A-00205	30248	Pa-231	-0.06 U	0.45	0.14	0.936	1.00 - 5.00
5A-00205	30248	Sr-90	0.017 U	0.037	0.011	0.485	1.00 - 5.00
5A-00205	30248	Sb-125	0.132 SK	0.03	0.01	0.354	1.00 - 5.00
5A-00205	30248	Eu-155	0.079 SK	0.028	0.013	0.231	1.00 - 5.00
5A-00205	30248	Ac-227	0.102 J	0.071	0.026	0.217	1.00 - 5.00
5A-00205	30248	Cs-137	-0.0035 U	0.013	0.0039	0.207	1.00 - 5.00
5A-00205	30248	U-235/236	0.0406	0.01	0.008	0.151	1.00 - 5.00
5A-00205	30248	Eu-154	-0.0045 U J	0.075	0.0069	0.15	1.00 - 5.00
5A-00205	30248	Th-229	0.0142	0.003	0.004	0.145	1.00 - 5.00
5A-00205	30248	Np-239	-0.011 U	0.072	0.022	0.139	1.00 - 5.00
5A-00205	30248	Cs-134	0.0129 U J	0.036	0.0041	0.0864	1.00 - 5.00
5A-00205	30248	Te-125m	0.0305 SK	0.007	0.0024	0.0838	1.00 - 5.00
5A-00205	30248	Eu-152	0.0051 U	0.029	0.0088	0.0566	1.00 - 5.00
5A-00205	30248	Np-236	-0.0055 U	0.022	0.0067	0.047	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00205	30248	Am-241	0 U	0.0085	0.0016	0.0454	1.00 - 5.00
5A-00205	30248	Pu-236	-0.0006 U	0.0054	0.0006	0.0448	1.00 - 5.00
5A-00205	30248	Cm-243/244	0.0047	0.0032	0.0023	0.0443	1.00 - 5.00
5A-00205	30248	Ho-166m	0.0127 SK	0.017	0.0067	0.0432	1.00 - 5.00
5A-00205	30248	Pu-238	0.0032	0.0021	0.0016	0.0415	1.00 - 5.00
5A-00205	30248	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	1.00 - 5.00
5A-00205	30248	Cm-245/246	-0.0012 U	0.013	0.0027	0.0401	1.00 - 5.00
5A-00205	30248	Na-22	-0.005 U	0.018	0.023	0.037	1.00 - 5.00
5A-00205	30248	Pu-244	0.0024	0.0021	0.0014	0.0313	1.00 - 5.00
5A-00205	30248	Cm-247/248	0.0012 U	0.0032	0.0012	0.0306	1.00 - 5.00
5A-00205	30248	Co-60	0.0024 U	0.014	0.0042	0.028	1.00 - 5.00
5A-00205	30248	Sn-126	0.0027 U	0.012	0.0037	0.0237	1.00 - 5.00
5A-00205	30248	Nb-94	0.0035 U	0.011	0.0032	0.0214	1.00 - 5.00
5A-00206	30249	Cd-113m	1.1 U	28	8.3	3030	1.00 - 5.00
5A-00206	30249	Tm-171	-0.1 U J	5.4	1.6	72.4	1.00 - 5.00
5A-00206	30249	K-40	19.6	0.15	0.97	32.4	1.00 - 5.00
5A-00206	30249	Th-228	1.28	0.016	0.064	3.98	1.00 - 5.00
5A-00206	30249	Th-234	0.593 R	0.16	0.059	3.19	1.00 - 5.00
5A-00206	30249	Th-232	1.2	0.007	0.06	3.1	1.00 - 5.00
5A-00206	30249	Pb-212	1.56	0.024	0.088	2.69	1.00 - 5.00
5A-00206	30249	Th-230	0.989	0.002	0.051	2.2	1.00 - 5.00
5A-00206	30249	Bi-212	0.947	0.16	0.099	2.15	1.00 - 5.00
5A-00206	30249	U-233/234	0.972	0.003	0.052	2.02	1.00 - 5.00
5A-00206	30249	U-238	1.02	0.003	0.054	1.8	1.00 - 5.00
5A-00206	30249	Pb-214	0.854	0.027	0.045	1.7	1.00 - 5.00
5A-00206	30249	Bi-214	0.758	0.029	0.041	1.59	1.00 - 5.00
5A-00206	30249	Tl-208	0.473	0.018	0.026	0.937	1.00 - 5.00
5A-00206	30249	Pa-231	0.19 U	0.59	0.18	0.936	1.00 - 5.00
5A-00206	30249	Sr-90	0.018 U	0.041	0.012	0.485	1.00 - 5.00
5A-00206	30249	Sb-125	0.135 JSK	0.039	0.013	0.354	1.00 - 5.00
5A-00206	30249	Eu-155	0.023 L	0.033	0.01	0.231	1.00 - 5.00
5A-00206	30249	Ac-227	0.071	0.11	0.022	0.217	1.00 - 5.00
5A-00206	30249	Cs-137	0.0094	0.018	0.0068	0.207	1.00 - 5.00
5A-00206	30249	U-235/236	0.042	0.012	0.0081	0.151	1.00 - 5.00
5A-00206	30249	Eu-154	0.013 U	0.11	0.015	0.15	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00206	30249	Th-229	0.0032 U	0.014	0.0039	0.145	1.00 - 5.00
5A-00206	30249	Np-239	0.006 U	0.089	0.027	0.139	1.00 - 5.00
5A-00206	30249	Cs-134	0.0097 JSK	0.014	0.0045	0.0864	1.00 - 5.00
5A-00206	30249	Te-125m	0.0313 JSK	0.009	0.003	0.0838	1.00 - 5.00
5A-00206	30249	Eu-152	-0.01 U	0.034	0.01	0.0566	1.00 - 5.00
5A-00206	30249	Np-236	0.0003 U	0.027	0.008	0.047	1.00 - 5.00
5A-00206	30249	Am-241	0.0036	0.0016	0.0015	0.0454	1.00 - 5.00
5A-00206	30249	Cm-243/244	0.003	0.0016	0.0014	0.0443	1.00 - 5.00
5A-00206	30249	Ho-166m	0.0072 U	0.026	0.0071	0.0432	1.00 - 5.00
5A-00206	30249	Pu-238	-0.0001 U	0.005	0.0009	0.0415	1.00 - 5.00
5A-00206	30249	Pu-239/240	0.0003 U	0.0041	0.0008	0.0404	1.00 - 5.00
5A-00206	30249	Cm-245/246	0.003	0.0041	0.0021	0.0401	1.00 - 5.00
5A-00206	30249	Na-22	0.0022 U	0.026	0.0077	0.037	1.00 - 5.00
5A-00206	30249	Pu-244	0.0014	0.0019	0.001	0.0313	1.00 - 5.00
5A-00206	30249	Cm-247/248	0.0015 U	0.004	0.0015	0.0306	1.00 - 5.00
5A-00206	30249	Co-60	-0.0054 U	0.02	0.0061	0.028	1.00 - 5.00
5A-00206	30249	Sn-126	0.0023 U	0.01	0.003	0.0237	1.00 - 5.00
5A-00206	30249	Nb-94	0.0052 U	0.015	0.0045	0.0214	1.00 - 5.00
5A-00207	30250	Cd-113m	-3 U	34	10	3030	1.00 - 4.00
5A-00207	30250	Tm-171	0.04 U J	5.2	1.6	72.4	1.00 - 4.00
5A-00207	30250	K-40	22.2	0.1	1.1	32.4	1.00 - 4.00
5A-00207	30250	Th-228	1.28	0.021	0.064	3.98	1.00 - 4.00
5A-00207	30250	Th-234	1.53 R	0.13	0.1	3.19	1.00 - 4.00
5A-00207	30250	Th-232	1.22	0.005	0.061	3.1	1.00 - 4.00
5A-00207	30250	Pb-212	1.45	0.02	0.095	2.69	1.00 - 4.00
5A-00207	30250	Th-230	0.946	0.007	0.05	2.2	1.00 - 4.00
5A-00207	30250	Bi-212	0.869	0.1	0.072	2.15	1.00 - 4.00
5A-00207	30250	U-233/234	0.758	0.009	0.042	2.02	1.00 - 4.00
5A-00207	30250	U-238	0.751	0.007	0.041	1.8	1.00 - 4.00
5A-00207	30250	Pb-214	0.773	0.019	0.042	1.7	1.00 - 4.00
5A-00207	30250	Bi-214	0.679	0.023	0.038	1.59	1.00 - 4.00
5A-00207	30250	Tl-208	0.429	0.015	0.024	0.937	1.00 - 4.00
5A-00207	30250	Pa-231	-0.05 U	0.5	0.15	0.936	1.00 - 4.00
5A-00207	30250	Sr-90	0.0012 U	0.032	0.0092	0.485	1.00 - 4.00
5A-00207	30250	Sb-125	0.124 JSK	0.033	0.0099	0.354	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00207	30250	Eu-155	0.082 SK	0.029	0.013	0.231	1.00 - 4.00
5A-00207	30250	Ac-227	0.047 U	0.12	0.012	0.217	1.00 - 4.00
5A-00207	30250	Cs-137	-0.0074 U	0.014	0.0041	0.207	1.00 - 4.00
5A-00207	30250	U-235/236	0.039	0.0032	0.007	0.151	1.00 - 4.00
5A-00207	30250	Eu-154	0.011 U	0.083	0.013	0.15	1.00 - 4.00
5A-00207	30250	Th-229	0.0067	0.0098	0.0035	0.145	1.00 - 4.00
5A-00207	30250	Np-239	0.021 U	0.076	0.023	0.139	1.00 - 4.00
5A-00207	30250	Cs-134	0.0177 U J	0.041	0.0041	0.0864	1.00 - 4.00
5A-00207	30250	Te-125m	0.0286 JSK	0.0075	0.0023	0.0838	1.00 - 4.00
5A-00207	30250	Eu-152	0.0095 U	0.032	0.0068	0.0566	1.00 - 4.00
5A-00207	30250	Np-236	-0.0024 U	0.027	0.008	0.047	1.00 - 4.00
5A-00207	30250	Am-241	0.0026	0.0049	0.0016	0.0454	1.00 - 4.00
5A-00207	30250	Cm-243/244	0 U	0.0018	0.0007	0.0443	1.00 - 4.00
5A-00207	30250	Ho-166m	0.0036 U	0.019	0.0051	0.0432	1.00 - 4.00
5A-00207	30250	Pu-238	0.0023	0.006	0.0018	0.0415	1.00 - 4.00
5A-00207	30250	Pu-239/240	0.0017	0.0043	0.0013	0.0404	1.00 - 4.00
5A-00207	30250	Cm-245/246	0.0004 U	0.018	0.0038	0.0401	1.00 - 4.00
5A-00207	30250	Na-22	-0.0048 U	0.021	0.0062	0.037	1.00 - 4.00
5A-00207	30250	Pu-244	0 U	0.0019	0.0004	0.0313	1.00 - 4.00
5A-00207	30250	Cm-247/248	0.0022 U	0.0058	0.0022	0.0306	1.00 - 4.00
5A-00207	30250	Co-60	-0.0016 U	0.015	0.0046	0.028	1.00 - 4.00
5A-00207	30250	Sn-126	0.0024 U	0.012	0.0037	0.0237	1.00 - 4.00
5A-00207	30250	Nb-94	0.0041 U	0.011	0.0034	0.0214	1.00 - 4.00
5A-00208	30251	Cd-113m	-8 U	37	11	3030	1.00 - 5.00
5A-00208	30251	Tm-171	-2.9 U	5.4	1.7	72.4	1.00 - 5.00
5A-00208	30251	K-40	23.6	0.2	1.2	32.4	1.00 - 5.00
5A-00208	30251	Th-228	1.28	0.017	0.064	3.98	1.00 - 5.00
5A-00208	30251	Th-234	0.709 R	0.15	0.061	3.19	1.00 - 5.00
5A-00208	30251	Th-232	1.21	0.009	0.061	3.1	1.00 - 5.00
5A-00208	30251	Pb-212	1.62	0.02	0.11	2.69	1.00 - 5.00
5A-00208	30251	Th-230	0.975	0.01	0.051	2.2	1.00 - 5.00
5A-00208	30251	Bi-212	1.04	0.12	0.088	2.15	1.00 - 5.00
5A-00208	30251	U-233/234	0.79	0.011	0.045	2.02	1.00 - 5.00
5A-00208	30251	U-238	0.797	0.003	0.045	1.8	1.00 - 5.00
5A-00208	30251	Pb-214	1	0.023	0.054	1.7	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00208	30251	Bi-214	0.906	0.024	0.049	1.59	1.00 - 5.00
5A-00208	30251	Tl-208	0.488	0.015	0.027	0.937	1.00 - 5.00
5A-00208	30251	Pa-231	0.0001 U	0.53	0.16	0.936	1.00 - 5.00
5A-00208	30251	Sr-90	0.006 U	0.038	0.011	0.485	1.00 - 5.00
5A-00208	30251	Sb-125	0.131 JSK	0.027	0.011	0.354	1.00 - 5.00
5A-00208	30251	Eu-155	0.055 SK	0.029	0.011	0.231	1.00 - 5.00
5A-00208	30251	Ac-227	0.021 U	0.13	0.047	0.217	1.00 - 5.00
5A-00208	30251	Cs-137	-0.005 U	0.011	0.0034	0.207	1.00 - 5.00
5A-00208	30251	U-235/236	0.0474	0.004	0.0086	0.151	1.00 - 5.00
5A-00208	30251	Eu-154	-0.035 U	0.088	0.027	0.15	1.00 - 5.00
5A-00208	30251	Th-229	0.0011 U	0.014	0.0036	0.145	1.00 - 5.00
5A-00208	30251	Np-239	0.004 U	0.082	0.025	0.139	1.00 - 5.00
5A-00208	30251	Cs-134	0.0084 U	0.037	0.0024	0.0864	1.00 - 5.00
5A-00208	30251	Te-125m	0.0303 JSK	0.0063	0.0025	0.0838	1.00 - 5.00
5A-00208	30251	Eu-152	-0.005 U	0.034	0.01	0.0566	1.00 - 5.00
5A-00208	30251	Np-236	-0.0025 U	0.029	0.0087	0.047	1.00 - 5.00
5A-00208	30251	Am-241	0.0037	0.0025	0.0019	0.0454	1.00 - 5.00
5A-00208	30251	Cm-243/244	0.0028	0.0025	0.0016	0.0443	1.00 - 5.00
5A-00208	30251	Ho-166m	0.0108 RSK	0.019	0.0063	0.0432	1.00 - 5.00
5A-00208	30251	Pu-238	0.0049	0.0045	0.0021	0.0415	1.00 - 5.00
5A-00208	30251	Pu-239/240	0.0015	0.0021	0.0011	0.0404	1.00 - 5.00
5A-00208	30251	Cm-245/246	0.0016 U	0.0044	0.0016	0.0401	1.00 - 5.00
5A-00208	30251	Na-22	0.0011 U	0.019	0.0056	0.037	1.00 - 5.00
5A-00208	30251	Pu-244	0.003	0.0021	0.0015	0.0313	1.00 - 5.00
5A-00208	30251	Cm-247/248	0 U	0.0044	0.001	0.0306	1.00 - 5.00
5A-00208	30251	Co-60	0.003 U	0.016	0.0046	0.028	1.00 - 5.00
5A-00208	30251	Sn-126	0.0007 U	0.0091	0.0027	0.0237	1.00 - 5.00
5A-00208	30251	Nb-94	0.0053 U	0.011	0.0034	0.0214	1.00 - 5.00
5A-00209	30252	Cd-113m	5 U	37	11	3030	1.00 - 5.00
5A-00209	30252	Tm-171	-0.2 U	5.7	1.7	72.4	1.00 - 5.00
5A-00209	30252	K-40	22.1	0.1	1.1	32.4	1.00 - 5.00
5A-00209	30252	Th-228	1.38	0.009	0.068	3.98	1.00 - 5.00
5A-00209	30252	Th-234	1.53 R	0.14	0.11	3.19	1.00 - 5.00
5A-00209	30252	Th-232	1.39	0.007	0.068	3.1	1.00 - 5.00
5A-00209	30252	Pb-212	1.72	0.02	0.11	2.69	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00209	30252	Th-230	1.16	0.008	0.058	2.2	1.00 - 5.00
5A-00209	30252	Bi-212	1.12	0.12	0.092	2.15	1.00 - 5.00
5A-00209	30252	U-233/234	0.425	0.004	0.023	2.02	1.00 - 5.00
5A-00209	30252	U-238	0.408	0.001	0.022	1.8	1.00 - 5.00
5A-00209	30252	Pb-214	1.06	0.024	0.057	1.7	1.00 - 5.00
5A-00209	30252	Bi-214	0.935	0.024	0.051	1.59	1.00 - 5.00
5A-00209	30252	Tl-208	0.523	0.016	0.029	0.937	1.00 - 5.00
5A-00209	30252	Pa-231	0.1 U	0.54	0.16	0.936	1.00 - 5.00
5A-00209	30252	Sr-90	0.036	0.04	0.013	0.485	1.00 - 5.00
5A-00209	30252	Sb-125	0.151 JSK	0.037	0.012	0.354	1.00 - 5.00
5A-00209	30252	Eu-155	0.081 SK	0.031	0.013	0.231	1.00 - 5.00
5A-00209	30252	Ac-227	0.079	0.12	0.02	0.217	1.00 - 5.00
5A-00209	30252	Cs-137	0.0004 U	0.015	0.0044	0.207	1.00 - 5.00
5A-00209	30252	U-235/236	0.0193	0.0017	0.0036	0.151	1.00 - 5.00
5A-00209	30252	Eu-154	0.018 U	0.086	0.026	0.15	1.00 - 5.00
5A-00209	30252	Th-229	0.0048	0.009	0.0029	0.145	1.00 - 5.00
5A-00209	30252	Np-239	0.015 U	0.064	0.019	0.139	1.00 - 5.00
5A-00209	30252	Cs-134	0.0162 U	0.05	0.0046	0.0864	1.00 - 5.00
5A-00209	30252	Te-125m	0.0348 JSK	0.0085	0.0029	0.0838	1.00 - 5.00
5A-00209	30252	Eu-152	-0.005 U	0.034	0.01	0.0566	1.00 - 5.00
5A-00209	30252	Np-236	-0.012 U	0.028	0.0085	0.047	1.00 - 5.00
5A-00209	30252	Am-241	0.0009 U	0.0082	0.002	0.0454	1.00 - 5.00
5A-00209	30252	Cm-243/244	0.0009 U	0.0024	0.0009	0.0443	1.00 - 5.00
5A-00209	30252	Ho-166m	0.0143 RSK	0.02	0.0083	0.0432	1.00 - 5.00
5A-00209	30252	Pu-238	0.0011 U	0.0048	0.0012	0.0415	1.00 - 5.00
5A-00209	30252	Pu-239/240	0.0056	0.0022	0.0021	0.0404	1.00 - 5.00
5A-00209	30252	Cm-245/246	0.0042	0.0038	0.0024	0.0401	1.00 - 5.00
5A-00209	30252	Na-22	-0.0001 U	0.015	0.0045	0.037	1.00 - 5.00
5A-00209	30252	Pu-244	0.0011 U	0.0048	0.0012	0.0313	1.00 - 5.00
5A-00209	30252	Cm-247/248	0.0005 U	0.0081	0.0016	0.0306	1.00 - 5.00
5A-00209	30252	Co-60	0.0066 U	0.016	0.0049	0.028	1.00 - 5.00
5A-00209	30252	Sn-126	-0.0017 U	0.014	0.0041	0.0237	1.00 - 5.00
5A-00209	30252	Nb-94	0.0061 SK	0.0091	0.0028	0.0214	1.00 - 5.00
5A-00210	30253	Cd-113m	9 U	35	11	3030	0.00 - 0.50
5A-00210	30254	Cd-113m	12 U	38	11	3030	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00210	30253	Tm-171	2	4	1.2	72.4	0.00 - 0.50
5A-00210	30254	Tm-171	2.6 U	5.7	1.7	72.4	1.00 - 2.50
5A-00210	30253	K-40	20.9	0.1	1.1	32.4	0.00 - 0.50
5A-00210	30254	K-40	18.6	0.13	0.92	32.4	1.00 - 2.50
5A-00210	30253	Th-228	1.69	0.024	0.084	3.98	0.00 - 0.50
5A-00210	30254	Th-228	1.56	0.014	0.076	3.98	1.00 - 2.50
5A-00210	30253	Th-234	1.43 R	0.14	0.1	3.19	0.00 - 0.50
5A-00210	30254	Th-234	0.359 R	0.16	0.053	3.19	1.00 - 2.50
5A-00210	30253	Th-232	1.3	0.008	0.064	3.1	0.00 - 0.50
5A-00210	30254	Th-232	1.47	0.003	0.072	3.1	1.00 - 2.50
5A-00210	30253	Pb-212	1.74	0.02	0.11	2.69	0.00 - 0.50
5A-00210	30254	Pb-212	1.78	0.024	0.0996	2.69	1.00 - 2.50
5A-00210	30253	Th-230	0.916	0.002	0.048	2.2	0.00 - 0.50
5A-00210	30254	Th-230	1	0.003	0.052	2.2	1.00 - 2.50
5A-00210	30253	Bi-212	1.09	0.12	0.089	2.15	0.00 - 0.50
5A-00210	30254	Bi-212	1.12	0.13	0.09	2.15	1.00 - 2.50
5A-00210	30253	U-233/234	0.796	0.012	0.045	2.02	0.00 - 0.50
5A-00210	30254	U-233/234	0.377	0.004	0.021	2.02	1.00 - 2.50
5A-00210	30253	U-238	0.804	0.003	0.045	1.8	0.00 - 0.50
5A-00210	30254	U-238	0.371	0.005	0.021	1.8	1.00 - 2.50
5A-00210	30253	Pb-214	0.971	0.023	0.053	1.7	0.00 - 0.50
5A-00210	30254	Pb-214	0.857	0.026	0.045	1.7	1.00 - 2.50
5A-00210	30253	Bi-214	0.882	0.022	0.048	1.59	0.00 - 0.50
5A-00210	30254	Bi-214	0.805	0.024	0.043	1.59	1.00 - 2.50
5A-00210	30253	Tl-208	0.506	0.016	0.028	0.937	0.00 - 0.50
5A-00210	30254	Tl-208	0.532	0.018	0.028	0.937	1.00 - 2.50
5A-00210	30253	Pa-231	0.03 U	0.5	0.15	0.936	0.00 - 0.50
5A-00210	30254	Pa-231	-0.12 U	0.58	0.18	0.936	1.00 - 2.50
5A-00210	30253	Sr-90	0.016 U	0.054	0.016	0.485	0.00 - 0.50
5A-00210	30254	Sr-90	0.005 U	0.03	0.0088	0.485	1.00 - 2.50
5A-00210	30253	Sb-125	0.139 SK	0.037	0.011	0.354	0.00 - 0.50
5A-00210	30254	Sb-125	0.15 SK	0.044	0.013	0.354	1.00 - 2.50
5A-00210	30253	Eu-155	0.076 SK	0.03	0.013	0.231	0.00 - 0.50
5A-00210	30254	Eu-155	0.089 SK	0.033	0.013	0.231	1.00 - 2.50
5A-00210	30253	Ac-227	0.347 RZ	0.12	0.023	0.217	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00210	30254	Ac-227	0.108	0.1	0.037	0.217	1.00 - 2.50
5A-00210	30253	Cs-137	0.0141	0.0097	0.0043	0.207	0.00 - 0.50
5A-00210	30254	Cs-137	0.007 U	0.016	0.0054	0.207	1.00 - 2.50
5A-00210	30253	U-235/236	0.0382	0.01	0.0076	0.151	0.00 - 0.50
5A-00210	30254	U-235/236	0.0202	0.0018	0.0037	0.151	1.00 - 2.50
5A-00210	30253	Eu-154	-0.04 U	0.086	0.026	0.15	0.00 - 0.50
5A-00210	30254	Eu-154	-0.033 U	0.11	0.033	0.15	1.00 - 2.50
5A-00210	30253	Th-229	0.0102	0.0097	0.0039	0.145	0.00 - 0.50
5A-00210	30254	Th-229	0.0137	0.01	0.0048	0.145	1.00 - 2.50
5A-00210	30253	Np-239	0.009 U	0.077	0.023	0.139	0.00 - 0.50
5A-00210	30254	Np-239	-0.0008 U	0.079	0.024	0.139	1.00 - 2.50
5A-00210	30253	Cs-134	0.0145 U	0.048	0.004	0.0864	0.00 - 0.50
5A-00210	30254	Cs-134	0.0129 U	0.026	0.0041	0.0864	1.00 - 2.50
5A-00210	30253	Te-125m	0.0321 SK	0.0086	0.0025	0.0838	0.00 - 0.50
5A-00210	30254	Te-125m	0.0348 SK	0.01	0.0031	0.0838	1.00 - 2.50
5A-00210	30253	Eu-152	-0.0069 U	0.029	0.0087	0.0566	0.00 - 0.50
5A-00210	30254	Eu-152	-0.02 U	0.04	0.012	0.0566	1.00 - 2.50
5A-00210	30253	Np-236	-0.0061 U	0.027	0.0082	0.047	0.00 - 0.50
5A-00210	30254	Np-236	-0.0056 U	0.029	0.0088	0.047	1.00 - 2.50
5A-00210	30253	Am-241	0.004	0.0075	0.0024	0.0454	0.00 - 0.50
5A-00210	30254	Am-241	0.0018 U	0.011	0.0029	0.0454	1.00 - 2.50
5A-00210	30253	Cm-243/244	-0.0008 U	0.0076	0.0014	0.0443	0.00 - 0.50
5A-00210	30254	Cm-243/244	-0.0009 U	0.0085	0.0016	0.0443	1.00 - 2.50
5A-00210	30253	Ho-166m	-0.0003 U J	0.02	0.0013	0.0432	0.00 - 0.50
5A-00210	30254	Ho-166m	0.039 JSK	0.025	0.0058	0.0432	1.00 - 2.50
5A-00210	30253	Pu-238	0.0036	0.0062	0.002	0.0415	0.00 - 0.50
5A-00210	30254	Pu-238	0.0007 U	0.0059	0.0013	0.0415	1.00 - 2.50
5A-00210	30253	Pu-239/240	0.0031	0.0014	0.0013	0.0404	0.00 - 0.50
5A-00210	30254	Pu-239/240	0.0003 U	0.0048	0.001	0.0404	1.00 - 2.50
5A-00210	30253	Cm-245/246	0.0007 U	0.01	0.002	0.0401	0.00 - 0.50
5A-00210	30254	Cm-245/246	0.0036	0.0024	0.0018	0.0401	1.00 - 2.50
5A-00210	30254	Cm-245/246	-0.0012 U	0.012	0.0021	0.0401	1.00 - 2.50
5A-00210	30253	Na-22	-0.0018 U	0.018	0.0055	0.037	0.00 - 0.50
5A-00210	30254	Na-22	-0.0053 U	0.025	0.0073	0.037	1.00 - 2.50
5A-00210	30253	Pu-244	0 U	0.0014	0.0005	0.0313	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00210	30254	Pu-244	0.0032	0.0022	0.0016	0.0313	1.00 - 2.50
5A-00210	30253	Cm-247/248	0 U	0.0045	0.001	0.0306	0.00 - 0.50
5A-00210	30254	Cm-247/248	0 U	0.0065	0.0012	0.0306	1.00 - 2.50
5A-00210	30254	Cm-247/248	0.0056	0.0038	0.0028	0.0306	1.00 - 2.50
5A-00210	30253	Co-60	-0.0053 U	0.015	0.0046	0.028	0.00 - 0.50
5A-00210	30254	Co-60	0.0074 U	0.018	0.0055	0.028	1.00 - 2.50
5A-00210	30253	Sn-126	-0.0024 U	0.013	0.0039	0.0237	0.00 - 0.50
5A-00210	30254	Sn-126	0.0002 U	0.017	0.0052	0.0237	1.00 - 2.50
5A-00210	30253	Nb-94	0.0059 SK	0.011	0.0035	0.0214	0.00 - 0.50
5A-00210	30254	Nb-94	-0.0003 U	0.016	0.0047	0.0214	1.00 - 2.50
5A-00211	30255	Cd-113m	-4.3 U	33	9.8	3030	0.00 - 0.50
5A-00211	30256	Cd-113m	10 U	43	13	3030	1.00 - 3.50
5A-00211	30255	Tm-171	-5.2 U J	4.8	1.5	72.4	0.00 - 0.50
5A-00211	30256	Tm-171	-2.2 U	6.3	1.9	72.4	1.00 - 3.50
5A-00211	30255	K-40	19.8	0.1	1	32.4	0.00 - 0.50
5A-00211	30256	K-40	19	0.14	0.94	32.4	1.00 - 3.50
5A-00211	30255	Th-228	1.89	0.024	0.093	3.98	0.00 - 0.50
5A-00211	30256	Th-228	1.49	0.024	0.075	3.98	1.00 - 3.50
5A-00211	30255	Th-234	0.359 R	0.14	0.047	3.19	0.00 - 0.50
5A-00211	30256	Th-234	0.621 R	0.15	0.059	3.19	1.00 - 3.50
5A-00211	30255	Th-232	1.41	0.009	0.069	3.1	0.00 - 0.50
5A-00211	30256	Th-232	1.48	0.006	0.074	3.1	1.00 - 3.50
5A-00211	30255	Pb-212	1.74	0.02	0.11	2.69	0.00 - 0.50
5A-00211	30256	Pb-212	1.87	0.02	0.1	2.69	1.00 - 3.50
5A-00211	30255	Th-230	0.908	0.008	0.048	2.2	0.00 - 0.50
5A-00211	30256	Th-230	1.28	0.008	0.066	2.2	1.00 - 3.50
5A-00211	30255	Bi-212	1.04	0.11	0.083	2.15	0.00 - 0.50
5A-00211	30256	Bi-212	1.21	0.15	0.1	2.15	1.00 - 3.50
5A-00211	30255	U-233/234	0.734	0.008	0.042	2.02	0.00 - 0.50
5A-00211	30256	U-233/234	0.42	0.004	0.023	2.02	1.00 - 3.50
5A-00211	30255	U-238	0.722	0.008	0.042	1.8	0.00 - 0.50
5A-00211	30256	U-238	0.412	0.001	0.023	1.8	1.00 - 3.50
5A-00211	30255	Pb-214	0.875	0.022	0.047	1.7	0.00 - 0.50
5A-00211	30256	Pb-214	1.08	0.029	0.056	1.7	1.00 - 3.50
5A-00211	30255	Bi-214	0.785	0.022	0.043	1.59	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00211	30256	Bi-214	0.974	0.026	0.051	1.59	1.00 - 3.50
5A-00211	30255	Tl-208	0.524	0.014	0.029	0.937	0.00 - 0.50
5A-00211	30256	Tl-208	0.571	0.018	0.03	0.937	1.00 - 3.50
5A-00211	30255	Pa-231	0.003 U	0.48	0.14	0.936	0.00 - 0.50
5A-00211	30256	Pa-231	0.16 U	0.62	0.19	0.936	1.00 - 3.50
5A-00211	30255	Sr-90	0.05	0.058	0.018	0.485	0.00 - 0.50
5A-00211	30256	Sr-90	0.0105 U	0.033	0.0098	0.485	1.00 - 3.50
5A-00211	30255	Sb-125	0.159 SK	0.03	0.012	0.354	0.00 - 0.50
5A-00211	30256	Sb-125	0.154 SK	0.043	0.013	0.354	1.00 - 3.50
5A-00211	30255	Eu-155	0.081 SK	0.031	0.014	0.231	0.00 - 0.50
5A-00211	30256	Eu-155	0.094 SK	0.035	0.015	0.231	1.00 - 3.50
5A-00211	30255	Ac-227	0.078	0.094	0.021	0.217	0.00 - 0.50
5A-00211	30256	Ac-227	0.123	0.11	0.036	0.217	1.00 - 3.50
5A-00211	30255	Cs-137	0.0101	0.008	0.0032	0.207	0.00 - 0.50
5A-00211	30256	Cs-137	-0.0059 U	0.018	0.0054	0.207	1.00 - 3.50
5A-00211	30255	U-235/236	0.0326	0.015	0.0078	0.151	0.00 - 0.50
5A-00211	30256	U-235/236	0.0213	0.006	0.004	0.151	1.00 - 3.50
5A-00211	30255	Eu-154	0.0009 U	0.077	0.0004	0.15	0.00 - 0.50
5A-00211	30256	Eu-154	0.008 U	0.11	0.015	0.15	1.00 - 3.50
5A-00211	30255	Th-229	0.0043	0.0029	0.0022	0.145	0.00 - 0.50
5A-00211	30256	Th-229	0.0095	0.0032	0.0034	0.145	1.00 - 3.50
5A-00211	30255	Np-239	0.076 K R	0.062	0.027	0.139	0.00 - 0.50
5A-00211	30256	Np-239	-0.005 U	0.093	0.028	0.139	1.00 - 3.50
5A-00211	30255	Cs-134	0.0158 U	0.034	0.0034	0.0864	0.00 - 0.50
5A-00211	30256	Cs-134	0.006 U	0.057	0.017	0.0864	1.00 - 3.50
5A-00211	30255	Te-125m	0.0368 SK	0.007	0.0028	0.0838	0.00 - 0.50
5A-00211	30256	Te-125m	0.0356 SK	0.0098	0.003	0.0838	1.00 - 3.50
5A-00211	30255	Eu-152	-0.01 U	0.03	0.0092	0.0566	0.00 - 0.50
5A-00211	30256	Eu-152	0.025 K R	0.042	0.015	0.0566	1.00 - 3.50
5A-00211	30255	Np-236	-0.0067 U	0.026	0.0079	0.047	0.00 - 0.50
5A-00211	30256	Np-236	-0.012 U	0.033	0.01	0.047	1.00 - 3.50
5A-00211	30255	Am-241	0.0027 U	0.0083	0.0024	0.0454	0.00 - 0.50
5A-00211	30256	Am-241	0.0019 U	0.0072	0.002	0.0454	1.00 - 3.50
5A-00211	30255	Cm-243/244	0 U	0.0066	0.0013	0.0443	0.00 - 0.50
5A-00211	30256	Cm-243/244	0 U	0.0072	0.0014	0.0443	1.00 - 3.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00211	30255	Ho-166m	0.0048 U J	0.017	0.0039	0.0432	0.00 - 0.50
5A-00211	30256	Ho-166m	0.013 JSK	0.024	0.01	0.0432	1.00 - 3.50
5A-00211	30255	Pu-238	0.001 U	0.0059	0.0016	0.0415	0.00 - 0.50
5A-00211	30256	Pu-238	0.0013 U	0.0076	0.0019	0.0415	1.00 - 3.50
5A-00211	30255	Pu-239/240	0.0039	0.0013	0.0014	0.0404	0.00 - 0.50
5A-00211	30256	Pu-239/240	0.0012 U	0.0049	0.0013	0.0404	1.00 - 3.50
5A-00211	30255	Cm-245/246	0.0042	0.011	0.0033	0.0401	0.00 - 0.50
5A-00211	30256	Cm-245/246	0.0049	0.0044	0.0028	0.0401	1.00 - 3.50
5A-00211	30255	Na-22	0.0002 U	0.015	0.0043	0.037	0.00 - 0.50
5A-00211	30256	Na-22	-0.0057 U	0.025	0.0075	0.037	1.00 - 3.50
5A-00211	30255	Pu-244	0.001 U	0.0013	0.0007	0.0313	0.00 - 0.50
5A-00211	30256	Pu-244	0.0033	0.0022	0.0017	0.0313	1.00 - 3.50
5A-00211	30255	Cm-247/248	0 U	0.004	0.0009	0.0306	0.00 - 0.50
5A-00211	30256	Cm-247/248	0.0006 U	0.0095	0.0019	0.0306	1.00 - 3.50
5A-00211	30255	Co-60	-0.0033 U	0.014	0.0043	0.028	0.00 - 0.50
5A-00211	30256	Co-60	0.0019 U	0.02	0.004	0.028	1.00 - 3.50
5A-00211	30255	Sn-126	-0.0001 U	0.011	0.0033	0.0237	0.00 - 0.50
5A-00211	30256	Sn-126	0.0093	0.013	0.0054	0.0237	1.00 - 3.50
5A-00211	30255	Nb-94	0.0024 U	0.01	0.0023	0.0214	0.00 - 0.50
5A-00211	30256	Nb-94	-0.0022 U	0.014	0.0043	0.0214	1.00 - 3.50
5A-00212	30257	Cd-113m	35.6 U	102	30.9	3030	0.00 - 0.50
5A-00212	30258	Cd-113m	-1.4 U	32	9.7	3030	1.00 - 2.00
5A-00212	30257	Tm-171	-1.97 U	10.1	3.45	72.4	0.00 - 0.50
5A-00212	30258	Tm-171	3.1	4.7	1.8	72.4	1.00 - 2.00
5A-00212	30257	K-40	23.7	0.104	1.32	32.4	0.00 - 0.50
5A-00212	30258	K-40	21	0.1	1.1	32.4	1.00 - 2.00
5A-00212	30257	Th-228	1.82	0.0967	0.157	3.98	0.00 - 0.50
5A-00212	30258	Th-228	1.18	0.016	0.059	3.98	1.00 - 2.00
5A-00212	30257	Th-234	2.12	0.208	0.161	3.19	0.00 - 0.50
5A-00212	30258	Th-234	0.571 R	0.13	0.053	3.19	1.00 - 2.00
5A-00212	30257	Th-232	1.42	0.0437	0.123	3.1	0.00 - 0.50
5A-00212	30258	Th-232	1.16	0.008	0.058	3.1	1.00 - 2.00
5A-00212	30257	Pb-212	2.28	0.0298	0.135	2.69	0.00 - 0.50
5A-00212	30258	Pb-212	1.66	0.02	0.11	2.69	1.00 - 2.00
5A-00212	30257	Th-230	1.35	0.0161	0.118	2.2	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00212	30258	Th-230	0.743	0.009	0.04	2.2	1.00 - 2.00
5A-00212	30257	Bi-212	1.34	0.117	0.092	2.15	0.00 - 0.50
5A-00212	30258	Bi-212	1.06	0.11	0.085	2.15	1.00 - 2.00
5A-00212	30257	U-233/234	1.14	0.0372	0.106	2.02	0.00 - 0.50
5A-00212	30258	U-233/234	0.576	0.01	0.035	2.02	1.00 - 2.00
5A-00212	30257	U-238	1.17	0.0295	0.108	1.8	0.00 - 0.50
5A-00212	30258	U-238	0.586	0.008	0.035	1.8	1.00 - 2.00
5A-00212	30257	Pb-214	1.51	0.0249	0.0694	1.7	0.00 - 0.50
5A-00212	30258	Pb-214	0.738	0.023	0.041	1.7	1.00 - 2.00
5A-00212	30257	Bi-214	1.34	0.0226	0.0579	1.59	0.00 - 0.50
5A-00212	30258	Bi-214	0.647	0.02	0.036	1.59	1.00 - 2.00
5A-00212	30257	Tl-208	0.707	0.0146	0.0368	0.937	0.00 - 0.50
5A-00212	30258	Tl-208	0.481	0.015	0.027	0.937	1.00 - 2.00
5A-00212	30257	Pa-231	-0.105 U	0.614	0.19	0.936	0.00 - 0.50
5A-00212	30258	Pa-231	-0.17 U	0.5	0.15	0.936	1.00 - 2.00
5A-00212	30257	Sr-90	-0.0086 U K	0.145	0.038	0.485	0.00 - 0.50
5A-00212	30258	Sr-90	0.019 U	0.043	0.013	0.485	1.00 - 2.00
5A-00212	30257	Sb-125	0.0103 U	0.0387	0.0118	0.354	0.00 - 0.50
5A-00212	30258	Sb-125	0.105 JSK	0.034	0.0087	0.354	1.00 - 2.00
5A-00212	30257	Eu-155	0.108 SK	0.0539	0.0211	0.231	0.00 - 0.50
5A-00212	30258	Eu-155	0.088 SK	0.033	0.015	0.231	1.00 - 2.00
5A-00212	30257	Ac-227	0.0552 U	0.154	0.0469	0.217	0.00 - 0.50
5A-00212	30258	Ac-227	0.015 U	0.12	0.036	0.217	1.00 - 2.00
5A-00212	30257	Cs-137	0.0227	0.0135	0.0054	0.207	0.00 - 0.50
5A-00212	30258	Cs-137	-0.0043 U	0.013	0.004	0.207	1.00 - 2.00
5A-00212	30257	U-235/236	0.0594	0.0134	0.0177	0.151	0.00 - 0.50
5A-00212	30258	U-235/236	0.0313	0.0037	0.0067	0.151	1.00 - 2.00
5A-00212	30257	Eu-154	0.0043 U	0.0767	0.0264	0.15	0.00 - 0.50
5A-00212	30258	Eu-154	0.009 U	0.075	0.014	0.15	1.00 - 2.00
5A-00212	30257	Th-229	0.0418	0.0554	0.0199	0.145	0.00 - 0.50
5A-00212	30258	Th-229	0.0008 U	0.01	0.0025	0.145	1.00 - 2.00
5A-00212	30257	Np-239	-0.0344 U	0.1	0.0307	0.139	0.00 - 0.50
5A-00212	30258	Np-239	0.028 U	0.077	0.023	0.139	1.00 - 2.00
5A-00212	30257	Cs-134	0.0042 U	0.0132	0.0047	0.0864	0.00 - 0.50
5A-00212	30258	Cs-134	0.0193 SK	0.033	0.0042	0.0864	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00212	30258	Te-125m	0.0243 JSK	0.0077	0.002	0.0838	1.00 - 2.00
5A-00212	30257	Eu-152	0.006 U	0.0373	0.0115	0.0566	0.00 - 0.50
5A-00212	30258	Eu-152	-0.0068 U	0.032	0.0096	0.0566	1.00 - 2.00
5A-00212	30257	Np-236	-0.0144 U	0.0279	0.0093	0.047	0.00 - 0.50
5A-00212	30258	Np-236	-0.0067 U	0.027	0.0082	0.047	1.00 - 2.00
5A-00212	30257	Am-241	0.0015 U	0.0165	0.0033	0.0454	0.00 - 0.50
5A-00212	30258	Am-241	0.0038	0.0092	0.0028	0.0454	1.00 - 2.00
5A-00212	30257	Pu-236	-0.0129 U	0.0391	0.0068	0.0448	0.00 - 0.50
5A-00212	30257	Cm-243/244	-0.0031 U	0.0255	0.0043	0.0443	0.00 - 0.50
5A-00212	30258	Cm-243/244	-0.0051 U	0.017	0.0031	0.0443	1.00 - 2.00
5A-00212	30257	Ho-166m	-0.0033 U	0.0206	0.0061	0.0432	0.00 - 0.50
5A-00212	30258	Ho-166m	0.0037 U R	0.02	0.003	0.0432	1.00 - 2.00
5A-00212	30257	Pu-238	0.0031	0.0084	0.0031	0.0415	0.00 - 0.50
5A-00212	30258	Pu-238	0.0012 U	0.0051	0.0013	0.0415	1.00 - 2.00
5A-00212	30257	Pu-239/240	-0.0014 U	0.0243	0.0044	0.0404	0.00 - 0.50
5A-00212	30258	Pu-239/240	0.0003 U	0.0051	0.001	0.0404	1.00 - 2.00
5A-00212	30258	Cm-245/246	0.0016 U	0.0074	0.0019	0.0401	1.00 - 2.00
5A-00212	30257	Na-22	-0.0028 U	0.0178	0.0061	0.037	0.00 - 0.50
5A-00212	30258	Na-22	-0.0021 U	0.019	0.0056	0.037	1.00 - 2.00
5A-00212	30257	Pu-244	0.0118 K	0.0278	0.0085	0.0313	0.00 - 0.50
5A-00212	30258	Pu-244	0.0026	0.0023	0.0015	0.0313	1.00 - 2.00
5A-00212	30258	Cm-247/248	0.0016 U	0.0021	0.0011	0.0306	1.00 - 2.00
5A-00212	30257	Co-60	-0.0014 U	0.014	0.0041	0.028	0.00 - 0.50
5A-00212	30258	Co-60	0.0024 U	0.0099	0.0024	0.028	1.00 - 2.00
5A-00212	30257	Sn-126	-0.0044 U	0.0132	0.004	0.0237	0.00 - 0.50
5A-00212	30258	Sn-126	0.002 U	0.012	0.0037	0.0237	1.00 - 2.00
5A-00212	30257	Nb-94	0.0032 U	0.0118	0.0035	0.0214	0.00 - 0.50
5A-00212	30258	Nb-94	0.0041 U	0.011	0.0032	0.0214	1.00 - 2.00
5A-00213	30259	Cd-113m	14 U	35	11	3030	1.00 - 5.00
5A-00213	30259	Tm-171	-4.1 U J	5.5	1.7	72.4	1.00 - 5.00
5A-00213	30259	K-40	19.4	0.14	0.99	32.4	1.00 - 5.00
5A-00213	30259	Th-228	1.6	0.018	0.081	3.98	1.00 - 5.00
5A-00213	30259	Th-234	1.7 R	0.14	0.11	3.19	1.00 - 5.00
5A-00213	30259	Th-232	1.49	0.012	0.076	3.1	1.00 - 5.00
5A-00213	30259	Pb-212	1.9	0.02	0.12	2.69	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00213	30259	Th-230	1.11	0.012	0.06	2.2	1.00 - 5.00
5A-00213	30259	Bi-212	1.2	0.11	0.089	2.15	1.00 - 5.00
5A-00213	30259	U-233/234	0.358	0.004	0.021	2.02	1.00 - 5.00
5A-00213	30259	U-238	0.346	0.002	0.02	1.8	1.00 - 5.00
5A-00213	30259	Pb-214	1.02	0.023	0.055	1.7	1.00 - 5.00
5A-00213	30259	Bi-214	0.89	0.025	0.049	1.59	1.00 - 5.00
5A-00213	30259	Tl-208	0.57	0.016	0.031	0.937	1.00 - 5.00
5A-00213	30259	Pa-231	-0.1 U	0.53	0.16	0.936	1.00 - 5.00
5A-00213	30259	Sr-90	0.017 U	0.039	0.012	0.485	1.00 - 5.00
5A-00213	30259	Sb-125	0.148 JSK	0.036	0.011	0.354	1.00 - 5.00
5A-00213	30259	Eu-155	0.073 SK	0.033	0.015	0.231	1.00 - 5.00
5A-00213	30259	Ac-227	0.068	0.088	0.02	0.217	1.00 - 5.00
5A-00213	30259	Cs-137	0 U	0.013	0.0038	0.207	1.00 - 5.00
5A-00213	30259	U-235/236	0.0192	0.0019	0.0038	0.151	1.00 - 5.00
5A-00213	30259	Eu-154	0.0059 U	0.073	0.0065	0.15	1.00 - 5.00
5A-00213	30259	Th-229	0.005	0.012	0.0036	0.145	1.00 - 5.00
5A-00213	30259	Np-239	-0.013 U	0.08	0.024	0.139	1.00 - 5.00
5A-00213	30259	Cs-134	0.0119 U	0.046	0.003	0.0864	1.00 - 5.00
5A-00213	30259	Te-125m	0.0342 JSK	0.0084	0.0026	0.0838	1.00 - 5.00
5A-00213	30259	Eu-152	-0.0079 U	0.033	0.01	0.0566	1.00 - 5.00
5A-00213	30259	Np-236	-0.0028 U	0.028	0.0084	0.047	1.00 - 5.00
5A-00213	30259	Am-241	0.0042	0.0038	0.0024	0.0454	1.00 - 5.00
5A-00213	30259	Cm-243/244	0.0028 U	0.0038	0.002	0.0443	1.00 - 5.00
5A-00213	30259	Ho-166m	0.0042 U R	0.02	0.002	0.0432	1.00 - 5.00
5A-00213	30259	Pu-238	0.0024	0.0022	0.0014	0.0415	1.00 - 5.00
5A-00213	30259	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	1.00 - 5.00
5A-00213	30259	Cm-245/246	0.0008 U	0.012	0.0024	0.0401	1.00 - 5.00
5A-00213	30259	Na-22	0.0029 U	0.019	0.0058	0.037	1.00 - 5.00
5A-00213	30259	Pu-244	0.0008 U	0.0021	0.0008	0.0313	1.00 - 5.00
5A-00213	30259	Cm-247/248	-0.0024 U	0.015	0.0017	0.0306	1.00 - 5.00
5A-00213	30259	Co-60	0.0059 U	0.014	0.0044	0.028	1.00 - 5.00
5A-00213	30259	Sn-126	-0.0025 U	0.013	0.004	0.0237	1.00 - 5.00
5A-00213	30259	Nb-94	0.0028 U	0.012	0.0036	0.0214	1.00 - 5.00
5A-00214	30260	Cd-113m	14 U	33	10	3030	0.00 - 0.50
5A-00214	30260	Cd-113m	14	33	10	3030	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00214	30261	Cd-113m	3 U	37	11	3030	1.00 - 5.00
5A-00214	30260	Tm-171	-4.8	4.6	1.4	72.4	0.00 - 0.50
5A-00214	30260	Tm-171	-4.8 U J	4.6	1.4	72.4	0.00 - 0.50
5A-00214	30261	Tm-171	-5.9 U J	6.3	2	72.4	1.00 - 5.00
5A-00214	30260	K-40	20.6	0.1	1.1	32.4	0.00 - 0.50
5A-00214	30260	K-40	20.6	0.1	1.1	32.4	0.00 - 0.50
5A-00214	30261	K-40	22.3	0.2	1.1	32.4	1.00 - 5.00
5A-00214	30260	Th-228	1.46	0.015	0.074	3.98	0.00 - 0.50
5A-00214	30260	Th-228	1.46	0.015	0.074	3.98	0.00 - 0.50
5A-00214	30261	Th-228	1.38	0.014	0.068	3.98	1.00 - 5.00
5A-00214	30260	Th-234	0.363 R	0.14	0.048	3.19	0.00 - 0.50
5A-00214	30260	Th-234	0.363	0.14	0.048	3.19	0.00 - 0.50
5A-00214	30261	Th-234	1.65 R	0.17	0.11	3.19	1.00 - 5.00
5A-00214	30260	Th-232	1.38	0.008	0.07	3.1	0.00 - 0.50
5A-00214	30260	Th-232	1.38	0.008	0.07	3.1	0.00 - 0.50
5A-00214	30261	Th-232	1.38	0.008	0.068	3.1	1.00 - 5.00
5A-00214	30260	Pb-212	1.71	0.02	0.11	2.69	0.00 - 0.50
5A-00214	30260	Pb-212	1.71	0.02	0.11	2.69	0.00 - 0.50
5A-00214	30261	Pb-212	1.78	0.029	0.088	2.69	1.00 - 5.00
5A-00214	30260	Th-230	0.96	0.003	0.052	2.2	0.00 - 0.50
5A-00214	30260	Th-230	0.96	0.003	0.052	2.2	0.00 - 0.50
5A-00214	30261	Th-230	1.13	0.008	0.057	2.2	1.00 - 5.00
5A-00214	30260	Bi-212	1.12	0.12	0.09	2.15	0.00 - 0.50
5A-00214	30260	Bi-212	1.12	0.12	0.09	2.15	0.00 - 0.50
5A-00214	30261	Bi-212	1.16	0.15	0.096	2.15	1.00 - 5.00
5A-00214	30260	U-233/234	0.681	0.004	0.035	2.02	0.00 - 0.50
5A-00214	30260	U-233/234	0.681	0.004	0.035	2.02	0.00 - 0.50
5A-00214	30261	U-233/234	0.804	0.01	0.048	2.02	1.00 - 5.00
5A-00214	30260	U-238	0.664	0.004	0.034	1.8	0.00 - 0.50
5A-00214	30260	U-238	0.664	0.004	0.034	1.8	0.00 - 0.50
5A-00214	30261	U-238	0.83	0.004	0.049	1.8	1.00 - 5.00
5A-00214	30260	Pb-214	0.842	0.02	0.046	1.7	0.00 - 0.50
5A-00214	30260	Pb-214	0.842	0.02	0.046	1.7	0.00 - 0.50
5A-00214	30261	Pb-214	1.26	0.032	0.072	1.7	1.00 - 5.00
5A-00214	30260	Bi-214	0.744	0.023	0.041	1.59	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00214	30260	Bi-214	0.744	0.023	0.041	1.59	0.00 - 0.50
5A-00214	30261	Bi-214	1.15	0.03	0.06	1.59	1.00 - 5.00
5A-00214	30260	Tl-208	0.526	0.016	0.029	0.937	0.00 - 0.50
5A-00214	30260	Tl-208	0.526	0.016	0.029	0.937	0.00 - 0.50
5A-00214	30261	Tl-208	0.592	0.021	0.032	0.937	1.00 - 5.00
5A-00214	30260	Pa-231	0.083 U	0.46	0.059	0.936	0.00 - 0.50
5A-00214	30260	Pa-231	0.083	0.46	0.059	0.936	0.00 - 0.50
5A-00214	30261	Pa-231	0.02 U	0.64	0.19	0.936	1.00 - 5.00
5A-00214	30260	Sr-90	0.013	0.037	0.011	0.485	0.00 - 0.50
5A-00214	30260	Sr-90	0.013 U	0.037	0.011	0.485	0.00 - 0.50
5A-00214	30261	Sr-90	0.046	0.034	0.012	0.485	1.00 - 5.00
5A-00214	30260	Sb-125	0.14	0.034	0.011	0.354	0.00 - 0.50
5A-00214	30260	Sb-125	0.14 SK	0.034	0.011	0.354	0.00 - 0.50
5A-00214	30261	Sb-125	0.189 JSK	0.049	0.015	0.354	1.00 - 5.00
5A-00214	30260	Eu-155	0.071 SK	0.032	0.014	0.231	0.00 - 0.50
5A-00214	30260	Eu-155	0.071	0.032	0.014	0.231	0.00 - 0.50
5A-00214	30261	Eu-155	0.105 SK	0.039	0.016	0.231	1.00 - 5.00
5A-00214	30260	Ac-227	0.016	0.12	0.043	0.217	0.00 - 0.50
5A-00214	30260	Ac-227	0.016 U	0.12	0.043	0.217	0.00 - 0.50
5A-00214	30261	Ac-227	0.047 U	0.16	0.045	0.217	1.00 - 5.00
5A-00214	30260	Cs-137	-0.0033 U	0.013	0.0039	0.207	0.00 - 0.50
5A-00214	30260	Cs-137	-0.0033	0.013	0.0039	0.207	0.00 - 0.50
5A-00214	30261	Cs-137	0.0064 U	0.017	0.0053	0.207	1.00 - 5.00
5A-00214	30260	U-235/236	0.0393	0.0069	0.0058	0.151	0.00 - 0.50
5A-00214	30260	U-235/236	0.0393	0.0069	0.0058	0.151	0.00 - 0.50
5A-00214	30261	U-235/236	0.0434	0.0047	0.0089	0.151	1.00 - 5.00
5A-00214	30260	Eu-154	0.011	0.075	0.012	0.15	0.00 - 0.50
5A-00214	30260	Eu-154	0.011 U	0.075	0.012	0.15	0.00 - 0.50
5A-00214	30261	Eu-154	0.019 U	0.11	0.013	0.15	1.00 - 5.00
5A-00214	30260	Th-229	0.0105	0.0032	0.0035	0.145	0.00 - 0.50
5A-00214	30260	Th-229	0.0105	0.0032	0.0035	0.145	0.00 - 0.50
5A-00214	30261	Th-229	0.0128	0.012	0.0051	0.145	1.00 - 5.00
5A-00214	30260	Np-239	-0.034 U	0.078	0.024	0.139	0.00 - 0.50
5A-00214	30260	Np-239	-0.034	0.078	0.024	0.139	0.00 - 0.50
5A-00214	30261	Np-239	0.004 U	0.093	0.028	0.139	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00214	30260	Cs-134	0.0199 SK	0.036	0.0041	0.0864	0.00 - 0.50
5A-00214	30260	Cs-134	0.0199	0.036	0.0041	0.0864	0.00 - 0.50
5A-00214	30261	Cs-134	-0.003 U	0.066	0.02	0.0864	1.00 - 5.00
5A-00214	30260	Te-125m	0.0324	0.0078	0.0025	0.0838	0.00 - 0.50
5A-00214	30260	Te-125m	0.0324 SK	0.0078	0.0025	0.0838	0.00 - 0.50
5A-00214	30261	Te-125m	0.0436 JSK	0.011	0.0036	0.0838	1.00 - 5.00
5A-00214	30260	Eu-152	0.002 U	0.031	0.011	0.0566	0.00 - 0.50
5A-00214	30260	Eu-152	0.002	0.031	0.011	0.0566	0.00 - 0.50
5A-00214	30261	Eu-152	0.0122 U	0.042	0.0079	0.0566	1.00 - 5.00
5A-00214	30260	Np-236	-0.0066	0.027	0.0082	0.047	0.00 - 0.50
5A-00214	30260	Np-236	-0.0066 U	0.027	0.0082	0.047	0.00 - 0.50
5A-00214	30261	Np-236	-0.0118 U	0.032	0.0098	0.047	1.00 - 5.00
5A-00214	30260	Am-241	0.004	0.0042	0.0017	0.0454	0.00 - 0.50
5A-00214	30260	Am-241	0.004	0.0042	0.0017	0.0454	0.00 - 0.50
5A-00214	30261	Am-241	0.0048	0.007	0.0025	0.0454	1.00 - 5.00
5A-00214	30260	Pu-236	-0.0005 U	0.0045	0.0005	0.0448	0.00 - 0.50
5A-00214	30260	Pu-236	-0.0005	0.0045	0.0005	0.0448	0.00 - 0.50
5A-00214	30260	Cm-243/244	0.0017	0.0016	0.001	0.0443	0.00 - 0.50
5A-00214	30260	Cm-243/244	0.0017	0.0016	0.001	0.0443	0.00 - 0.50
5A-00214	30261	Cm-243/244	0 U	0.0071	0.0014	0.0443	1.00 - 5.00
5A-00214	30260	Ho-166m	0.0055 U	0.02	0.0051	0.0432	0.00 - 0.50
5A-00214	30260	Ho-166m	0.0055	0.02	0.0051	0.0432	0.00 - 0.50
5A-00214	30261	Ho-166m	0.0252 RSK	0.028	0.0038	0.0432	1.00 - 5.00
5A-00214	30260	Pu-238	0.0018	0.0046	0.0014	0.0415	0.00 - 0.50
5A-00214	30260	Pu-238	0.0018	0.0046	0.0014	0.0415	0.00 - 0.50
5A-00214	30261	Pu-238	0.0013 U	0.0054	0.0014	0.0415	1.00 - 5.00
5A-00214	30260	Pu-239/240	0.0044	0.0017	0.0017	0.0404	0.00 - 0.50
5A-00214	30260	Pu-239/240	0.0044	0.0017	0.0017	0.0404	0.00 - 0.50
5A-00214	30261	Pu-239/240	0.0015	0.002	0.0011	0.0404	1.00 - 5.00
5A-00214	30260	Cm-245/246	0	0.0093	0.002	0.0401	0.00 - 0.50
5A-00214	30260	Cm-245/246	0 U	0.0093	0.002	0.0401	0.00 - 0.50
5A-00214	30261	Cm-245/246	0.004	0.0027	0.002	0.0401	1.00 - 5.00
5A-00214	30261	Cm-245/246	0.0019 U	0.005	0.0019	0.0401	1.00 - 5.00
5A-00214	30260	Na-22	0.0056 U	0.019	0.0057	0.037	0.00 - 0.50
5A-00214	30260	Na-22	0.0056	0.019	0.0057	0.037	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00214	30261	Na-22	0.0041 U	0.027	0.0082	0.037	1.00 - 5.00
5A-00214	30260	Pu-244	0.0003	0.0037	0.0007	0.0313	0.00 - 0.50
5A-00214	30260	Pu-244	0.0003 U	0.0037	0.0007	0.0313	0.00 - 0.50
5A-00214	30261	Pu-244	0 U	0.002	0.0004	0.0313	1.00 - 5.00
5A-00214	30260	Cm-247/248	-0.001 U	0.0072	0.001	0.0306	0.00 - 0.50
5A-00214	30260	Cm-247/248	-0.001	0.0072	0.001	0.0306	0.00 - 0.50
5A-00214	30261	Cm-247/248	0.001 U	0.0027	0.001	0.0306	1.00 - 5.00
5A-00214	30261	Cm-247/248	0.0025 U	0.011	0.0028	0.0306	1.00 - 5.00
5A-00214	30260	Co-60	-0.0058 U	0.015	0.0045	0.028	0.00 - 0.50
5A-00214	30260	Co-60	-0.0058	0.015	0.0045	0.028	0.00 - 0.50
5A-00214	30261	Co-60	-0.0024 U	0.021	0.0062	0.028	1.00 - 5.00
5A-00214	30260	Sn-126	0.0043	0.012	0.0037	0.0237	0.00 - 0.50
5A-00214	30260	Sn-126	0.0043 U	0.012	0.0037	0.0237	0.00 - 0.50
5A-00214	30261	Sn-126	0.0061 U	0.017	0.0051	0.0237	1.00 - 5.00
5A-00214	30260	Nb-94	0.0047 U	0.011	0.0033	0.0214	0.00 - 0.50
5A-00214	30260	Nb-94	0.0047	0.011	0.0033	0.0214	0.00 - 0.50
5A-00214	30261	Nb-94	0.0039 U	0.016	0.0031	0.0214	1.00 - 5.00
5A-00215	30262	Cd-113m	6.6 U	31	9.3	3030	0.00 - 0.50
5A-00215	30263	Cd-113m	17 U	47	14	3030	1.00 - 5.00
5A-00215	30262	Tm-171	-4 U J	4.5	1.4	72.4	0.00 - 0.50
5A-00215	30263	Tm-171	0.3 U	4.7	1.4	72.4	1.00 - 5.00
5A-00215	30262	K-40	19.7	0.12	0.96	32.4	0.00 - 0.50
5A-00215	30263	K-40	24.7	0.2	1.2	32.4	1.00 - 5.00
5A-00215	30262	Th-228	1.93	0.023	0.095	3.98	0.00 - 0.50
5A-00215	30263	Th-228	1.41	0.013	0.069	3.98	1.00 - 5.00
5A-00215	30262	Th-234	0.441 R	0.13	0.046	3.19	0.00 - 0.50
5A-00215	30263	Th-234	0.672 R	0.17	0.064	3.19	1.00 - 5.00
5A-00215	30262	Th-232	1.35	0.006	0.067	3.1	0.00 - 0.50
5A-00215	30263	Th-232	1.33	0.002	0.065	3.1	1.00 - 5.00
5A-00215	30262	Pb-212	1.72	0.019	0.096	2.69	0.00 - 0.50
5A-00215	30263	Pb-212	1.8	0.03	0.1	2.69	1.00 - 5.00
5A-00215	30262	Th-230	1.04	0.01	0.053	2.2	0.00 - 0.50
5A-00215	30263	Th-230	1.06	0.002	0.054	2.2	1.00 - 5.00
5A-00215	30262	Bi-212	1.02	0.11	0.084	2.15	0.00 - 0.50
5A-00215	30263	Bi-212	1.31	0.15	0.11	2.15	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00215	30262	U-233/234	0.796	0.007	0.043	2.02	0.00 - 0.50
5A-00215	30263	U-233/234	0.847	0.003	0.048	2.02	1.00 - 5.00
5A-00215	30262	U-238	0.806	0.01	0.044	1.8	0.00 - 0.50
5A-00215	30263	U-238	0.794	0.009	0.045	1.8	1.00 - 5.00
5A-00215	30262	Pb-214	0.988	0.021	0.05	1.7	0.00 - 0.50
5A-00215	30263	Pb-214	1.18	0.03	0.06	1.7	1.00 - 5.00
5A-00215	30262	Bi-214	0.878	0.02	0.045	1.59	0.00 - 0.50
5A-00215	30263	Bi-214	1.05	0.029	0.055	1.59	1.00 - 5.00
5A-00215	30262	Tl-208	0.508	0.014	0.026	0.937	0.00 - 0.50
5A-00215	30263	Tl-208	0.542	0.02	0.029	0.937	1.00 - 5.00
5A-00215	30262	Pa-231	0.09 U	0.44	0.13	0.936	0.00 - 0.50
5A-00215	30263	Pa-231	-0.29 U	0.64	0.2	0.936	1.00 - 5.00
5A-00215	30262	Sr-90	0.039	0.05	0.016	0.485	0.00 - 0.50
5A-00215	30263	Sr-90	0.006 U	0.04	0.012	0.485	1.00 - 5.00
5A-00215	30262	Sb-125	0.149 SK	0.02	0.011	0.354	0.00 - 0.50
5A-00215	30263	Sb-125	0.149 JSK	0.045	0.013	0.354	1.00 - 5.00
5A-00215	30262	Eu-155	0.086 SK	0.029	0.013	0.231	0.00 - 0.50
5A-00215	30263	Eu-155	0.09 SK	0.037	0.016	0.231	1.00 - 5.00
5A-00215	30262	Ac-227	0.084	0.084	0.016	0.217	0.00 - 0.50
5A-00215	30263	Ac-227	0.048 U	0.16	0.056	0.217	1.00 - 5.00
5A-00215	30262	Cs-137	0.0095	0.0078	0.0025	0.207	0.00 - 0.50
5A-00215	30263	Cs-137	0.0221	0.014	0.0062	0.207	1.00 - 5.00
5A-00215	30262	U-235/236	0.0427	0.0032	0.0073	0.151	0.00 - 0.50
5A-00215	30263	U-235/236	0.0328	0.011	0.0074	0.151	1.00 - 5.00
5A-00215	30262	Eu-154	-0.0002 U	0.062	0.0003	0.15	0.00 - 0.50
5A-00215	30263	Eu-154	-0.0011 U	0.12	0.0023	0.15	1.00 - 5.00
5A-00215	30262	Th-229	0.0076	0.01	0.0036	0.145	0.00 - 0.50
5A-00215	30263	Th-229	0.0043 U	0.013	0.0038	0.145	1.00 - 5.00
5A-00215	30262	Np-239	-0.003 U	0.068	0.02	0.139	0.00 - 0.50
5A-00215	30263	Np-239	-0.0009 U	0.1	0.031	0.139	1.00 - 5.00
5A-00215	30262	Cs-134	0.0032 U	0.036	0.0063	0.0864	0.00 - 0.50
5A-00215	30263	Cs-134	0.0212 U	0.059	0.0062	0.0864	1.00 - 5.00
5A-00215	30262	Te-125m	0.0344 SK	0.0047	0.0026	0.0838	0.00 - 0.50
5A-00215	30263	Te-125m	0.0345 JSK	0.01	0.003	0.0838	1.00 - 5.00
5A-00215	30262	Eu-152	-0.0089 U	0.028	0.0086	0.0566	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00215	30263	Eu-152	0.0015 U	0.047	0.0097	0.0566	1.00 - 5.00
5A-00215	30262	Np-236	0.0022 U	0.019	0.0057	0.047	0.00 - 0.50
5A-00215	30263	Np-236	-0.008 U	0.036	0.011	0.047	1.00 - 5.00
5A-00215	30262	Am-241	0.0026	0.0064	0.0019	0.0454	0.00 - 0.50
5A-00215	30263	Am-241	0.0032	0.0078	0.0024	0.0454	1.00 - 5.00
5A-00215	30262	Cm-243/244	0.0009 U	0.0065	0.0015	0.0443	0.00 - 0.50
5A-00215	30263	Cm-243/244	0.0021 U	0.0029	0.0015	0.0443	1.00 - 5.00
5A-00215	30262	Ho-166m	0.0082 JSK	0.016	0.006	0.0432	0.00 - 0.50
5A-00215	30263	Ho-166m	-0.0005 U R	0.03	0.0005	0.0432	1.00 - 5.00
5A-00215	30262	Pu-238	0.0034	0.0053	0.0018	0.0415	0.00 - 0.50
5A-00215	30263	Pu-238	0.0021	0.0051	0.0016	0.0415	1.00 - 5.00
5A-00215	30262	Pu-239/240	0.0019	0.0013	0.001	0.0404	0.00 - 0.50
5A-00215	30263	Pu-239/240	0.0012 U	0.0051	0.0013	0.0404	1.00 - 5.00
5A-00215	30262	Cm-245/246	0.0024 U	0.0073	0.0021	0.0401	0.00 - 0.50
5A-00215	30263	Cm-245/246	0.0006 U	0.0092	0.0018	0.0401	1.00 - 5.00
5A-00215	30262	Na-22	-0.0037 U	0.018	0.0053	0.037	0.00 - 0.50
5A-00215	30263	Na-22	-0.0083 U	0.028	0.0085	0.037	1.00 - 5.00
5A-00215	30262	Pu-244	0 U	0.0013	0.0005	0.0313	0.00 - 0.50
5A-00215	30263	Pu-244	0.0017	0.0023	0.0012	0.0313	1.00 - 5.00
5A-00215	30262	Cm-247/248	0 U	0.0021	0.0008	0.0306	0.00 - 0.50
5A-00215	30263	Cm-247/248	0.0015 U	0.0041	0.0015	0.0306	1.00 - 5.00
5A-00215	30262	Co-60	0.002 U	0.013	0.0038	0.028	0.00 - 0.50
5A-00215	30263	Co-60	0.0038 U	0.023	0.0056	0.028	1.00 - 5.00
5A-00215	30262	Sn-126	0.0038 U	0.011	0.0034	0.0237	0.00 - 0.50
5A-00215	30263	Sn-126	0.0026 U	0.019	0.0056	0.0237	1.00 - 5.00
5A-00215	30262	Nb-94	0.0056 SK	0.0099	0.003	0.0214	0.00 - 0.50
5A-00215	30263	Nb-94	0.0064 U	0.017	0.0037	0.0214	1.00 - 5.00
5A-00216	30264	Cd-113m	8 U	37	11	3030	1.00 - 5.00
5A-00216	30264	Tm-171	-4 U J	5.2	1.6	72.4	1.00 - 5.00
5A-00216	30264	K-40	23.2	0.1	1.2	32.4	1.00 - 5.00
5A-00216	30264	Th-228	1.21	0.016	0.06	3.98	1.00 - 5.00
5A-00216	30264	Th-234	1.62 R	0.15	0.11	3.19	1.00 - 5.00
5A-00216	30264	Th-232	1.21	0.002	0.06	3.1	1.00 - 5.00
5A-00216	30264	Pb-212	1.57	0.03	0.1	2.69	1.00 - 5.00
5A-00216	30264	Th-230	0.945	0.006	0.048	2.2	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00216	30264	Bi-212	1.09	0.11	0.086	2.15	1.00 - 5.00
5A-00216	30264	U-233/234	0.398	0.004	0.022	2.02	1.00 - 5.00
5A-00216	30264	U-238	0.428	0.004	0.023	1.8	1.00 - 5.00
5A-00216	30264	Pb-214	1.05	0.021	0.056	1.7	1.00 - 5.00
5A-00216	30264	Bi-214	0.93	0.024	0.051	1.59	1.00 - 5.00
5A-00216	30264	Tl-208	0.509	0.016	0.028	0.937	1.00 - 5.00
5A-00216	30264	Pa-231	0.15 U	0.43	0.12	0.936	1.00 - 5.00
5A-00216	30264	Sr-90	0.024	0.036	0.011	0.485	1.00 - 5.00
5A-00216	30264	Sb-125	0.031 L R	0.031	0.013	0.354	1.00 - 5.00
5A-00216	30264	Eu-155	0.092 SK	0.034	0.015	0.231	1.00 - 5.00
5A-00216	30264	Ac-227	0.033 U	0.13	0.042	0.217	1.00 - 5.00
5A-00216	30264	Cs-137	-0.0081 U	0.014	0.0044	0.207	1.00 - 5.00
5A-00216	30264	U-235/236	0.0193	0.0072	0.004	0.151	1.00 - 5.00
5A-00216	30264	Eu-154	-0.03 U	0.087	0.026	0.15	1.00 - 5.00
5A-00216	30264	Th-229	0.0012 U	0.015	0.0039	0.145	1.00 - 5.00
5A-00216	30264	Np-239	0.001 U	0.083	0.025	0.139	1.00 - 5.00
5A-00216	30264	Cs-134	0.0048 U	0.047	0.0023	0.0864	1.00 - 5.00
5A-00216	30264	Te-125m	0.0072 L R	0.0072	0.003	0.0838	1.00 - 5.00
5A-00216	30264	Eu-152	-0.018 U	0.035	0.011	0.0566	1.00 - 5.00
5A-00216	30264	Np-236	-0.004 U	0.029	0.0088	0.047	1.00 - 5.00
5A-00216	30264	Am-241	-0.0032 U	0.012	0.0019	0.0454	1.00 - 5.00
5A-00216	30264	Cm-243/244	0.0022 U	0.0029	0.0015	0.0443	1.00 - 5.00
5A-00216	30264	Ho-166m	0.015 JSK	0.022	0.0047	0.0432	1.00 - 5.00
5A-00216	30264	Pu-238	0.0017 U	0.0069	0.0018	0.0415	1.00 - 5.00
5A-00216	30264	Pu-239/240	0.0019	0.0026	0.0013	0.0404	1.00 - 5.00
5A-00216	30264	Cm-245/246	0.0045	0.0041	0.0026	0.0401	1.00 - 5.00
5A-00216	30264	Na-22	0.003 U	0.022	0.0066	0.037	1.00 - 5.00
5A-00216	30264	Pu-244	0 U	0.0026	0.0006	0.0313	1.00 - 5.00
5A-00216	30264	Cm-247/248	-0.0003 U	0.011	0.0019	0.0306	1.00 - 5.00
5A-00216	30264	Co-60	0.0045 U	0.017	0.0044	0.028	1.00 - 5.00
5A-00216	30264	Sn-126	-0.0039 U	0.014	0.0044	0.0237	1.00 - 5.00
5A-00216	30264	Nb-94	0.0064 SK	0.012	0.0036	0.0214	1.00 - 5.00
5A-00217	30265	Cd-113m	-29 U	113	36.7	3030	0.00 - 0.50
5A-00217	30265	Tm-171	-8.76 U	14.9	6.1	72.4	0.00 - 0.50
5A-00217	30265	K-40	25.6	0.103	1.67	32.4	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00217	30265	Th-228	1.33	0.106	0.128	3.98	0.00 - 0.50
5A-00217	30265	Th-234	1.67	0.258	0.158	3.19	0.00 - 0.50
5A-00217	30265	Th-232	1.03	0.065	0.0991	3.1	0.00 - 0.50
5A-00217	30265	Pb-212	1.75	0.0328	0.116	2.69	0.00 - 0.50
5A-00217	30265	Th-230	0.799	0.0854	0.0857	2.2	0.00 - 0.50
5A-00217	30265	Bi-212	1.04	0.125	0.0789	2.15	0.00 - 0.50
5A-00217	30265	U-233/234	0.773	0.0482	0.0816	2.02	0.00 - 0.50
5A-00217	30265	U-238	0.957	0.0537	0.0957	1.8	0.00 - 0.50
5A-00217	30265	Pb-214	1.05	0.0276	0.0518	1.7	0.00 - 0.50
5A-00217	30265	Bi-214	0.94	0.0235	0.0431	1.59	0.00 - 0.50
5A-00217	30265	Tl-208	0.561	0.0151	0.0305	0.937	0.00 - 0.50
5A-00217	30265	Pa-231	-0.606 U J	0.66	0.276	0.936	0.00 - 0.50
5A-00217	30265	Sr-90	0.0587 U	0.162	0.0487	0.485	0.00 - 0.50
5A-00217	30265	Sb-125	0.0242 JSK	0.0408	0.0135	0.354	0.00 - 0.50
5A-00217	30265	Eu-155	0.076 SK	0.0634	0.0205	0.231	0.00 - 0.50
5A-00217	30265	Ac-227	0.0416 U	0.166	0.0505	0.217	0.00 - 0.50
5A-00217	30265	Cs-137	0.141	0.0133	0.0095	0.207	0.00 - 0.50
5A-00217	30265	U-235/236	0.0442	0.0407	0.0178	0.151	0.00 - 0.50
5A-00217	30265	Eu-154	0.0249 U	0.0813	0.0248	0.15	0.00 - 0.50
5A-00217	30265	Th-229	-0.0303 U	0.114	0.0264	0.145	0.00 - 0.50
5A-00217	30265	Np-239	-0.0165 U	0.109	0.0329	0.139	0.00 - 0.50
5A-00217	30265	Cs-134	0.0012 U	0.0135	0.0046	0.0864	0.00 - 0.50
5A-00217	30265	Eu-152	-0.0073 U	0.0403	0.0152	0.0566	0.00 - 0.50
5A-00217	30265	Np-236	-0.0101 U	0.0319	0.0111	0.047	0.00 - 0.50
5A-00217	30265	Am-241	-0.0014 U	0.0156	0.0031	0.0454	0.00 - 0.50
5A-00217	30265	Pu-236	0 U	0.0531	0.0136	0.0448	0.00 - 0.50
5A-00217	30265	Cm-243/244	-0.0058 U	0.0241	0.0041	0.0443	0.00 - 0.50
5A-00217	30265	Ho-166m	0.0005 U	0.0212	0.0063	0.0432	0.00 - 0.50
5A-00217	30265	Pu-238	-0.0184 U	0.0631	0.0155	0.0415	0.00 - 0.50
5A-00217	30265	Pu-239/240	0.0026 U	0.0281	0.0069	0.0404	0.00 - 0.50
5A-00217	30265	Na-22	-0.0135 U J	0.018	0.0063	0.037	0.00 - 0.50
5A-00217	30265	Pu-244	0.0105	0.0071	0.0053	0.0313	0.00 - 0.50
5A-00217	30265	Co-60	-0.0018 U	0.0149	0.0044	0.028	0.00 - 0.50
5A-00217	30265	Sn-126	-0.0083 U	0.013	0.0044	0.0237	0.00 - 0.50
5A-00217	30265	Nb-94	0.0024 U	0.0122	0.0036	0.0214	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00218	30266	Cd-113m	1.73 U	80.3	24.7	3030	0.00 - 0.50
5A-00218	30266	Tm-171	3.61 U	9.87	3.5	72.4	0.00 - 0.50
5A-00218	30266	K-40	21.1	0.0865	1.19	32.4	0.00 - 0.50
5A-00218	30266	Th-228	1.02	0.134	0.112	3.98	0.00 - 0.50
5A-00218	30266	Th-234	1.31	0.174	0.112	3.19	0.00 - 0.50
5A-00218	30266	Th-232	0.705	0.0455	0.0781	3.1	0.00 - 0.50
5A-00218	30266	Pb-212	1.47	0.0246	0.0871	2.69	0.00 - 0.50
5A-00218	30266	Th-230	0.521	0.0668	0.0661	2.2	0.00 - 0.50
5A-00218	30266	Bi-212	0.883	0.0981	0.0673	2.15	0.00 - 0.50
5A-00218	30266	U-233/234	0.63	0.0475	0.0703	2.02	0.00 - 0.50
5A-00218	30266	U-238	0.596	0.0325	0.067	1.8	0.00 - 0.50
5A-00218	30266	Pb-214	0.969	0.0207	0.0449	1.7	0.00 - 0.50
5A-00218	30266	Bi-214	0.85	0.0185	0.038	1.59	0.00 - 0.50
5A-00218	30266	Tl-208	0.457	0.0123	0.0242	0.937	0.00 - 0.50
5A-00218	30266	Pa-231	-0.0477 U	0.494	0.154	0.936	0.00 - 0.50
5A-00218	30266	Sr-90	0.0586 U K	0.104	0.033	0.485	0.00 - 0.50
5A-00218	30266	Sb-125	0.0156 JSK	0.0315	0.0098	0.354	0.00 - 0.50
5A-00218	30266	Eu-155	0.0997 SK	0.043	0.0226	0.231	0.00 - 0.50
5A-00218	30266	Ac-227	-0.0239 U	0.12	0.0421	0.217	0.00 - 0.50
5A-00218	30266	Cs-137	0.0547	0.0106	0.0058	0.207	0.00 - 0.50
5A-00218	30266	U-235/236	0.0327	0.0587	0.019	0.151	0.00 - 0.50
5A-00218	30266	Eu-154	0.0091 U	0.0659	0.0224	0.15	0.00 - 0.50
5A-00218	30266	Th-229	0.0249	0.0458	0.0153	0.145	0.00 - 0.50
5A-00218	30266	Np-239	0.0241 U	0.0802	0.025	0.139	0.00 - 0.50
5A-00218	30266	Cs-134	-0.0007 U	0.0108	0.0037	0.0864	0.00 - 0.50
5A-00218	30266	Eu-152	-0.0254 U J	0.0292	0.0109	0.0566	0.00 - 0.50
5A-00218	30266	Np-236	-0.004 U	0.0224	0.0074	0.047	0.00 - 0.50
5A-00218	30266	Am-241	-0.0016 U	0.0175	0.0035	0.0454	0.00 - 0.50
5A-00218	30266	Pu-236	0.003 U	0.0362	0.009	0.0448	0.00 - 0.50
5A-00218	30266	Cm-243/244	0.0032	0.0087	0.0032	0.0443	0.00 - 0.50
5A-00218	30266	Ho-166m	-0.0068 U	0.0164	0.0053	0.0432	0.00 - 0.50
5A-00218	30266	Pu-238	0.0052 U	0.0366	0.0097	0.0415	0.00 - 0.50
5A-00218	30266	Pu-239/240	-0.0052 U	0.0278	0.0052	0.0404	0.00 - 0.50
5A-00218	30266	Na-22	-0.0062 U	0.0153	0.005	0.037	0.00 - 0.50
5A-00218	30266	Pu-244	0.0388 K	0.007	0.0103	0.0313	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00218	30266	Co-60	0.0033 U	0.0119	0.0036	0.028	0.00 - 0.50
5A-00218	30266	Sn-126	0.0059 J	0.0112	0.0036	0.0237	0.00 - 0.50
5A-00218	30266	Nb-94	0.0021 U	0.0099	0.003	0.0214	0.00 - 0.50
5A-00219	30198	Cd-113m	1.3 U	27	8.2	3030	1.00 - 2.50
5A-00219	30198	Tm-171	0.1 U	4.7	1.4	72.4	1.00 - 2.50
5A-00219	30198	K-40	20.4	0.1	1	32.4	1.00 - 2.50
5A-00219	30198	H-3	0.119	0.19	0.059	11.9	1.00 - 2.50
5A-00219	30198	Th-228	1.43	0.012	0.069	3.98	1.00 - 2.50
5A-00219	30198	Th-234	1.68 R	0.13	0.11	3.19	1.00 - 2.50
5A-00219	30198	Th-232	1.4	0.006	0.068	3.1	1.00 - 2.50
5A-00219	30198	Pb-212	1.67	0.02	0.11	2.69	1.00 - 2.50
5A-00219	30198	Th-230	1.08	0.002	0.054	2.2	1.00 - 2.50
5A-00219	30198	Bi-212	1.02	0.11	0.083	2.15	1.00 - 2.50
5A-00219	30198	U-233/234	0.831	0.003	0.046	2.02	1.00 - 2.50
5A-00219	30198	U-238	0.821	0.003	0.045	1.8	1.00 - 2.50
5A-00219	30198	Pb-214	0.937	0.021	0.051	1.7	1.00 - 2.50
5A-00219	30198	Bi-214	0.837	0.022	0.046	1.59	1.00 - 2.50
5A-00219	30198	Tl-208	0.494	0.016	0.027	0.937	1.00 - 2.50
5A-00219	30198	Pa-231	0.1 U	0.48	0.11	0.936	1.00 - 2.50
5A-00219	30198	Sr-90	-0.01 U	0.041	0.011	0.485	1.00 - 2.50
5A-00219	30198	Sb-125	0.119 SK	0.033	0.0092	0.354	1.00 - 2.50
5A-00219	30198	Eu-155	0.061 SK	0.037	0.012	0.231	1.00 - 2.50
5A-00219	30198	Ac-227	0.049 U	0.12	0.037	0.217	1.00 - 2.50
5A-00219	30198	Cs-137	0.0022 U	0.013	0.0039	0.207	1.00 - 2.50
5A-00219	30198	U-235/236	0.0449	0.014	0.0084	0.151	1.00 - 2.50
5A-00219	30198	Eu-154	-0.037 U	0.079	0.024	0.15	1.00 - 2.50
5A-00219	30198	Th-229	-0.0011 U	0.018	0.0045	0.145	1.00 - 2.50
5A-00219	30198	Np-239	0.016 U	0.077	0.023	0.139	1.00 - 2.50
5A-00219	30198	Cs-134	0.0142 U J	0.037	0.0048	0.0864	1.00 - 2.50
5A-00219	30198	Te-125m	0.0274 SK	0.0076	0.0021	0.0838	1.00 - 2.50
5A-00219	30198	Eu-152	0.021 R K	0.029	0.01	0.0566	1.00 - 2.50
5A-00219	30198	Np-236	-0.0055 U	0.026	0.0078	0.047	1.00 - 2.50
5A-00219	30198	Am-241	0.002 U	0.0095	0.0025	0.0454	1.00 - 2.50
5A-00219	30198	Cm-243/244	-0.001 U	0.0095	0.0018	0.0443	1.00 - 2.50
5A-00219	30198	Ho-166m	0.0108 SK	0.019	0.0049	0.0432	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00219	30198	Pu-238	0.0023	0.002	0.0013	0.0415	1.00 - 2.50
5A-00219	30198	Pu-239/240	0.0022	0.002	0.0013	0.0404	1.00 - 2.50
5A-00219	30198	Cm-245/246	-0.0011 U	0.011	0.0011	0.0401	1.00 - 2.50
5A-00219	30198	Na-22	-0.0054 U J	0.016	0.0049	0.037	1.00 - 2.50
5A-00219	30198	Am-243	0.0019 U	0.0051	0.0019	0.0333	1.00 - 2.50
5A-00219	30198	Pu-244	0.0015	0.002	0.0011	0.0313	1.00 - 2.50
5A-00219	30198	Cm-247/248	0.0037	0.0051	0.0026	0.0306	1.00 - 2.50
5A-00219	30198	Co-60	0.0016 U	0.014	0.0034	0.028	1.00 - 2.50
5A-00219	30198	Sn-126	-0.0019 U	0.012	0.0037	0.0237	1.00 - 2.50
5A-00219	30198	Nb-94	0.0012 U J	0.011	0.0026	0.0214	1.00 - 2.50
5A-00220	30199	Cd-113m	3 U	33	10	3030	1.00 - 2.00
5A-00220	30199	Tm-171	-6.9 U J	4.4	1.7	72.4	1.00 - 2.00
5A-00220	30199	K-40	21.8	0.1	1.1	32.4	1.00 - 2.00
5A-00220	30199	H-3	0.066 U	0.23	0.071	11.9	1.00 - 2.00
5A-00220	30199	Th-228	1.35	0.012	0.066	3.98	1.00 - 2.00
5A-00220	30199	Th-234	1.71 R	0.12	0.11	3.19	1.00 - 2.00
5A-00220	30199	Th-232	1.37	0.006	0.067	3.1	1.00 - 2.00
5A-00220	30199	Pb-212	1.71	0.02	0.11	2.69	1.00 - 2.00
5A-00220	30199	Th-230	1.13	0.002	0.056	2.2	1.00 - 2.00
5A-00220	30199	Bi-212	1.06	0.088	0.071	2.15	1.00 - 2.00
5A-00220	30199	U-233/234	0.951	0.006	0.049	2.02	1.00 - 2.00
5A-00220	30199	U-238	0.972	0.006	0.05	1.8	1.00 - 2.00
5A-00220	30199	Pb-214	0.99	0.023	0.053	1.7	1.00 - 2.00
5A-00220	30199	Bi-214	0.846	0.022	0.046	1.59	1.00 - 2.00
5A-00220	30199	Tl-208	0.503	0.013	0.027	0.937	1.00 - 2.00
5A-00220	30199	Pa-231	0 U	0.47	0.11	0.936	1.00 - 2.00
5A-00220	30199	Sr-90	-0.004 U	0.036	0.01	0.485	1.00 - 2.00
5A-00220	30199	Sb-125	0.162 JSK	0.033	0.012	0.354	1.00 - 2.00
5A-00220	30199	Eu-155	0.087 SK	0.028	0.013	0.231	1.00 - 2.00
5A-00220	30199	Ac-227	0.323 RZ	0.12	0.022	0.217	1.00 - 2.00
5A-00220	30199	Cs-137	0.004 U	0.013	0.0039	0.207	1.00 - 2.00
5A-00220	30199	U-235/236	0.0468	0.0078	0.0075	0.151	1.00 - 2.00
5A-00220	30199	Eu-154	-0.024 U	0.078	0.024	0.15	1.00 - 2.00
5A-00220	30199	Th-229	0.012	0.0027	0.0035	0.145	1.00 - 2.00
5A-00220	30199	Np-239	0.0007 U	0.069	0.021	0.139	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00220	30199	Cs-134	0.011 U J	0.038	0.003	0.0864	1.00 - 2.00
5A-00220	30199	Te-125m	0.0373 JSK	0.0075	0.0028	0.0838	1.00 - 2.00
5A-00220	30199	Eu-152	-0.009 U	0.03	0.0092	0.0566	1.00 - 2.00
5A-00220	30199	Np-236	0.0031 U	0.026	0.0078	0.047	1.00 - 2.00
5A-00220	30199	Am-241	0.0006 U	0.0051	0.0012	0.0454	1.00 - 2.00
5A-00220	30199	Cm-243/244	0.0017	0.0015	0.001	0.0443	1.00 - 2.00
5A-00220	30199	Ho-166m	0.0028 U	0.019	0.0056	0.0432	1.00 - 2.00
5A-00220	30199	Pu-238	0.0004 U	0.0066	0.0015	0.0415	1.00 - 2.00
5A-00220	30199	Pu-239/240	0.0021	0.0019	0.0012	0.0404	1.00 - 2.00
5A-00220	30199	Cm-245/246	0.0054	0.01	0.0034	0.0401	1.00 - 2.00
5A-00220	30199	Na-22	-0.006 U	0.019	0.014	0.037	1.00 - 2.00
5A-00220	30199	Am-243	0.002 U	0.0083	0.0022	0.0333	1.00 - 2.00
5A-00220	30199	Pu-244	0.0007 U	0.0019	0.0007	0.0313	1.00 - 2.00
5A-00220	30199	Cm-247/248	0 U	0.0038	0.0008	0.0306	1.00 - 2.00
5A-00220	30199	Co-60	0.0002 U	0.015	0.0044	0.028	1.00 - 2.00
5A-00220	30199	Sn-126	0 U	0.012	0.0037	0.0237	1.00 - 2.00
5A-00220	30199	Nb-94	0.0033 U	0.011	0.0025	0.0214	1.00 - 2.00
5A-00221	30200	Cd-113m	2.4 U	30	8.9	3030	1.00 - 4.50
5A-00221	30200	Tm-171	-4.3 U J	4	1.3	72.4	1.00 - 4.50
5A-00221	30200	K-40	18.8	0.11	0.92	32.4	1.00 - 4.50
5A-00221	30200	H-3	0.016 U	0.24	0.072	11.9	1.00 - 4.50
5A-00221	30200	Th-228	1.33	0.016	0.065	3.98	1.00 - 4.50
5A-00221	30200	Th-234	1.31 R	0.11	0.085	3.19	1.00 - 4.50
5A-00221	30200	Th-232	1.27	0.01	0.062	3.1	1.00 - 4.50
5A-00221	30200	Pb-212	1.46	0.018	0.081	2.69	1.00 - 4.50
5A-00221	30200	Th-230	1.01	0.008	0.051	2.2	1.00 - 4.50
5A-00221	30200	Bi-212	0.949	0.084	0.066	2.15	1.00 - 4.50
5A-00221	30200	U-233/234	0.757	0.006	0.038	2.02	1.00 - 4.50
5A-00221	30200	U-238	0.771	0.002	0.039	1.8	1.00 - 4.50
5A-00221	30200	Pb-214	0.809	0.018	0.041	1.7	1.00 - 4.50
5A-00221	30200	Bi-214	0.735	0.018	0.038	1.59	1.00 - 4.50
5A-00221	30200	Tl-208	0.443	0.013	0.023	0.937	1.00 - 4.50
5A-00221	30200	Pa-231	0.24	0.32	0.1	0.936	1.00 - 4.50
5A-00221	30200	Sr-90	0.0007 U	0.037	0.011	0.485	1.00 - 4.50
5A-00221	30200	Sb-125	0.018 J L	0.02	0.0093	0.354	1.00 - 4.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00221	30200	Eu-155	0.067 SK	0.026	0.011	0.231	1.00 - 4.50
5A-00221	30200	Ac-227	0.046 U	0.1	0.034	0.217	1.00 - 4.50
5A-00221	30200	Cs-137	0.0086	0.0076	0.0032	0.207	1.00 - 4.50
5A-00221	30200	U-235/236	0.0348	0.0056	0.0054	0.151	1.00 - 4.50
5A-00221	30200	Eu-154	-0.016 U	0.066	0.02	0.15	1.00 - 4.50
5A-00221	30200	Th-229	0.0042	0.0023	0.0019	0.145	1.00 - 4.50
5A-00221	30200	Np-239	-0.002 U	0.064	0.019	0.139	1.00 - 4.50
5A-00221	30200	Cs-134	0.0155 JSK	0.031	0.004	0.0864	1.00 - 4.50
5A-00221	30200	Te-125m	0.0042 J L	0.0046	0.0021	0.0838	1.00 - 4.50
5A-00221	30200	Eu-152	0.0157 K R	0.027	0.0092	0.0566	1.00 - 4.50
5A-00221	30200	Np-236	-0.0041 U	0.024	0.0071	0.047	1.00 - 4.50
5A-00221	30200	Am-241	0 U	0.0098	0.0019	0.0454	1.00 - 4.50
5A-00221	30200	Cm-243/244	-0.0013 U	0.012	0.0023	0.0443	1.00 - 4.50
5A-00221	30200	Ho-166m	0.006 U	0.015	0.0032	0.0432	1.00 - 4.50
5A-00221	30200	Pu-238	0.0016	0.0022	0.0011	0.0415	1.00 - 4.50
5A-00221	30200	Pu-239/240	0.0016	0.0022	0.0011	0.0404	1.00 - 4.50
5A-00221	30200	Cm-245/246	0.0056	0.0075	0.003	0.0401	1.00 - 4.50
5A-00221	30200	Na-22	0.0035 U	0.015	0.0047	0.037	1.00 - 4.50
5A-00221	30200	Am-243	0.007	0.0021	0.0047	0.0333	1.00 - 4.50
5A-00221	30200	Pu-244	0.0016	0.0021	0.0011	0.0313	1.00 - 4.50
5A-00221	30200	Cm-247/248	0.0012 U	0.0034	0.0012	0.0306	1.00 - 4.50
5A-00221	30200	Co-60	-0.0007 U	0.0088	0.0026	0.028	1.00 - 4.50
5A-00221	30200	Sn-126	0.0022 U	0.011	0.0032	0.0237	1.00 - 4.50
5A-00221	30200	Nb-94	0.0045 U	0.0095	0.0029	0.0214	1.00 - 4.50
5A-00222	30201	Cd-113m	-5 U	35	11	3030	2.50 - 7.50
5A-00222	30201	Tm-171	-4.3 U J	4.5	1.4	72.4	2.50 - 7.50
5A-00222	30201	K-40	21.7	0.1	1.1	32.4	2.50 - 7.50
5A-00222	30201	H-3	0.137	0.19	0.06	11.9	2.50 - 7.50
5A-00222	30201	Th-228	1.26	0.012	0.063	3.98	2.50 - 7.50
5A-00222	30201	Th-234	1.49 R	0.13	0.1	3.19	2.50 - 7.50
5A-00222	30201	Th-232	1.22	0.003	0.061	3.1	2.50 - 7.50
5A-00222	30201	Pb-212	1.5	0.021	0.098	2.69	2.50 - 7.50
5A-00222	30201	Th-230	1.09	0.007	0.056	2.2	2.50 - 7.50
5A-00222	30201	Bi-212	0.936	0.095	0.07	2.15	2.50 - 7.50
5A-00222	30201	U-233/234	1	0.003	0.053	2.02	2.50 - 7.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00222	30201	U-238	0.996	0.008	0.053	1.8	2.50 - 7.50
5A-00222	30201	Pb-214	0.953	0.022	0.051	1.7	2.50 - 7.50
5A-00222	30201	Bi-214	0.861	0.023	0.047	1.59	2.50 - 7.50
5A-00222	30201	Tl-208	0.445	0.016	0.025	0.937	2.50 - 7.50
5A-00222	30201	Pa-231	0.04 U	0.51	0.15	0.936	2.50 - 7.50
5A-00222	30201	Sr-90	0.034	0.055	0.017	0.485	2.50 - 7.50
5A-00222	30201	Sb-125	0.137 SK	0.034	0.011	0.354	2.50 - 7.50
5A-00222	30201	Eu-155	0.079 SK	0.03	0.013	0.231	2.50 - 7.50
5A-00222	30201	Ac-227	0.012 U	0.12	0.037	0.217	2.50 - 7.50
5A-00222	30201	Cs-137	-0.0001 U	0.012	0.0035	0.207	2.50 - 7.50
5A-00222	30201	U-235/236	0.0453	0.0035	0.0079	0.151	2.50 - 7.50
5A-00222	30201	Eu-154	-0.038 U	0.085	0.026	0.15	2.50 - 7.50
5A-00222	30201	Th-229	0.0034 U	0.01	0.003	0.145	2.50 - 7.50
5A-00222	30201	Np-239	-0.006 U	0.076	0.023	0.139	2.50 - 7.50
5A-00222	30201	Cs-134	0.0095 U J	0.046	0.0026	0.0864	2.50 - 7.50
5A-00222	30201	Te-125m	0.0316 SK	0.0079	0.0027	0.0838	2.50 - 7.50
5A-00222	30201	Eu-152	0.0028 U	0.031	0.0087	0.0566	2.50 - 7.50
5A-00222	30201	Np-236	0.0063 U	0.023	0.0068	0.047	2.50 - 7.50
5A-00222	30201	Am-241	0.0009 U	0.0086	0.0021	0.0454	2.50 - 7.50
5A-00222	30201	Pu-236	0.0021	0.0053	0.0016	0.0448	2.50 - 7.50
5A-00222	30201	Cm-243/244	0.0019 U	0.0025	0.0013	0.0443	2.50 - 7.50
5A-00222	30201	Ho-166m	0.0008 U	0.02	0.0016	0.0432	2.50 - 7.50
5A-00222	30201	Pu-238	0.0011 U	0.0045	0.0012	0.0415	2.50 - 7.50
5A-00222	30201	Pu-239/240	0 U	0.0021	0.0005	0.0404	2.50 - 7.50
5A-00222	30201	Cm-245/246	0.0011 U	0.01	0.0023	0.0401	2.50 - 7.50
5A-00222	30201	Na-22	0.0074 J	0.0094	0.0029	0.037	2.50 - 7.50
5A-00222	30201	Am-243	0 U	0.0038	0.0008	0.0333	2.50 - 7.50
5A-00222	30201	Pu-244	0.0008 U	0.002	0.0008	0.0313	2.50 - 7.50
5A-00222	30201	Cm-247/248	0.0014 U	0.0037	0.0014	0.0306	2.50 - 7.50
5A-00222	30201	Co-60	0.0045 U	0.013	0.0032	0.028	2.50 - 7.50
5A-00222	30201	Sn-126	0.0107	0.011	0.005	0.0237	2.50 - 7.50
5A-00222	30201	Nb-94	0.002 U J	0.012	0.0023	0.0214	2.50 - 7.50
5A-00223	30267	Cd-113m	-6 U	41	12	3030	1.00 - 5.00
5A-00223	30267	Tm-171	-14.1 U J	10	3.2	72.4	1.00 - 5.00
5A-00223	30267	K-40	22.2	0.1	1.1	32.4	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00223	30267	Th-228	1.1	0.012	0.055	3.98	1.00 - 5.00
5A-00223	30267	Th-234	0.685 R	0.24	0.081	3.19	1.00 - 5.00
5A-00223	30267	Th-232	1.19	0.002	0.058	3.1	1.00 - 5.00
5A-00223	30267	Pb-212	1.53	0.025	0.075	2.69	1.00 - 5.00
5A-00223	30267	Th-230	0.829	0.002	0.043	2.2	1.00 - 5.00
5A-00223	30267	Bi-212	1.04	0.13	0.09	2.15	1.00 - 5.00
5A-00223	30267	U-233/234	0.684	0.011	0.04	2.02	1.00 - 5.00
5A-00223	30267	U-238	0.679	0.011	0.04	1.8	1.00 - 5.00
5A-00223	30267	Pb-214	0.842	0.025	0.049	1.7	1.00 - 5.00
5A-00223	30267	Bi-214	0.776	0.027	0.042	1.59	1.00 - 5.00
5A-00223	30267	Tl-208	0.467	0.019	0.026	0.937	1.00 - 5.00
5A-00223	30267	Pa-231	-0.01 U	0.66	0.2	0.936	1.00 - 5.00
5A-00223	30267	Sr-90	0.002 U	0.038	0.011	0.485	1.00 - 5.00
5A-00223	30267	Sb-125	0.127 SK	0.043	0.012	0.354	1.00 - 5.00
5A-00223	30267	Eu-155	0.085 SK	0.051	0.022	0.231	1.00 - 5.00
5A-00223	30267	Ac-227	0.004 U	0.16	0.047	0.217	1.00 - 5.00
5A-00223	30267	Cs-137	-0.0009 U	0.016	0.0047	0.207	1.00 - 5.00
5A-00223	30267	U-235/236	0.0416	0.013	0.0084	0.151	1.00 - 5.00
5A-00223	30267	Eu-154	-0.036 U	0.11	0.033	0.15	1.00 - 5.00
5A-00223	30267	Th-229	0.0055	0.0081	0.0029	0.145	1.00 - 5.00
5A-00223	30267	Np-239	-0.022 U	0.1	0.03	0.139	1.00 - 5.00
5A-00223	30267	Cs-134	0.0125 U	0.062	0.0063	0.0864	1.00 - 5.00
5A-00223	30267	Te-125m	0.0294 SK	0.01	0.0027	0.0838	1.00 - 5.00
5A-00223	30267	Eu-152	0.0001 U	0.043	0.013	0.0566	1.00 - 5.00
5A-00223	30267	Np-236	-0.003 U	0.039	0.012	0.047	1.00 - 5.00
5A-00223	30267	Am-241	-0.005 U	0.015	0.0025	0.0454	1.00 - 5.00
5A-00223	30267	Cm-243/244	0 U	0.014	0.0031	0.0443	1.00 - 5.00
5A-00223	30267	Ho-166m	0.0088 U	0.026	0.005	0.0432	1.00 - 5.00
5A-00223	30267	Pu-238	0.0037	0.0025	0.0018	0.0415	1.00 - 5.00
5A-00223	30267	Pu-239/240	0.0018	0.0025	0.0013	0.0404	1.00 - 5.00
5A-00223	30267	Cm-245/246	0.0024	0.0032	0.0017	0.0401	1.00 - 5.00
5A-00223	30267	Na-22	0.0024 U	0.025	0.0073	0.037	1.00 - 5.00
5A-00223	30267	Pu-244	0.0018	0.0025	0.0013	0.0313	1.00 - 5.00
5A-00223	30267	Cm-247/248	-0.0007 U	0.0068	0.0007	0.0306	1.00 - 5.00
5A-00223	30267	Co-60	0.0048 U	0.013	0.004	0.028	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00223	30267	Sn-126	0.0029 U	0.017	0.0051	0.0237	1.00 - 5.00
5A-00223	30267	Nb-94	0.0063 U	0.015	0.0045	0.0214	1.00 - 5.00
5A-00224	30268	Cd-113m	3 U	41	12	3030	1.00 - 5.00
5A-00224	30268	Tm-171	-3.2 U	6.9	2.1	72.4	1.00 - 5.00
5A-00224	30268	K-40	24.1	0.2	1.2	32.4	1.00 - 5.00
5A-00224	30268	Th-228	1.27	0.016	0.064	3.98	1.00 - 5.00
5A-00224	30268	Th-234	0.391 R	0.17	0.056	3.19	1.00 - 5.00
5A-00224	30268	Th-232	1.28	0.003	0.065	3.1	1.00 - 5.00
5A-00224	30268	Pb-212	1.47	0.028	0.073	2.69	1.00 - 5.00
5A-00224	30268	Th-230	0.962	0.012	0.051	2.2	1.00 - 5.00
5A-00224	30268	Bi-212	0.969	0.15	0.093	2.15	1.00 - 5.00
5A-00224	30268	U-233/234	0.796	0.003	0.045	2.02	1.00 - 5.00
5A-00224	30268	U-238	0.784	0.003	0.044	1.8	1.00 - 5.00
5A-00224	30268	Pb-214	0.998	0.028	0.058	1.7	1.00 - 5.00
5A-00224	30268	Bi-214	0.937	0.028	0.05	1.59	1.00 - 5.00
5A-00224	30268	Tl-208	0.524	0.018	0.028	0.937	1.00 - 5.00
5A-00224	30268	Pa-231	-0.0008 U	0.59	0.18	0.936	1.00 - 5.00
5A-00224	30268	Sr-90	0.025	0.036	0.011	0.485	1.00 - 5.00
5A-00224	30268	Sb-125	0.123 JSK	0.04	0.011	0.354	1.00 - 5.00
5A-00224	30268	Eu-155	0.03 L	0.036	0.011	0.231	1.00 - 5.00
5A-00224	30268	Ac-227	0.007 U	0.12	0.0099	0.217	1.00 - 5.00
5A-00224	30268	Cs-137	0.0001 U	0.018	0.0053	0.207	1.00 - 5.00
5A-00224	30268	U-235/236	0.0338	0.0038	0.0071	0.151	1.00 - 5.00
5A-00224	30268	Eu-154	-0.043 U	0.11	0.033	0.15	1.00 - 5.00
5A-00224	30268	Th-229	0.008	0.0031	0.003	0.145	1.00 - 5.00
5A-00224	30268	Np-239	-0.019 U	0.088	0.027	0.139	1.00 - 5.00
5A-00224	30268	Cs-134	-0.006 U	0.051	0.01	0.0864	1.00 - 5.00
5A-00224	30268	Te-125m	0.0284 JSK	0.0092	0.0025	0.0838	1.00 - 5.00
5A-00224	30268	Eu-152	-0.016 U	0.034	0.01	0.0566	1.00 - 5.00
5A-00224	30268	Np-236	0.0127 U	0.03	0.0092	0.047	1.00 - 5.00
5A-00224	30268	Am-241	0.0033	0.0061	0.002	0.0454	1.00 - 5.00
5A-00224	30268	Cm-243/244	0 U	0.0061	0.0012	0.0443	1.00 - 5.00
5A-00224	30268	Ho-166m	0.009 U R	0.026	0.0039	0.0432	1.00 - 5.00
5A-00224	30268	Pu-238	0.0027	0.0052	0.0017	0.0415	1.00 - 5.00
5A-00224	30268	Pu-239/240	0.0007 U	0.0019	0.0007	0.0404	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00224	30268	Cm-245/246	0.0018 U	0.0048	0.0018	0.0401	1.00 - 5.00
5A-00224	30268	Na-22	0.0008 U	0.022	0.0065	0.037	1.00 - 5.00
5A-00224	30268	Pu-244	-0.0001 U	0.0051	0.0009	0.0313	1.00 - 5.00
5A-00224	30268	Cm-247/248	0 U	0.0047	0.001	0.0306	1.00 - 5.00
5A-00224	30268	Co-60	-0.0002 U	0.02	0.0059	0.028	1.00 - 5.00
5A-00224	30268	Sn-126	-0.0031 U	0.017	0.005	0.0237	1.00 - 5.00
5A-00224	30268	Nb-94	0.0039 U	0.015	0.0045	0.0214	1.00 - 5.00
5A-00225	30269	Cd-113m	11 U	37	11	3030	1.00 - 5.00
5A-00225	30269	Tm-171	0.3 U	3.8	1.1	72.4	1.00 - 5.00
5A-00225	30269	K-40	20.1	0.12	0.98	32.4	1.00 - 5.00
5A-00225	30269	Th-228	1.26	0.022	0.064	3.98	1.00 - 5.00
5A-00225	30269	Th-234	1.35 R	0.13	0.092	3.19	1.00 - 5.00
5A-00225	30269	Th-232	1.23	0.011	0.062	3.1	1.00 - 5.00
5A-00225	30269	Pb-212	1.46	0.02	0.082	2.69	1.00 - 5.00
5A-00225	30269	Th-230	0.917	0.003	0.049	2.2	1.00 - 5.00
5A-00225	30269	Bi-212	0.864	0.1	0.068	2.15	1.00 - 5.00
5A-00225	30269	U-233/234	0.696	0.007	0.039	2.02	1.00 - 5.00
5A-00225	30269	U-238	0.71	0.002	0.039	1.8	1.00 - 5.00
5A-00225	30269	Pb-214	0.823	0.025	0.043	1.7	1.00 - 5.00
5A-00225	30269	Bi-214	0.745	0.023	0.04	1.59	1.00 - 5.00
5A-00225	30269	Tl-208	0.444	0.018	0.025	0.937	1.00 - 5.00
5A-00225	30269	Pa-231	0.2 U	0.54	0.13	0.936	1.00 - 5.00
5A-00225	30269	Sr-90	0.051	0.038	0.013	0.485	1.00 - 5.00
5A-00225	30269	Sb-125	0.129 JSK	0.038	0.012	0.354	1.00 - 5.00
5A-00225	30269	Eu-155	0.063 SK	0.029	0.012	0.231	1.00 - 5.00
5A-00225	30269	Ac-227	0.038 U	0.13	0.012	0.217	1.00 - 5.00
5A-00225	30269	Cs-137	0.0011 U	0.015	0.0045	0.207	1.00 - 5.00
5A-00225	30269	U-235/236	0.0371	0.003	0.0066	0.151	1.00 - 5.00
5A-00225	30269	Eu-154	0.0198 U	0.091	0.0074	0.15	1.00 - 5.00
5A-00225	30269	Th-229	0.0041	0.011	0.0032	0.145	1.00 - 5.00
5A-00225	30269	Np-239	-0.022 U	0.081	0.024	0.139	1.00 - 5.00
5A-00225	30269	Cs-134	0.0069 U	0.047	0.0026	0.0864	1.00 - 5.00
5A-00225	30269	Te-125m	0.0297 JSK	0.0087	0.0028	0.0838	1.00 - 5.00
5A-00225	30269	Eu-152	-0.002 U	0.035	0.011	0.0566	1.00 - 5.00
5A-00225	30269	Np-236	-0.01 U	0.028	0.0085	0.047	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00225	30269	Am-241	-0.0013 U	0.012	0.0022	0.0454	1.00 - 5.00
5A-00225	30269	Cm-243/244	0.0025 U	0.0034	0.0018	0.0443	1.00 - 5.00
5A-00225	30269	Ho-166m	0.0062 U R	0.024	0.0085	0.0432	1.00 - 5.00
5A-00225	30269	Pu-238	0.002	0.005	0.0015	0.0415	1.00 - 5.00
5A-00225	30269	Pu-239/240	0.0012 U	0.005	0.0013	0.0404	1.00 - 5.00
5A-00225	30269	Cm-245/246	0.0015 U	0.0041	0.0015	0.0401	1.00 - 5.00
5A-00225	30269	Na-22	0.0024 U	0.023	0.0069	0.037	1.00 - 5.00
5A-00225	30269	Pu-244	0.0003 U	0.0049	0.001	0.0313	1.00 - 5.00
5A-00225	30269	Cm-247/248	0.0015 U	0.004	0.0015	0.0306	1.00 - 5.00
5A-00225	30269	Co-60	0.007 U	0.018	0.0054	0.028	1.00 - 5.00
5A-00225	30269	Sn-126	0.0041 U	0.015	0.0045	0.0237	1.00 - 5.00
5A-00225	30269	Nb-94	0.0112 SK	0.011	0.0053	0.0214	1.00 - 5.00
5A-00226	30270	Cd-113m	5.9 U	32	9.7	3030	1.00 - 5.00
5A-00226	30270	Tm-171	3.1 J	5.3	1.6	72.4	1.00 - 5.00
5A-00226	30270	K-40	23.1	0.1	1.1	32.4	1.00 - 5.00
5A-00226	30270	Th-228	1.22	0.01	0.061	3.98	1.00 - 5.00
5A-00226	30270	Th-234	0.647 R	0.13	0.054	3.19	1.00 - 5.00
5A-00226	30270	Th-232	1.24	0.008	0.062	3.1	1.00 - 5.00
5A-00226	30270	Pb-212	1.55	0.02	0.087	2.69	1.00 - 5.00
5A-00226	30270	Th-230	0.793 J	0.009	0.043	2.2	1.00 - 5.00
5A-00226	30270	Bi-212	1.01	0.094	0.072	2.15	1.00 - 5.00
5A-00226	30270	U-233/234	0.648	0.008	0.036	2.02	1.00 - 5.00
5A-00226	30270	U-238	0.614	0.002	0.034	1.8	1.00 - 5.00
5A-00226	30270	Pb-214	0.827	0.023	0.043	1.7	1.00 - 5.00
5A-00226	30270	Bi-214	0.713	0.022	0.038	1.59	1.00 - 5.00
5A-00226	30270	Tl-208	0.461	0.016	0.025	0.937	1.00 - 5.00
5A-00226	30270	Pa-231	0.13 U	0.48	0.15	0.936	1.00 - 5.00
5A-00226	30270	Sr-90	0.009 U	0.046	0.013	0.485	1.00 - 5.00
5A-00226	30270	Sb-125	0.137 SK	0.032	0.011	0.354	1.00 - 5.00
5A-00226	30270	Eu-155	0.084 SK	0.029	0.013	0.231	1.00 - 5.00
5A-00226	30270	Ac-227	0.036 U	0.12	0.032	0.217	1.00 - 5.00
5A-00226	30270	Cs-137	0.0089	0.0082	0.0033	0.207	1.00 - 5.00
5A-00226	30270	U-235/236	0.0394	0.0096	0.0069	0.151	1.00 - 5.00
5A-00226	30270	Eu-154	-0.012 U	0.082	0.024	0.15	1.00 - 5.00
5A-00226	30270	Th-229	0.0031	0.0075	0.0023	0.145	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00226	30270	Np-239	0.02 U	0.072	0.022	0.139	1.00 - 5.00
5A-00226	30270	Cs-134	0.0156 SK	0.0075	0.0026	0.0864	1.00 - 5.00
5A-00226	30270	Te-125m	0.0316 SK	0.0074	0.0026	0.0838	1.00 - 5.00
5A-00226	30270	Eu-152	-0.0042 U	0.031	0.0093	0.0566	1.00 - 5.00
5A-00226	30270	Np-236	-0.0086 U	0.027	0.0081	0.047	1.00 - 5.00
5A-00226	30270	Am-241	0.0009 U	0.0068	0.0016	0.0454	1.00 - 5.00
5A-00226	30270	Cm-243/244	-0.0009 U	0.0086	0.0016	0.0443	1.00 - 5.00
5A-00226	30270	Ho-166m	0.0183 SK	0.019	0.0079	0.0432	1.00 - 5.00
5A-00226	30270	Pu-238	-0.0008 U	0.008	0.0016	0.0415	1.00 - 5.00
5A-00226	30270	Pu-239/240	0.0011 U	0.0047	0.0012	0.0404	1.00 - 5.00
5A-00226	30270	Cm-245/246	0.002 U	0.0027	0.0014	0.0401	1.00 - 5.00
5A-00226	30270	Na-22	0 U	0.019	0.0057	0.037	1.00 - 5.00
5A-00226	30270	Pu-244	0.0067	0.0047	0.0025	0.0313	1.00 - 5.00
5A-00226	30270	Cm-247/248	0.001 U	0.0026	0.001	0.0306	1.00 - 5.00
5A-00226	30270	Co-60	0.0042 U	0.014	0.0039	0.028	1.00 - 5.00
5A-00226	30270	Sn-126	0.0058 U	0.012	0.0037	0.0237	1.00 - 5.00
5A-00226	30270	Nb-94	0.0046 U	0.011	0.0033	0.0214	1.00 - 5.00
5A-00227	30271	Cd-113m	-3 U	35	11	3030	1.00 - 4.00
5A-00227	30271	Tm-171	-5.8 U J	4.5	1.4	72.4	1.00 - 4.00
5A-00227	30271	K-40	20.7	0.1	1.1	32.4	1.00 - 4.00
5A-00227	30271	Th-228	1.47	0.012	0.071	3.98	1.00 - 4.00
5A-00227	30271	Th-234	1.63 R	0.14	0.11	3.19	1.00 - 4.00
5A-00227	30271	Th-232	1.34	0.002	0.066	3.1	1.00 - 4.00
5A-00227	30271	Pb-212	1.61	0.02	0.11	2.69	1.00 - 4.00
5A-00227	30271	Th-230	1.09	0.009	0.055	2.2	1.00 - 4.00
5A-00227	30271	Bi-212	0.982	0.095	0.071	2.15	1.00 - 4.00
5A-00227	30271	U-233/234	0.789	0.015	0.046	2.02	1.00 - 4.00
5A-00227	30271	U-238	0.816	0.003	0.047	1.8	1.00 - 4.00
5A-00227	30271	Pb-214	0.951	0.024	0.051	1.7	1.00 - 4.00
5A-00227	30271	Bi-214	0.822	0.021	0.045	1.59	1.00 - 4.00
5A-00227	30271	Tl-208	0.487	0.016	0.027	0.937	1.00 - 4.00
5A-00227	30271	Pa-231	-0.17 U	0.5	0.15	0.936	1.00 - 4.00
5A-00227	30271	Sr-90	0.01 U	0.037	0.011	0.485	1.00 - 4.00
5A-00227	30271	Sb-125	0.158 SK	0.034	0.012	0.354	1.00 - 4.00
5A-00227	30271	Eu-155	0.072 SK	0.029	0.012	0.231	1.00 - 4.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00227	30271	Ac-227	0.003 U	0.12	0.036	0.217	1.00 - 4.00
5A-00227	30271	Cs-137	-0.0027 U	0.013	0.004	0.207	1.00 - 4.00
5A-00227	30271	U-235/236	0.0476	0.0043	0.0089	0.151	1.00 - 4.00
5A-00227	30271	Eu-154	-0.025 U	0.084	0.025	0.15	1.00 - 4.00
5A-00227	30271	Th-229	0.007	0.0085	0.0033	0.145	1.00 - 4.00
5A-00227	30271	Np-239	-0.028 U	0.072	0.022	0.139	1.00 - 4.00
5A-00227	30271	Cs-134	0.0153 U J	0.044	0.0042	0.0864	1.00 - 4.00
5A-00227	30271	Te-125m	0.0366 SK	0.0079	0.0028	0.0838	1.00 - 4.00
5A-00227	30271	Eu-152	-0.0047 U	0.031	0.0093	0.0566	1.00 - 4.00
5A-00227	30271	Np-236	0.006 U	0.027	0.0082	0.047	1.00 - 4.00
5A-00227	30271	Am-241	-0.0021 U	0.013	0.0029	0.0454	1.00 - 4.00
5A-00227	30271	Cm-243/244	-0.0021 U	0.014	0.0029	0.0443	1.00 - 4.00
5A-00227	30271	Ho-166m	0.0036 U	0.02	0.0038	0.0432	1.00 - 4.00
5A-00227	30271	Pu-238	0.0009 U	0.0024	0.0009	0.0415	1.00 - 4.00
5A-00227	30271	Pu-239/240	0.0035	0.0024	0.0018	0.0404	1.00 - 4.00
5A-00227	30271	Cm-245/246	0.0011 U	0.0029	0.0011	0.0401	1.00 - 4.00
5A-00227	30271	Na-22	-0.0006 U J	0.018	0.0054	0.037	1.00 - 4.00
5A-00227	30271	Pu-244	0.0017	0.0024	0.0012	0.0313	1.00 - 4.00
5A-00227	30271	Cm-247/248	-0.001 U	0.0097	0.0018	0.0306	1.00 - 4.00
5A-00227	30271	Co-60	-0.0031 U	0.015	0.0046	0.028	1.00 - 4.00
5A-00227	30271	Sn-126	0.0021 U	0.013	0.0038	0.0237	1.00 - 4.00
5A-00227	30271	Nb-94	0.0107 JSK	0.0092	0.0029	0.0214	1.00 - 4.00
5A-00228	30272	Cd-113m	8 U	35	10	3030	1.00 - 4.00
5A-00228	30272	Tm-171	-5 U J	4.7	1.5	72.4	1.00 - 4.00
5A-00228	30272	K-40	20	0.1	1	32.4	1.00 - 4.00
5A-00228	30272	Th-228	1.4	0.013	0.069	3.98	1.00 - 4.00
5A-00228	30272	Th-234	1.63 R	0.13	0.11	3.19	1.00 - 4.00
5A-00228	30272	Th-232	1.36	0.009	0.068	3.1	1.00 - 4.00
5A-00228	30272	Pb-212	1.63	0.02	0.11	2.69	1.00 - 4.00
5A-00228	30272	Th-230	1.08	0.003	0.056	2.2	1.00 - 4.00
5A-00228	30272	Bi-212	1.06	0.092	0.074	2.15	1.00 - 4.00
5A-00228	30272	U-233/234	1.02	0.009	0.056	2.02	1.00 - 4.00
5A-00228	30272	U-238	0.999	0.003	0.055	1.8	1.00 - 4.00
5A-00228	30272	Pb-214	0.879	0.023	0.048	1.7	1.00 - 4.00
5A-00228	30272	Bi-214	0.786	0.022	0.043	1.59	1.00 - 4.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00228	30272	Tl-208	0.492	0.015	0.027	0.937	1.00 - 4.00
5A-00228	30272	Pa-231	0.005 U	0.48	0.15	0.936	1.00 - 4.00
5A-00228	30272	Sr-90	0.005 U	0.038	0.011	0.485	1.00 - 4.00
5A-00228	30272	Sb-125	0.161 SK	0.03	0.012	0.354	1.00 - 4.00
5A-00228	30272	Eu-155	0.092 SK	0.031	0.014	0.231	1.00 - 4.00
5A-00228	30272	Ac-227	0.041 U J	0.12	0.049	0.217	1.00 - 4.00
5A-00228	30272	Cs-137	-0.0045 U	0.013	0.004	0.207	1.00 - 4.00
5A-00228	30272	U-235/236	0.054	0.012	0.0098	0.151	1.00 - 4.00
5A-00228	30272	Eu-154	-0.051 L U	0.08	0.025	0.15	1.00 - 4.00
5A-00228	30272	Th-229	0.0019 U	0.011	0.003	0.145	1.00 - 4.00
5A-00228	30272	Np-239	-0.002 U	0.074	0.022	0.139	1.00 - 4.00
5A-00228	30272	Cs-134	0.0201 JSK	0.0073	0.0027	0.0864	1.00 - 4.00
5A-00228	30272	Te-125m	0.0371 SK	0.0069	0.0029	0.0838	1.00 - 4.00
5A-00228	30272	Eu-152	0.0005 U	0.032	0.0096	0.0566	1.00 - 4.00
5A-00228	30272	Np-236	-0.0123 U	0.026	0.008	0.047	1.00 - 4.00
5A-00228	30272	Am-241	-0.0035 U	0.012	0.0025	0.0454	1.00 - 4.00
5A-00228	30272	Pu-236	0.0009 U	0.0023	0.0009	0.0448	1.00 - 4.00
5A-00228	30272	Cm-243/244	0 U	0.0083	0.0018	0.0443	1.00 - 4.00
5A-00228	30272	Ho-166m	0.0042 U	0.02	0.0026	0.0432	1.00 - 4.00
5A-00228	30272	Pu-238	0.0015	0.002	0.0011	0.0415	1.00 - 4.00
5A-00228	30272	Pu-239/240	0.0021	0.0054	0.0016	0.0404	1.00 - 4.00
5A-00228	30272	Cm-245/246	0.0036	0.0048	0.0025	0.0401	1.00 - 4.00
5A-00228	30272	Na-22	-0.0046 U	0.018	0.0053	0.037	1.00 - 4.00
5A-00228	30272	Pu-244	0.0025	0.0044	0.0016	0.0313	1.00 - 4.00
5A-00228	30272	Cm-247/248	-0.0011 U	0.01	0.0011	0.0306	1.00 - 4.00
5A-00228	30272	Co-60	0.0032 U	0.014	0.0033	0.028	1.00 - 4.00
5A-00228	30272	Sn-126	0.0037 U	0.012	0.0038	0.0237	1.00 - 4.00
5A-00228	30272	Nb-94	0.0042 U	0.011	0.0033	0.0214	1.00 - 4.00
5A-00231	30275	Cd-113m	15 U	42	13	3030	1.00 - 3.00
5A-00231	30275	Tm-171	0.9 U	4.3	1.3	72.4	1.00 - 3.00
5A-00231	30275	K-40	20.5	0.1	1	32.4	1.00 - 3.00
5A-00231	30275	Th-228	1.52	0.017	0.076	3.98	1.00 - 3.00
5A-00231	30275	Th-234	1.86 R	0.15	0.12	3.19	1.00 - 3.00
5A-00231	30275	Th-232	1.44	0.003	0.072	3.1	1.00 - 3.00
5A-00231	30275	Pb-212	1.81	0.02	0.1	2.69	1.00 - 3.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00231	30275	Th-230	1.1	0.003	0.058	2.2	1.00 - 3.00
5A-00231	30275	Bi-212	1.28	0.15	0.11	2.15	1.00 - 3.00
5A-00231	30275	U-233/234	0.637	0.006	0.034	2.02	1.00 - 3.00
5A-00231	30275	U-238	0.646	0.005	0.034	1.8	1.00 - 3.00
5A-00231	30275	Pb-214	0.978	0.029	0.05	1.7	1.00 - 3.00
5A-00231	30275	Bi-214	0.87	0.028	0.046	1.59	1.00 - 3.00
5A-00231	30275	Tl-208	0.558	0.018	0.03	0.937	1.00 - 3.00
5A-00231	30275	Pa-231	-0.18 U	0.62	0.19	0.936	1.00 - 3.00
5A-00231	30275	Sr-90	0.0026 U	0.032	0.0094	0.485	1.00 - 3.00
5A-00231	30275	Sb-125	0.173 SK	0.04	0.015	0.354	1.00 - 3.00
5A-00231	30275	Eu-155	0.064 SK	0.034	0.014	0.231	1.00 - 3.00
5A-00231	30275	Ac-227	0.029 U	0.14	0.048	0.217	1.00 - 3.00
5A-00231	30275	Cs-137	0.0028 U	0.013	0.004	0.207	1.00 - 3.00
5A-00231	30275	U-235/236	0.046	0.0022	0.0064	0.151	1.00 - 3.00
5A-00231	30275	Eu-154	-0.034 U	0.1	0.031	0.15	1.00 - 3.00
5A-00231	30275	Th-229	0.0086	0.007	0.0032	0.145	1.00 - 3.00
5A-00231	30275	Np-239	-0.017 U	0.087	0.026	0.139	1.00 - 3.00
5A-00231	30275	Cs-134	0.001 U	0.054	0.016	0.0864	1.00 - 3.00
5A-00231	30275	Te-125m	0.0399 SK	0.0092	0.0034	0.0838	1.00 - 3.00
5A-00231	30275	Eu-152	-0.015 U	0.039	0.012	0.0566	1.00 - 3.00
5A-00231	30275	Np-236	-0.005 U	0.032	0.0096	0.047	1.00 - 3.00
5A-00231	30275	Am-241	0 U	0.0061	0.0012	0.0454	1.00 - 3.00
5A-00231	30275	Cm-243/244	0.0017 U	0.0061	0.0017	0.0443	1.00 - 3.00
5A-00231	30275	Ho-166m	-0.0023 U J	0.025	0.0016	0.0432	1.00 - 3.00
5A-00231	30275	Pu-238	0.0026	0.0045	0.0016	0.0415	1.00 - 3.00
5A-00231	30275	Pu-239/240	0.003	0.0021	0.0015	0.0404	1.00 - 3.00
5A-00231	30275	Cm-245/246	-0.0008 U	0.0081	0.0008	0.0401	1.00 - 3.00
5A-00231	30275	Na-22	0.019	0.016	0.0071	0.037	1.00 - 3.00
5A-00231	30275	Pu-244	0.0015	0.002	0.0011	0.0313	1.00 - 3.00
5A-00231	30275	Cm-247/248	0.0013 U	0.0036	0.0013	0.0306	1.00 - 3.00
5A-00231	30275	Co-60	-0.0025 U	0.018	0.0054	0.028	1.00 - 3.00
5A-00231	30275	Sn-126	0.0006 U	0.017	0.005	0.0237	1.00 - 3.00
5A-00231	30275	Nb-94	0.001 U	0.014	0.002	0.0214	1.00 - 3.00
5A-00232	30276	Cd-113m	8 U	41	12	3030	1.00 - 2.50
5A-00232	30276	Tm-171	-0.4 U	6	1.8	72.4	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00232	30276	K-40	19.6	0.16	0.97	32.4	1.00 - 2.50
5A-00232	30276	Th-228	1.34	0.017	0.068	3.98	1.00 - 2.50
5A-00232	30276	Th-234	0.364 R	0.17	0.055	3.19	1.00 - 2.50
5A-00232	30276	Th-232	1.33	0.003	0.067	3.1	1.00 - 2.50
5A-00232	30276	Pb-212	1.58	0.025	0.089	2.69	1.00 - 2.50
5A-00232	30276	Th-230	0.915	0.004	0.049	2.2	1.00 - 2.50
5A-00232	30276	Bi-212	1.05	0.14	0.089	2.15	1.00 - 2.50
5A-00232	30276	U-233/234	0.431	0.004	0.023	2.02	1.00 - 2.50
5A-00232	30276	U-238	0.419	0.005	0.023	1.8	1.00 - 2.50
5A-00232	30276	Pb-214	0.898	0.027	0.047	1.7	1.00 - 2.50
5A-00232	30276	Bi-214	0.797	0.027	0.043	1.59	1.00 - 2.50
5A-00232	30276	Tl-208	0.469	0.017	0.025	0.937	1.00 - 2.50
5A-00232	30276	Pa-231	0.1 U	0.59	0.069	0.936	1.00 - 2.50
5A-00232	30276	Sr-90	-0.0037 U	0.032	0.0089	0.485	1.00 - 2.50
5A-00232	30276	Sb-125	0.122 SK	0.047	0.011	0.354	1.00 - 2.50
5A-00232	30276	Eu-155	0.079 SK	0.033	0.013	0.231	1.00 - 2.50
5A-00232	30276	Ac-227	0.022 U	0.14	0.06	0.217	1.00 - 2.50
5A-00232	30276	Cs-137	0.0283	0.017	0.006	0.207	1.00 - 2.50
5A-00232	30276	U-235/236	0.0144	0.0017	0.0031	0.151	1.00 - 2.50
5A-00232	30276	Eu-154	-0.055 U	0.11	0.033	0.15	1.00 - 2.50
5A-00232	30276	Th-229	0.0119	0.0082	0.004	0.145	1.00 - 2.50
5A-00232	30276	Np-239	0.003 U	0.09	0.027	0.139	1.00 - 2.50
5A-00232	30276	Cs-134	0.0027 U	0.032	0.003	0.0864	1.00 - 2.50
5A-00232	30276	Te-125m	0.0282 SK	0.011	0.0025	0.0838	1.00 - 2.50
5A-00232	30276	Eu-152	-0.016 U	0.041	0.012	0.0566	1.00 - 2.50
5A-00232	30276	Np-236	-0.0014 U	0.029	0.0087	0.047	1.00 - 2.50
5A-00232	30276	Am-241	-0.0012 U	0.012	0.0022	0.0454	1.00 - 2.50
5A-00232	30276	Cm-243/244	0 U	0.0034	0.0013	0.0443	1.00 - 2.50
5A-00232	30276	Ho-166m	0.015 JSK	0.027	0.011	0.0432	1.00 - 2.50
5A-00232	30276	Pu-238	0.0006 U	0.0088	0.002	0.0415	1.00 - 2.50
5A-00232	30276	Pu-239/240	0.001 U	0.0026	0.001	0.0404	1.00 - 2.50
5A-00232	30276	Cm-245/246	-0.0003 U	0.01	0.0019	0.0401	1.00 - 2.50
5A-00232	30276	Na-22	-0.0031 U	0.027	0.008	0.037	1.00 - 2.50
5A-00232	30276	Pu-244	0.0019	0.0026	0.0014	0.0313	1.00 - 2.50
5A-00232	30276	Cm-247/248	0 U	0.0038	0.0008	0.0306	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00232	30276	Co-60	0.0058 U	0.02	0.0055	0.028	1.00 - 2.50
5A-00232	30276	Sn-126	0.0086 K R	0.014	0.0043	0.0237	1.00 - 2.50
5A-00232	30276	Nb-94	0.0163 SK	0.012	0.0056	0.0214	1.00 - 2.50
5A-00233	30059	Cd-113m	3 U	34	10	3030	0.00 - 0.50
5A-00233	30060	Cd-113m	5.9 U	33	9.8	3030	1.00 - 5.00
5A-00233	30060	Cd-113m	5.9	33	9.8	3030	1.00 - 5.00
5A-00233	30059	Tm-171	2.6	4.3	1.3	72.4	0.00 - 0.50
5A-00233	30060	Tm-171	-0.4 U	5	5.6	72.4	1.00 - 5.00
5A-00233	30060	Tm-171	-0.4	5	5.6	72.4	1.00 - 5.00
5A-00233	30059	K-40	21.5	0.1	1.1	32.4	0.00 - 0.50
5A-00233	30060	K-40	21.2	0.1	1.1	32.4	1.00 - 5.00
5A-00233	30060	K-40	21.2	0.1	1.1	32.4	1.00 - 5.00
5A-00233	30059	Th-228	1.69	0.025	0.083	3.98	0.00 - 0.50
5A-00233	30060	Th-228	1.23	0.016	0.063	3.98	1.00 - 5.00
5A-00233	30060	Th-228	1.23	0.016	0.063	3.98	1.00 - 5.00
5A-00233	30059	Th-234	1.32 R	0.13	0.092	3.19	0.00 - 0.50
5A-00233	30060	Th-234	1.41 R	0.12	0.096	3.19	1.00 - 5.00
5A-00233	30060	Th-234	1.41	0.12	0.096	3.19	1.00 - 5.00
5A-00233	30059	Th-232	1.21	0.002	0.06	3.1	0.00 - 0.50
5A-00233	30060	Th-232	1.22	0.003	0.062	3.1	1.00 - 5.00
5A-00233	30060	Th-232	1.22	0.003	0.062	3.1	1.00 - 5.00
5A-00233	30059	Pb-212	1.64	0.02	0.11	2.69	0.00 - 0.50
5A-00233	30060	Pb-212	1.57	0.02	0.1	2.69	1.00 - 5.00
5A-00233	30060	Pb-212	1.57	0.02	0.1	2.69	1.00 - 5.00
5A-00233	30059	Th-230	0.931	0.009	0.048	2.2	0.00 - 0.50
5A-00233	30060	Th-230	0.983	0.011	0.052	2.2	1.00 - 5.00
5A-00233	30060	Th-230	0.983	0.011	0.052	2.2	1.00 - 5.00
5A-00233	30059	Bi-212	1.03	0.12	0.085	2.15	0.00 - 0.50
5A-00233	30060	Bi-212	1.02	0.12	0.088	2.15	1.00 - 5.00
5A-00233	30060	Bi-212	1.02	0.12	0.088	2.15	1.00 - 5.00
5A-00233	30059	U-233/234	0.677	0.012	0.038	2.02	0.00 - 0.50
5A-00233	30060	U-233/234	0.584	0.011	0.034	2.02	1.00 - 5.00
5A-00233	30060	U-233/234	0.584	0.011	0.034	2.02	1.00 - 5.00
5A-00233	30059	U-238	0.724	0.007	0.04	1.8	0.00 - 0.50
5A-00233	30060	U-238	0.597	0.003	0.035	1.8	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00233	30060	U-238	0.597	0.003	0.035	1.8	1.00 - 5.00
5A-00233	30059	Pb-214	0.908	0.02	0.049	1.7	0.00 - 0.50
5A-00233	30060	Pb-214	0.868	0.021	0.047	1.7	1.00 - 5.00
5A-00233	30060	Pb-214	0.868	0.021	0.047	1.7	1.00 - 5.00
5A-00233	30059	Bi-214	0.805	0.018	0.043	1.59	0.00 - 0.50
5A-00233	30060	Bi-214	0.761	0.02	0.041	1.59	1.00 - 5.00
5A-00233	30060	Bi-214	0.761	0.02	0.041	1.59	1.00 - 5.00
5A-00233	30059	Tl-208	0.491	0.014	0.027	0.937	0.00 - 0.50
5A-00233	30060	Tl-208	0.471	0.015	0.026	0.937	1.00 - 5.00
5A-00233	30060	Tl-208	0.471	0.015	0.026	0.937	1.00 - 5.00
5A-00233	30059	Pa-231	-0.03 U	0.48	0.14	0.936	0.00 - 0.50
5A-00233	30060	Pa-231	-0.0018 U	0.43	0.0014	0.936	1.00 - 5.00
5A-00233	30060	Pa-231	-0.0018	0.43	0.0014	0.936	1.00 - 5.00
5A-00233	30059	Sr-90	0.055	0.047	0.016	0.485	0.00 - 0.50
5A-00233	30060	Sr-90	-0.0003 U	0.036	0.01	0.485	1.00 - 5.00
5A-00233	30060	Sr-90	-0.0003	0.036	0.01	0.485	1.00 - 5.00
5A-00233	30059	Sb-125	0.146 SK	0.034	0.011	0.354	0.00 - 0.50
5A-00233	30060	Sb-125	0.123	0.033	0.0096	0.354	1.00 - 5.00
5A-00233	30060	Sb-125	0.123 SK	0.033	0.0096	0.354	1.00 - 5.00
5A-00233	30059	Eu-155	0.072 SK	0.027	0.011	0.231	0.00 - 0.50
5A-00233	30060	Eu-155	0.076 SK	0.03	0.013	0.231	1.00 - 5.00
5A-00233	30060	Eu-155	0.076	0.03	0.013	0.231	1.00 - 5.00
5A-00233	30059	Ac-227	0.024 U	0.11	0.032	0.217	0.00 - 0.50
5A-00233	30060	Ac-227	0.024	0.11	0.033	0.217	1.00 - 5.00
5A-00233	30060	Ac-227	0.024 U	0.11	0.033	0.217	1.00 - 5.00
5A-00233	30059	Cs-137	0 U	0.012	0.0037	0.207	0.00 - 0.50
5A-00233	30060	Cs-137	0.0025 U	0.012	0.0035	0.207	1.00 - 5.00
5A-00233	30060	Cs-137	0.0025	0.012	0.0035	0.207	1.00 - 5.00
5A-00233	30059	U-235/236	0.027	0.0033	0.0059	0.151	0.00 - 0.50
5A-00233	30060	U-235/236	0.0332	0.011	0.007	0.151	1.00 - 5.00
5A-00233	30060	U-235/236	0.0332	0.011	0.007	0.151	1.00 - 5.00
5A-00233	30059	Eu-154	-0.03 U	0.083	0.025	0.15	0.00 - 0.50
5A-00233	30060	Eu-154	-0.027	0.077	0.023	0.15	1.00 - 5.00
5A-00233	30060	Eu-154	-0.027 U	0.077	0.023	0.15	1.00 - 5.00
5A-00233	30059	Th-229	0.0075	0.007	0.003	0.145	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00233	30060	Th-229	0.0099	0.012	0.0044	0.145	1.00 - 5.00
5A-00233	30060	Th-229	0.0099	0.012	0.0044	0.145	1.00 - 5.00
5A-00233	30059	Np-239	0.017 U	0.07	0.021	0.139	0.00 - 0.50
5A-00233	30060	Np-239	0.001 U	0.07	0.021	0.139	1.00 - 5.00
5A-00233	30060	Np-239	0.001	0.07	0.021	0.139	1.00 - 5.00
5A-00233	30059	Cs-134	0.0106 U	0.044	0.003	0.0864	0.00 - 0.50
5A-00233	30060	Cs-134	0.0099 U	0.037	0.0025	0.0864	1.00 - 5.00
5A-00233	30060	Cs-134	0.0099	0.037	0.0025	0.0864	1.00 - 5.00
5A-00233	30059	Te-125m	0.0337 SK	0.0079	0.0026	0.0838	0.00 - 0.50
5A-00233	30060	Te-125m	0.0284	0.0077	0.0022	0.0838	1.00 - 5.00
5A-00233	30060	Te-125m	0.0284 SK	0.0077	0.0022	0.0838	1.00 - 5.00
5A-00233	30059	Eu-152	0.025 K R	0.03	0.011	0.0566	0.00 - 0.50
5A-00233	30060	Eu-152	-0.009	0.03	0.0091	0.0566	1.00 - 5.00
5A-00233	30060	Eu-152	-0.009 U	0.03	0.0091	0.0566	1.00 - 5.00
5A-00233	30059	Np-236	-0.0041 U	0.026	0.0078	0.047	0.00 - 0.50
5A-00233	30060	Np-236	-0.0042	0.025	0.0077	0.047	1.00 - 5.00
5A-00233	30060	Np-236	-0.0042 U	0.025	0.0077	0.047	1.00 - 5.00
5A-00233	30059	Am-241	0.0045	0.007	0.0024	0.0454	0.00 - 0.50
5A-00233	30060	Am-241	0 U	0.0095	0.002	0.0454	1.00 - 5.00
5A-00233	30060	Am-241	0	0.0095	0.002	0.0454	1.00 - 5.00
5A-00233	30060	Pu-236	-0.0012 U	0.0073	0.0009	0.0448	1.00 - 5.00
5A-00233	30060	Pu-236	-0.0012	0.0073	0.0009	0.0448	1.00 - 5.00
5A-00233	30059	Cm-243/244	-0.0008 U	0.0056	0.0008	0.0443	0.00 - 0.50
5A-00233	30060	Cm-243/244	0.0021 U	0.0076	0.0021	0.0443	1.00 - 5.00
5A-00233	30060	Cm-243/244	0.0021	0.0076	0.0021	0.0443	1.00 - 5.00
5A-00233	30059	Ho-166m	0.0073 U J	0.02	0.0055	0.0432	0.00 - 0.50
5A-00233	30060	Ho-166m	0.0074 U	0.019	0.0045	0.0432	1.00 - 5.00
5A-00233	30060	Ho-166m	0.0074	0.019	0.0045	0.0432	1.00 - 5.00
5A-00233	30059	Pu-238	0.0043	0.0047	0.0017	0.0415	0.00 - 0.50
5A-00233	30060	Pu-238	0.0036	0.0071	0.0023	0.0415	1.00 - 5.00
5A-00233	30060	Pu-238	0.0036	0.0071	0.0023	0.0415	1.00 - 5.00
5A-00233	30059	Pu-239/240	0.0022	0.0012	0.001	0.0404	0.00 - 0.50
5A-00233	30060	Pu-239/240	0.0009	0.0023	0.0009	0.0404	1.00 - 5.00
5A-00233	30060	Pu-239/240	0.0009 U	0.0023	0.0009	0.0404	1.00 - 5.00
5A-00233	30059	Cm-245/246	0.0031	0.0041	0.0022	0.0401	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00233	30060	Cm-245/246	-0.0024	0.011	0.0017	0.0401	1.00 - 5.00
5A-00233	30060	Cm-245/246	-0.0024 U	0.011	0.0017	0.0401	1.00 - 5.00
5A-00233	30059	Na-22	0.0096 L R	0.019	0.0057	0.037	0.00 - 0.50
5A-00233	30060	Na-22	-0.005	0.02	0.029	0.037	1.00 - 5.00
5A-00233	30060	Na-22	-0.005 U	0.02	0.029	0.037	1.00 - 5.00
5A-00233	30059	Pu-244	0 U	0.0012	0.0004	0.0313	0.00 - 0.50
5A-00233	30060	Pu-244	0.0017	0.0023	0.0012	0.0313	1.00 - 5.00
5A-00233	30060	Pu-244	0.0017	0.0023	0.0012	0.0313	1.00 - 5.00
5A-00233	30059	Cm-247/248	0.0006 U	0.0089	0.0017	0.0306	0.00 - 0.50
5A-00233	30060	Cm-247/248	-0.0023	0.011	0.0016	0.0306	1.00 - 5.00
5A-00233	30060	Cm-247/248	-0.0023 U	0.011	0.0016	0.0306	1.00 - 5.00
5A-00233	30059	Co-60	0.0005 U	0.014	0.004	0.028	0.00 - 0.50
5A-00233	30060	Co-60	0.0014	0.013	0.003	0.028	1.00 - 5.00
5A-00233	30060	Co-60	0.0014 U	0.013	0.003	0.028	1.00 - 5.00
5A-00233	30059	Sn-126	0.0154	0.0096	0.0045	0.0237	0.00 - 0.50
5A-00233	30060	Sn-126	-0.0033	0.011	0.0034	0.0237	1.00 - 5.00
5A-00233	30060	Sn-126	-0.0033 U	0.011	0.0034	0.0237	1.00 - 5.00
5A-00233	30059	Nb-94	0.0033 U	0.01	0.0025	0.0214	0.00 - 0.50
5A-00233	30060	Nb-94	0.005 SK	0.0076	0.0017	0.0214	1.00 - 5.00
5A-00233	30060	Nb-94	0.005	0.0076	0.0017	0.0214	1.00 - 5.00
5A-00234	30061	Cd-113m	25.2 U	79.2	24.9	3030	1.00 - 5.00
5A-00234	30061	Tm-171	-0.613 U	9.3	3.23	72.4	1.00 - 5.00
5A-00234	30061	K-40	22.9	0.0791	1.29	32.4	1.00 - 5.00
5A-00234	30061	Th-228	1.33	0.115	0.132	3.98	1.00 - 5.00
5A-00234	30061	Th-234	1.36	0.174	0.119	3.19	1.00 - 5.00
5A-00234	30061	Th-232	1.2	0.0482	0.112	3.1	1.00 - 5.00
5A-00234	30061	Pb-212	1.46	0.0231	0.086	2.69	1.00 - 5.00
5A-00234	30061	Th-230	0.971	0.0483	0.0978	2.2	1.00 - 5.00
5A-00234	30061	Bi-212	0.849	0.0914	0.0597	2.15	1.00 - 5.00
5A-00234	30061	U-233/234	0.928	0.039	0.0919	2.02	1.00 - 5.00
5A-00234	30061	U-238	0.811	0.0631	0.084	1.8	1.00 - 5.00
5A-00234	30061	Pb-214	0.95	0.0201	0.0438	1.7	1.00 - 5.00
5A-00234	30061	Bi-214	0.826	0.0177	0.037	1.59	1.00 - 5.00
5A-00234	30061	Tl-208	0.426	0.0119	0.0234	0.937	1.00 - 5.00
5A-00234	30061	Pa-231	0.108 U	0.473	0.148	0.936	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00234	30061	Sr-90	-0.0265 U	0.225	0.0612	0.485	1.00 - 5.00
5A-00234	30061	Sb-125	0.0133 U	0.0302	0.0093	0.354	1.00 - 5.00
5A-00234	30061	Eu-155	0.0555 SK	0.0424	0.0176	0.231	1.00 - 5.00
5A-00234	30061	Ac-227	-0.084 U J	0.114	0.0409	0.217	1.00 - 5.00
5A-00234	30061	Cs-137	0.0055 J	0.0103	0.0037	0.207	1.00 - 5.00
5A-00234	30061	U-235/236	0.0571	0.0382	0.0192	0.151	1.00 - 5.00
5A-00234	30061	Eu-154	0.0199 U	0.0636	0.0218	0.15	1.00 - 5.00
5A-00234	30061	Th-229	0.0197	0.0484	0.0147	0.145	1.00 - 5.00
5A-00234	30061	Np-239	-0.0254 U	0.0757	0.0241	0.139	1.00 - 5.00
5A-00234	30061	Cs-134	0.008 JSK	0.0104	0.0039	0.0864	1.00 - 5.00
5A-00234	30061	Eu-152	-0.0192 U	0.0283	0.0098	0.0566	1.00 - 5.00
5A-00234	30061	Np-236	-0.0077 U	0.0218	0.0067	0.047	1.00 - 5.00
5A-00234	30061	Am-241	-0.0015 U	0.0114	0.0022	0.0454	1.00 - 5.00
5A-00234	30061	Pu-236	-0.0037 U	0.0219	0.0045	0.0448	1.00 - 5.00
5A-00234	30061	Cm-243/244	-0.0016 U	0.017	0.0035	0.0443	1.00 - 5.00
5A-00234	30061	Ho-166m	-0.0027 U	0.016	0.005	0.0432	1.00 - 5.00
5A-00234	30061	Pu-238	0.0016 U	0.0148	0.0036	0.0415	1.00 - 5.00
5A-00234	30061	Pu-239/240	0.0048 U	0.0208	0.0057	0.0404	1.00 - 5.00
5A-00234	30061	Na-22	-0.0015 U	0.0147	0.005	0.037	1.00 - 5.00
5A-00234	30061	Pu-244	-0.0032 U	0.017	0.0032	0.0313	1.00 - 5.00
5A-00234	30061	Co-60	0.0036 U	0.0118	0.0036	0.028	1.00 - 5.00
5A-00234	30061	Sn-126	0.0022 U	0.0107	0.0033	0.0237	1.00 - 5.00
5A-00234	30061	Nb-94	0.0029 U	0.0096	0.003	0.0214	1.00 - 5.00
5A-00235	30062	Cd-113m	-11 U	88.5	26.3	3030	1.00 - 5.00
5A-00235	30062	Tm-171	-4.19 U	11.8	4.03	72.4	1.00 - 5.00
5A-00235	30062	K-40	23.3	0.0902	1.42	32.4	1.00 - 5.00
5A-00235	30062	Th-228	1.31	0.102	0.138	3.98	1.00 - 5.00
5A-00235	30062	Th-234	1.22	0.203	0.119	3.19	1.00 - 5.00
5A-00235	30062	Th-232	0.931	0.0566	0.102	3.1	1.00 - 5.00
5A-00235	30062	Pb-212	1.48	0.0264	0.0875	2.69	1.00 - 5.00
5A-00235	30062	Th-230	0.818	0.0927	0.0957	2.2	1.00 - 5.00
5A-00235	30062	Bi-212	0.974	0.112	0.0748	2.15	1.00 - 5.00
5A-00235	30062	U-233/234	0.75	0.0618	0.087	2.02	1.00 - 5.00
5A-00235	30062	U-238	0.884	0.0423	0.097	1.8	1.00 - 5.00
5A-00235	30062	Pb-214	0.868	0.0234	0.0411	1.7	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00235	30062	Bi-214	0.792	0.0211	0.0366	1.59	1.00 - 5.00
5A-00235	30062	Tl-208	0.441	0.0138	0.0245	0.937	1.00 - 5.00
5A-00235	30062	Pa-231	-0.0251 U	0.555	0.165	0.936	1.00 - 5.00
5A-00235	30062	Sr-90	0.0242 U K	0.166	0.0473	0.485	1.00 - 5.00
5A-00235	30062	Sb-125	0.0134 U	0.0356	0.0111	0.354	1.00 - 5.00
5A-00235	30062	Eu-155	0.0894 SK	0.0481	0.0213	0.231	1.00 - 5.00
5A-00235	30062	Ac-227	-0.0177 U	0.135	0.0402	0.217	1.00 - 5.00
5A-00235	30062	Cs-137	-0.0046 U	0.0129	0.004	0.207	1.00 - 5.00
5A-00235	30062	U-235/236	0.0213 U	0.0659	0.0188	0.151	1.00 - 5.00
5A-00235	30062	Eu-154	-0.08 U J	0.0781	0.0306	0.15	1.00 - 5.00
5A-00235	30062	Th-229	0.0155 U	0.0718	0.019	0.145	1.00 - 5.00
5A-00235	30062	Np-239	-0.001 U	0.0878	0.0257	0.139	1.00 - 5.00
5A-00235	30062	Cs-134	0.0011 U	0.0121	0.0041	0.0864	1.00 - 5.00
5A-00235	30062	Eu-152	-0.0119 U	0.0327	0.0111	0.0566	1.00 - 5.00
5A-00235	30062	Np-236	-0.0028 U	0.0249	0.0076	0.047	1.00 - 5.00
5A-00235	30062	Am-241	0.0147	0.015	0.0068	0.0454	1.00 - 5.00
5A-00235	30062	Pu-236	0.0063 U	0.0475	0.0126	0.0448	1.00 - 5.00
5A-00235	30062	Cm-243/244	0.0082	0.0074	0.0048	0.0443	1.00 - 5.00
5A-00235	30062	Ho-166m	-0.0073 U	0.0191	0.006	0.0432	1.00 - 5.00
5A-00235	30062	Pu-238	-0.0027 U	0.0516	0.0131	0.0415	1.00 - 5.00
5A-00235	30062	Pu-239/240	-0.0055 U	0.0294	0.0055	0.0404	1.00 - 5.00
5A-00235	30062	Na-22	-0.0098 U	0.0181	0.006	0.037	1.00 - 5.00
5A-00235	30062	Pu-244	0.0273 K	0.0201	0.0096	0.0313	1.00 - 5.00
5A-00235	30062	Co-60	0.0057 U	0.0153	0.0047	0.028	1.00 - 5.00
5A-00235	30062	Sn-126	-0.0001 U	0.0124	0.0037	0.0237	1.00 - 5.00
5A-00235	30062	Nb-94	0.0039 U	0.0114	0.0035	0.0214	1.00 - 5.00
5A-00236	30063	Cd-113m	34.6 U	81.8	25.8	3030	1.00 - 5.00
5A-00236	30063	Tm-171	-0.876 U	8.6	2.88	72.4	1.00 - 5.00
5A-00236	30063	K-40	23.3	0.071	1.3	32.4	1.00 - 5.00
5A-00236	30063	H-3	-0.637 U	9.56	2.82	11.9	1.00 - 5.00
5A-00236	30063	H-3	-0.637 U	9.56	2.82	11.9	1.00 - 5.00
5A-00236	30063	H-3	-0.637 U	9.56	2.82	11.9	1.00 - 5.00
5A-00236	30063	Ni-59	0.222 U	1.94	0.543	8.39	1.00 - 5.00
5A-00236	30063	Ni-63	0.986	1.4	0.438	4.92	1.00 - 5.00
5A-00236	30063	Th-228	1.45	0.0926	0.15	3.98	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00236	30063	Th-234	1.55	0.178	0.131	3.19	1.00 - 5.00
5A-00236	30063	Th-232	1.45	0.0538	0.142	3.1	1.00 - 5.00
5A-00236	30063	C-14	0.329 U	0.865	0.262	2.96	1.00 - 5.00
5A-00236	30063	Pb-212	1.56	0.0224	0.0904	2.69	1.00 - 5.00
5A-00236	30063	Th-230	0.932	0.054	0.104	2.2	1.00 - 5.00
5A-00236	30063	Bi-212	0.973	0.0898	0.0665	2.15	1.00 - 5.00
5A-00236	30063	U-233/234	0.849	0.0275	0.0777	2.02	1.00 - 5.00
5A-00236	30063	U-238	0.96	0.0218	0.0856	1.8	1.00 - 5.00
5A-00236	30063	Pb-214	0.993	0.021	0.0452	1.7	1.00 - 5.00
5A-00236	30063	Tc-99	0.418 U	1.22	0.369	1.63	1.00 - 5.00
5A-00236	30063	Bi-214	0.9	0.0174	0.0401	1.59	1.00 - 5.00
5A-00236	30063	Tl-208	0.464	0.0112	0.0244	0.937	1.00 - 5.00
5A-00236	30063	Pa-231	0.0982 U	0.495	0.165	0.936	1.00 - 5.00
5A-00236	30063	Sr-90	0.0784 U	0.202	0.0604	0.485	1.00 - 5.00
5A-00236	30063	Sb-125	0.0043 U	0.0291	0.0087	0.354	1.00 - 5.00
5A-00236	30063	Eu-155	0.0943 SK	0.0436	0.0193	0.231	1.00 - 5.00
5A-00236	30063	Ac-227	-0.0001 U	0.121	0.0353	0.217	1.00 - 5.00
5A-00236	30063	Cs-137	0.001 U	0.0108	0.0038	0.207	1.00 - 5.00
5A-00236	30063	U-235/236	0.0513	0.0099	0.0142	0.151	1.00 - 5.00
5A-00236	30063	Eu-154	-0.0465 J U	0.0627	0.0221	0.15	1.00 - 5.00
5A-00236	30063	Th-229	0.0147 U	0.117	0.0312	0.145	1.00 - 5.00
5A-00236	30063	Np-239	-0.0153 U	0.0802	0.0254	0.139	1.00 - 5.00
5A-00236	30063	Cs-134	0.0023 U	0.0098	0.0034	0.0864	1.00 - 5.00
5A-00236	30063	Eu-152	-0.0093 U	0.0292	0.0097	0.0566	1.00 - 5.00
5A-00236	30063	Np-236	-0.0151 U	0.0226	0.0082	0.047	1.00 - 5.00
5A-00236	30063	Am-241	0.0148	0.0184	0.0076	0.0454	1.00 - 5.00
5A-00236	30063	Pu-236	0.0133	0.0267	0.0084	0.0448	1.00 - 5.00
5A-00236	30063	Cm-243/244	0	0.0091	0.0034	0.0443	1.00 - 5.00
5A-00236	30063	Ho-166m	0.0014 U	0.0163	0.005	0.0432	1.00 - 5.00
5A-00236	30063	Pu-238	-0.0039 U	0.0378	0.0095	0.0415	1.00 - 5.00
5A-00236	30063	Pu-239/240	-0.0019 U	0.0208	0.0043	0.0404	1.00 - 5.00
5A-00236	30063	Na-22	0.0007 U	0.0139	0.0042	0.037	1.00 - 5.00
5A-00236	30063	Pu-244	0 U	0.0142	0.0027	0.0313	1.00 - 5.00
5A-00236	30063	Co-60	-0.0042 U	0.0114	0.0037	0.028	1.00 - 5.00
5A-00236	30063	Sn-126	-0.001 U	0.0105	0.0032	0.0237	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00236	30063	Nb-94	0.0017 U	0.0094	0.0029	0.0214	1.00 - 5.00
5A-00237	30064	Cd-113m	-1 U	34	10	3030	1.00 - 5.00
5A-00237	30064	Cd-113m	-1	34	10	3030	1.00 - 5.00
5A-00237	30064	Tm-171	-3	5.2	1.6	72.4	1.00 - 5.00
5A-00237	30064	Tm-171	-3 U	5.2	1.6	72.4	1.00 - 5.00
5A-00237	30064	K-40	22.4	0.1	1.1	32.4	1.00 - 5.00
5A-00237	30064	K-40	22.4	0.1	1.1	32.4	1.00 - 5.00
5A-00237	30064	H-3	0.033	0.21	0.063	11.9	1.00 - 5.00
5A-00237	30064	H-3	0.033 U	0.21	0.063	11.9	1.00 - 5.00
5A-00237	30064	Ni-59	0 U L	0.12	0.032	8.39	1.00 - 5.00
5A-00237	30064	Ni-59	0	0.12	0.032	8.39	1.00 - 5.00
5A-00237	30064	Ni-63	0.1	0.41	0.13	4.92	1.00 - 5.00
5A-00237	30064	Ni-63	0.1 U	0.41	0.13	4.92	1.00 - 5.00
5A-00237	30064	Th-228	1.24	0.011	0.061	3.98	1.00 - 5.00
5A-00237	30064	Th-228	1.24	0.011	0.061	3.98	1.00 - 5.00
5A-00237	30064	Th-234	0.473 R	0.14	0.05	3.19	1.00 - 5.00
5A-00237	30064	Th-234	0.473	0.14	0.05	3.19	1.00 - 5.00
5A-00237	30064	Th-232	1.21	0.006	0.06	3.1	1.00 - 5.00
5A-00237	30064	Th-232	1.21	0.006	0.06	3.1	1.00 - 5.00
5A-00237	30064	C-14	0	0.026	0.0079	2.96	1.00 - 5.00
5A-00237	30064	C-14	0 U	0.026	0.0079	2.96	1.00 - 5.00
5A-00237	30064	Pb-212	1.56	0.02	0.1	2.69	1.00 - 5.00
5A-00237	30064	Pb-212	1.56	0.02	0.1	2.69	1.00 - 5.00
5A-00237	30064	Th-230	0.84	0.006	0.044	2.2	1.00 - 5.00
5A-00237	30064	Th-230	0.84	0.006	0.044	2.2	1.00 - 5.00
5A-00237	30064	Bi-212	0.973	0.11	0.083	2.15	1.00 - 5.00
5A-00237	30064	Bi-212	0.973	0.11	0.083	2.15	1.00 - 5.00
5A-00237	30064	U-233/234	0.603	0.008	0.036	2.02	1.00 - 5.00
5A-00237	30064	U-233/234	0.603	0.008	0.036	2.02	1.00 - 5.00
5A-00237	30064	U-238	0.584	0.008	0.035	1.8	1.00 - 5.00
5A-00237	30064	U-238	0.584	0.008	0.035	1.8	1.00 - 5.00
5A-00237	30064	Pb-214	0.807	0.021	0.044	1.7	1.00 - 5.00
5A-00237	30064	Pb-214	0.807	0.021	0.044	1.7	1.00 - 5.00
5A-00237	30064	Tc-99	-0.022 U	0.3	0.09	1.63	1.00 - 5.00
5A-00237	30064	Tc-99	-0.022	0.3	0.09	1.63	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00237	30064	Bi-214	0.711	0.019	0.039	1.59	1.00 - 5.00
5A-00237	30064	Bi-214	0.711	0.019	0.039	1.59	1.00 - 5.00
5A-00237	30064	Tl-208	0.479	0.015	0.026	0.937	1.00 - 5.00
5A-00237	30064	Tl-208	0.479	0.015	0.026	0.937	1.00 - 5.00
5A-00237	30064	Pa-231	0.115 U	0.48	0.077	0.936	1.00 - 5.00
5A-00237	30064	Pa-231	0.115	0.48	0.077	0.936	1.00 - 5.00
5A-00237	30064	Sr-90	0.017 U	0.052	0.016	0.485	1.00 - 5.00
5A-00237	30064	Sr-90	0.017	0.052	0.016	0.485	1.00 - 5.00
5A-00237	30064	Sb-125	0.159 SK	0.031	0.012	0.354	1.00 - 5.00
5A-00237	30064	Sb-125	0.159	0.031	0.012	0.354	1.00 - 5.00
5A-00237	30064	Eu-155	0.083 SK	0.031	0.014	0.231	1.00 - 5.00
5A-00237	30064	Eu-155	0.083	0.031	0.014	0.231	1.00 - 5.00
5A-00237	30064	Ac-227	0.021	0.1	0.039	0.217	1.00 - 5.00
5A-00237	30064	Ac-227	0.021 U	0.1	0.039	0.217	1.00 - 5.00
5A-00237	30064	Cs-137	-0.0049 U	0.012	0.0038	0.207	1.00 - 5.00
5A-00237	30064	Cs-137	-0.0049	0.012	0.0038	0.207	1.00 - 5.00
5A-00237	30064	U-235/236	0.0331	0.01	0.0072	0.151	1.00 - 5.00
5A-00237	30064	U-235/236	0.0331	0.01	0.0072	0.151	1.00 - 5.00
5A-00237	30064	Eu-154	0.008 U	0.07	0.013	0.15	1.00 - 5.00
5A-00237	30064	Eu-154	0.008	0.07	0.013	0.15	1.00 - 5.00
5A-00237	30064	Th-229	0.0007 U	0.0082	0.002	0.145	1.00 - 5.00
5A-00237	30064	Th-229	0.0007	0.0082	0.002	0.145	1.00 - 5.00
5A-00237	30064	Np-239	-0.002 U	0.068	0.02	0.139	1.00 - 5.00
5A-00237	30064	Np-239	-0.002	0.068	0.02	0.139	1.00 - 5.00
5A-00237	30064	Cs-134	0.0121 U	0.034	0.0034	0.0864	1.00 - 5.00
5A-00237	30064	Cs-134	0.0121	0.034	0.0034	0.0864	1.00 - 5.00
5A-00237	30064	Te-125m	0.0367 SK	0.0071	0.0028	0.0838	1.00 - 5.00
5A-00237	30064	Te-125m	0.0367	0.0071	0.0028	0.0838	1.00 - 5.00
5A-00237	30064	Eu-152	-0.0132 U	0.031	0.0095	0.0566	1.00 - 5.00
5A-00237	30064	Eu-152	-0.0132	0.031	0.0095	0.0566	1.00 - 5.00
5A-00237	30064	Np-236	-0.0005	0.026	0.0078	0.047	1.00 - 5.00
5A-00237	30064	Np-236	-0.0005 U	0.026	0.0078	0.047	1.00 - 5.00
5A-00237	30064	Am-241	0.0057	0.0069	0.0027	0.0454	1.00 - 5.00
5A-00237	30064	Am-241	0.0057	0.0069	0.0027	0.0454	1.00 - 5.00
5A-00237	30064	Pu-236	0.002	0.0049	0.0015	0.0448	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00237	30064	Pu-236	0.002	0.0049	0.0015	0.0448	1.00 - 5.00
5A-00237	30064	Cm-243/244	0.0009 U	0.0088	0.0021	0.0443	1.00 - 5.00
5A-00237	30064	Cm-243/244	0.0009	0.0088	0.0021	0.0443	1.00 - 5.00
5A-00237	30064	Ho-166m	0.0009	0.019	0.0009	0.0432	1.00 - 5.00
5A-00237	30064	Ho-166m	0.0009 U	0.019	0.0009	0.0432	1.00 - 5.00
5A-00237	30064	Pu-238	0.0018	0.0065	0.0018	0.0415	1.00 - 5.00
5A-00237	30064	Pu-238	0.0018 U	0.0065	0.0018	0.0415	1.00 - 5.00
5A-00237	30064	Pu-239/240	0.0014	0.0019	0.001	0.0404	1.00 - 5.00
5A-00237	30064	Pu-239/240	0.0014	0.0019	0.001	0.0404	1.00 - 5.00
5A-00237	30064	Cm-245/246	0 U	0.008	0.0018	0.0401	1.00 - 5.00
5A-00237	30064	Cm-245/246	0	0.008	0.0018	0.0401	1.00 - 5.00
5A-00237	30064	Na-22	-0.0009 U	0.019	0.0056	0.037	1.00 - 5.00
5A-00237	30064	Na-22	-0.0009	0.019	0.0056	0.037	1.00 - 5.00
5A-00237	30064	Pu-244	0.0014	0.0019	0.001	0.0313	1.00 - 5.00
5A-00237	30064	Pu-244	0.0014	0.0019	0.001	0.0313	1.00 - 5.00
5A-00237	30064	Cm-247/248	0 U	0.0053	0.001	0.0306	1.00 - 5.00
5A-00237	30064	Cm-247/248	0	0.0053	0.001	0.0306	1.00 - 5.00
5A-00237	30064	Co-60	0.0001 U	0.014	0.0042	0.028	1.00 - 5.00
5A-00237	30064	Co-60	0.0001	0.014	0.0042	0.028	1.00 - 5.00
5A-00237	30064	Sn-126	0.0001 U	0.012	0.0037	0.0237	1.00 - 5.00
5A-00237	30064	Sn-126	0.0001	0.012	0.0037	0.0237	1.00 - 5.00
5A-00237	30064	Nb-94	0.0016	0.011	0.0032	0.0214	1.00 - 5.00
5A-00237	30064	Nb-94	0.0016 U	0.011	0.0032	0.0214	1.00 - 5.00
5A-00238	30065	Cd-113m	4 U	33	10	3030	1.00 - 2.50
5A-00238	30065	Cd-113m	4	33	10	3030	1.00 - 2.50
5A-00238	30065	Tm-171	1.4 U	4.1	1.2	72.4	1.00 - 2.50
5A-00238	30065	Tm-171	1.4	4.1	1.2	72.4	1.00 - 2.50
5A-00238	30065	K-40	22.9	0.1	1.2	32.4	1.00 - 2.50
5A-00238	30065	K-40	22.9	0.1	1.2	32.4	1.00 - 2.50
5A-00238	30065	H-3	0.069	0.21	0.063	11.9	1.00 - 2.50
5A-00238	30065	H-3	0.069 U	0.21	0.063	11.9	1.00 - 2.50
5A-00238	30065	Ni-59	0	0.15	0.041	8.39	1.00 - 2.50
5A-00238	30065	Ni-59	0 U L	0.15	0.041	8.39	1.00 - 2.50
5A-00238	30065	Ni-63	0.11 U	0.45	0.14	4.92	1.00 - 2.50
5A-00238	30065	Ni-63	0.11	0.45	0.14	4.92	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00238	30065	Th-228	1.18	0.019	0.061	3.98	1.00 - 2.50
5A-00238	30065	Th-228	1.18	0.019	0.061	3.98	1.00 - 2.50
5A-00238	30065	Th-234	1.39 R	0.13	0.097	3.19	1.00 - 2.50
5A-00238	30065	Th-234	1.39	0.13	0.097	3.19	1.00 - 2.50
5A-00238	30065	Th-232	1.11	0.003	0.058	3.1	1.00 - 2.50
5A-00238	30065	Th-232	1.11	0.003	0.058	3.1	1.00 - 2.50
5A-00238	30065	C-14	0.0039 U	0.023	0.007	2.96	1.00 - 2.50
5A-00238	30065	C-14	0.0039	0.023	0.007	2.96	1.00 - 2.50
5A-00238	30065	Pb-212	1.58	0.02	0.1	2.69	1.00 - 2.50
5A-00238	30065	Pb-212	1.58	0.02	0.1	2.69	1.00 - 2.50
5A-00238	30065	Th-230	0.777	0.003	0.043	2.2	1.00 - 2.50
5A-00238	30065	Th-230	0.777	0.003	0.043	2.2	1.00 - 2.50
5A-00238	30065	Bi-212	1.01	0.12	0.087	2.15	1.00 - 2.50
5A-00238	30065	Bi-212	1.01	0.12	0.087	2.15	1.00 - 2.50
5A-00238	30065	U-233/234	0.607	0.007	0.035	2.02	1.00 - 2.50
5A-00238	30065	U-233/234	0.607	0.007	0.035	2.02	1.00 - 2.50
5A-00238	30065	U-238	0.586	0.007	0.034	1.8	1.00 - 2.50
5A-00238	30065	U-238	0.586	0.007	0.034	1.8	1.00 - 2.50
5A-00238	30065	Pb-214	0.738	0.022	0.041	1.7	1.00 - 2.50
5A-00238	30065	Pb-214	0.738	0.022	0.041	1.7	1.00 - 2.50
5A-00238	30065	Tc-99	-0.05 U	0.41	0.12	1.63	1.00 - 2.50
5A-00238	30065	Tc-99	-0.05	0.41	0.12	1.63	1.00 - 2.50
5A-00238	30065	Bi-214	0.648	0.021	0.036	1.59	1.00 - 2.50
5A-00238	30065	Bi-214	0.648	0.021	0.036	1.59	1.00 - 2.50
5A-00238	30065	Tl-208	0.481	0.015	0.027	0.937	1.00 - 2.50
5A-00238	30065	Tl-208	0.481	0.015	0.027	0.937	1.00 - 2.50
5A-00238	30065	Pa-231	0.04 U	0.49	0.1	0.936	1.00 - 2.50
5A-00238	30065	Pa-231	0.04	0.49	0.1	0.936	1.00 - 2.50
5A-00238	30065	Sr-90	0.011	0.047	0.014	0.485	1.00 - 2.50
5A-00238	30065	Sr-90	0.011 U	0.047	0.014	0.485	1.00 - 2.50
5A-00238	30065	Sb-125	0.144 SK	0.035	0.012	0.354	1.00 - 2.50
5A-00238	30065	Sb-125	0.144	0.035	0.012	0.354	1.00 - 2.50
5A-00238	30065	Eu-155	0.074	0.031	0.013	0.231	1.00 - 2.50
5A-00238	30065	Eu-155	0.074 SK	0.031	0.013	0.231	1.00 - 2.50
5A-00238	30065	Ac-227	0.063 KR	0.11	0.015	0.217	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00238	30065	Ac-227	0.063	0.11	0.015	0.217	1.00 - 2.50
5A-00238	30065	Cs-137	-0.0027 U	0.011	0.0034	0.207	1.00 - 2.50
5A-00238	30065	Cs-137	-0.0027	0.011	0.0034	0.207	1.00 - 2.50
5A-00238	30065	U-235/236	0.0372	0.0032	0.0069	0.151	1.00 - 2.50
5A-00238	30065	U-235/236	0.0372	0.0032	0.0069	0.151	1.00 - 2.50
5A-00238	30065	Eu-154	-0.024	0.087	0.026	0.15	1.00 - 2.50
5A-00238	30065	Eu-154	-0.024 U	0.087	0.026	0.15	1.00 - 2.50
5A-00238	30065	Th-229	0.0099	0.0033	0.0035	0.145	1.00 - 2.50
5A-00238	30065	Th-229	0.0099	0.0033	0.0035	0.145	1.00 - 2.50
5A-00238	30065	Np-239	-0.0009 U	0.076	0.023	0.139	1.00 - 2.50
5A-00238	30065	Np-239	-0.0009	0.076	0.023	0.139	1.00 - 2.50
5A-00238	30065	Cs-134	0.0135	0.04	0.004	0.0864	1.00 - 2.50
5A-00238	30065	Cs-134	0.0135 U	0.04	0.004	0.0864	1.00 - 2.50
5A-00238	30065	Te-125m	0.0334 SK	0.008	0.0027	0.0838	1.00 - 2.50
5A-00238	30065	Te-125m	0.0334	0.008	0.0027	0.0838	1.00 - 2.50
5A-00238	30065	Eu-152	-0.0008	0.031	0.0025	0.0566	1.00 - 2.50
5A-00238	30065	Eu-152	-0.0008 U	0.031	0.0025	0.0566	1.00 - 2.50
5A-00238	30065	Np-236	-0.0023	0.026	0.0078	0.047	1.00 - 2.50
5A-00238	30065	Np-236	-0.0023 U	0.026	0.0078	0.047	1.00 - 2.50
5A-00238	30065	Am-241	0.0036 U	0.011	0.0032	0.0454	1.00 - 2.50
5A-00238	30065	Am-241	0.0036	0.011	0.0032	0.0454	1.00 - 2.50
5A-00238	30065	Pu-236	0.002	0.0027	0.0014	0.0448	1.00 - 2.50
5A-00238	30065	Pu-236	0.002	0.0027	0.0014	0.0448	1.00 - 2.50
5A-00238	30065	Cm-243/244	-0.0012	0.013	0.0027	0.0443	1.00 - 2.50
5A-00238	30065	Cm-243/244	-0.0012 U	0.013	0.0027	0.0443	1.00 - 2.50
5A-00238	30065	Ho-166m	0.0068 U	0.02	0.0035	0.0432	1.00 - 2.50
5A-00238	30065	Ho-166m	0.0068	0.02	0.0035	0.0432	1.00 - 2.50
5A-00238	30065	Pu-238	0.0025 U	0.0084	0.0024	0.0415	1.00 - 2.50
5A-00238	30065	Pu-238	0.0025	0.0084	0.0024	0.0415	1.00 - 2.50
5A-00238	30065	Pu-239/240	-0.0002 U	0.0061	0.0011	0.0404	1.00 - 2.50
5A-00238	30065	Pu-239/240	-0.0002	0.0061	0.0011	0.0404	1.00 - 2.50
5A-00238	30065	Cm-245/246	0.001	0.0074	0.0017	0.0401	1.00 - 2.50
5A-00238	30065	Cm-245/246	0.001 U	0.0074	0.0017	0.0401	1.00 - 2.50
5A-00238	30065	Na-22	0.002 U	0.017	0.0052	0.037	1.00 - 2.50
5A-00238	30065	Na-22	0.002	0.017	0.0052	0.037	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00238	30065	Pu-244	0 U	0.0023	0.0005	0.0313	1.00 - 2.50
5A-00238	30065	Pu-244	0	0.0023	0.0005	0.0313	1.00 - 2.50
5A-00238	30065	Cm-247/248	0.001	0.0027	0.001	0.0306	1.00 - 2.50
5A-00238	30065	Cm-247/248	0.001 U	0.0027	0.001	0.0306	1.00 - 2.50
5A-00238	30065	Co-60	-0.0003	0.016	0.0006	0.028	1.00 - 2.50
5A-00238	30065	Co-60	-0.0003 U	0.016	0.0006	0.028	1.00 - 2.50
5A-00238	30065	Sn-126	0.0097	0.0091	0.004	0.0237	1.00 - 2.50
5A-00238	30065	Sn-126	0.0097	0.0091	0.004	0.0237	1.00 - 2.50
5A-00238	30065	Nb-94	0.0009	0.0099	0.0017	0.0214	1.00 - 2.50
5A-00238	30065	Nb-94	0.0009 U	0.0099	0.0017	0.0214	1.00 - 2.50
5A-00239	30277	Cd-113m	-2.7 U	33	9.8	3030	1.00 - 5.00
5A-00239	30277	Tm-171	-4 U J	4.6	1.4	72.4	1.00 - 5.00
5A-00239	30277	K-40	20.5	0.1	1	32.4	1.00 - 5.00
5A-00239	30277	Th-228	1.32	0.021	0.066	3.98	1.00 - 5.00
5A-00239	30277	Th-234	1.6 R	0.12	0.1	3.19	1.00 - 5.00
5A-00239	30277	Th-232	1.41	0.011	0.069	3.1	1.00 - 5.00
5A-00239	30277	Pb-212	1.58	0.02	0.1	2.69	1.00 - 5.00
5A-00239	30277	Th-230	1.15	0.002	0.058	2.2	1.00 - 5.00
5A-00239	30277	Bi-212	0.943	0.1	0.072	2.15	1.00 - 5.00
5A-00239	30277	U-233/234	0.4	0.006	0.022	2.02	1.00 - 5.00
5A-00239	30277	U-238	0.419	0.004	0.023	1.8	1.00 - 5.00
5A-00239	30277	Pb-214	1.1	0.02	0.059	1.7	1.00 - 5.00
5A-00239	30277	Bi-214	0.962	0.021	0.052	1.59	1.00 - 5.00
5A-00239	30277	Tl-208	0.477	0.013	0.026	0.937	1.00 - 5.00
5A-00239	30277	Pa-231	0.093 U	0.41	0.08	0.936	1.00 - 5.00
5A-00239	30277	Sr-90	0.004 U	0.041	0.012	0.485	1.00 - 5.00
5A-00239	30277	Sb-125	0.135 JSK	0.034	0.011	0.354	1.00 - 5.00
5A-00239	30277	Eu-155	0.079 SK	0.03	0.014	0.231	1.00 - 5.00
5A-00239	30277	Ac-227	0.018 U	0.11	0.028	0.217	1.00 - 5.00
5A-00239	30277	Cs-137	-0.0093 U J	0.013	0.004	0.207	1.00 - 5.00
5A-00239	30277	U-235/236	0.0193	0.006	0.0038	0.151	1.00 - 5.00
5A-00239	30277	Eu-154	0.02 U	0.058	0.014	0.15	1.00 - 5.00
5A-00239	30277	Th-229	0.0054	0.014	0.0042	0.145	1.00 - 5.00
5A-00239	30277	Np-239	-0.0004 U	0.069	0.021	0.139	1.00 - 5.00
5A-00239	30277	Cs-134	0.0139 SK	0.0078	0.0035	0.0864	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00239	30277	Te-125m	0.0312 JSK	0.0079	0.0025	0.0838	1.00 - 5.00
5A-00239	30277	Eu-152	0.001 U	0.029	0.0012	0.0566	1.00 - 5.00
5A-00239	30277	Np-236	-0.0049 U	0.025	0.0077	0.047	1.00 - 5.00
5A-00239	30277	Am-241	0.0032	0.0029	0.0019	0.0454	1.00 - 5.00
5A-00239	30277	Cm-243/244	0.0011 U	0.01	0.0024	0.0443	1.00 - 5.00
5A-00239	30277	Ho-166m	0.0002 U R	0.019	0.0001	0.0432	1.00 - 5.00
5A-00239	30277	Pu-238	-0.0002 U	0.006	0.0011	0.0415	1.00 - 5.00
5A-00239	30277	Pu-239/240	0.0016	0.0022	0.0012	0.0404	1.00 - 5.00
5A-00239	30277	Cm-245/246	0.0021 U	0.0056	0.0021	0.0401	1.00 - 5.00
5A-00239	30277	Na-22	0 U	0.019	0.0056	0.037	1.00 - 5.00
5A-00239	30277	Pu-244	0.0025	0.0022	0.0014	0.0313	1.00 - 5.00
5A-00239	30277	Cm-247/248	0.004	0.0055	0.0029	0.0306	1.00 - 5.00
5A-00239	30277	Co-60	0.001 U	0.015	0.0026	0.028	1.00 - 5.00
5A-00239	30277	Sn-126	-0.0027 U	0.012	0.0036	0.0237	1.00 - 5.00
5A-00239	30277	Nb-94	0.0037 U	0.011	0.0032	0.0214	1.00 - 5.00
5A-00240	30278	Cd-113m	-0.01 U	29	8.6	3030	1.00 - 5.00
5A-00240	30278	Tm-171	-2.3 U	5.5	1.7	72.4	1.00 - 5.00
5A-00240	30278	K-40	20	0.1	1	32.4	1.00 - 5.00
5A-00240	30278	Th-228	1.37	0.018	0.068	3.98	1.00 - 5.00
5A-00240	30278	Th-234	1.46 R	0.13	0.099	3.19	1.00 - 5.00
5A-00240	30278	Th-232	1.3	0.009	0.065	3.1	1.00 - 5.00
5A-00240	30278	Pb-212	1.5	0.02	0.098	2.69	1.00 - 5.00
5A-00240	30278	Th-230	1.12	0.009	0.057	2.2	1.00 - 5.00
5A-00240	30278	Bi-212	0.978	0.12	0.087	2.15	1.00 - 5.00
5A-00240	30278	U-233/234	0.925	0.01	0.052	2.02	1.00 - 5.00
5A-00240	30278	U-238	0.908	0.004	0.052	1.8	1.00 - 5.00
5A-00240	30278	Pb-214	1.04	0.024	0.056	1.7	1.00 - 5.00
5A-00240	30278	Bi-214	0.922	0.021	0.05	1.59	1.00 - 5.00
5A-00240	30278	Tl-208	0.445	0.014	0.025	0.937	1.00 - 5.00
5A-00240	30278	Pa-231	0.05 U	0.49	0.15	0.936	1.00 - 5.00
5A-00240	30278	Sr-90	0.045	0.038	0.012	0.485	1.00 - 5.00
5A-00240	30278	Sb-125	0.123 JSK	0.034	0.011	0.354	1.00 - 5.00
5A-00240	30278	Eu-155	0.069 SK	0.028	0.012	0.231	1.00 - 5.00
5A-00240	30278	Ac-227	0.056 U	0.12	0.015	0.217	1.00 - 5.00
5A-00240	30278	Cs-137	0 U	0.012	0.0034	0.207	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00240	30278	U-235/236	0.0412	0.0045	0.0084	0.151	1.00 - 5.00
5A-00240	30278	Eu-154	0.012 U	0.081	0.013	0.15	1.00 - 5.00
5A-00240	30278	Th-229	0.0067	0.01	0.0035	0.145	1.00 - 5.00
5A-00240	30278	Np-239	0.015 U	0.06	0.018	0.139	1.00 - 5.00
5A-00240	30278	Cs-134	0.0144 U	0.047	0.0051	0.0864	1.00 - 5.00
5A-00240	30278	Te-125m	0.0285 JSK	0.0078	0.0025	0.0838	1.00 - 5.00
5A-00240	30278	Eu-152	-0.0174 U	0.029	0.0089	0.0566	1.00 - 5.00
5A-00240	30278	Np-236	0.0049 U	0.026	0.0078	0.047	1.00 - 5.00
5A-00240	30278	Am-241	0.0049	0.0072	0.0026	0.0454	1.00 - 5.00
5A-00240	30278	Cm-243/244	-0.001 U	0.0091	0.0017	0.0443	1.00 - 5.00
5A-00240	30278	Ho-166m	0.0235 RSK	0.019	0.0031	0.0432	1.00 - 5.00
5A-00240	30278	Pu-238	0.0053	0.002	0.002	0.0415	1.00 - 5.00
5A-00240	30278	Pu-239/240	0 U	0.002	0.0005	0.0404	1.00 - 5.00
5A-00240	30278	Cm-245/246	0.002 U	0.0028	0.0014	0.0401	1.00 - 5.00
5A-00240	30278	Na-22	-0.0029 U	0.019	0.0058	0.037	1.00 - 5.00
5A-00240	30278	Pu-244	0.0053	0.002	0.002	0.0313	1.00 - 5.00
5A-00240	30278	Cm-247/248	0 U	0.0073	0.0014	0.0306	1.00 - 5.00
5A-00240	30278	Co-60	-0.0033 U	0.015	0.0045	0.028	1.00 - 5.00
5A-00240	30278	Sn-126	0.0031 U	0.0098	0.003	0.0237	1.00 - 5.00
5A-00240	30278	Nb-94	0.014 SK	0.0089	0.0043	0.0214	1.00 - 5.00
5A-00241	30372	Cd-113m	-2 U	37	11	3030	0.00 - 0.50
5A-00241	30372	Tm-171	-1 U	5.3	1.6	72.4	0.00 - 0.50
5A-00241	30372	K-40	20	0.14	0.61	32.4	0.00 - 0.50
5A-00241	30372	Th-228	1.06	0.015	0.055	3.98	0.00 - 0.50
5A-00241	30372	Th-234	0.588 R	0.14	0.049	3.19	0.00 - 0.50
5A-00241	30372	Th-232	1.02	0.002	0.053	3.1	0.00 - 0.50
5A-00241	30372	Pb-212	1.27	0.024	0.052	2.69	0.00 - 0.50
5A-00241	30372	Th-230	0.769	0.012	0.042	2.2	0.00 - 0.50
5A-00241	30372	Bi-212	0.904	0.13	0.076	2.15	0.00 - 0.50
5A-00241	30372	U-233/234	0.754	0.008	0.043	2.02	0.00 - 0.50
5A-00241	30372	U-238	0.728	0.014	0.042	1.8	0.00 - 0.50
5A-00241	30372	Pb-214	0.861	0.025	0.029	1.7	0.00 - 0.50
5A-00241	30372	Bi-214	0.794	0.024	0.028	1.59	0.00 - 0.50
5A-00241	30372	Tl-208	0.412	0.016	0.016	0.937	0.00 - 0.50
5A-00241	30372	Pa-231	0.05 U	0.47	0.14	0.936	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00241	30372	Sr-90	0.031	0.048	0.015	0.485	0.00 - 0.50
5A-00241	30372	Sb-125	0.121 JSK	0.039	0.011	0.354	0.00 - 0.50
5A-00241	30372	Eu-155	0.071 SK	0.031	0.012	0.231	0.00 - 0.50
5A-00241	30372	Ac-227	0.015 U	0.13	0.052	0.217	0.00 - 0.50
5A-00241	30372	Cs-137	0.0421	0.015	0.0058	0.207	0.00 - 0.50
5A-00241	30372	U-235/236	0.0319	0.0098	0.0069	0.151	0.00 - 0.50
5A-00241	30372	Eu-154	0.017 U	0.098	0.025	0.15	0.00 - 0.50
5A-00241	30372	Th-229	0.0156	0.013	0.0058	0.145	0.00 - 0.50
5A-00241	30372	Np-239	-0.003 U	0.082	0.025	0.139	0.00 - 0.50
5A-00241	30372	Cs-134	0.0077 SK	0.01	0.0031	0.0864	0.00 - 0.50
5A-00241	30372	Te-125m	0.028 JSK	0.0091	0.0024	0.0838	0.00 - 0.50
5A-00241	30372	Eu-152	0.009 U	0.032	0.013	0.0566	0.00 - 0.50
5A-00241	30372	Np-236	0.0001 U	0.027	0.0082	0.047	0.00 - 0.50
5A-00241	30372	Am-241	0.0014 U	0.015	0.0039	0.0454	0.00 - 0.50
5A-00241	30372	Pu-236	0.0011 U	0.0039	0.0011	0.0448	0.00 - 0.50
5A-00241	30372	Cm-243/244	-0.0041 U	0.018	0.004	0.0443	0.00 - 0.50
5A-00241	30372	Ho-166m	0.0143 SK	0.022	0.0062	0.0432	0.00 - 0.50
5A-00241	30372	Pu-238	0.0016	0.0014	0.0009	0.0415	0.00 - 0.50
5A-00241	30372	Pu-239/240	0.0026	0.0049	0.0016	0.0404	0.00 - 0.50
5A-00241	30372	Cm-245/246	0.0026 U J	0.0097	0.0027	0.0401	0.00 - 0.50
5A-00241	30372	Na-22	-0.0007 U	0.023	0.0067	0.037	0.00 - 0.50
5A-00241	30372	Pu-244	0.0031	0.0014	0.0013	0.0313	0.00 - 0.50
5A-00241	30372	Cm-247/248	0 U	0.0047	0.0014	0.0306	0.00 - 0.50
5A-00241	30372	Co-60	-0.0001 U	0.017	0.0051	0.028	0.00 - 0.50
5A-00241	30372	Sn-126	-0.0028 U	0.015	0.0044	0.0237	0.00 - 0.50
5A-00241	30372	Nb-94	0.0105 SK	0.011	0.0047	0.0214	0.00 - 0.50
5A-00242	30373	Cd-113m	0.3 U	43	13	3030	0.00 - 0.50
5A-00242	30374	Cd-113m	-5 U	35	11	3030	1.00 - 3.50
5A-00242	30373	Tm-171	0.4 U	4.8	1.5	72.4	0.00 - 0.50
5A-00242	30374	Tm-171	-0.008 U	5.3	1.6	72.4	1.00 - 3.50
5A-00242	30373	K-40	21	0.2	1	32.4	0.00 - 0.50
5A-00242	30374	K-40	19.4	0.15	0.99	32.4	1.00 - 3.50
5A-00242	30373	Th-228	1.17	0.018	0.06	3.98	0.00 - 0.50
5A-00242	30374	Th-228	1.36	0.014	0.068	3.98	1.00 - 3.50
5A-00242	30373	Th-234	0.654 R	0.16	0.061	3.19	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00242	30374	Th-234	1.58 R	0.13	0.11	3.19	1.00 - 3.50
5A-00242	30373	Th-232	1.12	0.003	0.058	3.1	0.00 - 0.50
5A-00242	30374	Th-232	1.29	0.009	0.064	3.1	1.00 - 3.50
5A-00242	30373	Pb-212	1.56	0.024	0.088	2.69	0.00 - 0.50
5A-00242	30374	Pb-212	1.61	0.02	0.11	2.69	1.00 - 3.50
5A-00242	30373	Th-230	0.968	0.009	0.051	2.2	0.00 - 0.50
5A-00242	30374	Th-230	1.02	0.007	0.053	2.2	1.00 - 3.50
5A-00242	30373	Bi-212	0.975	0.14	0.09	2.15	0.00 - 0.50
5A-00242	30374	Bi-212	1.1	0.11	0.084	2.15	1.00 - 3.50
5A-00242	30373	U-233/234	0.796	0.006	0.043	2.02	0.00 - 0.50
5A-00242	30374	U-233/234	0.888	0.015	0.05	2.02	1.00 - 3.50
5A-00242	30373	U-238	0.812	0.002	0.043	1.8	0.00 - 0.50
5A-00242	30374	U-238	0.895	0.003	0.051	1.8	1.00 - 3.50
5A-00242	30373	Pb-214	0.948	0.026	0.049	1.7	0.00 - 0.50
5A-00242	30374	Pb-214	0.843	0.024	0.046	1.7	1.00 - 3.50
5A-00242	30373	Bi-214	0.843	0.03	0.046	1.59	0.00 - 0.50
5A-00242	30374	Bi-214	0.743	0.021	0.041	1.59	1.00 - 3.50
5A-00242	30373	Tl-208	0.457	0.019	0.025	0.937	0.00 - 0.50
5A-00242	30374	Tl-208	0.474	0.015	0.026	0.937	1.00 - 3.50
5A-00242	30373	Pa-231	0.03 U	0.57	0.17	0.936	0.00 - 0.50
5A-00242	30374	Pa-231	0.005 U	0.48	0.15	0.936	1.00 - 3.50
5A-00242	30373	Sr-90	0.012 U	0.037	0.011	0.485	0.00 - 0.50
5A-00242	30374	Sr-90	0.007 U	0.04	0.012	0.485	1.00 - 3.50
5A-00242	30373	Sb-125	0.117 SK	0.047	0.012	0.354	0.00 - 0.50
5A-00242	30374	Sb-125	0.117 SK	0.031	0.0093	0.354	1.00 - 3.50
5A-00242	30373	Eu-155	0.081 SK	0.034	0.014	0.231	0.00 - 0.50
5A-00242	30374	Eu-155	0.052 SK	0.037	0.012	0.231	1.00 - 3.50
5A-00242	30373	Ac-227	0.047 U J	0.14	0.032	0.217	0.00 - 0.50
5A-00242	30374	Ac-227	0.054 U J	0.12	0.039	0.217	1.00 - 3.50
5A-00242	30373	Cs-137	0.0113	0.018	0.0063	0.207	0.00 - 0.50
5A-00242	30374	Cs-137	-0.0039 U	0.013	0.004	0.207	1.00 - 3.50
5A-00242	30373	U-235/236	0.0296	0.003	0.0058	0.151	0.00 - 0.50
5A-00242	30374	U-235/236	0.0398	0.0043	0.0081	0.151	1.00 - 3.50
5A-00242	30373	Eu-154	0.007 U J	0.11	0.015	0.15	0.00 - 0.50
5A-00242	30374	Eu-154	0.016 U J	0.047	0.011	0.15	1.00 - 3.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00242	30373	Th-229	0.0057	0.0071	0.0027	0.145	0.00 - 0.50
5A-00242	30374	Th-229	0.0075	0.0069	0.003	0.145	1.00 - 3.50
5A-00242	30373	Np-239	-0.002 U	0.088	0.027	0.139	0.00 - 0.50
5A-00242	30374	Np-239	-0.013 U	0.077	0.023	0.139	1.00 - 3.50
5A-00242	30373	Cs-134	0.0015 U J	0.014	0.0064	0.0864	0.00 - 0.50
5A-00242	30374	Cs-134	0.004 U J	0.035	0.0045	0.0864	1.00 - 3.50
5A-00242	30373	Te-125m	0.027 SK	0.011	0.0028	0.0838	0.00 - 0.50
5A-00242	30374	Te-125m	0.0271 SK	0.0071	0.0022	0.0838	1.00 - 3.50
5A-00242	30373	Eu-152	-0.006 U	0.04	0.012	0.0566	0.00 - 0.50
5A-00242	30374	Eu-152	0.0149 KR	0.029	0.0079	0.0566	1.00 - 3.50
5A-00242	30373	Np-236	0.0077 U	0.026	0.0078	0.047	0.00 - 0.50
5A-00242	30374	Np-236	-0.0075 U	0.027	0.0083	0.047	1.00 - 3.50
5A-00242	30373	Am-241	-0.0008 U	0.0096	0.0021	0.0454	0.00 - 0.50
5A-00242	30374	Am-241	0.0011 U	0.0083	0.002	0.0454	1.00 - 3.50
5A-00242	30373	Pu-236	0 U	0.0026	0.0006	0.0448	0.00 - 0.50
5A-00242	30374	Pu-236	-0.0006 U	0.0062	0.0006	0.0448	1.00 - 3.50
5A-00242	30373	Cm-243/244	0.0024	0.006	0.0018	0.0443	0.00 - 0.50
5A-00242	30374	Cm-243/244	-0.0023 U	0.012	0.0023	0.0443	1.00 - 3.50
5A-00242	30373	Ho-166m	0.0132 SK	0.027	0.0089	0.0432	0.00 - 0.50
5A-00242	30374	Ho-166m	0.0061 U	0.02	0.0035	0.0432	1.00 - 3.50
5A-00242	30373	Pu-238	0.0023	0.0059	0.0018	0.0415	0.00 - 0.50
5A-00242	30374	Pu-238	0.0053	0.0066	0.0025	0.0415	1.00 - 3.50
5A-00242	30373	Pu-239/240	0.0007 U	0.0059	0.0013	0.0404	0.00 - 0.50
5A-00242	30374	Pu-239/240	0.0031	0.0054	0.0019	0.0404	1.00 - 3.50
5A-00242	30373	Cm-245/246	0.0014 U	0.014	0.0033	0.0401	0.00 - 0.50
5A-00242	30374	Cm-245/246	0.0028 U	0.011	0.003	0.0401	1.00 - 3.50
5A-00242	30373	Na-22	0.0045 U	0.027	0.008	0.037	0.00 - 0.50
5A-00242	30374	Na-22	0.0066 U	0.018	0.0053	0.037	1.00 - 3.50
5A-00242	30373	Pu-244	0.0024	0.0022	0.0014	0.0313	0.00 - 0.50
5A-00242	30374	Pu-244	0.0018	0.0024	0.0013	0.0313	1.00 - 3.50
5A-00242	30373	Cm-247/248	0 U	0.0036	0.0008	0.0306	0.00 - 0.50
5A-00242	30374	Cm-247/248	0.0021 U	0.0089	0.0023	0.0306	1.00 - 3.50
5A-00242	30373	Co-60	0.0011 U	0.02	0.0049	0.028	0.00 - 0.50
5A-00242	30374	Co-60	0.0002 U	0.012	0.0037	0.028	1.00 - 3.50
5A-00242	30373	Sn-126	-0.0001 U	0.016	0.0049	0.0237	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00242	30374	Sn-126	0.0004 U	0.013	0.0038	0.0237	1.00 - 3.50
5A-00242	30373	Nb-94	0.0042 U	0.015	0.0037	0.0214	0.00 - 0.50
5A-00242	30374	Nb-94	0.0038 U	0.011	0.0034	0.0214	1.00 - 3.50
5A-00243	30375	Cd-113m	4.8 U	32	9.7	3030	1.00 - 5.00
5A-00243	30375	Tm-171	-2.7 U J	4	1.2	72.4	1.00 - 5.00
5A-00243	30375	K-40	19.9	0.11	0.97	32.4	1.00 - 5.00
5A-00243	30375	Th-228	1.29	0.015	0.065	3.98	1.00 - 5.00
5A-00243	30375	Th-234	1.5 R	0.13	0.097	3.19	1.00 - 5.00
5A-00243	30375	Th-232	1.3	0.008	0.066	3.1	1.00 - 5.00
5A-00243	30375	Pb-212	1.55	0.018	0.087	2.69	1.00 - 5.00
5A-00243	30375	Th-230	1.03	0.008	0.054	2.2	1.00 - 5.00
5A-00243	30375	Bi-212	0.985	0.094	0.072	2.15	1.00 - 5.00
5A-00243	30375	U-233/234	1 J	0.005	0.06	2.02	1.00 - 5.00
5A-00243	30375	U-238	0.912 J	0.013	0.056	1.8	1.00 - 5.00
5A-00243	30375	Pb-214	0.86	0.021	0.044	1.7	1.00 - 5.00
5A-00243	30375	Bi-214	0.759	0.019	0.039	1.59	1.00 - 5.00
5A-00243	30375	Tl-208	0.466	0.014	0.025	0.937	1.00 - 5.00
5A-00243	30375	Pa-231	0.12 U	0.47	0.096	0.936	1.00 - 5.00
5A-00243	30375	Sr-90	-0.0197 L U	0.036	0.0098	0.485	1.00 - 5.00
5A-00243	30375	Sb-125	0.113 SK	0.031	0.0087	0.354	1.00 - 5.00
5A-00243	30375	Eu-155	0.066 SK	0.028	0.012	0.231	1.00 - 5.00
5A-00243	30375	Ac-227	0.062 J	0.11	0.05	0.217	1.00 - 5.00
5A-00243	30375	Cs-137	0.0001 U	0.014	0.0041	0.207	1.00 - 5.00
5A-00243	30375	U-235/236	0.045 J	0.016	0.011	0.151	1.00 - 5.00
5A-00243	30375	Eu-154	0.0077 U J	0.073	0.0096	0.15	1.00 - 5.00
5A-00243	30375	Th-229	0.0032	0.0029	0.0019	0.145	1.00 - 5.00
5A-00243	30375	Np-239	-0.003 U	0.07	0.021	0.139	1.00 - 5.00
5A-00243	30375	Cs-134	0.0041 U J	0.0085	0.004	0.0864	1.00 - 5.00
5A-00243	30375	Te-125m	0.0262 SK	0.0071	0.002	0.0838	1.00 - 5.00
5A-00243	30375	Eu-152	-0.0064 U	0.028	0.0083	0.0566	1.00 - 5.00
5A-00243	30375	Np-236	0.0002 U	0.026	0.0077	0.047	1.00 - 5.00
5A-00243	30375	Am-241	-0.0011 U	0.013	0.003	0.0454	1.00 - 5.00
5A-00243	30375	Pu-236	-0.0002 U	0.0072	0.0013	0.0448	1.00 - 5.00
5A-00243	30375	Cm-243/244	0.0023 U	0.0031	0.0016	0.0443	1.00 - 5.00
5A-00243	30375	Ho-166m	0.0075 U	0.016	0.0044	0.0432	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00243	30375	Pu-238	0.0003 U	0.0051	0.001	0.0415	1.00 - 5.00
5A-00243	30375	Pu-239/240	0.0026	0.0023	0.0015	0.0404	1.00 - 5.00
5A-00243	30375	Cm-245/246	0 U	0.0084	0.0016	0.0401	1.00 - 5.00
5A-00243	30375	Na-22	0.0026 U	0.017	0.0052	0.037	1.00 - 5.00
5A-00243	30375	Pu-244	0.0003 U	0.0051	0.001	0.0313	1.00 - 5.00
5A-00243	30375	Cm-247/248	-0.0011 U	0.0083	0.0011	0.0306	1.00 - 5.00
5A-00243	30375	Co-60	-0.0001 U	0.012	0.0035	0.028	1.00 - 5.00
5A-00243	30375	Sn-126	0.0008 U	0.012	0.0036	0.0237	1.00 - 5.00
5A-00243	30375	Nb-94	0.0034 U	0.01	0.0022	0.0214	1.00 - 5.00
5A-00244	30066	Cd-113m	20.8 U	79.4	23.8	3030	1.00 - 5.00
5A-00244	30067	Cd-113m	-46.9 U	93.6	32.3	3030	6.50 - 11.50
5A-00244	30066	Tm-171	-5.89 U	10.4	3.72	72.4	1.00 - 5.00
5A-00244	30067	Tm-171	-1.5 U	9.92	3.33	72.4	6.50 - 11.50
5A-00244	30066	K-40	20.1	0.0824	1.22	32.4	1.00 - 5.00
5A-00244	30067	K-40	24.5	0.102	1.31	32.4	6.50 - 11.50
5A-00244	30066	H-3	3.61 U	8.98	2.72	11.9	1.00 - 5.00
5A-00244	30067	H-3	2.37 U	8.96	2.69	11.9	6.50 - 11.50
5A-00244	30066	Ni-59	-1.42 UJ	3.18	0.983	8.39	1.00 - 5.00
5A-00244	30067	Ni-59	-0.151 UJ	1.98	0.572	8.39	6.50 - 11.50
5A-00244	30066	Ni-63	-0.0316 U	1.02	0.304	4.92	1.00 - 5.00
5A-00244	30067	Ni-63	-0.0616 U	1.13	0.338	4.92	6.50 - 11.50
5A-00244	30066	Th-228	1.33	0.0926	0.128	3.98	1.00 - 5.00
5A-00244	30067	Th-228	1.54	0.0623	0.145	3.98	6.50 - 11.50
5A-00244	30066	Th-234	1.23	0.184	0.108	3.19	1.00 - 5.00
5A-00244	30067	Th-234	1.75	0.211	0.135	3.19	6.50 - 11.50
5A-00244	30066	Th-232	1.11	0.0455	0.105	3.1	1.00 - 5.00
5A-00244	30067	Th-232	1.12	0.0184	0.109	3.1	6.50 - 11.50
5A-00244	30066	C-14	0.324 U	0.872	0.264	2.96	1.00 - 5.00
5A-00244	30067	C-14	0.0427 U	0.862	0.258	2.96	6.50 - 11.50
5A-00244	30066	Pb-212	1.34	0.0238	0.0794	2.69	1.00 - 5.00
5A-00244	30067	Pb-212	1.73	0.0282	0.0983	2.69	6.50 - 11.50
5A-00244	30066	Th-230	0.898	0.0456	0.091	2.2	1.00 - 5.00
5A-00244	30067	Th-230	1.23	0.0632	0.117	2.2	6.50 - 11.50
5A-00244	30066	Bi-212	0.895	0.101	0.065	2.15	1.00 - 5.00
5A-00244	30067	Bi-212	1.04	0.118	0.0753	2.15	6.50 - 11.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00244	30066	U-233/234	0.83	0.0358	0.082	2.02	1.00 - 5.00
5A-00244	30067	U-233/234	1.02	0.0104	0.0961	2.02	6.50 - 11.50
5A-00244	30066	U-238	0.933	0.0506	0.0901	1.8	1.00 - 5.00
5A-00244	30067	U-238	1.14	0.0459	0.105	1.8	6.50 - 11.50
5A-00244	30066	Pb-214	0.806	0.0208	0.0381	1.7	1.00 - 5.00
5A-00244	30067	Pb-214	1.09	0.0259	0.0505	1.7	6.50 - 11.50
5A-00244	30066	Tc-99	0.0503 U	1.42	0.418	1.63	1.00 - 5.00
5A-00244	30067	Tc-99	0.0279 U	1.21	0.356	1.63	6.50 - 11.50
5A-00244	30066	Bi-214	0.735	0.0189	0.034	1.59	1.00 - 5.00
5A-00244	30067	Bi-214	1	0.0238	0.0455	1.59	6.50 - 11.50
5A-00244	30066	Tl-208	0.433	0.0121	0.0237	0.937	1.00 - 5.00
5A-00244	30067	Tl-208	0.567	0.0148	0.0307	0.937	6.50 - 11.50
5A-00244	30066	Pa-231	0.11 U	0.502	0.151	0.936	1.00 - 5.00
5A-00244	30067	Pa-231	-0.367 U	0.58	0.202	0.936	6.50 - 11.50
5A-00244	30066	Sr-90	-0.0396 U K	0.204	0.0533	0.485	1.00 - 5.00
5A-00244	30067	Sr-90	0.0228 U	0.206	0.0581	0.485	6.50 - 11.50
5A-00244	30066	Sb-125	0.0033 U	0.0311	0.0095	0.354	1.00 - 5.00
5A-00244	30067	Sb-125	0.0074 U	0.0373	0.0114	0.354	6.50 - 11.50
5A-00244	30066	Eu-155	0.0616 SK	0.044	0.0191	0.231	1.00 - 5.00
5A-00244	30067	Eu-155	0.0822 SK	0.0509	0.0219	0.231	6.50 - 11.50
5A-00244	30066	Ac-227	0.0002 U J	0.121	0.0356	0.217	1.00 - 5.00
5A-00244	30067	Ac-227	-0.0671 U J	0.14	0.0448	0.217	6.50 - 11.50
5A-00244	30066	Cs-137	0.0002 U	0.0112	0.0038	0.207	1.00 - 5.00
5A-00244	30067	Cs-137	-0.0007 U	0.0137	0.0047	0.207	6.50 - 11.50
5A-00244	30066	U-235/236	0.0286	0.0351	0.0136	0.151	1.00 - 5.00
5A-00244	30067	U-235/236	0.0378	0.0128	0.0136	0.151	6.50 - 11.50
5A-00244	30066	Eu-154	0.0229 U	0.0686	0.0235	0.15	1.00 - 5.00
5A-00244	30067	Eu-154	-0.0284 U	0.0805	0.0247	0.15	6.50 - 11.50
5A-00244	30066	Th-229	0.0062 U	0.0669	0.0164	0.145	1.00 - 5.00
5A-00244	30067	Th-229	-0.0136 U	0.0735	0.0137	0.145	6.50 - 11.50
5A-00244	30066	Np-239	-0.027 U	0.0785	0.0241	0.139	1.00 - 5.00
5A-00244	30067	Np-239	0.011 U	0.0929	0.0274	0.139	6.50 - 11.50
5A-00244	30066	Cs-134	-0.0032 U	0.0107	0.0038	0.0864	1.00 - 5.00
5A-00244	30067	Cs-134	-0.0083 U	0.0134	0.0051	0.0864	6.50 - 11.50
5A-00244	30066	Eu-152	-0.0159 U	0.0295	0.0105	0.0566	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00244	30067	Eu-152	-0.0186 U	0.0354	0.0125	0.0566	6.50 - 11.50
5A-00244	30066	Np-236	-0.0025 U	0.0226	0.0069	0.047	1.00 - 5.00
5A-00244	30067	Np-236	-0.0107 U	0.0259	0.0084	0.047	6.50 - 11.50
5A-00244	30066	Am-241	0.0035 U	0.0129	0.0035	0.0454	1.00 - 5.00
5A-00244	30067	Am-241	0.0086	0.016	0.0052	0.0454	6.50 - 11.50
5A-00244	30066	Pu-236	0 U	0.0563	0.0145	0.0448	1.00 - 5.00
5A-00244	30067	Pu-236	-0.0124 U	0.0491	0.0107	0.0448	6.50 - 11.50
5A-00244	30066	Cm-243/244	0.0018 U	0.0166	0.004	0.0443	1.00 - 5.00
5A-00244	30067	Cm-243/244	0.0035 U	0.019	0.005	0.0443	6.50 - 11.50
5A-00244	30066	Ho-166m	-0.0006 U	0.0173	0.0052	0.0432	1.00 - 5.00
5A-00244	30067	Ho-166m	-0.0054 U	0.0208	0.0064	0.0432	6.50 - 11.50
5A-00244	30066	Pu-238	0.0028 U	0.0261	0.0063	0.0415	1.00 - 5.00
5A-00244	30067	Pu-238	0.0027 U	0.025	0.006	0.0415	6.50 - 11.50
5A-00244	30066	Pu-239/240	-0.0084 U	0.0367	0.0074	0.0404	1.00 - 5.00
5A-00244	30067	Pu-239/240	0.0107	0.0197	0.0066	0.0404	6.50 - 11.50
5A-00244	30066	Na-22	-0.0059 U	0.0159	0.0051	0.037	1.00 - 5.00
5A-00244	30067	Na-22	-0.0096 U	0.0186	0.0061	0.037	6.50 - 11.50
5A-00244	30066	Pu-244	0	0.0076	0.0028	0.0313	1.00 - 5.00
5A-00244	30067	Pu-244	0.0027	0.0073	0.0027	0.0313	6.50 - 11.50
5A-00244	30066	Co-60	0.0055 U	0.0132	0.0041	0.028	1.00 - 5.00
5A-00244	30067	Co-60	-0.0047 U	0.0152	0.0047	0.028	6.50 - 11.50
5A-00244	30066	Sn-126	0.0035 U	0.0112	0.0034	0.0237	1.00 - 5.00
5A-00244	30067	Sn-126	-0.0118 U J	0.013	0.0049	0.0237	6.50 - 11.50
5A-00244	30066	Nb-94	0.0019 U	0.01	0.003	0.0214	1.00 - 5.00
5A-00244	30067	Nb-94	0.0093 JSK	0.0127	0.0043	0.0214	6.50 - 11.50
5A-00245	30068	Cd-113m	-49.6 U	103	34.5	3030	1.00 - 5.00
5A-00245	30069	Cd-113m	0.7	35	11	3030	25.00 - 30.00
5A-00245	30069	Cd-113m	0.7 U	35	11	3030	25.00 - 30.00
5A-00245	30068	Tm-171	-2.64 U	11.5	4.06	72.4	1.00 - 5.00
5A-00245	30069	Tm-171	-0.7	5.8	1.7	72.4	25.00 - 30.00
5A-00245	30069	Tm-171	-0.7 U	5.8	1.7	72.4	25.00 - 30.00
5A-00245	30068	K-40	24.5	0.092	1.49	32.4	1.00 - 5.00
5A-00245	30069	K-40	22.1	0.2	1.1	32.4	25.00 - 30.00
5A-00245	30069	K-40	22.1	0.2	1.1	32.4	25.00 - 30.00
5A-00245	30068	H-3	1.78 U	8.13	2.44	11.9	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00245	30069	H-3	0.03	0.21	0.064	11.9	25.00 - 30.00
5A-00245	30069	H-3	0.03 U	0.21	0.064	11.9	25.00 - 30.00
5A-00245	30068	Ni-59	0.17 UJ	3.74	0.957	8.39	1.00 - 5.00
5A-00245	30069	Ni-59	0 U L	0.18	0.048	8.39	25.00 - 30.00
5A-00245	30069	Ni-59	0	0.18	0.048	8.39	25.00 - 30.00
5A-00245	30068	Ni-63	-0.0869 U	1.18	0.352	4.92	1.00 - 5.00
5A-00245	30069	Ni-63	0.16 U	0.52	0.16	4.92	25.00 - 30.00
5A-00245	30069	Ni-63	0.16	0.52	0.16	4.92	25.00 - 30.00
5A-00245	30068	Th-228	1.45	0.13	0.147	3.98	1.00 - 5.00
5A-00245	30069	Th-228	1.29	0.019	0.067	3.98	25.00 - 30.00
5A-00245	30069	Th-228	1.29	0.019	0.067	3.98	25.00 - 30.00
5A-00245	30068	Th-234	1.37	0.232	0.133	3.19	1.00 - 5.00
5A-00245	30069	Th-234	1.51	0.13	0.1	3.19	25.00 - 30.00
5A-00245	30069	Th-234	1.51 R	0.13	0.1	3.19	25.00 - 30.00
5A-00245	30068	Th-232	1.25	0.02	0.121	3.1	1.00 - 5.00
5A-00245	30069	Th-232	1.28	0.008	0.066	3.1	25.00 - 30.00
5A-00245	30069	Th-232	1.28	0.008	0.066	3.1	25.00 - 30.00
5A-00245	30068	C-14	-0.0762 U	0.879	0.261	2.96	1.00 - 5.00
5A-00245	30069	C-14	0.0112 U	0.031	0.0095	2.96	25.00 - 30.00
5A-00245	30069	C-14	0.0112	0.031	0.0095	2.96	25.00 - 30.00
5A-00245	30068	Pb-212	1.66	0.0301	0.101	2.69	1.00 - 5.00
5A-00245	30069	Pb-212	1.6	0.02	0.1	2.69	25.00 - 30.00
5A-00245	30069	Pb-212	1.6	0.02	0.1	2.69	25.00 - 30.00
5A-00245	30068	Th-230	0.879	0.0888	0.0982	2.2	1.00 - 5.00
5A-00245	30069	Th-230	0.908	0.012	0.05	2.2	25.00 - 30.00
5A-00245	30069	Th-230	0.908	0.012	0.05	2.2	25.00 - 30.00
5A-00245	30068	Bi-212	0.968	0.119	0.0825	2.15	1.00 - 5.00
5A-00245	30069	Bi-212	0.963	0.094	0.063	2.15	25.00 - 30.00
5A-00245	30069	Bi-212	0.963	0.094	0.063	2.15	25.00 - 30.00
5A-00245	30068	U-233/234	0.782	0.0275	0.0775	2.02	1.00 - 5.00
5A-00245	30069	U-233/234	0.712	0.005	0.037	2.02	25.00 - 30.00
5A-00245	30069	U-233/234	0.712	0.005	0.037	2.02	25.00 - 30.00
5A-00245	30068	U-238	0.829	0.0402	0.0814	1.8	1.00 - 5.00
5A-00245	30069	U-238	0.7	0.005	0.037	1.8	25.00 - 30.00
5A-00245	30069	U-238	0.7	0.005	0.037	1.8	25.00 - 30.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00245	30068	Pb-214	0.937	0.0261	0.0446	1.7	1.00 - 5.00
5A-00245	30069	Pb-214	0.862	0.022	0.047	1.7	25.00 - 30.00
5A-00245	30069	Pb-214	0.862	0.022	0.047	1.7	25.00 - 30.00
5A-00245	30068	Tc-99	0.197 U	1.19	0.356	1.63	1.00 - 5.00
5A-00245	30069	Tc-99	-0.036	0.27	0.08	1.63	25.00 - 30.00
5A-00245	30069	Tc-99	-0.036 U	0.27	0.08	1.63	25.00 - 30.00
5A-00245	30068	Bi-214	0.845	0.0236	0.039	1.59	1.00 - 5.00
5A-00245	30069	Bi-214	0.738	0.023	0.041	1.59	25.00 - 30.00
5A-00245	30069	Bi-214	0.738	0.023	0.041	1.59	25.00 - 30.00
5A-00245	30068	Tl-208	0.517	0.0149	0.0285	0.937	1.00 - 5.00
5A-00245	30069	Tl-208	0.482	0.015	0.027	0.937	25.00 - 30.00
5A-00245	30069	Tl-208	0.482	0.015	0.027	0.937	25.00 - 30.00
5A-00245	30068	Pa-231	-0.258 U	0.63	0.203	0.936	1.00 - 5.00
5A-00245	30069	Pa-231	0.049 U	0.48	0.099	0.936	25.00 - 30.00
5A-00245	30069	Pa-231	0.049	0.48	0.099	0.936	25.00 - 30.00
5A-00245	30068	Sr-90	0.0302 U K	0.224	0.0637	0.485	1.00 - 5.00
5A-00245	30069	Sr-90	0.011 U	0.045	0.013	0.485	25.00 - 30.00
5A-00245	30069	Sr-90	0.011	0.045	0.013	0.485	25.00 - 30.00
5A-00245	30068	Sb-125	0.0028 U	0.0388	0.0116	0.354	1.00 - 5.00
5A-00245	30069	Sb-125	0.112	0.03	0.0087	0.354	25.00 - 30.00
5A-00245	30069	Sb-125	0.112 SK	0.03	0.0087	0.354	25.00 - 30.00
5A-00245	30068	Eu-155	0.0934 SK	0.0573	0.0232	0.231	1.00 - 5.00
5A-00245	30069	Eu-155	0.067 SK	0.031	0.013	0.231	25.00 - 30.00
5A-00245	30069	Eu-155	0.067	0.031	0.013	0.231	25.00 - 30.00
5A-00245	30068	Ac-227	0.037 U J	0.155	0.0463	0.217	1.00 - 5.00
5A-00245	30069	Ac-227	0.067	0.085	0.02	0.217	25.00 - 30.00
5A-00245	30069	Ac-227	0.067	0.085	0.02	0.217	25.00 - 30.00
5A-00245	30068	Cs-137	-0.005 U	0.0135	0.0043	0.207	1.00 - 5.00
5A-00245	30069	Cs-137	-0.0069 U	0.013	0.0039	0.207	25.00 - 30.00
5A-00245	30069	Cs-137	-0.0069	0.013	0.0039	0.207	25.00 - 30.00
5A-00245	30068	U-235/236	0.0369	0.034	0.0148	0.151	1.00 - 5.00
5A-00245	30069	U-235/236	0.0381	0.0023	0.0059	0.151	25.00 - 30.00
5A-00245	30069	U-235/236	0.0381	0.0023	0.0059	0.151	25.00 - 30.00
5A-00245	30068	Eu-154	-0.0442 U	0.0794	0.0261	0.15	1.00 - 5.00
5A-00245	30069	Eu-154	-0.002 U	0.08	0.0016	0.15	25.00 - 30.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00245	30069	Eu-154	-0.002	0.08	0.0016	0.15	25.00 - 30.00
5A-00245	30068	Th-229	0.0296	0.0688	0.021	0.145	1.00 - 5.00
5A-00245	30069	Th-229	0.0058	0.0085	0.0031	0.145	25.00 - 30.00
5A-00245	30069	Th-229	0.0058	0.0085	0.0031	0.145	25.00 - 30.00
5A-00245	30068	Np-239	-0.0078 U	0.103	0.0303	0.139	1.00 - 5.00
5A-00245	30069	Np-239	0.004 U	0.075	0.023	0.139	25.00 - 30.00
5A-00245	30069	Np-239	0.004	0.075	0.023	0.139	25.00 - 30.00
5A-00245	30068	Cs-134	0.0087 JSK	0.0139	0.0051	0.0864	1.00 - 5.00
5A-00245	30069	Cs-134	0.0176 U	0.036	0.0046	0.0864	25.00 - 30.00
5A-00245	30069	Cs-134	0.0176	0.036	0.0046	0.0864	25.00 - 30.00
5A-00245	30069	Te-125m	0.0259 SK	0.007	0.002	0.0838	25.00 - 30.00
5A-00245	30069	Te-125m	0.0259	0.007	0.002	0.0838	25.00 - 30.00
5A-00245	30068	Eu-152	-0.0184 U	0.0374	0.0172	0.0566	1.00 - 5.00
5A-00245	30069	Eu-152	-0.0046	0.031	0.0094	0.0566	25.00 - 30.00
5A-00245	30069	Eu-152	-0.0046 U	0.031	0.0094	0.0566	25.00 - 30.00
5A-00245	30068	Np-236	0.0123 U	0.0298	0.0102	0.047	1.00 - 5.00
5A-00245	30069	Np-236	0.0003	0.019	0.0056	0.047	25.00 - 30.00
5A-00245	30069	Np-236	0.0003 U	0.019	0.0056	0.047	25.00 - 30.00
5A-00245	30068	Am-241	0.0077	0.0113	0.0041	0.0454	1.00 - 5.00
5A-00245	30069	Am-241	0.0014 U	0.0018	0.001	0.0454	25.00 - 30.00
5A-00245	30069	Am-241	0.0014	0.0018	0.001	0.0454	25.00 - 30.00
5A-00245	30068	Pu-236	0.002	0.0055	0.002	0.0448	1.00 - 5.00
5A-00245	30069	Pu-236	0 U	0.002	0.0005	0.0448	25.00 - 30.00
5A-00245	30069	Pu-236	0	0.002	0.0005	0.0448	25.00 - 30.00
5A-00245	30068	Cm-243/244	-0.0016 U	0.0248	0.0061	0.0443	1.00 - 5.00
5A-00245	30069	Cm-243/244	0.0027	0.005	0.0017	0.0443	25.00 - 30.00
5A-00245	30069	Cm-243/244	0.0027	0.005	0.0017	0.0443	25.00 - 30.00
5A-00245	30068	Ho-166m	-0.0076 U	0.0204	0.0066	0.0432	1.00 - 5.00
5A-00245	30069	Ho-166m	0.0062	0.02	0.0058	0.0432	25.00 - 30.00
5A-00245	30069	Ho-166m	0.0062 U	0.02	0.0058	0.0432	25.00 - 30.00
5A-00245	30068	Pu-238	0.0053	0.013	0.004	0.0415	1.00 - 5.00
5A-00245	30069	Pu-238	0.0026	0.0017	0.0013	0.0415	25.00 - 30.00
5A-00245	30069	Pu-238	0.0026	0.0017	0.0013	0.0415	25.00 - 30.00
5A-00245	30068	Pu-239/240	0.0123	0.0048	0.0047	0.0404	1.00 - 5.00
5A-00245	30069	Pu-239/240	0 U	0.0017	0.0004	0.0404	25.00 - 30.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00245	30069	Pu-239/240	0	0.0017	0.0004	0.0404	25.00 - 30.00
5A-00245	30069	Cm-245/246	0.0011 U	0.0029	0.0011	0.0401	25.00 - 30.00
5A-00245	30069	Cm-245/246	0.0011	0.0029	0.0011	0.0401	25.00 - 30.00
5A-00245	30068	Na-22	0.0006 U	0.0188	0.0056	0.037	1.00 - 5.00
5A-00245	30069	Na-22	-0.001 U	0.019	0.0057	0.037	25.00 - 30.00
5A-00245	30069	Na-22	-0.001	0.019	0.0057	0.037	25.00 - 30.00
5A-00245	30068	Pu-244	0.0035	0.0048	0.0025	0.0313	1.00 - 5.00
5A-00245	30069	Pu-244	0.0026	0.0017	0.0013	0.0313	25.00 - 30.00
5A-00245	30069	Pu-244	0.0026	0.0017	0.0013	0.0313	25.00 - 30.00
5A-00245	30069	Cm-247/248	0 U	0.0029	0.0011	0.0306	25.00 - 30.00
5A-00245	30069	Cm-247/248	0	0.0029	0.0011	0.0306	25.00 - 30.00
5A-00245	30068	Co-60	-0.0008 U	0.0141	0.0042	0.028	1.00 - 5.00
5A-00245	30069	Co-60	0.0007	0.014	0.0034	0.028	25.00 - 30.00
5A-00245	30069	Co-60	0.0007 U	0.014	0.0034	0.028	25.00 - 30.00
5A-00245	30068	Sn-126	0.0014 U	0.0132	0.004	0.0237	1.00 - 5.00
5A-00245	30069	Sn-126	-0.0011	0.013	0.0039	0.0237	25.00 - 30.00
5A-00245	30069	Sn-126	-0.0011 U	0.013	0.0039	0.0237	25.00 - 30.00
5A-00245	30068	Nb-94	0.0036 U	0.0118	0.0037	0.0214	1.00 - 5.00
5A-00245	30069	Nb-94	0.005	0.011	0.0033	0.0214	25.00 - 30.00
5A-00245	30069	Nb-94	0.005 U	0.011	0.0033	0.0214	25.00 - 30.00
5A-00246	30070	Cd-113m	18.6 U	87.4	26	3030	1.00 - 5.00
5A-00246	30071	Cd-113m	-3.4 U	77.3	24.5	3030	5.00 - 10.00
5A-00246	30070	Tm-171	-0.119 U	11.2	3.68	72.4	1.00 - 5.00
5A-00246	30071	Tm-171	-0.404 U	7.91	2.78	72.4	5.00 - 10.00
5A-00246	30070	K-40	23.1	0.101	1.4	32.4	1.00 - 5.00
5A-00246	30071	K-40	22.8	0.0698	1.34	32.4	5.00 - 10.00
5A-00246	30070	H-3	2.9 U	8.7	2.62	11.9	1.00 - 5.00
5A-00246	30071	H-3	-1.8 U	8.72	2.55	11.9	5.00 - 10.00
5A-00246	30070	Ni-59	0.199 UJ	1.91	0.499	8.39	1.00 - 5.00
5A-00246	30071	Ni-59	-1.58 UJ	2.67	0.893	8.39	5.00 - 10.00
5A-00246	30070	Ni-63	-0.0411 U	0.963	0.288	4.92	1.00 - 5.00
5A-00246	30071	Ni-63	0.027 U	0.993	0.297	4.92	5.00 - 10.00
5A-00246	30070	Th-228	1.58	0.114	0.152	3.98	1.00 - 5.00
5A-00246	30071	Th-228	1.52	0.103	0.152	3.98	5.00 - 10.00
5A-00246	30070	Th-234	1.35	0.196	0.118	3.19	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00246	30071	Th-234	1.25	0.168	0.0979	3.19	5.00 - 10.00
5A-00246	30070	Th-232	1.14	0.0513	0.112	3.1	1.00 - 5.00
5A-00246	30071	Th-232	1.08	0.0207	0.111	3.1	5.00 - 10.00
5A-00246	30070	C-14	-0.161 U	0.867	0.257	2.96	1.00 - 5.00
5A-00246	30071	C-14	0.199 U	0.878	0.264	2.96	5.00 - 10.00
5A-00246	30070	Pb-212	1.51	0.0252	0.0894	2.69	1.00 - 5.00
5A-00246	30071	Pb-212	1.42	0.0227	0.086	2.69	5.00 - 10.00
5A-00246	30070	Th-230	0.762	0.065	0.0867	2.2	1.00 - 5.00
5A-00246	30071	Th-230	0.805	0.0208	0.092	2.2	5.00 - 10.00
5A-00246	30070	Bi-212	0.9	0.11	0.0709	2.15	1.00 - 5.00
5A-00246	30071	Bi-212	0.877	0.089	0.0619	2.15	5.00 - 10.00
5A-00246	30070	U-233/234	0.754	0.0104	0.0758	2.02	1.00 - 5.00
5A-00246	30071	U-233/234	0.899	0.0615	0.0895	2.02	5.00 - 10.00
5A-00246	30070	U-238	0.833	0.0355	0.082	1.8	1.00 - 5.00
5A-00246	30071	U-238	0.757	0.0301	0.0778	1.8	5.00 - 10.00
5A-00246	30070	Pb-214	0.834	0.0226	0.0392	1.7	1.00 - 5.00
5A-00246	30071	Pb-214	0.832	0.0201	0.0396	1.7	5.00 - 10.00
5A-00246	30070	Tc-99	-0.0735 U	1.26	0.368	1.63	1.00 - 5.00
5A-00246	30071	Tc-99	0.0337 U	1.46	0.43	1.63	5.00 - 10.00
5A-00246	30070	Bi-214	0.767	0.0204	0.0356	1.59	1.00 - 5.00
5A-00246	30071	Bi-214	0.745	0.0176	0.0336	1.59	5.00 - 10.00
5A-00246	30070	Tl-208	0.458	0.0136	0.0251	0.937	1.00 - 5.00
5A-00246	30071	Tl-208	0.418	0.0115	0.0227	0.937	5.00 - 10.00
5A-00246	30070	Pa-231	0.0473 U	0.53	0.157	0.936	1.00 - 5.00
5A-00246	30071	Pa-231	-0.218 U	0.465	0.158	0.936	5.00 - 10.00
5A-00246	30070	Sr-90	-0.003 U	0.23	0.0642	0.485	1.00 - 5.00
5A-00246	30071	Sr-90	0.0411 U	0.205	0.0591	0.485	5.00 - 10.00
5A-00246	30070	Sb-125	0.005 U	0.034	0.0104	0.354	1.00 - 5.00
5A-00246	30071	Sb-125	0.0079 U	0.0287	0.0086	0.354	5.00 - 10.00
5A-00246	30070	Eu-155	0.0472 SK	0.048	0.0165	0.231	1.00 - 5.00
5A-00246	30071	Eu-155	0.0639 SK	0.0419	0.0169	0.231	5.00 - 10.00
5A-00246	30070	Ac-227	-0.0559 U J	0.129	0.0407	0.217	1.00 - 5.00
5A-00246	30071	Ac-227	0.0388 U J	0.116	0.0361	0.217	5.00 - 10.00
5A-00246	30070	Cs-137	-0.0019 U	0.0123	0.0037	0.207	1.00 - 5.00
5A-00246	30071	Cs-137	-0.0069 U	0.01	0.0035	0.207	5.00 - 10.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00246	30070	U-235/236	0.0567	0.0348	0.0181	0.151	1.00 - 5.00
5A-00246	30071	U-235/236	0.0304	0.0137	0.0126	0.151	5.00 - 10.00
5A-00246	30070	Eu-154	-0.0586 U J	0.0736	0.0263	0.15	1.00 - 5.00
5A-00246	30071	Eu-154	0.0142 U	0.0597	0.0205	0.15	5.00 - 10.00
5A-00246	30070	Th-229	0.0421	0.0516	0.02	0.145	1.00 - 5.00
5A-00246	30071	Th-229	0 U	0.0924	0.0217	0.145	5.00 - 10.00
5A-00246	30070	Np-239	-0.0387 U	0.0837	0.0264	0.139	1.00 - 5.00
5A-00246	30071	Np-239	0.0082 U	0.0778	0.0236	0.139	5.00 - 10.00
5A-00246	30070	Cs-134	-0.0003 U	0.0117	0.004	0.0864	1.00 - 5.00
5A-00246	30071	Cs-134	0.0043 U	0.01	0.0035	0.0864	5.00 - 10.00
5A-00246	30070	Eu-152	-0.018 U	0.032	0.0114	0.0566	1.00 - 5.00
5A-00246	30071	Eu-152	0.0032 U	0.0283	0.01	0.0566	5.00 - 10.00
5A-00246	30070	Np-236	-0.0053 U	0.0243	0.0075	0.047	1.00 - 5.00
5A-00246	30071	Np-236	-0.0132 U	0.0216	0.0073	0.047	5.00 - 10.00
5A-00246	30070	Am-241	0.008	0.0185	0.0057	0.0454	1.00 - 5.00
5A-00246	30071	Am-241	0.0139	0.0166	0.006	0.0454	5.00 - 10.00
5A-00246	30070	Pu-236	0.0032	0.0043	0.0023	0.0448	1.00 - 5.00
5A-00246	30071	Pu-236	0.0038	0.0051	0.0027	0.0448	5.00 - 10.00
5A-00246	30070	Cm-243/244	0 U	0.0219	0.005	0.0443	1.00 - 5.00
5A-00246	30071	Cm-243/244	-0.0079 U	0.025	0.0052	0.0443	5.00 - 10.00
5A-00246	30070	Ho-166m	-0.0025 U	0.0188	0.0057	0.0432	1.00 - 5.00
5A-00246	30071	Ho-166m	-0.0008 U	0.0157	0.0048	0.0432	5.00 - 10.00
5A-00246	30070	Pu-238	-0.0055 U	0.0182	0.0034	0.0415	1.00 - 5.00
5A-00246	30071	Pu-238	0.0033 U	0.0121	0.0033	0.0415	5.00 - 10.00
5A-00246	30070	Pu-239/240	0.0028 U	0.0128	0.0034	0.0404	1.00 - 5.00
5A-00246	30071	Pu-239/240	0.0049 U	0.0246	0.0067	0.0404	5.00 - 10.00
5A-00246	30070	Na-22	-0.0074 U	0.0177	0.0057	0.037	1.00 - 5.00
5A-00246	30071	Na-22	0.0015 U	0.0142	0.005	0.037	5.00 - 10.00
5A-00246	30070	Pu-244	0.0041	0.0037	0.0024	0.0313	1.00 - 5.00
5A-00246	30071	Pu-244	0.0065	0.0044	0.0033	0.0313	5.00 - 10.00
5A-00246	30070	Co-60	0.0002 U	0.0142	0.0042	0.028	1.00 - 5.00
5A-00246	30071	Co-60	-0.0033 U	0.0109	0.0034	0.028	5.00 - 10.00
5A-00246	30070	Sn-126	-0.0034 U	0.012	0.0037	0.0237	1.00 - 5.00
5A-00246	30071	Sn-126	-0.0023 U	0.0098	0.003	0.0237	5.00 - 10.00
5A-00246	30070	Nb-94	0.0044 U	0.011	0.0034	0.0214	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00246	30071	Nb-94	0.0001 U	0.009	0.0027	0.0214	5.00 - 10.00
5A-00247	30072	Cd-113m	-34.9 U	94.7	31.9	3030	1.00 - 5.00
5A-00247	30073	Cd-113m	29.2 U	101	33.8	3030	7.00 - 12.00
5A-00247	30072	Tm-171	-8.86 U	15.4	5.61	72.4	1.00 - 5.00
5A-00247	30073	Tm-171	-8.31 U	12.3	4.89	72.4	7.00 - 12.00
5A-00247	30072	K-40	21.4	0.0851	1.32	32.4	1.00 - 5.00
5A-00247	30073	K-40	24.5	0.0933	1.41	32.4	7.00 - 12.00
5A-00247	30072	H-3	-0.96 U	8.35	2.46	11.9	1.00 - 5.00
5A-00247	30073	H-3	2.69 U	7.81	2.35	11.9	7.00 - 12.00
5A-00247	30072	Ni-59	0.0375 UJ	2.38	0.672	8.39	1.00 - 5.00
5A-00247	30073	Ni-59	-0.135 UJ	1.65	0.467	8.39	7.00 - 12.00
5A-00247	30072	Ni-63	0 U	0.993	0.297	4.92	1.00 - 5.00
5A-00247	30073	Ni-63	0.0951 U	1.08	0.323	4.92	7.00 - 12.00
5A-00247	30072	Th-228	1.46	0.0782	0.134	3.98	1.00 - 5.00
5A-00247	30073	Th-228	1.55	0.12	0.149	3.98	7.00 - 12.00
5A-00247	30072	Th-234	1.34	0.234	0.132	3.19	1.00 - 5.00
5A-00247	30073	Th-234	1.48	0.233	0.14	3.19	7.00 - 12.00
5A-00247	30072	Th-232	0.985	0.0158	0.0946	3.1	1.00 - 5.00
5A-00247	30073	Th-232	1.16	0.0186	0.112	3.1	7.00 - 12.00
5A-00247	30072	C-14	-0.0759 U	0.875	0.26	2.96	1.00 - 5.00
5A-00247	30073	C-14	-0.27 U	0.861	0.254	2.96	7.00 - 12.00
5A-00247	30072	Pb-212	1.43	0.0272	0.094	2.69	1.00 - 5.00
5A-00247	30073	Pb-212	1.71	0.0293	0.103	2.69	7.00 - 12.00
5A-00247	30072	Th-230	0.854	0.0543	0.0868	2.2	1.00 - 5.00
5A-00247	30073	Th-230	1.01	0.0825	0.104	2.2	7.00 - 12.00
5A-00247	30072	Bi-212	0.919	0.107	0.0725	2.15	1.00 - 5.00
5A-00247	30073	Bi-212	0.95	0.117	0.0756	2.15	7.00 - 12.00
5A-00247	30072	U-233/234	0.628	0.0304	0.0681	2.02	1.00 - 5.00
5A-00247	30073	U-233/234	1.04	0.0492	0.0992	2.02	7.00 - 12.00
5A-00247	30072	U-238	0.815	0.0304	0.0824	1.8	1.00 - 5.00
5A-00247	30073	U-238	0.893	0.0492	0.0887	1.8	7.00 - 12.00
5A-00247	30072	Pb-214	0.826	0.0237	0.0413	1.7	1.00 - 5.00
5A-00247	30073	Pb-214	1.04	0.0263	0.0489	1.7	7.00 - 12.00
5A-00247	30072	Tc-99	-0.0775 U	1.09	0.319	1.63	1.00 - 5.00
5A-00247	30073	Tc-99	-0.526 U	1.35	0.385	1.63	7.00 - 12.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00247	30072	Bi-214	0.73	0.0199	0.0337	1.59	1.00 - 5.00
5A-00247	30073	Bi-214	0.905	0.0229	0.0411	1.59	7.00 - 12.00
5A-00247	30072	Tl-208	0.438	0.0134	0.0242	0.937	1.00 - 5.00
5A-00247	30073	Tl-208	0.528	0.0146	0.0287	0.937	7.00 - 12.00
5A-00247	30072	Pa-231	0.0569 U	0.571	0.178	0.936	1.00 - 5.00
5A-00247	30073	Pa-231	0.182 U	0.625	0.201	0.936	7.00 - 12.00
5A-00247	30072	Sr-90	0.0397 U	0.28	0.0804	0.485	1.00 - 5.00
5A-00247	30073	Sr-90	-0.0812 U K	0.266	0.0704	0.485	7.00 - 12.00
5A-00247	30072	Sb-125	-0.0057 U	0.0337	0.0103	0.354	1.00 - 5.00
5A-00247	30073	Sb-125	0.0153 U	0.0374	0.0114	0.354	7.00 - 12.00
5A-00247	30072	Eu-155	0.0587 SK	0.0547	0.019	0.231	1.00 - 5.00
5A-00247	30073	Eu-155	0.0597 SK	0.0563	0.0218	0.231	7.00 - 12.00
5A-00247	30072	Ac-227	-0.0213 U J	0.14	0.0439	0.217	1.00 - 5.00
5A-00247	30073	Ac-227	0.0326 U J	0.151	0.0463	0.217	7.00 - 12.00
5A-00247	30072	Cs-137	-0.0053 U	0.0117	0.0043	0.207	1.00 - 5.00
5A-00247	30073	Cs-137	-0.0017 U	0.0128	0.0044	0.207	7.00 - 12.00
5A-00247	30072	U-235/236	0.0613	0.0139	0.0182	0.151	1.00 - 5.00
5A-00247	30073	U-235/236	0.0354	0.0373	0.0154	0.151	7.00 - 12.00
5A-00247	30072	Eu-154	0.0015 U	0.0723	0.0218	0.15	1.00 - 5.00
5A-00247	30073	Eu-154	-0.0565 U J	0.078	0.0279	0.15	7.00 - 12.00
5A-00247	30072	Th-229	0.0059 U	0.0432	0.0102	0.145	1.00 - 5.00
5A-00247	30073	Th-229	-0.0138 U	0.109	0.0258	0.145	7.00 - 12.00
5A-00247	30072	Np-239	0.026 U	0.0938	0.0294	0.139	1.00 - 5.00
5A-00247	30073	Np-239	0.0496 U	0.101	0.0326	0.139	7.00 - 12.00
5A-00247	30072	Cs-134	0.0016 U	0.0113	0.0038	0.0864	1.00 - 5.00
5A-00247	30073	Cs-134	0.0022 U	0.0126	0.0043	0.0864	7.00 - 12.00
5A-00247	30072	Eu-152	-0.0056 U	0.034	0.0125	0.0566	1.00 - 5.00
5A-00247	30073	Eu-152	-0.0136 U	0.0365	0.0135	0.0566	7.00 - 12.00
5A-00247	30072	Np-236	-0.0004 U	0.0276	0.0089	0.047	1.00 - 5.00
5A-00247	30073	Np-236	-0.0016 U	0.0289	0.0089	0.047	7.00 - 12.00
5A-00247	30072	Am-241	0.0016 U	0.0247	0.0064	0.0454	1.00 - 5.00
5A-00247	30073	Am-241	0 U	0.0192	0.0046	0.0454	7.00 - 12.00
5A-00247	30072	Pu-236	0 U	0.0193	0.0042	0.0448	1.00 - 5.00
5A-00247	30073	Pu-236	0.0024 U	0.0262	0.0064	0.0448	7.00 - 12.00
5A-00247	30072	Cm-243/244	0 U	0.0224	0.0055	0.0443	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00247	30073	Cm-243/244	-0.0015 U	0.0179	0.004	0.0443	7.00 - 12.00
5A-00247	30072	Ho-166m	-0.0083 U	0.0185	0.0059	0.0432	1.00 - 5.00
5A-00247	30073	Ho-166m	-0.0156 U J	0.0193	0.007	0.0432	7.00 - 12.00
5A-00247	30072	Pu-238	0.0018	0.0049	0.0018	0.0415	1.00 - 5.00
5A-00247	30073	Pu-238	-0.0064 U	0.0254	0.0047	0.0415	7.00 - 12.00
5A-00247	30072	Pu-239/240	0.0162	0.0216	0.0075	0.0404	1.00 - 5.00
5A-00247	30073	Pu-239/240	0 U	0.0227	0.0052	0.0404	7.00 - 12.00
5A-00247	30072	Na-22	-0.0126 U J	0.0171	0.006	0.037	1.00 - 5.00
5A-00247	30073	Na-22	-0.006 U	0.0173	0.0054	0.037	7.00 - 12.00
5A-00247	30072	Pu-244	-0.0018 U	0.0132	0.0026	0.0313	1.00 - 5.00
5A-00247	30073	Pu-244	0.0063 U	0.0196	0.0056	0.0313	7.00 - 12.00
5A-00247	30072	Co-60	0.0059 U	0.0136	0.0042	0.028	1.00 - 5.00
5A-00247	30073	Co-60	0.0033 U	0.0146	0.0043	0.028	7.00 - 12.00
5A-00247	30072	Sn-126	0.0053 U	0.0121	0.0037	0.0237	1.00 - 5.00
5A-00247	30073	Sn-126	0.0039 U	0.013	0.004	0.0237	7.00 - 12.00
5A-00247	30072	Nb-94	0.0038 U	0.0108	0.0033	0.0214	1.00 - 5.00
5A-00247	30073	Nb-94	0.006 JSK	0.0119	0.0038	0.0214	7.00 - 12.00
5A-00249	30076	Cd-113m	-6.98 U	97.1	31.6	3030	1.00 - 5.00
5A-00249	30076	Tm-171	-12.3 U J	10.6	4.76	72.4	1.00 - 5.00
5A-00249	30076	K-40	22	0.0911	1.33	32.4	1.00 - 5.00
5A-00249	30076	Th-228	1.24	0.0934	0.129	3.98	1.00 - 5.00
5A-00249	30076	Th-234	1.51	0.215	0.133	3.19	1.00 - 5.00
5A-00249	30076	Th-232	0.916	0.0519	0.0971	3.1	1.00 - 5.00
5A-00249	30076	Pb-212	1.57	0.0283	0.0958	2.69	1.00 - 5.00
5A-00249	30076	Th-230	0.862	0.052	0.0935	2.2	1.00 - 5.00
5A-00249	30076	Bi-212	0.9	0.108	0.0686	2.15	1.00 - 5.00
5A-00249	30076	U-233/234	0.953	0.0374	0.0922	2.02	1.00 - 5.00
5A-00249	30076	U-238	0.886	0.0484	0.0876	1.8	1.00 - 5.00
5A-00249	30076	Pb-214	0.962	0.0244	0.0453	1.7	1.00 - 5.00
5A-00249	30076	Bi-214	0.9	0.021	0.0403	1.59	1.00 - 5.00
5A-00249	30076	Tl-208	0.483	0.0137	0.0261	0.937	1.00 - 5.00
5A-00249	30076	Pa-231	-0.321 U	0.584	0.201	0.936	1.00 - 5.00
5A-00249	30076	Sr-90	0.0767 K	0.127	0.0406	0.485	1.00 - 5.00
5A-00249	30076	Sb-125	0.0149 U	0.0361	0.0112	0.354	1.00 - 5.00
5A-00249	30076	Eu-155	0.0955 SK	0.0527	0.0217	0.231	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00249	30076	Ac-227	0.0186 U	0.143	0.0425	0.217	1.00 - 5.00
5A-00249	30076	Cs-137	0.0035 U	0.0122	0.0043	0.207	1.00 - 5.00
5A-00249	30076	U-235/236	0.0547	0.0135	0.017	0.151	1.00 - 5.00
5A-00249	30076	Eu-154	-0.0404 U	0.0716	0.0236	0.15	1.00 - 5.00
5A-00249	30076	Th-229	0.0708	0.0192	0.0228	0.145	1.00 - 5.00
5A-00249	30076	Np-239	-0.0144 U	0.0948	0.0282	0.139	1.00 - 5.00
5A-00249	30076	Cs-134	-0.0002 U	0.0122	0.0043	0.0864	1.00 - 5.00
5A-00249	30076	Eu-152	0.0019 U	0.0348	0.0178	0.0566	1.00 - 5.00
5A-00249	30076	Np-236	0.0007 U	0.0273	0.0091	0.047	1.00 - 5.00
5A-00249	30076	Am-241	0.0238	0.0291	0.0107	0.0454	1.00 - 5.00
5A-00249	30076	Pu-236	-0.0087 U	0.0506	0.012	0.0448	1.00 - 5.00
5A-00249	30076	Cm-243/244	0.0228	0.0345	0.0116	0.0443	1.00 - 5.00
5A-00249	30076	Ho-166m	-0.0001 U	0.0191	0.0058	0.0432	1.00 - 5.00
5A-00249	30076	Pu-238	0.0025 U	0.042	0.011	0.0415	1.00 - 5.00
5A-00249	30076	Pu-239/240	0.01 U	0.027	0.008	0.0404	1.00 - 5.00
5A-00249	30076	Na-22	-0.0025 U	0.0168	0.0051	0.037	1.00 - 5.00
5A-00249	30076	Pu-244	0.0025 U	0.0185	0.0043	0.0313	1.00 - 5.00
5A-00249	30076	Co-60	-0.0015 U	0.013	0.0039	0.028	1.00 - 5.00
5A-00249	30076	Sn-126	0.002 U	0.0123	0.0037	0.0237	1.00 - 5.00
5A-00249	30076	Nb-94	0.0051 U	0.011	0.0035	0.0214	1.00 - 5.00
5A-00250	30077	Cd-113m	0.5 U	25	7.5	3030	0.00 - 0.50
5A-00250	30078	Cd-113m	-2 U	38	11	3030	1.00 - 2.00
5A-00250	30077	Tm-171	5.3 J	4.7	1.9	72.4	0.00 - 0.50
5A-00250	30078	Tm-171	-0.3 U	6	1.8	72.4	1.00 - 2.00
5A-00250	30077	K-40	21.6	0.1	1.1	32.4	0.00 - 0.50
5A-00250	30078	K-40	23	0.1	1.1	32.4	1.00 - 2.00
5A-00250	30077	Th-228	1.38	0.014	0.067	3.98	0.00 - 0.50
5A-00250	30078	Th-228	1.43	0.026	0.073	3.98	1.00 - 2.00
5A-00250	30077	Th-234	1.45 R	0.13	0.099	3.19	0.00 - 0.50
5A-00250	30078	Th-234	1.16 R	0.13	0.084	3.19	1.00 - 2.00
5A-00250	30077	Th-232	1.25	0.002	0.062	3.1	0.00 - 0.50
5A-00250	30078	Th-232	1.08	0.002	0.055	3.1	1.00 - 2.00
5A-00250	30077	Pb-212	1.55	0.03	0.1	2.69	0.00 - 0.50
5A-00250	30078	Pb-212	1.45	0.023	0.082	2.69	1.00 - 2.00
5A-00250	30077	Th-230	0.917	0.003	0.047	2.2	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00250	30078	Th-230	0.739	0.006	0.04	2.2	1.00 - 2.00
5A-00250	30077	Bi-212	1.06	0.11	0.083	2.15	0.00 - 0.50
5A-00250	30078	Bi-212	0.871	0.13	0.082	2.15	1.00 - 2.00
5A-00250	30077	U-233/234	0.606	0.009	0.034	2.02	0.00 - 0.50
5A-00250	30078	U-233/234	0.593	0.009	0.036	2.02	1.00 - 2.00
5A-00250	30077	U-238	0.619	0.002	0.034	1.8	0.00 - 0.50
5A-00250	30078	U-238	0.597	0.011	0.036	1.8	1.00 - 2.00
5A-00250	30077	Pb-214	0.844	0.023	0.046	1.7	0.00 - 0.50
5A-00250	30078	Pb-214	0.742	0.026	0.04	1.7	1.00 - 2.00
5A-00250	30077	Bi-214	0.763	0.022	0.042	1.59	0.00 - 0.50
5A-00250	30078	Bi-214	0.661	0.027	0.037	1.59	1.00 - 2.00
5A-00250	30077	Tl-208	0.521 J	0.014	0.028	0.937	0.00 - 0.50
5A-00250	30078	Tl-208	0.449	0.018	0.025	0.937	1.00 - 2.00
5A-00250	30077	Pa-231	-0.17 U	0.49	0.15	0.936	0.00 - 0.50
5A-00250	30078	Pa-231	0.09 U	0.56	0.17	0.936	1.00 - 2.00
5A-00250	30077	Sr-90	0.046	0.048	0.015	0.485	0.00 - 0.50
5A-00250	30078	Sr-90	0.009 U	0.045	0.013	0.485	1.00 - 2.00
5A-00250	30077	Sb-125	0.114 SK	0.034	0.0089	0.354	0.00 - 0.50
5A-00250	30078	Sb-125	0.0956 SK	0.04	0.0088	0.354	1.00 - 2.00
5A-00250	30077	Eu-155	0.066 SK	0.031	0.013	0.231	0.00 - 0.50
5A-00250	30078	Eu-155	0.073 SK	0.031	0.013	0.231	1.00 - 2.00
5A-00250	30077	Ac-227	0.378 RZ	0.12	0.025	0.217	0.00 - 0.50
5A-00250	30078	Ac-227	0.012 U	0.13	0.04	0.217	1.00 - 2.00
5A-00250	30077	Cs-137	0.021	0.01	0.0048	0.207	0.00 - 0.50
5A-00250	30078	Cs-137	-0.0043 U	0.016	0.0048	0.207	1.00 - 2.00
5A-00250	30077	U-235/236	0.0264	0.0075	0.0055	0.151	0.00 - 0.50
5A-00250	30078	U-235/236	0.0375	0.011	0.0078	0.151	1.00 - 2.00
5A-00250	30077	Eu-154	0.006 U	0.08	0.012	0.15	0.00 - 0.50
5A-00250	30078	Eu-154	0.018 U	0.09	0.019	0.15	1.00 - 2.00
5A-00250	30077	Th-229	0.0041	0.0099	0.003	0.145	0.00 - 0.50
5A-00250	30078	Th-229	0.0075	0.0082	0.0033	0.145	1.00 - 2.00
5A-00250	30077	Np-239	-0.011 U	0.074	0.022	0.139	0.00 - 0.50
5A-00250	30078	Np-239	0.021 U	0.08	0.024	0.139	1.00 - 2.00
5A-00250	30077	Cs-134	0.0209 U	0.043	0.0051	0.0864	0.00 - 0.50
5A-00250	30078	Cs-134	0.0042 U J	0.048	0.0053	0.0864	1.00 - 2.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00250	30077	Te-125m	0.0264 SK	0.0079	0.0021	0.0838	0.00 - 0.50
5A-00250	30078	Te-125m	0.0221 SK	0.0092	0.002	0.0838	1.00 - 2.00
5A-00250	30077	Eu-152	0.003 U	0.018	0.0055	0.0566	0.00 - 0.50
5A-00250	30078	Eu-152	-0.018 U	0.036	0.011	0.0566	1.00 - 2.00
5A-00250	30077	Np-236	-0.0037 U	0.026	0.0079	0.047	0.00 - 0.50
5A-00250	30078	Np-236	-0.0005 U	0.028	0.0085	0.047	1.00 - 2.00
5A-00250	30077	Am-241	0.0029	0.0068	0.0021	0.0454	0.00 - 0.50
5A-00250	30078	Am-241	0.0022 U	0.0083	0.0022	0.0454	1.00 - 2.00
5A-00250	30077	Cm-243/244	-0.0022 U	0.008	0.0013	0.0443	0.00 - 0.50
5A-00250	30078	Cm-243/244	0.0023 U	0.0083	0.0023	0.0443	1.00 - 2.00
5A-00250	30077	Ho-166m	0.0078 U J	0.019	0.0038	0.0432	0.00 - 0.50
5A-00250	30078	Ho-166m	-0.0026 U	0.025	0.0074	0.0432	1.00 - 2.00
5A-00250	30077	Pu-238	0.0006 U	0.0052	0.0012	0.0415	0.00 - 0.50
5A-00250	30078	Pu-238	0.0039	0.0078	0.0025	0.0415	1.00 - 2.00
5A-00250	30077	Pu-239/240	0.0039	0.0042	0.0018	0.0404	0.00 - 0.50
5A-00250	30078	Pu-239/240	0.0026	0.0023	0.0015	0.0404	1.00 - 2.00
5A-00250	30077	Cm-245/246	0.0026	0.0023	0.0015	0.0401	0.00 - 0.50
5A-00250	30078	Cm-245/246	-0.002 U	0.0093	0.0014	0.0401	1.00 - 2.00
5A-00250	30077	Na-22	-0.0078 U	0.02	0.0061	0.037	0.00 - 0.50
5A-00250	30078	Na-22	-0.002 U	0.026	0.0077	0.037	1.00 - 2.00
5A-00250	30077	Pu-244	0.0017	0.0042	0.0013	0.0313	0.00 - 0.50
5A-00250	30078	Pu-244	0.0009 U	0.0023	0.0009	0.0313	1.00 - 2.00
5A-00250	30077	Cm-247/248	-0.0008 U	0.0062	0.0008	0.0306	0.00 - 0.50
5A-00250	30078	Cm-247/248	0.001 U	0.0027	0.001	0.0306	1.00 - 2.00
5A-00250	30077	Co-60	0.0037 U	0.015	0.0035	0.028	0.00 - 0.50
5A-00250	30078	Co-60	0.001 U	0.019	0.0032	0.028	1.00 - 2.00
5A-00250	30077	Sn-126	0.0117	0.01	0.005	0.0237	0.00 - 0.50
5A-00250	30078	Sn-126	0.0025 U	0.016	0.0047	0.0237	1.00 - 2.00
5A-00250	30077	Nb-94	0.0035 U	0.011	0.0033	0.0214	0.00 - 0.50
5A-00250	30078	Nb-94	0.004 U	0.014	0.0042	0.0214	1.00 - 2.00
5A-00251	30135	Cd-113m	11 U	43	13	3030	0.00 - 0.50
5A-00251	30136	Cd-113m	-0.4 U	32	9.7	3030	1.00 - 2.50
5A-00251	30135	Tm-171	-0.04 U J	5.9	1.8	72.4	0.00 - 0.50
5A-00251	30136	Tm-171	0.2 U	4	1.2	72.4	1.00 - 2.50
5A-00251	30135	K-40	22.4	0.2	1.1	32.4	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00251	30136	K-40	21.2	0.1	1.1	32.4	1.00 - 2.50
5A-00251	30135	Ni-59	0 U	0.48	0.13	8.39	0.00 - 0.50
5A-00251	30136	Ni-59	0 U	0.19	0.054	8.39	1.00 - 2.50
5A-00251	30135	Ni-63	0.23 U	0.74	0.22	4.92	0.00 - 0.50
5A-00251	30136	Ni-63	0.26 U	0.58	0.18	4.92	1.00 - 2.50
5A-00251	30135	Th-228	1.25	0.019	0.066	3.98	0.00 - 0.50
5A-00251	30136	Th-228	1.33	0.017	0.068	3.98	1.00 - 2.50
5A-00251	30135	Th-234	0.414 R	0.18	0.059	3.19	0.00 - 0.50
5A-00251	30136	Th-234	1.51 R	0.12	0.1	3.19	1.00 - 2.50
5A-00251	30135	Th-232	1.27	0.003	0.066	3.1	0.00 - 0.50
5A-00251	30136	Th-232	1.23	0.008	0.064	3.1	1.00 - 2.50
5A-00251	30135	C-14	0.0087 U	0.025	0.0075	2.96	0.00 - 0.50
5A-00251	30136	C-14	0.003 U	0.022	0.0067	2.96	1.00 - 2.50
5A-00251	30135	Pb-212	1.72	0.027	0.097	2.69	0.00 - 0.50
5A-00251	30136	Pb-212	1.58	0.02	0.1	2.69	1.00 - 2.50
5A-00251	30135	Th-230	0.97	0.011	0.053	2.2	0.00 - 0.50
5A-00251	30136	Th-230	0.983	0.003	0.053	2.2	1.00 - 2.50
5A-00251	30135	Bi-212	1.16	0.17	0.11	2.15	0.00 - 0.50
5A-00251	30136	Bi-212	1.02	0.093	0.071	2.15	1.00 - 2.50
5A-00251	30135	U-233/234	0.706	0.008	0.041	2.02	0.00 - 0.50
5A-00251	30136	U-233/234	0.85	0.009	0.048	2.02	1.00 - 2.50
5A-00251	30135	U-238	0.707	0.008	0.041	1.8	0.00 - 0.50
5A-00251	30136	U-238	0.792	0.009	0.045	1.8	1.00 - 2.50
5A-00251	30135	Pb-214	1	0.029	0.052	1.7	0.00 - 0.50
5A-00251	30136	Pb-214	0.935	0.021	0.05	1.7	1.00 - 2.50
5A-00251	30135	Tc-99	-0.057 U	0.28	0.085	1.63	0.00 - 0.50
5A-00251	30136	Tc-99	-0.059 U	0.32	0.098	1.63	1.00 - 2.50
5A-00251	30135	Bi-214	0.879	0.03	0.047	1.59	0.00 - 0.50
5A-00251	30136	Bi-214	0.796	0.019	0.043	1.59	1.00 - 2.50
5A-00251	30135	Tl-208	0.51 J	0.024	0.029	0.937	0.00 - 0.50
5A-00251	30136	Tl-208	0.502	0.015	0.028	0.937	1.00 - 2.50
5A-00251	30135	Pa-231	0.023 U	0.63	0.024	0.936	0.00 - 0.50
5A-00251	30136	Pa-231	0.03 U	0.47	0.14	0.936	1.00 - 2.50
5A-00251	30135	Sr-90	0.022	0.038	0.012	0.485	0.00 - 0.50
5A-00251	30136	Sr-90	0.016 U	0.04	0.012	0.485	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00251	30135	Sb-125	0.0047 U L	0.05	0.0095	0.354	0.00 - 0.50
5A-00251	30136	Sb-125	0.162 SK	0.034	0.012	0.354	1.00 - 2.50
5A-00251	30135	Eu-155	0.075 SK	0.036	0.015	0.231	0.00 - 0.50
5A-00251	30136	Eu-155	0.071 SK	0.027	0.011	0.231	1.00 - 2.50
5A-00251	30135	Ac-227	0.046 U	0.15	0.054	0.217	0.00 - 0.50
5A-00251	30136	Ac-227	0.013 U	0.12	0.035	0.217	1.00 - 2.50
5A-00251	30135	Cs-137	0.0094	0.019	0.0068	0.207	0.00 - 0.50
5A-00251	30136	Cs-137	-0.0041 U	0.013	0.004	0.207	1.00 - 2.50
5A-00251	30135	U-235/236	0.0193	0.01	0.0056	0.151	0.00 - 0.50
5A-00251	30136	U-235/236	0.0407	0.011	0.0081	0.151	1.00 - 2.50
5A-00251	30135	Eu-154	-0.04 U	0.12	0.035	0.15	0.00 - 0.50
5A-00251	30136	Eu-154	0.012 U	0.068	0.013	0.15	1.00 - 2.50
5A-00251	30135	Th-229	0.001 U	0.013	0.0034	0.145	0.00 - 0.50
5A-00251	30136	Th-229	0.002 U	0.0072	0.002	0.145	1.00 - 2.50
5A-00251	30135	Np-239	0.025 U	0.095	0.029	0.139	0.00 - 0.50
5A-00251	30136	Np-239	0.017 U	0.065	0.02	0.139	1.00 - 2.50
5A-00251	30135	Cs-134	-0.0032 U	0.02	0.0025	0.0864	0.00 - 0.50
5A-00251	30136	Cs-134	0.0127 U	0.039	0.0038	0.0864	1.00 - 2.50
5A-00251	30135	Te-125m	0.0011 U L	0.011	0.0022	0.0838	0.00 - 0.50
5A-00251	30136	Te-125m	0.0374 SK	0.0079	0.0028	0.0838	1.00 - 2.50
5A-00251	30135	Eu-152	0.01 U	0.045	0.02	0.0566	0.00 - 0.50
5A-00251	30136	Eu-152	0.0107 U	0.031	0.0081	0.0566	1.00 - 2.50
5A-00251	30135	Np-236	-0.0075 U	0.029	0.0089	0.047	0.00 - 0.50
5A-00251	30136	Np-236	-0.0022 U	0.026	0.0077	0.047	1.00 - 2.50
5A-00251	30135	Am-241	0 U	0.0086	0.0019	0.0454	0.00 - 0.50
5A-00251	30136	Am-241	0.0023 U	0.011	0.0029	0.0454	1.00 - 2.50
5A-00251	30135	Cm-243/244	0.0009 U	0.0026	0.0009	0.0443	0.00 - 0.50
5A-00251	30136	Cm-243/244	-0.0008 U	0.0071	0.0013	0.0443	1.00 - 2.50
5A-00251	30135	Ho-166m	0.0148 JSK	0.028	0.0085	0.0432	0.00 - 0.50
5A-00251	30136	Ho-166m	0.0088 U J	0.019	0.006	0.0432	1.00 - 2.50
5A-00251	30135	Pu-238	0.0011 U	0.0046	0.0012	0.0415	0.00 - 0.50
5A-00251	30136	Pu-238	0.0025 U	0.0082	0.0023	0.0415	1.00 - 2.50
5A-00251	30135	Pu-239/240	-0.0005 U	0.0046	0.0005	0.0404	0.00 - 0.50
5A-00251	30136	Pu-239/240	0.0012 U	0.0017	0.0009	0.0404	1.00 - 2.50
5A-00251	30135	Cm-245/246	0.0021 U	0.0028	0.0015	0.0401	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00251	30136	Cm-245/246	0 U	0.0077	0.0017	0.0401	1.00 - 2.50
5A-00251	30135	Na-22	-0.0016 U	0.027	0.0081	0.037	0.00 - 0.50
5A-00251	30136	Na-22	0.0013 U	0.02	0.0059	0.037	1.00 - 2.50
5A-00251	30135	Pu-244	0.0023	0.0021	0.0013	0.0313	0.00 - 0.50
5A-00251	30136	Pu-244	0.0006 U	0.0017	0.0006	0.0313	1.00 - 2.50
5A-00251	30135	Cm-247/248	0 U	0.0027	0.001	0.0306	0.00 - 0.50
5A-00251	30136	Cm-247/248	0.0016 U	0.0022	0.0012	0.0306	1.00 - 2.50
5A-00251	30135	Co-60	0.0048 U	0.021	0.0062	0.028	0.00 - 0.50
5A-00251	30136	Co-60	0.0025 U	0.013	0.0025	0.028	1.00 - 2.50
5A-00251	30135	Sn-126	0.0069 U	0.018	0.0054	0.0237	0.00 - 0.50
5A-00251	30136	Sn-126	0.0027 U	0.013	0.0038	0.0237	1.00 - 2.50
5A-00251	30135	Nb-94	0.0052 U	0.016	0.0049	0.0214	0.00 - 0.50
5A-00251	30136	Nb-94	0.0039 U	0.011	0.0024	0.0214	1.00 - 2.50
5A-00252	30137	Cd-113m	31	27	11	3030	1.00 - 5.00
5A-00252	30137	Tm-171	0.05 U	5.5	1.7	72.4	1.00 - 5.00
5A-00252	30137	K-40	20.7	0.1	1.1	32.4	1.00 - 5.00
5A-00252	30137	Ni-59	0 U	0.23	0.078	8.39	1.00 - 5.00
5A-00252	30137	Ni-63	0.19 U	0.73	0.22	4.92	1.00 - 5.00
5A-00252	30137	Th-228	1.34	0.018	0.067	3.98	1.00 - 5.00
5A-00252	30137	Th-234	1.47 R	0.13	0.1	3.19	1.00 - 5.00
5A-00252	30137	Th-232	1.36	0.007	0.067	3.1	1.00 - 5.00
5A-00252	30137	C-14	0.017	0.021	0.0066	2.96	1.00 - 5.00
5A-00252	30137	Pb-212	1.66	0.02	0.11	2.69	1.00 - 5.00
5A-00252	30137	Th-230	0.946	0.012	0.05	2.2	1.00 - 5.00
5A-00252	30137	Bi-212	1.03	0.091	0.071	2.15	1.00 - 5.00
5A-00252	30137	U-233/234	0.764	0.003	0.044	2.02	1.00 - 5.00
5A-00252	30137	U-238	0.87	0.009	0.049	1.8	1.00 - 5.00
5A-00252	30137	Pb-214	0.82	0.023	0.045	1.7	1.00 - 5.00
5A-00252	30137	Tc-99	-0.027 U	0.28	0.083	1.63	1.00 - 5.00
5A-00252	30137	Bi-214	0.721	0.02	0.039	1.59	1.00 - 5.00
5A-00252	30137	Tl-208	0.528	0.014	0.029	0.937	1.00 - 5.00
5A-00252	30137	Pa-231	0.091 U	0.53	0.072	0.936	1.00 - 5.00
5A-00252	30137	Sr-90	-0.006 U	0.049	0.014	0.485	1.00 - 5.00
5A-00252	30137	Sb-125	0.127 JSK	0.035	0.0098	0.354	1.00 - 5.00
5A-00252	30137	Eu-155	0.0421 L R	0.03	0.0094	0.231	1.00 - 5.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00252	30137	Ac-227	0.033 U	0.12	0.036	0.217	1.00 - 5.00
5A-00252	30137	Cs-137	-0.0058 U	0.013	0.0041	0.207	1.00 - 5.00
5A-00252	30137	U-235/236	0.0302	0.0041	0.0069	0.151	1.00 - 5.00
5A-00252	30137	Eu-154	-0.019 U	0.08	0.024	0.15	1.00 - 5.00
5A-00252	30137	Th-229	0.0069	0.0072	0.003	0.145	1.00 - 5.00
5A-00252	30137	Np-239	-0.007 U	0.077	0.023	0.139	1.00 - 5.00
5A-00252	30137	Cs-134	0.0149 U	0.042	0.0033	0.0864	1.00 - 5.00
5A-00252	30137	Te-125m	0.0293 JSK	0.008	0.0023	0.0838	1.00 - 5.00
5A-00252	30137	Eu-152	-0.015 U	0.03	0.009	0.0566	1.00 - 5.00
5A-00252	30137	Np-236	0.0011 U	0.027	0.0081	0.047	1.00 - 5.00
5A-00252	30137	Am-241	0 U	0.0084	0.0016	0.0454	1.00 - 5.00
5A-00252	30137	Cm-243/244	0 U	0.0084	0.0016	0.0443	1.00 - 5.00
5A-00252	30137	Ho-166m	0.0058 U R	0.02	0.0029	0.0432	1.00 - 5.00
5A-00252	30137	Pu-238	0.0026	0.0066	0.002	0.0415	1.00 - 5.00
5A-00252	30137	Pu-239/240	0.0003 U	0.0047	0.0009	0.0404	1.00 - 5.00
5A-00252	30137	Cm-245/246	0.0019 U	0.0052	0.0019	0.0401	1.00 - 5.00
5A-00252	30137	Na-22	0.0025 U	0.02	0.0059	0.037	1.00 - 5.00
5A-00252	30137	Pu-244	0.0024	0.0022	0.0014	0.0313	1.00 - 5.00
5A-00252	30137	Cm-247/248	0 U	0.0051	0.0011	0.0306	1.00 - 5.00
5A-00252	30137	Co-60	-0.0028 U	0.015	0.0044	0.028	1.00 - 5.00
5A-00252	30137	Sn-126	0.0094	0.0098	0.0031	0.0237	1.00 - 5.00
5A-00252	30137	Nb-94	0.0023 U	0.011	0.0034	0.0214	1.00 - 5.00
5A-00253	30138	Cd-113m	2 U	40	12	3030	0.00 - 0.50
5A-00253	30139	Cd-113m	-1.2 U	32	9.5	3030	1.00 - 5.00
5A-00253	30138	Tm-171	0.2 U	6.2	1.9	72.4	0.00 - 0.50
5A-00253	30139	Tm-171	-5 U J	4	1.2	72.4	1.00 - 5.00
5A-00253	30138	K-40	20.9	0.1	1	32.4	0.00 - 0.50
5A-00253	30139	K-40	20.6	0.1	1	32.4	1.00 - 5.00
5A-00253	30138	Ni-59	0 U	0.16	0.041	8.39	0.00 - 0.50
5A-00253	30139	Ni-59	0 U	0.19	0.053	8.39	1.00 - 5.00
5A-00253	30138	Ni-63	-0.25 U	0.68	0.2	4.92	0.00 - 0.50
5A-00253	30139	Ni-63	0.14 U	0.57	0.17	4.92	1.00 - 5.00
5A-00253	30138	Th-228	1.12	0.018	0.058	3.98	0.00 - 0.50
5A-00253	30139	Th-228	1.32	0.021	0.071	3.98	1.00 - 5.00
5A-00253	30138	Th-234	0.37 R	0.15	0.051	3.19	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00253	30139	Th-234	1.46 R	0.12	0.097	3.19	1.00 - 5.00
5A-00253	30138	Th-232	1.17	0.009	0.06	3.1	0.00 - 0.50
5A-00253	30139	Th-232	1.27	0.014	0.068	3.1	1.00 - 5.00
5A-00253	30138	C-14	0.037 J	0.061	0.019	2.96	0.00 - 0.50
5A-00253	30139	C-14	0.0247	0.03	0.0095	2.96	1.00 - 5.00
5A-00253	30138	Pb-212	1.51	0.023	0.085	2.69	0.00 - 0.50
5A-00253	30139	Pb-212	1.55	0.02	0.1	2.69	1.00 - 5.00
5A-00253	30138	Th-230	0.912	0.009	0.049	2.2	0.00 - 0.50
5A-00253	30139	Th-230	0.994	0.014	0.057	2.2	1.00 - 5.00
5A-00253	30138	Bi-212	0.951	0.14	0.09	2.15	0.00 - 0.50
5A-00253	30139	Bi-212	0.967	0.1	0.078	2.15	1.00 - 5.00
5A-00253	30138	U-233/234	0.79	0.01	0.046	2.02	0.00 - 0.50
5A-00253	30139	U-233/234	1.05 J	0.012	0.06	2.02	1.00 - 5.00
5A-00253	30138	U-238	0.862	0.01	0.049	1.8	0.00 - 0.50
5A-00253	30139	U-238	1.06 J	0.004	0.061	1.8	1.00 - 5.00
5A-00253	30138	Pb-214	0.837	0.023	0.044	1.7	0.00 - 0.50
5A-00253	30139	Pb-214	0.854	0.019	0.046	1.7	1.00 - 5.00
5A-00253	30138	Tc-99	-0.32 L U	0.43	0.13	1.63	0.00 - 0.50
5A-00253	30139	Tc-99	-0.079 U	0.32	0.096	1.63	1.00 - 5.00
5A-00253	30138	Bi-214	0.767	0.024	0.041	1.59	0.00 - 0.50
5A-00253	30139	Bi-214	0.762	0.02	0.041	1.59	1.00 - 5.00
5A-00253	30138	Tl-208	0.462	0.019	0.026	0.937	0.00 - 0.50
5A-00253	30139	Tl-208	0.453	0.013	0.025	0.937	1.00 - 5.00
5A-00253	30138	Pa-231	-0.14 U	0.58	0.17	0.936	0.00 - 0.50
5A-00253	30139	Pa-231	0.037 U	0.44	0.03	0.936	1.00 - 5.00
5A-00253	30138	Sr-90	0.032	0.035	0.011	0.485	0.00 - 0.50
5A-00253	30139	Sr-90	0.017 U	0.033	0.01	0.485	1.00 - 5.00
5A-00253	30138	Sb-125	0.104 SK	0.038	0.0098	0.354	0.00 - 0.50
5A-00253	30139	Sb-125	0.138 SK	0.027	0.011	0.354	1.00 - 5.00
5A-00253	30138	Eu-155	0.081 SK	0.031	0.013	0.231	0.00 - 0.50
5A-00253	30139	Eu-155	0.071 SK	0.027	0.012	0.231	1.00 - 5.00
5A-00253	30138	Ac-227	-0.004 U	0.14	0.042	0.217	0.00 - 0.50
5A-00253	30139	Ac-227	0.058	0.08	0.017	0.217	1.00 - 5.00
5A-00253	30138	Cs-137	0.111	0.011	0.008	0.207	0.00 - 0.50
5A-00253	30139	Cs-137	0.0051 K R	0.009	0.0027	0.207	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00253	30138	U-235/236	0.0308	0.012	0.0075	0.151	0.00 - 0.50
5A-00253	30139	U-235/236	0.046 J	0.015	0.01	0.151	1.00 - 5.00
5A-00253	30138	Eu-154	0.005 U	0.1	0.012	0.15	0.00 - 0.50
5A-00253	30139	Eu-154	0.021 U	0.071	0.017	0.15	1.00 - 5.00
5A-00253	30138	Th-229	0.0084	0.0077	0.0033	0.145	0.00 - 0.50
5A-00253	30139	Th-229	0.0073	0.009	0.0035	0.145	1.00 - 5.00
5A-00253	30138	Np-239	-0.029 U	0.083	0.025	0.139	0.00 - 0.50
5A-00253	30139	Np-239	0.0007 U	0.064	0.019	0.139	1.00 - 5.00
5A-00253	30138	Cs-134	-0.003 U	0.051	0.015	0.0864	0.00 - 0.50
5A-00253	30139	Cs-134	0.0129 U	0.034	0.0032	0.0864	1.00 - 5.00
5A-00253	30138	Te-125m	0.0241 SK	0.0088	0.0023	0.0838	0.00 - 0.50
5A-00253	30139	Te-125m	0.0319 SK	0.0063	0.0025	0.0838	1.00 - 5.00
5A-00253	30138	Eu-152	-0.007 U	0.038	0.012	0.0566	0.00 - 0.50
5A-00253	30139	Eu-152	-0.012 U	0.029	0.0089	0.0566	1.00 - 5.00
5A-00253	30138	Np-236	-0.0099 U	0.03	0.0091	0.047	0.00 - 0.50
5A-00253	30139	Np-236	-0.0079 U	0.025	0.0075	0.047	1.00 - 5.00
5A-00253	30138	Am-241	0.0008 U	0.0058	0.0014	0.0454	0.00 - 0.50
5A-00253	30139	Am-241	0 U	0.012	0.0028	0.0454	1.00 - 5.00
5A-00253	30138	Cm-243/244	0 U	0.0074	0.0016	0.0443	0.00 - 0.50
5A-00253	30139	Cm-243/244	0.0009 U	0.0066	0.0016	0.0443	1.00 - 5.00
5A-00253	30138	Ho-166m	0.0044 U	0.025	0.0036	0.0432	0.00 - 0.50
5A-00253	30139	Ho-166m	0.0016 U J	0.018	0.0008	0.0432	1.00 - 5.00
5A-00253	30138	Pu-238	0.0031	0.0054	0.0019	0.0415	0.00 - 0.50
5A-00253	30139	Pu-238	0.0065	0.0029	0.0019	0.0415	1.00 - 5.00
5A-00253	30138	Pu-239/240	0.0049	0.0053	0.0023	0.0404	0.00 - 0.50
5A-00253	30139	Pu-239/240	0.0046	0.0021	0.0019	0.0404	1.00 - 5.00
5A-00253	30138	Cm-245/246	0.001 U	0.0028	0.001	0.0401	0.00 - 0.50
5A-00253	30139	Cm-245/246	-0.002 U	0.0095	0.0014	0.0401	1.00 - 5.00
5A-00253	30138	Na-22	-0.0012 U	0.023	0.0068	0.037	0.00 - 0.50
5A-00253	30139	Na-22	-0.0012 U	0.018	0.0054	0.037	1.00 - 5.00
5A-00253	30138	Pu-244	0.0018	0.0024	0.0013	0.0313	0.00 - 0.50
5A-00253	30139	Pu-244	0.0015	0.0021	0.0011	0.0313	1.00 - 5.00
5A-00253	30138	Cm-247/248	0.004	0.0027	0.002	0.0306	0.00 - 0.50
5A-00253	30139	Cm-247/248	0.002 U	0.0027	0.0014	0.0306	1.00 - 5.00
5A-00253	30138	Co-60	-0.0063 U	0.019	0.0058	0.028	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00253	30139	Co-60	0.0006 U	0.015	0.0009	0.028	1.00 - 5.00
5A-00253	30138	Sn-126	-0.0014 U	0.012	0.0037	0.0237	0.00 - 0.50
5A-00253	30139	Sn-126	-0.0018 U	0.011	0.0034	0.0237	1.00 - 5.00
5A-00253	30138	Nb-94	0.0027 U	0.014	0.0041	0.0214	0.00 - 0.50
5A-00253	30139	Nb-94	0.0057 SK	0.01	0.0031	0.0214	1.00 - 5.00
5A-00254	30140	Cd-113m	12 U	43	13	3030	1.00 - 3.50
5A-00254	30441	Cd-113m	-1.5 U	32	9.7	3030	0.00 - 0.50
5A-00254	30140	Tm-171	-1.5 U	6.3	1.9	72.4	1.00 - 3.50
5A-00254	30441	Tm-171	3.4 J	5	1.5	72.4	0.00 - 0.50
5A-00254	30140	K-40	18.4	0.16	0.91	32.4	1.00 - 3.50
5A-00254	30441	K-40	21.1	0.1	1.1	32.4	0.00 - 0.50
5A-00254	30140	Ni-59	0 U	0.19	0.047	8.39	1.00 - 3.50
5A-00254	30441	Ni-59	0 U	0.5	0.12	8.39	0.00 - 0.50
5A-00254	30140	Ni-63	0.05 U	0.7	0.21	4.92	1.00 - 3.50
5A-00254	30441	Ni-63	0.15 U	0.72	0.21	4.92	0.00 - 0.50
5A-00254	30140	Th-228	1.48	0.031	0.08	3.98	1.00 - 3.50
5A-00254	30441	Th-228	1.26	0.016	0.064	3.98	0.00 - 0.50
5A-00254	30140	Th-234	0.771 R	0.16	0.066	3.19	1.00 - 3.50
5A-00254	30441	Th-234	1.3 R	0.12	0.091	3.19	0.00 - 0.50
5A-00254	30140	Th-232	1.44	0.016	0.078	3.1	1.00 - 3.50
5A-00254	30441	Th-232	1.3	0.003	0.065	3.1	0.00 - 0.50
5A-00254	30140	C-14	0.0142	0.025	0.0077	2.96	1.00 - 3.50
5A-00254	30441	C-14	0.026 U J	0.14	0.043	2.96	0.00 - 0.50
5A-00254	30140	Pb-212	1.83	0.03	0.1	2.69	1.00 - 3.50
5A-00254	30441	Pb-212	1.42	0.018	0.093	2.69	0.00 - 0.50
5A-00254	30140	Th-230	1.19	0.016	0.067	2.2	1.00 - 3.50
5A-00254	30441	Th-230	0.903	0.012	0.049	2.2	0.00 - 0.50
5A-00254	30140	Bi-212	1.19	0.16	0.11	2.15	1.00 - 3.50
5A-00254	30441	Bi-212	0.989	0.096	0.074	2.15	0.00 - 0.50
5A-00254	30140	U-233/234	0.942	0.011	0.052	2.02	1.00 - 3.50
5A-00254	30441	U-233/234	0.601	0.007	0.035	2.02	0.00 - 0.50
5A-00254	30140	U-238	0.963	0.012	0.052	1.8	1.00 - 3.50
5A-00254	30441	U-238	0.572	0.003	0.034	1.8	0.00 - 0.50
5A-00254	30140	Pb-214	0.935	0.028	0.048	1.7	1.00 - 3.50
5A-00254	30441	Pb-214	0.879	0.018	0.047	1.7	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00254	30140	Tc-99	-0.028 U	0.28	0.085	1.63	1.00 - 3.50
5A-00254	30441	Tc-99	-0.052 U	0.28	0.083	1.63	0.00 - 0.50
5A-00254	30140	Bi-214	0.859	0.028	0.046	1.59	1.00 - 3.50
5A-00254	30441	Bi-214	0.804	0.019	0.043	1.59	0.00 - 0.50
5A-00254	30140	Tl-208	0.588	0.021	0.032	0.937	1.00 - 3.50
5A-00254	30441	Tl-208	0.438 J	0.012	0.024	0.937	0.00 - 0.50
5A-00254	30140	Pa-231	0.01 U	0.63	0.19	0.936	1.00 - 3.50
5A-00254	30441	Pa-231	-0.007 U	0.46	0.14	0.936	0.00 - 0.50
5A-00254	30140	Sr-90	0.021	0.037	0.012	0.485	1.00 - 3.50
5A-00254	30441	Sr-90	0.013 U	0.043	0.013	0.485	0.00 - 0.50
5A-00254	30140	Sb-125	0.179 SK	0.044	0.015	0.354	1.00 - 3.50
5A-00254	30441	Sb-125	0.115 SK	0.031	0.0091	0.354	0.00 - 0.50
5A-00254	30140	Eu-155	0.121 SK	0.035	0.015	0.231	1.00 - 3.50
5A-00254	30441	Eu-155	0.084 SK	0.028	0.012	0.231	0.00 - 0.50
5A-00254	30140	Ac-227	0.059 U	0.15	0.061	0.217	1.00 - 3.50
5A-00254	30441	Ac-227	0.065	0.075	0.016	0.217	0.00 - 0.50
5A-00254	30140	Cs-137	0.0206	0.018	0.0069	0.207	1.00 - 3.50
5A-00254	30441	Cs-137	0.0389	0.0097	0.0051	0.207	0.00 - 0.50
5A-00254	30140	U-235/236	0.0503	0.011	0.009	0.151	1.00 - 3.50
5A-00254	30441	U-235/236	0.0275	0.0032	0.0058	0.151	0.00 - 0.50
5A-00254	30140	Eu-154	-0.022 U	0.11	0.032	0.15	1.00 - 3.50
5A-00254	30441	Eu-154	0.008 U	0.056	0.011	0.15	0.00 - 0.50
5A-00254	30140	Th-229	0.0043	0.0079	0.0026	0.145	1.00 - 3.50
5A-00254	30441	Th-229	0.0068	0.008	0.003	0.145	0.00 - 0.50
5A-00254	30140	Np-239	0.024 U	0.094	0.028	0.139	1.00 - 3.50
5A-00254	30441	Np-239	0.005 U	0.069	0.021	0.139	0.00 - 0.50
5A-00254	30140	Cs-134	-0.0134 U J	0.018	0.0055	0.0864	1.00 - 3.50
5A-00254	30441	Cs-134	0.0073 U	0.039	0.0021	0.0864	0.00 - 0.50
5A-00254	30140	Te-125m	0.0413 SK	0.01	0.0035	0.0838	1.00 - 3.50
5A-00254	30441	Te-125m	0.0265 SK	0.0071	0.0021	0.0838	0.00 - 0.50
5A-00254	30140	Eu-152	-0.012 U	0.042	0.013	0.0566	1.00 - 3.50
5A-00254	30441	Eu-152	-0.0045 U	0.028	0.0085	0.0566	0.00 - 0.50
5A-00254	30140	Np-236	0.005 U	0.029	0.0088	0.047	1.00 - 3.50
5A-00254	30441	Np-236	-0.005 U	0.025	0.0076	0.047	0.00 - 0.50
5A-00254	30140	Am-241	0.0012 U	0.0088	0.0021	0.0454	1.00 - 3.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00254	30441	Am-241	0.003	0.0055	0.0018	0.0454	0.00 - 0.50
5A-00254	30140	Cm-243/244	-0.0024 U	0.014	0.0029	0.0443	1.00 - 3.50
5A-00254	30441	Cm-243/244	-0.0008 U	0.007	0.0013	0.0443	0.00 - 0.50
5A-00254	30140	Ho-166m	0.0105 U	0.027	0.0079	0.0432	1.00 - 3.50
5A-00254	30441	Ho-166m	0.0019 U J	0.018	0.0012	0.0432	0.00 - 0.50
5A-00254	30140	Pu-238	0.0032	0.0055	0.002	0.0415	1.00 - 3.50
5A-00254	30441	Pu-238	0.0019	0.0047	0.0015	0.0415	0.00 - 0.50
5A-00254	30140	Pu-239/240	0.0019	0.0025	0.0013	0.0404	1.00 - 3.50
5A-00254	30441	Pu-239/240	0.0032	0.0022	0.0016	0.0404	0.00 - 0.50
5A-00254	30140	Cm-245/246	0.0024 U	0.0033	0.0017	0.0401	1.00 - 3.50
5A-00254	30441	Cm-245/246	0.0021 U	0.0077	0.0021	0.0401	0.00 - 0.50
5A-00254	30140	Na-22	-0.0062 U	0.027	0.0082	0.037	1.00 - 3.50
5A-00254	30441	Na-22	0.0042 U	0.017	0.0051	0.037	0.00 - 0.50
5A-00254	30140	Pu-244	0.0013 U	0.0055	0.0014	0.0313	1.00 - 3.50
5A-00254	30441	Pu-244	0.0003 U	0.0047	0.0009	0.0313	0.00 - 0.50
5A-00254	30140	Cm-247/248	0.0024 U	0.0032	0.0017	0.0306	1.00 - 3.50
5A-00254	30441	Cm-247/248	0 U	0.0028	0.001	0.0306	0.00 - 0.50
5A-00254	30140	Co-60	0.006 U	0.019	0.0058	0.028	1.00 - 3.50
5A-00254	30441	Co-60	0.0024 U	0.014	0.0041	0.028	0.00 - 0.50
5A-00254	30140	Sn-126	-0.0002 U	0.015	0.0043	0.0237	1.00 - 3.50
5A-00254	30441	Sn-126	0.0011 U	0.011	0.0032	0.0237	0.00 - 0.50
5A-00254	30140	Nb-94	0.0036 U	0.016	0.0033	0.0214	1.00 - 3.50
5A-00254	30441	Nb-94	0.0078 SK	0.01	0.0032	0.0214	0.00 - 0.50
5A-00255	30202	Cd-113m	-6.4 U	26	7.9	3030	0.00 - 0.50
5A-00255	30202	Cd-113m	-6.4	26	7.9	3030	0.00 - 0.50
5A-00255	30203	Cd-113m	8 U	34	10	3030	1.00 - 2.50
5A-00255	30202	Tm-171	0.8 U	4.1	1.3	72.4	0.00 - 0.50
5A-00255	30202	Tm-171	0.8	4.1	1.3	72.4	0.00 - 0.50
5A-00255	30203	Tm-171	-2.3 U J	5.7	1.7	72.4	1.00 - 2.50
5A-00255	30202	K-40	26.5	0.1	1.3	32.4	0.00 - 0.50
5A-00255	30202	K-40	26.5	0.1	1.3	32.4	0.00 - 0.50
5A-00255	30203	K-40	20.3	0.16	0.997	32.4	1.00 - 2.50
5A-00255	30202	H-3	0.09	0.21	0.064	11.9	0.00 - 0.50
5A-00255	30202	H-3	0.09 U	0.21	0.064	11.9	0.00 - 0.50
5A-00255	30203	H-3	0.067 U	0.24	0.073	11.9	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00255	30202	Th-228	0.57	0.007	0.032	3.98	0.00 - 0.50
5A-00255	30202	Th-228	0.57	0.007	0.032	3.98	0.00 - 0.50
5A-00255	30203	Th-228	1.29	0.012	0.063	3.98	1.00 - 2.50
5A-00255	30202	Th-234	0.727 R	0.1	0.059	3.19	0.00 - 0.50
5A-00255	30202	Th-234	0.727	0.1	0.059	3.19	0.00 - 0.50
5A-00255	30203	Th-234	1.44 R	0.16	0.0998	3.19	1.00 - 2.50
5A-00255	30202	Th-232	0.554	0.002	0.031	3.1	0.00 - 0.50
5A-00255	30202	Th-232	0.554	0.002	0.031	3.1	0.00 - 0.50
5A-00255	30203	Th-232	1.24	0.002	0.061	3.1	1.00 - 2.50
5A-00255	30202	Pb-212	0.74	0.016	0.042	2.69	0.00 - 0.50
5A-00255	30202	Pb-212	0.74	0.016	0.042	2.69	0.00 - 0.50
5A-00255	30203	Pb-212	1.34	0.023	0.066	2.69	1.00 - 2.50
5A-00255	30202	Th-230	0.505	0.006	0.029	2.2	0.00 - 0.50
5A-00255	30202	Th-230	0.505	0.006	0.029	2.2	0.00 - 0.50
5A-00255	30203	Th-230	1.04	0.002	0.052	2.2	1.00 - 2.50
5A-00255	30202	Bi-212	0.533	0.082	0.051	2.15	0.00 - 0.50
5A-00255	30202	Bi-212	0.533	0.082	0.051	2.15	0.00 - 0.50
5A-00255	30203	Bi-212	0.958	0.13	0.082	2.15	1.00 - 2.50
5A-00255	30202	U-233/234	0.419	0.003	0.022	2.02	0.00 - 0.50
5A-00255	30202	U-233/234	0.419	0.003	0.022	2.02	0.00 - 0.50
5A-00255	30203	U-233/234	0.814	0.003	0.044	2.02	1.00 - 2.50
5A-00255	30202	U-238	0.446	0.001	0.024	1.8	0.00 - 0.50
5A-00255	30202	U-238	0.446	0.001	0.024	1.8	0.00 - 0.50
5A-00255	30203	U-238	0.772	0.003	0.043	1.8	1.00 - 2.50
5A-00255	30202	Pb-214	0.465	0.018	0.025	1.7	0.00 - 0.50
5A-00255	30202	Pb-214	0.465	0.018	0.025	1.7	0.00 - 0.50
5A-00255	30203	Pb-214	0.748	0.025	0.044	1.7	1.00 - 2.50
5A-00255	30202	Bi-214	0.42	0.018	0.023	1.59	0.00 - 0.50
5A-00255	30202	Bi-214	0.42	0.018	0.023	1.59	0.00 - 0.50
5A-00255	30203	Bi-214	0.662	0.023	0.036	1.59	1.00 - 2.50
5A-00255	30202	Tl-208	0.222	0.01	0.012	0.937	0.00 - 0.50
5A-00255	30202	Tl-208	0.222	0.01	0.012	0.937	0.00 - 0.50
5A-00255	30203	Tl-208	0.476	0.018	0.026	0.937	1.00 - 2.50
5A-00255	30202	Pa-231	-0.02 U	0.39	0.12	0.936	0.00 - 0.50
5A-00255	30202	Pa-231	-0.02	0.39	0.12	0.936	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00255	30203	Pa-231	0.23 U	0.52	0.12	0.936	1.00 - 2.50
5A-00255	30202	Sr-90	-0.008 U	0.055	0.016	0.485	0.00 - 0.50
5A-00255	30202	Sr-90	-0.008	0.055	0.016	0.485	0.00 - 0.50
5A-00255	30203	Sr-90	0.003 U	0.037	0.011	0.485	1.00 - 2.50
5A-00255	30202	Sb-125	0.0658	0.026	0.0074	0.354	0.00 - 0.50
5A-00255	30202	Sb-125	0.0658 SK	0.026	0.0074	0.354	0.00 - 0.50
5A-00255	30203	Sb-125	0.11 JSK	0.04	0.01	0.354	1.00 - 2.50
5A-00255	30202	Eu-155	0.032	0.023	0.0093	0.231	0.00 - 0.50
5A-00255	30202	Eu-155	0.032 SK	0.023	0.0093	0.231	0.00 - 0.50
5A-00255	30203	Eu-155	0.077 SK	0.035	0.015	0.231	1.00 - 2.50
5A-00255	30202	Ac-227	0.198	0.096	0.012	0.217	0.00 - 0.50
5A-00255	30202	Ac-227	0.198 KR	0.096	0.012	0.217	0.00 - 0.50
5A-00255	30203	Ac-227	0.043 U	0.13	0.013	0.217	1.00 - 2.50
5A-00255	30202	Cs-137	-0.0043 U	0.0098	0.003	0.207	0.00 - 0.50
5A-00255	30202	Cs-137	-0.0043	0.0098	0.003	0.207	0.00 - 0.50
5A-00255	30203	Cs-137	0.0028 U	0.014	0.0042	0.207	1.00 - 2.50
5A-00255	30202	U-235/236	0.0213	0.0042	0.0037	0.151	0.00 - 0.50
5A-00255	30202	U-235/236	0.0213	0.0042	0.0037	0.151	0.00 - 0.50
5A-00255	30203	U-235/236	0.0233	0.011	0.006	0.151	1.00 - 2.50
5A-00255	30202	Eu-154	0.004	0.071	0.012	0.15	0.00 - 0.50
5A-00255	30202	Eu-154	0.004 U	0.071	0.012	0.15	0.00 - 0.50
5A-00255	30203	Eu-154	0.0052 U	0.099	0.0052	0.15	1.00 - 2.50
5A-00255	30202	Th-229	0.0025	0.0059	0.0019	0.145	0.00 - 0.50
5A-00255	30202	Th-229	0.0025	0.0059	0.0019	0.145	0.00 - 0.50
5A-00255	30203	Th-229	0.0089	0.0073	0.0033	0.145	1.00 - 2.50
5A-00255	30202	Np-239	-0.006 U	0.056	0.017	0.139	0.00 - 0.50
5A-00255	30202	Np-239	-0.006	0.056	0.017	0.139	0.00 - 0.50
5A-00255	30203	Np-239	-0.013 U	0.08	0.024	0.139	1.00 - 2.50
5A-00255	30202	Cs-134	0.0024 U	0.026	0.0011	0.0864	0.00 - 0.50
5A-00255	30202	Cs-134	0.0024	0.026	0.0011	0.0864	0.00 - 0.50
5A-00255	30203	Cs-134	0.0156 JSK	0.015	0.0046	0.0864	1.00 - 2.50
5A-00255	30202	Te-125m	0.0152	0.0059	0.0017	0.0838	0.00 - 0.50
5A-00255	30202	Te-125m	0.0152 SK	0.0059	0.0017	0.0838	0.00 - 0.50
5A-00255	30203	Te-125m	0.0255 JSK	0.0092	0.0023	0.0838	1.00 - 2.50
5A-00255	30202	Eu-152	-0.0038 U	0.025	0.0075	0.0566	0.00 - 0.50



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00255	30202	Eu-152	-0.0038	0.025	0.0075	0.0566	0.00 - 0.50
5A-00255	30203	Eu-152	0.0053 U	0.036	0.004	0.0566	1.00 - 2.50
5A-00255	30202	Np-236	0.0026	0.021	0.0062	0.047	0.00 - 0.50
5A-00255	30202	Np-236	0.0026 U	0.021	0.0062	0.047	0.00 - 0.50
5A-00255	30203	Np-236	0.0072 U	0.029	0.0089	0.047	1.00 - 2.50
5A-00255	30202	Am-241	0.0016	0.0011	0.0008	0.0454	0.00 - 0.50
5A-00255	30202	Am-241	0.0016	0.0011	0.0008	0.0454	0.00 - 0.50
5A-00255	30203	Am-241	0.0013 U	0.0048	0.0013	0.0454	1.00 - 2.50
5A-00255	30202	Pu-236	-0.0002 U	0.0055	0.001	0.0448	0.00 - 0.50
5A-00255	30202	Pu-236	-0.0002	0.0055	0.001	0.0448	0.00 - 0.50
5A-00255	30202	Cm-243/244	-0.0004	0.003	0.0004	0.0443	0.00 - 0.50
5A-00255	30202	Cm-243/244	-0.0004 U	0.003	0.0004	0.0443	0.00 - 0.50
5A-00255	30203	Cm-243/244	0 U	0.0048	0.0009	0.0443	1.00 - 2.50
5A-00255	30202	Ho-166m	-0.0004	0.016	0.0048	0.0432	0.00 - 0.50
5A-00255	30202	Ho-166m	-0.0004 U	0.016	0.0048	0.0432	0.00 - 0.50
5A-00255	30203	Ho-166m	0.0048 U	0.024	0.0059	0.0432	1.00 - 2.50
5A-00255	30202	Pu-238	0.0012 U	0.0047	0.0012	0.0415	0.00 - 0.50
5A-00255	30202	Pu-238	0.0012	0.0047	0.0012	0.0415	0.00 - 0.50
5A-00255	30203	Pu-238	-0.0004 U	0.0043	0.0004	0.0415	1.00 - 2.50
5A-00255	30202	Pu-239/240	-0.0005	0.0053	0.0009	0.0404	0.00 - 0.50
5A-00255	30202	Pu-239/240	-0.0005 U	0.0053	0.0009	0.0404	0.00 - 0.50
5A-00255	30203	Pu-239/240	0.0014	0.0019	0.001	0.0404	1.00 - 2.50
5A-00255	30202	Cm-245/246	0.0025	0.0017	0.0012	0.0401	0.00 - 0.50
5A-00255	30202	Cm-245/246	0.0025	0.0017	0.0012	0.0401	0.00 - 0.50
5A-00255	30203	Cm-245/246	0 U	0.0042	0.0009	0.0401	1.00 - 2.50
5A-00255	30202	Na-22	0.0049 U	0.017	0.0052	0.037	0.00 - 0.50
5A-00255	30202	Na-22	0.0049	0.017	0.0052	0.037	0.00 - 0.50
5A-00255	30203	Na-22	-0.0005 U	0.024	0.0072	0.037	1.00 - 2.50
5A-00255	30202	Am-243	0.0019	0.0025	0.0013	0.0333	0.00 - 0.50
5A-00255	30202	Am-243	0.0019	0.0025	0.0013	0.0333	0.00 - 0.50
5A-00255	30203	Am-243	0 U	0.0041	0.0009	0.0333	1.00 - 2.50
5A-00255	30202	Pu-244	0.0038	0.0017	0.0016	0.0313	0.00 - 0.50
5A-00255	30202	Pu-244	0.0038	0.0017	0.0016	0.0313	0.00 - 0.50
5A-00255	30203	Pu-244	0.0003 U	0.0043	0.0008	0.0313	1.00 - 2.50
5A-00255	30202	Cm-247/248	0.0018	0.0016	0.001	0.0306	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00255	30202	Cm-247/248	0.0018	0.0016	0.001	0.0306	0.00 - 0.50
5A-00255	30203	Cm-247/248	-0.0009 U	0.009	0.0009	0.0306	1.00 - 2.50
5A-00255	30202	Co-60	0.0029	0.012	0.0032	0.028	0.00 - 0.50
5A-00255	30202	Co-60	0.0029 U	0.012	0.0032	0.028	0.00 - 0.50
5A-00255	30203	Co-60	0.0023 U	0.018	0.0029	0.028	1.00 - 2.50
5A-00255	30202	Sn-126	0.0001	0.0099	0.003	0.0237	0.00 - 0.50
5A-00255	30202	Sn-126	0.0001 U	0.0099	0.003	0.0237	0.00 - 0.50
5A-00255	30203	Sn-126	0.003 U	0.015	0.0046	0.0237	1.00 - 2.50
5A-00255	30202	Nb-94	0.0064 SK	0.007	0.0021	0.0214	0.00 - 0.50
5A-00255	30202	Nb-94	0.0064	0.007	0.0021	0.0214	0.00 - 0.50
5A-00255	30203	Nb-94	0.0019 U	0.013	0.0019	0.0214	1.00 - 2.50
5A-00256	30204	Cd-113m	-42.2 U	82.5	28	3030	0.00 - 0.50
5A-00256	30205	Cd-113m	-9.7 U	32	9.6	3030	1.00 - 2.50
5A-00256	30204	Tm-171	-9.94 J U	8.68	3.88	72.4	0.00 - 0.50
5A-00256	30205	Tm-171	-0.6 U J	5	26	72.4	1.00 - 2.50
5A-00256	30204	K-40	19.9	0.0776	1.22	32.4	0.00 - 0.50
5A-00256	30205	K-40	18.4	0.11	0.94	32.4	1.00 - 2.50
5A-00256	30204	H-3	-1.39 U	9.64	2.84	11.9	0.00 - 0.50
5A-00256	30204	H-3	-1.39 U	9.64	2.84	11.9	0.00 - 0.50
5A-00256	30204	H-3	-1.39 U	9.64	2.84	11.9	0.00 - 0.50
5A-00256	30205	H-3	0.019 U	0.24	0.071	11.9	1.00 - 2.50
5A-00256	30204	Th-228	1.34	0.105	0.139	3.98	0.00 - 0.50
5A-00256	30205	Th-228	1.31	0.016	0.064	3.98	1.00 - 2.50
5A-00256	30204	Th-234	1.11	0.182	0.109	3.19	0.00 - 0.50
5A-00256	30205	Th-234	1.46 R	0.12	0.098	3.19	1.00 - 2.50
5A-00256	30204	Th-232	0.955	0.0499	0.103	3.1	0.00 - 0.50
5A-00256	30205	Th-232	1.34	0.002	0.065	3.1	1.00 - 2.50
5A-00256	30204	Pb-212	1.16	0.0235	0.0717	2.69	0.00 - 0.50
5A-00256	30205	Pb-212	1.64	0.02	0.11	2.69	1.00 - 2.50
5A-00256	30204	Th-230	0.761	0.0184	0.0878	2.2	0.00 - 0.50
5A-00256	30205	Th-230	0.949	0.006	0.048	2.2	1.00 - 2.50
5A-00256	30204	Bi-212	0.708	0.0911	0.0575	2.15	0.00 - 0.50
5A-00256	30205	Bi-212	0.978	0.077	0.065	2.15	1.00 - 2.50
5A-00256	30204	U-233/234	0.882	0.0385	0.0878	2.02	0.00 - 0.50
5A-00256	30205	U-233/234	0.828	0.012	0.046	2.02	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00256	30204	U-238	0.829	0.0305	0.0836	1.8	0.00 - 0.50
5A-00256	30205	U-238	0.757	0.003	0.043	1.8	1.00 - 2.50
5A-00256	30204	Pb-214	0.737	0.0212	0.0361	1.7	0.00 - 0.50
5A-00256	30205	Pb-214	0.782	0.019	0.042	1.7	1.00 - 2.50
5A-00256	30204	Bi-214	0.687	0.018	0.0326	1.59	0.00 - 0.50
5A-00256	30205	Bi-214	0.692	0.019	0.038	1.59	1.00 - 2.50
5A-00256	30204	Tl-208	0.362	0.0114	0.0205	0.937	0.00 - 0.50
5A-00256	30205	Tl-208	0.475	0.012	0.026	0.937	1.00 - 2.50
5A-00256	30204	Pa-231	-0.239 U	0.506	0.17	0.936	0.00 - 0.50
5A-00256	30205	Pa-231	-0.01 U	0.45	0.13	0.936	1.00 - 2.50
5A-00256	30204	Sr-90	0.0204 U	0.362	0.101	0.485	0.00 - 0.50
5A-00256	30205	Sr-90	-0.0043 U	0.033	0.0093	0.485	1.00 - 2.50
5A-00256	30204	Sb-125	-0.0074 U	0.029	0.0089	0.354	0.00 - 0.50
5A-00256	30205	Sb-125	0.0181 J L	0.021	0.0081	0.354	1.00 - 2.50
5A-00256	30204	Eu-155	0.0425 SK	0.0457	0.0171	0.231	0.00 - 0.50
5A-00256	30205	Eu-155	0.076 SK	0.027	0.012	0.231	1.00 - 2.50
5A-00256	30204	Ac-227	-0.0363 U	0.123	0.0375	0.217	0.00 - 0.50
5A-00256	30205	Ac-227	0.052 U	0.11	0.013	0.217	1.00 - 2.50
5A-00256	30204	Cs-137	-0.0058 U	0.0107	0.0036	0.207	0.00 - 0.50
5A-00256	30205	Cs-137	-0.0073 U	0.012	0.0038	0.207	1.00 - 2.50
5A-00256	30204	U-235/236	0.0513	0.0139	0.0166	0.151	0.00 - 0.50
5A-00256	30205	U-235/236	0.0392	0.0099	0.0077	0.151	1.00 - 2.50
5A-00256	30204	Eu-154	-0.0095 U	0.0629	0.0192	0.15	0.00 - 0.50
5A-00256	30205	Eu-154	0.014 U L	0.069	0.012	0.15	1.00 - 2.50
5A-00256	30204	Th-229	0.0204 U	0.0818	0.0226	0.145	0.00 - 0.50
5A-00256	30205	Th-229	0.0324	0.0066	0.0057	0.145	1.00 - 2.50
5A-00256	30204	Np-239	-0.0608 J U	0.0815	0.0283	0.139	0.00 - 0.50
5A-00256	30205	Np-239	-0.0006 U	0.071	0.021	0.139	1.00 - 2.50
5A-00256	30204	Cs-134	0.0039 U	0.0102	0.0036	0.0864	0.00 - 0.50
5A-00256	30205	Cs-134	0.002 U J	0.034	0.01	0.0864	1.00 - 2.50
5A-00256	30205	Te-125m	0.0042 J L	0.0048	0.0019	0.0838	1.00 - 2.50
5A-00256	30204	Eu-152	-0.0144 U	0.0301	0.0125	0.0566	0.00 - 0.50
5A-00256	30205	Eu-152	-0.013 U	0.026	0.0078	0.0566	1.00 - 2.50
5A-00256	30204	Np-236	0.004 U	0.0237	0.0073	0.047	0.00 - 0.50
5A-00256	30205	Np-236	-0.0096 U	0.025	0.0075	0.047	1.00 - 2.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00256	30204	Am-241	0.0059 U	0.0381	0.0105	0.0454	0.00 - 0.50
5A-00256	30205	Am-241	0.0037	0.002	0.0017	0.0454	1.00 - 2.50
5A-00256	30204	Pu-236	-0.0021 U	0.0228	0.0047	0.0448	0.00 - 0.50
5A-00256	30204	Cm-243/244	0.018	0.0262	0.0088	0.0443	0.00 - 0.50
5A-00256	30205	Cm-243/244	0.0023	0.0055	0.0017	0.0443	1.00 - 2.50
5A-00256	30204	Ho-166m	0.0057 U	0.0165	0.0051	0.0432	0.00 - 0.50
5A-00256	30205	Ho-166m	0.037 SK	0.018	0.0044	0.0432	1.00 - 2.50
5A-00256	30204	Pu-238	-0.0055 U	0.0198	0.0037	0.0415	0.00 - 0.50
5A-00256	30205	Pu-238	0.0013 U	0.0054	0.0014	0.0415	1.00 - 2.50
5A-00256	30204	Pu-239/240	-0.0037 U	0.0197	0.0037	0.0404	0.00 - 0.50
5A-00256	30205	Pu-239/240	0.0004 U	0.0053	0.001	0.0404	1.00 - 2.50
5A-00256	30205	Cm-245/246	0.0005 U	0.0075	0.0015	0.0401	1.00 - 2.50
5A-00256	30204	Na-22	-0.0018 U	0.0141	0.0043	0.037	0.00 - 0.50
5A-00256	30205	Na-22	0.0137 J	0.011	0.0049	0.037	1.00 - 2.50
5A-00256	30204	Am-243	0.0112	0.0173	0.0059	0.0333	0.00 - 0.50
5A-00256	30205	Am-243	0.0012 U	0.0034	0.0012	0.0333	1.00 - 2.50
5A-00256	30204	Pu-244	0.0092	0.005	0.0041	0.0313	0.00 - 0.50
5A-00256	30205	Pu-244	0.0009 U	0.0024	0.0009	0.0313	1.00 - 2.50
5A-00256	30205	Cm-247/248	0.0037	0.0034	0.0022	0.0306	1.00 - 2.50
5A-00256	30204	Co-60	-0.0066 U	0.0111	0.0038	0.028	0.00 - 0.50
5A-00256	30205	Co-60	0.0005 U	0.013	0.0018	0.028	1.00 - 2.50
5A-00256	30204	Sn-126	0.001 U	0.0106	0.0032	0.0237	0.00 - 0.50
5A-00256	30205	Sn-126	-0.001 U	0.012	0.0036	0.0237	1.00 - 2.50
5A-00256	30204	Nb-94	0.0058 SK	0.0096	0.0032	0.0214	0.00 - 0.50
5A-00256	30205	Nb-94	0.0105 SK	0.0074	0.0032	0.0214	1.00 - 2.50
5A-00257	30206	Cd-113m	-31.8 U	91.9	31	3030	0.00 - 0.50
5A-00257	30207	Cd-113m	6 U	35	11	3030	1.00 - 3.50
5A-00257	30206	Tm-171	-11.2 U J	10.2	4.47	72.4	0.00 - 0.50
5A-00257	30207	Tm-171	4.4	5.4	1.7	72.4	1.00 - 3.50
5A-00257	30206	K-40	20.6	0.0848	1.25	32.4	0.00 - 0.50
5A-00257	30207	K-40	20	0.1	1	32.4	1.00 - 3.50
5A-00257	30206	H-3	-2 U	8.72	2.55	11.9	0.00 - 0.50
5A-00257	30207	H-3	0.066 U	0.19	0.057	11.9	1.00 - 3.50
5A-00257	30206	Th-228	1.36	0.0903	0.129	3.98	0.00 - 0.50
5A-00257	30207	Th-228	1.36	0.009	0.066	3.98	1.00 - 3.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00257	30206	Th-234	1.29	0.203	0.113	3.19	0.00 - 0.50
5A-00257	30207	Th-234	1.64 R	0.14	0.11	3.19	1.00 - 3.50
5A-00257	30206	Th-232	1.13	0.0444	0.105	3.1	0.00 - 0.50
5A-00257	30207	Th-232	1.37	0.009	0.067	3.1	1.00 - 3.50
5A-00257	30206	Pb-212	1.45	0.0269	0.0886	2.69	0.00 - 0.50
5A-00257	30207	Pb-212	1.75	0.02	0.11	2.69	1.00 - 3.50
5A-00257	30206	Th-230	0.858	0.0445	0.0875	2.2	0.00 - 0.50
5A-00257	30207	Th-230	1.02	0.006	0.052	2.2	1.00 - 3.50
5A-00257	30206	Bi-212	0.886	0.105	0.0666	2.15	0.00 - 0.50
5A-00257	30207	Bi-212	1.1	0.1	0.079	2.15	1.00 - 3.50
5A-00257	30206	U-233/234	0.826	0.0462	0.0821	2.02	0.00 - 0.50
5A-00257	30207	U-233/234	0.789	0.009	0.045	2.02	1.00 - 3.50
5A-00257	30206	U-238	0.854	0.0358	0.0839	1.8	0.00 - 0.50
5A-00257	30207	U-238	0.825	0.009	0.047	1.8	1.00 - 3.50
5A-00257	30206	Pb-214	0.874	0.0236	0.0415	1.7	0.00 - 0.50
5A-00257	30207	Pb-214	0.893	0.022	0.049	1.7	1.00 - 3.50
5A-00257	30206	Bi-214	0.81	0.0201	0.0368	1.59	0.00 - 0.50
5A-00257	30207	Bi-214	0.789	0.022	0.043	1.59	1.00 - 3.50
5A-00257	30206	Tl-208	0.447	0.0131	0.0245	0.937	0.00 - 0.50
5A-00257	30207	Tl-208	0.519	0.015	0.028	0.937	1.00 - 3.50
5A-00257	30206	Pa-231	-0.106 U	0.564	0.179	0.936	0.00 - 0.50
5A-00257	30207	Pa-231	0.03 U	0.51	0.15	0.936	1.00 - 3.50
5A-00257	30206	Sr-90	0.137	0.197	0.0637	0.485	0.00 - 0.50
5A-00257	30207	Sr-90	-0.022 U	0.053	0.014	0.485	1.00 - 3.50
5A-00257	30206	Sb-125	0.0146 U	0.034	0.0106	0.354	0.00 - 0.50
5A-00257	30207	Sb-125	0.109 SK	0.035	0.0088	0.354	1.00 - 3.50
5A-00257	30206	Eu-155	0.0634 SK	0.051	0.0186	0.231	0.00 - 0.50
5A-00257	30207	Eu-155	0.078 SK	0.029	0.012	0.231	1.00 - 3.50
5A-00257	30206	Ac-227	0.145 J	0.14	0.0532	0.217	0.00 - 0.50
5A-00257	30207	Ac-227	0.053 U	0.12	0.013	0.217	1.00 - 3.50
5A-00257	30206	Cs-137	0.0025 U	0.0122	0.0043	0.207	0.00 - 0.50
5A-00257	30207	Cs-137	0 U	0.015	0.0029	0.207	1.00 - 3.50
5A-00257	30206	U-235/236	0.0666	0.0129	0.0184	0.151	0.00 - 0.50
5A-00257	30207	U-235/236	0.044	0.004	0.0083	0.151	1.00 - 3.50
5A-00257	30206	Eu-154	0.0123 U	0.0662	0.0225	0.15	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00257	30207	Eu-154	-0.0042 U	0.078	0.0062	0.15	1.00 - 3.50
5A-00257	30206	Th-229	0.0061 U	0.0728	0.0182	0.145	0.00 - 0.50
5A-00257	30207	Th-229	0.0181	0.011	0.0051	0.145	1.00 - 3.50
5A-00257	30206	Np-239	-0.0346 U	0.0908	0.0282	0.139	0.00 - 0.50
5A-00257	30207	Np-239	-0.017 U	0.074	0.022	0.139	1.00 - 3.50
5A-00257	30206	Cs-134	0.0079 JSK	0.012	0.0045	0.0864	0.00 - 0.50
5A-00257	30207	Cs-134	0.0146 U J	0.044	0.0044	0.0864	1.00 - 3.50
5A-00257	30207	Te-125m	0.0251 SK	0.008	0.002	0.0838	1.00 - 3.50
5A-00257	30206	Eu-152	-0.0127 U	0.0333	0.015	0.0566	0.00 - 0.50
5A-00257	30207	Eu-152	-0.0132 U	0.032	0.0097	0.0566	1.00 - 3.50
5A-00257	30206	Np-236	-0.0082 U	0.0261	0.0089	0.047	0.00 - 0.50
5A-00257	30207	Np-236	-0.0069 U	0.028	0.0085	0.047	1.00 - 3.50
5A-00257	30206	Am-241	0.0035 U	0.0128	0.0035	0.0454	0.00 - 0.50
5A-00257	30207	Am-241	0.0024	0.0021	0.0014	0.0454	1.00 - 3.50
5A-00257	30206	Pu-236	-0.0077 U	0.0355	0.0066	0.0448	0.00 - 0.50
5A-00257	30207	Pu-236	-0.0012 U	0.007	0.0008	0.0448	1.00 - 3.50
5A-00257	30206	Cm-243/244	0.0089	0.0048	0.004	0.0443	0.00 - 0.50
5A-00257	30207	Cm-243/244	-0.0016 U	0.0073	0.0011	0.0443	1.00 - 3.50
5A-00257	30206	Ho-166m	-0.0027 U	0.0176	0.0054	0.0432	0.00 - 0.50
5A-00257	30207	Ho-166m	0.0364 SK	0.019	0.0045	0.0432	1.00 - 3.50
5A-00257	30206	Pu-238	-0.01 U	0.04	0.0074	0.0415	0.00 - 0.50
5A-00257	30207	Pu-238	0.0023	0.006	0.0018	0.0415	1.00 - 3.50
5A-00257	30206	Pu-239/240	-0.0132 U	0.0467	0.0094	0.0404	0.00 - 0.50
5A-00257	30207	Pu-239/240	-0.0007 U	0.0068	0.0012	0.0404	1.00 - 3.50
5A-00257	30207	Cm-245/246	0 U	0.0059	0.0011	0.0401	1.00 - 3.50
5A-00257	30206	Na-22	-0.0044 U	0.0156	0.0048	0.037	0.00 - 0.50
5A-00257	30207	Na-22	-0.0004 U J	0.019	0.0058	0.037	1.00 - 3.50
5A-00257	30206	Am-243	0.0104	0.0244	0.0074	0.0333	0.00 - 0.50
5A-00257	30207	Am-243	0.0016 U	0.0021	0.0011	0.0333	1.00 - 3.50
5A-00257	30206	Pu-244	0.0066 U	0.0244	0.0066	0.0313	0.00 - 0.50
5A-00257	30207	Pu-244	0.0008 U	0.0022	0.0008	0.0313	1.00 - 3.50
5A-00257	30207	Cm-247/248	0 U	0.0073	0.0016	0.0306	1.00 - 3.50
5A-00257	30206	Co-60	0.003 U	0.013	0.0039	0.028	0.00 - 0.50
5A-00257	30207	Co-60	-0.0027 U	0.015	0.0046	0.028	1.00 - 3.50
5A-00257	30206	Sn-126	-0.001 U	0.0118	0.0036	0.0237	0.00 - 0.50

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00257	30207	Sn-126	0.0003 U	0.013	0.004	0.0237	1.00 - 3.50
5A-00257	30206	Nb-94	0.0052 U	0.0107	0.0034	0.0214	0.00 - 0.50
5A-00257	30207	Nb-94	0.0008 U J	0.012	0.0025	0.0214	1.00 - 3.50
5A-00258	30208	Cd-113m	5.6 U	26	7.8	3030	1.00 - 5.00
5A-00258	30208	Tm-171	0.7 U J	4.6	1.4	72.4	1.00 - 5.00
5A-00258	30208	K-40	20.4	0.2	1	32.4	1.00 - 5.00
5A-00258	30208	H-3	-0.005 U	0.25	0.075	11.9	1.00 - 5.00
5A-00258	30208	Th-228	1.3	0.018	0.067	3.98	1.00 - 5.00
5A-00258	30208	Th-234	1.51 R	0.14	0.1	3.19	1.00 - 5.00
5A-00258	30208	Th-232	1.34	0.009	0.069	3.1	1.00 - 5.00
5A-00258	30208	Pb-212	1.71	0.02	0.11	2.69	1.00 - 5.00
5A-00258	30208	Th-230	0.881 J	0.003	0.049	2.2	1.00 - 5.00
5A-00258	30208	Bi-212	1.11	0.11	0.082	2.15	1.00 - 5.00
5A-00258	30208	U-233/234	0.537	0.007	0.028	2.02	1.00 - 5.00
5A-00258	30208	U-238	0.605	0.004	0.031	1.8	1.00 - 5.00
5A-00258	30208	Pb-214	0.879	0.026	0.048	1.7	1.00 - 5.00
5A-00258	30208	Bi-214	0.75	0.022	0.041	1.59	1.00 - 5.00
5A-00258	30208	Tl-208	0.518	0.016	0.029	0.937	1.00 - 5.00
5A-00258	30208	Pa-231	0.07 U	0.52	0.16	0.936	1.00 - 5.00
5A-00258	30208	Sr-90	-0.012 U	0.037	0.01	0.485	1.00 - 5.00
5A-00258	30208	Sb-125	0.156 SK	0.032	0.012	0.354	1.00 - 5.00
5A-00258	30208	Eu-155	0.074 SK	0.031	0.013	0.231	1.00 - 5.00
5A-00258	30208	Ac-227	0.008 U	0.13	0.011	0.217	1.00 - 5.00
5A-00258	30208	Cs-137	0.0157	0.014	0.0044	0.207	1.00 - 5.00
5A-00258	30208	U-235/236	0.0218	0.0063	0.0042	0.151	1.00 - 5.00
5A-00258	30208	Eu-154	0.0014 U	0.081	0.0088	0.15	1.00 - 5.00
5A-00258	30208	Th-229	0.0073	0.0033	0.003	0.145	1.00 - 5.00
5A-00258	30208	Np-239	-0.006 U	0.081	0.024	0.139	1.00 - 5.00
5A-00258	30208	Cs-134	0.0145 U	0.045	0.0037	0.0864	1.00 - 5.00
5A-00258	30208	Te-125m	0.0361 SK	0.0073	0.0029	0.0838	1.00 - 5.00
5A-00258	30208	Eu-152	-0.012 U	0.033	0.01	0.0566	1.00 - 5.00
5A-00258	30208	Np-236	-0.0076 U	0.027	0.0081	0.047	1.00 - 5.00
5A-00258	30208	Am-241	0.0008 U	0.0073	0.0018	0.0454	1.00 - 5.00
5A-00258	30208	Cm-243/244	0.0016 U	0.0021	0.0011	0.0443	1.00 - 5.00
5A-00258	30208	Ho-166m	0.0051 U	0.021	0.0042	0.0432	1.00 - 5.00

**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00258	30208	Pu-238	-0.0002 U	0.007	0.0013	0.0415	1.00 - 5.00
5A-00258	30208	Pu-239/240	0.0019	0.0026	0.0014	0.0404	1.00 - 5.00
5A-00258	30208	Cm-245/246	0 U	0.006	0.0013	0.0401	1.00 - 5.00
5A-00258	30208	Na-22	0.0072 U	0.016	0.0049	0.037	1.00 - 5.00
5A-00258	30208	Am-243	0.0019	0.0017	0.0011	0.0333	1.00 - 5.00
5A-00258	30208	Pu-244	0 U	0.0026	0.0006	0.0313	1.00 - 5.00
5A-00258	30208	Cm-247/248	0 U	0.0017	0.0006	0.0306	1.00 - 5.00
5A-00258	30208	Co-60	0.0011 U	0.016	0.0032	0.028	1.00 - 5.00
5A-00258	30208	Sn-126	0.0017 U	0.01	0.0031	0.0237	1.00 - 5.00
5A-00258	30208	Nb-94	0.0026 U	0.0093	0.002	0.0214	1.00 - 5.00
5A-00259	30442	Cd-113m	2 U	40	12	3030	1.00 - 2.00
5A-00259	30442	Tm-171	2.3 U J	5.7	1.7	72.4	1.00 - 2.00
5A-00259	30442	K-40	18.5	0.16	0.92	32.4	1.00 - 2.00
5A-00259	30442	Th-228	1.24	0.013	0.062	3.98	1.00 - 2.00
5A-00259	30442	Th-234	0.48 R	0.16	0.055	3.19	1.00 - 2.00
5A-00259	30442	Th-232	1.26	0.008	0.064	3.1	1.00 - 2.00
5A-00259	30442	Pb-212	1.44	0.025	0.082	2.69	1.00 - 2.00
5A-00259	30442	Th-230	0.847	0.009	0.046	2.2	1.00 - 2.00
5A-00259	30442	Bi-212	1.07	0.15	0.1	2.15	1.00 - 2.00
5A-00259	30442	U-233/234	0.607	0.008	0.034	2.02	1.00 - 2.00
5A-00259	30442	U-238	0.62	0.009	0.035	1.8	1.00 - 2.00
5A-00259	30442	Pb-214	0.688	0.027	0.036	1.7	1.00 - 2.00
5A-00259	30442	Bi-214	0.622	0.026	0.034	1.59	1.00 - 2.00
5A-00259	30442	Tl-208	0.447	0.019	0.025	0.937	1.00 - 2.00
5A-00259	30442	Pa-231	0.07 U	0.55	0.16	0.936	1.00 - 2.00
5A-00259	30442	Sr-90	0.023	0.034	0.011	0.485	1.00 - 2.00
5A-00259	30442	Sb-125	0.151 SK	0.045	0.013	0.354	1.00 - 2.00
5A-00259	30442	Eu-155	0.066 SK	0.032	0.013	0.231	1.00 - 2.00
5A-00259	30442	Ac-227	0.027 U	0.14	0.027	0.217	1.00 - 2.00
5A-00259	30442	Cs-137	0.0533	0.019	0.0078	0.207	1.00 - 2.00
5A-00259	30442	U-235/236	0.0304	0.0077	0.006	0.151	1.00 - 2.00
5A-00259	30442	Eu-154	-0.047 U	0.11	0.033	0.15	1.00 - 2.00
5A-00259	30442	Th-229	0.0028	0.0025	0.0016	0.145	1.00 - 2.00
5A-00259	30442	Np-239	-0.012 U	0.088	0.027	0.139	1.00 - 2.00
5A-00259	30442	Cs-134	0.0131 SK	0.026	0.0041	0.0864	1.00 - 2.00



**Table A.2**  
**Analytical Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5A-00259	30442	Te-125m	0.0348 SK	0.01	0.0031	0.0838	1.00 - 2.00
5A-00259	30442	Eu-152	-0.0017 U	0.034	0.0023	0.0566	1.00 - 2.00
5A-00259	30442	Np-236	0.0005 U	0.028	0.0085	0.047	1.00 - 2.00
5A-00259	30442	Am-241	0.0029	0.0054	0.0018	0.0454	1.00 - 2.00
5A-00259	30442	Cm-243/244	0.0006 U	0.0016	0.0006	0.0443	1.00 - 2.00
5A-00259	30442	Ho-166m	0.0161 SK	0.026	0.0098	0.0432	1.00 - 2.00
5A-00259	30442	Pu-238	0.0005 U	0.0047	0.0011	0.0415	1.00 - 2.00
5A-00259	30442	Pu-239/240	0.0005 U	0.0047	0.0011	0.0404	1.00 - 2.00
5A-00259	30442	Cm-245/246	0.0021 U	0.0029	0.0015	0.0401	1.00 - 2.00
5A-00259	30442	Na-22	0.0158 L R	0.014	0.0056	0.037	1.00 - 2.00
5A-00259	30442	Pu-244	0.0025	0.0047	0.0016	0.0313	1.00 - 2.00
5A-00259	30442	Cm-247/248	0 U	0.0028	0.001	0.0306	1.00 - 2.00
5A-00259	30442	Co-60	0.0069 U	0.019	0.0043	0.028	1.00 - 2.00
5A-00259	30442	Sn-126	0.004 U	0.015	0.0046	0.0237	1.00 - 2.00
5A-00259	30442	Nb-94	0.0012 U	0.015	0.003	0.0214	1.00 - 2.00

**Notes:**

Refer to Table 2.1 of the Final Field Sampling Plan for Soil Sampling (HGL, 2012a) for a definition of radionuclide symbols.

Reporting units in picocuries per gram.

bgs - below ground surface

ID - identification

MDC - minimum detectable concentration

RTL - radiological trigger level

TPU - total propagated uncertainty

J - The analyte was detected at the reported concentration; the quantitation is an estimate.

K - Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L - Analyte present. Reported value may be biased low. Actual value is expected to be higher.

R - The result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

S - Analyte result is subject to spectral interference. Unless otherwise qualified, the data is believed to be consistent with the background study results and may be used for its intended purpose.

U - Not considered detected. The associated number is the reported concentration.

UJ - Not considered detected. The associated number is the reported concentration, which may be inaccurate.

Z - The initial laboratory result was reported above its respective RTL (or Lookup Table value). The gamma spectrometry data has been inspected to determine whether the exceeding analyte is present at a quantity greater than the RTL. In the analyst's judgment, the result is unsupported by the analytical data and is therefore not considered an RTL exceedance.

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00009	30021	Ac-227	0.064	0.088	0.017	30383	Ac-227	0.049 U	0.11	0.017
5A-00009	30021	Ac-228	1.08	0.07	0.058	30383	Ac-228	1.15	0.056	0.06
5A-00009	30021	Am-241	0.0028	0.0068	0.0021	30383	Am-241	0.001 U	0.0076	0.0018
5A-00009	30021	Bi-212	1	0.11	0.079	30383	Bi-212	1.06	0.1	0.081
5A-00009	30021	Bi-214	0.788	0.018	0.042	30383	Bi-214	0.808 J	0.019	0.044
5A-00009	30021	C-14	0.035	0.042	0.013	30383	C-14	0.0047 U	0.032	0.0095
5A-00009	30021	Cd-113m	-3.7 U	33	9.9	30383	Cd-113m	-2.4 U	33	9.8
5A-00009	30021	Cm-243/244	0.0019 U	0.0025	0.0013	30383	Cm-243/244	0 U	0.0077	0.0015
5A-00009	30021	Cm-245/246	0.0056	0.005	0.0032	30383	Cm-245/246	0.001 U	0.0027	0.001
5A-00009	30021	Cm-247/248	-0.0011 U	0.011	0.0011	30383	Cm-247/248	0 U	0.0073	0.0014
5A-00009	30021	Co-60	-0.0007 U	0.015	0.0043	30383	Co-60	-0.002 U	0.015	0.0045
5A-00009	30021	Cs-134	0.0095 U	0.042	0.0028	30383	Cs-134	0.0163 U J	0.04	0.0051
5A-00009	30021	Cs-137	0.0129	0.0081	0.0034	30383	Cs-137	0.0115	0.0079	0.0034
5A-00009	30021	Eu-154	0.0003 U	0.07	0.021	30383	Eu-154	-0.0032 U	0.075	0.0048
5A-00009	30021	Eu-155	0.07 SK	0.029	0.012	30383	Eu-155	0.063 SK	0.027	0.012
5A-00009	30021	Ho-166m	0.0063 U J	0.019	0.0048	30383	Ho-166m	0.0025 U	0.018	0.0053
5A-00009	30021	K-40	21.4	0.1	1.1	30383	K-40	22.3	0.1	1.1
5A-00009	30021	Na-22	-0.0054 U	0.02	0.0061	30383	Na-22	-0.0048 U	0.02	0.006
5A-00009	30021	Nb-94	0.0127 SK	0.0084	0.004	30383	Nb-94	0.0049 U	0.01	0.0022
5A-00009	30021	Ni-59	-0.08 U	0.45	0.12	30383	Ni-59	-0.08 U	0.42	0.12
5A-00009	30021	Ni-63	-0.09 U	0.69	0.2	30383	Ni-63	0.39	0.65	0.2
5A-00009	30021	Np-236	-0.0033 U	0.025	0.0074	30383	Np-236	-0.0034 U	0.024	0.0074

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00009	30021	Np-239	-0.01 U	0.068	0.021	30383	Np-239	0.007 U	0.071	0.021
5A-00009	30021	Pa-231	0.02 U	0.45	0.016	30383	Pa-231	0.07 U	0.44	0.13
5A-00009	30021	Pb-212	1.47	0.019	0.096	30383	Pb-212	1.52	0.019	0.0996
5A-00009	30021	Pb-214	0.877	0.022	0.047	30383	Pb-214	0.905	0.018	0.049
5A-00009	30021	Pu-238	0.0023	0.0049	0.0015	30383	Pu-238	0.00199	0.0013	0.000998
5A-00009	30021	Pu-239/240	0.00137	0.0012	0.00079	30383	Pu-239/240	0.003	0.0013	0.0012
5A-00009	30021	Pu-244	0 U	0.0012	0.00045	30383	Pu-244	-0.00049 U	0.0036	0.00049
5A-00009	30021	Sb-125	0.128 SK	0.027	0.01	30383	Sb-125	0.124 SK	0.033	0.01
5A-00009	30021	Sn-126	0.0018 U	0.011	0.0034	30383	Sn-126	-0.0026 U	0.011	0.0032
5A-00009	30021	Sr-90	0.019 U	0.043	0.013	30383	Sr-90	-0.0009 U	0.057	0.016
5A-00009	30021	Tc-99	-0.097 U	0.28	0.083	30383	Tc-99	-0.121 U	0.3	0.09
5A-00009	30021	Th-228	1.58	0.023	0.079	30383	Th-228	1.43	0.024	0.074
5A-00009	30021	Th-229	0.008	0.0036	0.0033	30383	Th-229	0.0078	0.0023	0.0026
5A-00009	30021	Th-230	0.898	0.006	0.047	30383	Th-230	0.844	0.01	0.045
5A-00009	30021	Th-232	1.12	0.008	0.056	30383	Th-232	1.05	0.003	0.054
5A-00009	30021	Tl-208	0.447	0.015	0.025	30383	Tl-208	0.443	0.011	0.024
5A-00009	30021	Tm-171	-2.1 U	5.2	1.6	30383	Tm-171	-2.6 U	4.4	1.4
5A-00009	30021	U-233/234	0.662	0.013	0.04	30383	U-233/234	0.73	0.012	0.043
5A-00009	30021	U-235/236	0.0366	0.004	0.0075	30383	U-235/236	0.0388	0.0042	0.0079
5A-00009	30021	U-238	0.702	0.003	0.041	30383	U-238	0.749	0.009	0.044
5A-00114	30043	Ac-227	0.037 U	0.14	0.064	30404	Ac-227	0.041 U	0.12	0.036
5A-00114	30043	Ac-228	1.26	0.077	0.065	30404	Ac-228	1.22	0.072	0.064

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00114	30043	Am-241	0.0036 U	0.011	0.0031	30404	Am-241	0.0023	0.0056	0.0017
5A-00114	30043	Bi-212	1.17	0.12	0.085	30404	Bi-212	1.12	0.1	0.083
5A-00114	30043	Bi-214	0.75	0.025	0.04	30404	Bi-214	0.778	0.021	0.042
5A-00114	30043	C-14	0.0028 U	0.027	0.0081	30404	C-14	0.0098 U	0.029	0.0087
5A-00114	30043	Cd-113m	2 U	39	12	30404	Cd-113m	15 U	33	10
5A-00114	30043	Cm-243/244	0.0027	0.0067	0.002	30404	Cm-243/244	0 U	0.0071	0.0015
5A-00114	30043	Cm-245/246	0.0024	0.0021	0.0014	30404	Cm-245/246	0 U	0.004	0.00088
5A-00114	30043	Cm-247/248	-0.0002 U	0.0056	0.001	30404	Cm-247/248	0.0014 U	0.0039	0.0014
5A-00114	30043	Co-60	0.0025 U	0.018	0.0036	30404	Co-60	0.0049 U	0.014	0.0042
5A-00114	30043	Cs-134	-0.0152 U J	0.018	0.0056	30404	Cs-134	0.0073 U	0.046	0.0028
5A-00114	30043	Cs-137	0.0057 U	0.018	0.0069	30404	Cs-137	0.0548	0.012	0.0067
5A-00114	30043	Eu-152	-0.008 U	0.037	0.011	30404	Eu-152	-0.0058 U	0.031	0.0092
5A-00114	30043	Eu-154	-0.048 U	0.098	0.03	30404	Eu-154	0.0047 U	0.08	0.0082
5A-00114	30043	Eu-155	0.081 SK	0.032	0.013	30404	Eu-155	0.068 SK	0.03	0.013
5A-00114	30043	H-3	0.068 U	0.25	0.076	30404	H-3	-0.04 U	0.2	0.06
5A-00114	30043	Ho-166m	0.0072 U	0.024	0.0081	30404	Ho-166m	0.037 JSK	0.019	0.0046
5A-00114	30043	K-40	15	0.15	0.74	30404	K-40	18	0.12	0.92
5A-00114	30043	Na-22	-0.0031 U	0.024	0.0071	30404	Na-22	0 U	0.022	0.0044
5A-00114	30043	Nb-94	0.0063 U	0.015	0.0044	30404	Nb-94	0.0036 U	0.011	0.0033
5A-00114	30043	Ni-59	0 U J	0.4	0.14	30404	Ni-59	0 U	0.61	0.17
5A-00114	30043	Ni-63	0.57 U J	1.3	0.4	30404	Ni-63	-0.09 U	1.1	0.33
5A-00114	30043	Np-236	-0.0057 U	0.027	0.0083	30404	Np-236	-0.0062 U	0.025	0.0077

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00114	30043	Np-239	0.022 U	0.079	0.024	30404	Np-239	0.008 U	0.047	0.014
5A-00114	30043	Pa-231	-0.14 U	0.58	0.17	30404	Pa-231	-0.15 U	0.5	0.15
5A-00114	30043	Pb-212	1.62	0.025	0.092	30404	Pb-212	1.66	0.02	0.11
5A-00114	30043	Pb-214	0.843	0.026	0.043	30404	Pb-214	0.905	0.024	0.049
5A-00114	30043	Pu-238	-0.0007 U	0.0076	0.0013	30404	Pu-238	0.0031	0.0033	0.0014
5A-00114	30043	Pu-239/240	0.0022	0.0054	0.0017	30404	Pu-239/240	0.0036	0.0012	0.0013
5A-00114	30043	Pu-244	0.00091 U	0.0025	0.00091	30404	Pu-244	0 U	0.0012	0.00045
5A-00114	30043	Sb-125	0.146 SK	0.042	0.013	30404	Sb-125	0.119 SK	0.035	0.0099
5A-00114	30043	Sn-126	0.0036 U	0.016	0.0048	30404	Sn-126	0.003 U	0.012	0.0038
5A-00114	30043	Sr-90	0.012 U	0.038	0.011	30404	Sr-90	-0.004 U	0.04	0.011
5A-00114	30043	Tc-99	-0.069 U	0.29	0.089	30404	Tc-99	-0.096 U	0.27	0.081
5A-00114	30043	Th-228	1.82	0.031	0.093	30404	Th-228	1.83	0.022	0.089
5A-00114	30043	Th-229	0.0104	0.0096	0.0039	30404	Th-229	0.0094	0.0063	0.0031
5A-00114	30043	Th-230	0.9	0.008	0.05	30404	Th-230	0.905	0.002	0.046
5A-00114	30043	Th-232	1.28	0.003	0.066	30404	Th-232	1.27	0.007	0.062
5A-00114	30043	Tl-208	0.492	0.017	0.026	30404	Tl-208	0.49	0.016	0.027
5A-00114	30043	Tm-171	0.03 U	6	1.8	30404	Tm-171	-1.9 U	5.4	1.6
5A-00114	30043	U-233/234	0.508	0.003	0.025	30404	U-233/234	0.635	0.001	0.032
5A-00114	30043	U-235/236	0.0266	0.0012	0.0036	30404	U-235/236	0.0365	0.0017	0.0051
5A-00114	30043	U-238	0.551	0.003	0.027	30404	U-238	0.633	0.001	0.032
5A-00249	30076	Ac-227	0.0186 U	0.143	0.0425	30401	Ac-227	-0.0122 U	0.148	0.0452
5A-00249	30076	Am-241	0.0238	0.0291	0.0107	30401	Am-241	-0.00426 U	0.0255	0.00422

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00249	30076	Bi-212	0.9	0.108	0.0686	30401	Bi-212	1.01	0.115	0.0736
5A-00249	30076	Bi-214	0.9	0.021	0.0403	30401	Bi-214	1.01	0.0215	0.0443
5A-00249	30076	Cd-113m	-6.98 U	97.1	31.6	30401	Cd-113m	-23.6 U	99.5	32.2
5A-00249	30076	Cm-243/244	0.0228	0.0345	0.0116	30401	Cm-243/244	-0.00733 U	0.0373	0.00773
5A-00249	30076	Co-60	-0.00147 U	0.013	0.00388	30401	Co-60	0.000583 U	0.0134	0.00392
5A-00249	30076	Cs-134	-0.000195 U	0.0122	0.00428	30401	Cs-134	-0.00198 U	0.0124	0.00429
5A-00249	30076	K-40	22	0.0911	1.33	30401	K-40	24.7	0.0929	1.42
5A-00249	30076	Na-22	-0.00252 U	0.0168	0.00508	30401	Na-22	0.00032 U	0.0175	0.00596
5A-00249	30076	Nb-94	0.0051 U	0.011	0.00349	30401	Nb-94	0.00454 U	0.0115	0.00355
5A-00249	30076	Np-236	0.000669 U	0.0273	0.00905	30401	Np-236	-0.000592 U	0.0288	0.00858
5A-00249	30076	Np-239	-0.0144 U	0.0948	0.0282	30401	Np-239	-0.0319 U	0.0963	0.0304
5A-00249	30076	Pa-231	-0.321 U	0.584	0.201	30401	Pa-231	-0.0183 U	0.604	0.2
5A-00249	30076	Pb-212	1.57	0.0283	0.0958	30401	Pb-212	1.69	0.0293	0.101
5A-00249	30076	Pb-214	0.962	0.0244	0.0453	30401	Pb-214	1.1	0.0249	0.0519
5A-00249	30076	Pu-236	-0.00871 U	0.0506	0.012	30401	Pu-236	0 U	0.0416	0.01
5A-00249	30076	Pu-238	0.00252 U	0.042	0.011	30401	Pu-238	0.00275 U	0.0203	0.00477
5A-00249	30076	Pu-239/240	0.01 U	0.027	0.00795	30401	Pu-239/240	0.00274 U	0.0202	0.00475
5A-00249	30076	Pu-244	0.00251 U	0.0185	0.00434	30401	Pu-244	0.00548	0.00742	0.00389
5A-00249	30076	Sb-125	0.0149 U	0.0361	0.0112	30401	Sb-125	-0.00518 U	0.036	0.0107
5A-00249	30076	Sn-126	0.00196 U	0.0123	0.00372	30401	Sn-126	-0.0017 U	0.0125	0.00379
5A-00249	30076	Sr-90	0.0767 K	0.127	0.0406	30401	Sr-90	-0.0265 U K	0.136	0.0337
5A-00249	30076	Th-228	1.24	0.0934	0.129	30401	Th-228	1.73	0.0216	0.154

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00249	30076	Th-229	0.0708	0.0192	0.0228	30401	Th-229	0.00651 U	0.0783	0.0195
5A-00249	30076	Th-230	0.862	0.052	0.0935	30401	Th-230	0.676	0.0604	0.078
5A-00249	30076	Th-232	0.916	0.0519	0.0971	30401	Th-232	1.08	0.0477	0.105
5A-00249	30076	Tl-208	0.483	0.0137	0.0261	30401	Tl-208	0.533	0.0142	0.0287
5A-00249	30076	Tm-171	-12.3 U J	10.6	4.76	30401	Tm-171	-8.83 U	12	4.59
5A-00249	30076	U-233/234	0.953	0.0374	0.0922	30401	U-233/234	0.638	0.0374	0.0685
5A-00249	30076	U-235/236	0.0547	0.0135	0.017	30401	U-235/236	0.0298	0.0366	0.0142
5A-00249	30076	U-238	0.886	0.0484	0.0876	30401	U-238	0.684	0.0296	0.0718
5A-00110	30082	Ac-227	0.025 U	0.13	0.028	30389	Ac-227	0.021 U	0.11	0.023
5A-00110	30082	Ac-228	1.09	0.081	0.057	30389	Ac-228	1.13	0.077	0.059
5A-00110	30082	Am-241	0.0066	0.007	0.0029	30389	Am-241	0.002 U	0.0075	0.002
5A-00110	30082	Bi-212	0.902	0.13	0.079	30389	Bi-212	0.937	0.11	0.064
5A-00110	30082	Bi-214	0.736	0.022	0.039	30389	Bi-214	0.76	0.025	0.041
5A-00110	30082	C-14	0.041	0.045	0.014	30389	C-14	0.019	0.036	0.011
5A-00110	30082	Cd-113m	-2 U	38	11	30389	Cd-113m	0.9 U	21	6.4
5A-00110	30082	Cm-243/244	0.001 U	0.007	0.0017	30389	Cm-243/244	0 U	0.0028	0.001
5A-00110	30082	Cm-245/246	0.0017 U	0.0024	0.0012	30389	Cm-245/246	0.0009 U	0.0069	0.0016
5A-00110	30082	Cm-247/248	0.0017 U	0.0063	0.0017	30389	Cm-247/248	-0.0009 U	0.0085	0.0016
5A-00110	30082	Co-60	0.0067 U	0.018	0.0055	30389	Co-60	0.0029 U	0.019	0.0056
5A-00110	30082	Cs-134	0.0032 U J	0.012	0.0045	30389	Cs-134	0.0013 U J	0.046	0.0043
5A-00110	30082	Cs-137	0.154	0.017	0.011	30389	Cs-137	0.14	0.014	0.01
5A-00110	30082	Eu-152	0.002 U	0.036	0.011	30389	Eu-152	0.0015 U	0.035	0.0094

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00110	30082	Eu-154	-0.036 U	0.099	0.03	30389	Eu-154	0.029 U	0.096	0.02
5A-00110	30082	Eu-155	0.059 SK	0.032	0.013	30389	Eu-155	0.07 SK	0.031	0.013
5A-00110	30082	Ho-166m	0.0123 SK	0.024	0.0073	30389	Ho-166m	0.0014 U	0.023	0.0026
5A-00110	30082	K-40	20	0.13	0.98	30389	K-40	20.9	0.1	1
5A-00110	30082	Na-22	-0.0104 U	0.025	0.0077	30389	Na-22	-0.0041 U	0.023	0.0069
5A-00110	30082	Nb-94	0.0054 U	0.013	0.0026	30389	Nb-94	0.0027 U	0.013	0.0038
5A-00110	30082	Ni-59	0 U	0.18	0.046	30389	Ni-59	0 U L	0.16	0.047
5A-00110	30082	Ni-63	0.27	0.43	0.13	30389	Ni-63	0.11 U	0.44	0.13
5A-00110	30082	Np-236	-0.0046 U	0.027	0.0082	30389	Np-236	0.0095 U	0.021	0.0064
5A-00110	30082	Np-239	0.02 U	0.076	0.023	30389	Np-239	0.028 U	0.079	0.024
5A-00110	30082	Pa-231	0.17 U	0.5	0.13	30389	Pa-231	0.059 U	0.55	0.076
5A-00110	30082	Pb-212	1.47	0.023	0.082	30389	Pb-212	1.48	0.022	0.083
5A-00110	30082	Pb-214	0.812	0.022	0.042	30389	Pb-214	0.847	0.025	0.044
5A-00110	30082	Pu-238	0.0022 U	0.0078	0.0022	30389	Pu-238	-0.0002 U	0.0062	0.0011
5A-00110	30082	Pu-239/240	0.0054	0.005	0.0023	30389	Pu-239/240	0.0029	0.0051	0.0018
5A-00110	30082	Pu-244	0.0017	0.0023	0.0012	30389	Pu-244	0.0037	0.005	0.002
5A-00110	30082	Sb-125	0.129 SK	0.043	0.012	30389	Sb-125	0.115 SK	0.04	0.011
5A-00110	30082	Sn-126	0.0004 U	0.015	0.0046	30389	Sn-126	0.0046 U	0.014	0.0043
5A-00110	30082	Sr-90	0.023 U	0.062	0.018	30389	Sr-90	-0.005 U	0.046	0.013
5A-00110	30082	Tc-99	-0.06 U	0.3	0.09	30389	Tc-99	-0.046 U	0.29	0.087
5A-00110	30082	Th-228	1.58	0.025	0.083	30389	Th-228	1.62	0.024	0.085
5A-00110	30082	Th-229	0.0054	0.0067	0.0026	30389	Th-229	0.0104	0.0077	0.0037



**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00110	30082	Th-230	0.72	0.011	0.042	30389	Th-230	0.883	0.003	0.049
5A-00110	30082	Th-232	1.06	0.003	0.057	30389	Th-232	1.14	0.009	0.06
5A-00110	30082	Tl-208	0.447	0.016	0.024	30389	Tl-208	0.478	0.015	0.025
5A-00110	30082	Tm-171	0.4 U	4.5	1.3	30389	Tm-171	-2.9 U	5.6	1.7
5A-00110	30082	U-233/234	0.828	0.012	0.047	30389	U-233/234	0.731	0.012	0.042
5A-00110	30082	U-235/236	0.0462	0.0039	0.0084	30389	U-235/236	0.0376	0.0036	0.0073
5A-00110	30082	U-238	0.736	0.012	0.043	30389	U-238	0.635	0.012	0.037
5A-00145	30099	Ac-228	1.09	0.059	0.064	30392	Ac-228	1.28	0.064	0.066
5A-00145	30099	Am-241	0 U	0.008	0.0018	30392	Am-241	0.0043	0.008	0.0027
5A-00145	30099	Bi-212	0.96	0.082	0.066	30392	Bi-212	1.06	0.11	0.085
5A-00145	30099	Bi-214	0.682	0.017	0.037	30392	Bi-214	0.795	0.02	0.043
5A-00145	30099	C-14	0.003 U J	0.065	0.019	30392	C-14	0.01 U	0.038	0.011
5A-00145	30099	Cd-113m	-5.3 U	25	7.6	30392	Cd-113m	9 U	34	10
5A-00145	30099	Cm-243/244	0.00075 U	0.002	0.00076	30392	Cm-243/244	0 U	0.003	0.0011
5A-00145	30099	Cm-245/246	0.0014 U	0.0019	0.001	30392	Cm-245/246	0.0022 U	0.003	0.0016
5A-00145	30099	Cm-247/248	0.0007 U	0.0051	0.0012	30392	Cm-247/248	0 U	0.01	0.0022
5A-00145	30099	Co-60	0.0012 U	0.012	0.0024	30392	Co-60	-0.0007 U	0.015	0.0013
5A-00145	30099	Cs-134	0.0023 U	0.029	0.0017	30392	Cs-134	0.0124 U	0.043	0.0036
5A-00145	30099	Cs-137	0.0211	0.0084	0.0041	30392	Cs-137	0.0239	0.01	0.0047
5A-00145	30099	Eu-152	0.0037 U	0.024	0.0024	30392	Eu-152	0.0156	0.024	0.0074
5A-00145	30099	Eu-154	-0.033 U	0.062	0.019	30392	Eu-154	0.0079 U	0.059	0.0044
5A-00145	30099	Eu-155	0.066 SK	0.027	0.011	30392	Eu-155	0.062 SK	0.031	0.013

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00145	30099	Ho-166m	-0.0003 U	0.016	0.0049	30392	Ho-166m	0.0045 U	0.02	0.0052
5A-00145	30099	K-40	20	0.1	1	30392	K-40	21.9	0.1	1.1
5A-00145	30099	Na-22	-0.001 U	0.015	0.0046	30392	Na-22	0.0025 U	0.02	0.0059
5A-00145	30099	Nb-94	0.0034 U	0.0085	0.0026	30392	Nb-94	0.0017 U	0.011	0.001
5A-00145	30099	Ni-59	0 U	0.14	0.035	30392	Ni-59	0 U L	0.18	0.049
5A-00145	30099	Ni-63	0.02 U	0.59	0.18	30392	Ni-63	0.1 U	0.55	0.17
5A-00145	30099	Np-236	-0.0057 U	0.021	0.0064	30392	Np-236	0.0022 U	0.026	0.0079
5A-00145	30099	Np-239	-0.016 U	0.065	0.02	30392	Np-239	-0.011 U	0.075	0.023
5A-00145	30099	Pa-231	-0.08 U	0.41	0.12	30392	Pa-231	0.13 U	0.49	0.15
5A-00145	30099	Pb-212	1.52	0.018	0.099	30392	Pb-212	1.62	0.02	0.11
5A-00145	30099	Pb-214	0.77	0.019	0.041	30392	Pb-214	0.865	0.021	0.047
5A-00145	30099	Pu-238	-0.0002 U	0.006	0.0011	30392	Pu-238	0.0024	0.0021	0.0014
5A-00145	30099	Pu-239/240	0.0011 U	0.0049	0.0013	30392	Pu-239/240	0.0023	0.0021	0.0014
5A-00145	30099	Pu-244	0.0011 U	0.0048	0.0013	30392	Pu-244	0.0016	0.0021	0.0011
5A-00145	30099	Sb-125	0.0938 SK	0.028	0.007	30392	Sb-125	0.115 SK	0.034	0.0092
5A-00145	30099	Sn-126	0.0016 U	0.0095	0.0029	30392	Sn-126	-0.0008 U	0.013	0.0037
5A-00145	30099	Sr-90	0.016 U	0.035	0.011	30392	Sr-90	0.023 U	0.045	0.014
5A-00145	30099	Tc-99	-0.005 U	0.26	0.08	30392	Tc-99	-0.09 U	0.35	0.1
5A-00145	30099	Th-228	1.35	0.038	0.078	30392	Th-228	1.3	0.016	0.065
5A-00145	30099	Th-229	0.0188	0.0032	0.0048	30392	Th-229	0.013	0.008	0.0041
5A-00145	30099	Th-230	0.989	0.018	0.061	30392	Th-230	1	0.003	0.053
5A-00145	30099	Th-232	1.36	0.018	0.077	30392	Th-232	1.33	0.003	0.067

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00145	30099	Tl-208	0.473	0.012	0.026	30392	Tl-208	0.502	0.014	0.027
5A-00145	30099	Tm-171	-2.6 U	4.1	1.3	30392	Tm-171	-1.9 U	5.2	1.6
5A-00145	30099	U-233/234	0.924	0.009	0.052	30392	U-233/234	0.865	0.011	0.048
5A-00145	30099	U-235/236	0.0572	0.0043	0.0098	30392	U-235/236	0.0357	0.0039	0.0073
5A-00145	30099	U-238	0.918	0.003	0.052	30392	U-238	0.96	0.003	0.052
5A-00136	30154	Ac-227	0.076	0.097	0.021	30407	Ac-227	0.046 U	0.15	0.049
5A-00136	30154	Ac-228	1.38	0.068	0.072	30407	Ac-228	1.5	0.083	0.078
5A-00136	30154	Am-241	0.0044	0.003	0.0022	30407	Am-241	0.0027	0.0024	0.0015
5A-00136	30154	Bi-212	1.11	0.11	0.085	30407	Bi-212	1.28	0.12	0.092
5A-00136	30154	Bi-214	0.794	0.022	0.043	30407	Bi-214	0.872	0.027	0.046
5A-00136	30154	C-14	-0.0006 U	0.022	0.0066	30407	C-14	0.0047 U	0.029	0.0087
5A-00136	30154	Cd-113m	8.1 U	28	8.3	30407	Cd-113m	6 U	41	12
5A-00136	30154	Cm-243/244	0 U	0.003	0.0011	30407	Cm-243/244	-0.00089 U	0.0066	0.00089
5A-00136	30154	Cm-245/246	0.0015 U	0.0041	0.0015	30407	Cm-245/246	-0.001 U	0.0075	0.001
5A-00136	30154	Cm-247/248	0.0006 U	0.0088	0.0017	30407	Cm-247/248	-0.001 U	0.0074	0.001
5A-00136	30154	Co-60	-0.0015 U	0.016	0.0048	30407	Co-60	0.003 U	0.019	0.0056
5A-00136	30154	Cs-134	0.0112 U	0.042	0.0031	30407	Cs-134	0.0094 U	0.052	0.0031
5A-00136	30154	Cs-137	-0.0029 U	0.014	0.0041	30407	Cs-137	0.0033 U	0.013	0.0039
5A-00136	30154	Eu-152	-0.014 U	0.034	0.01	30407	Eu-152	-0.0039 U	0.04	0.0058
5A-00136	30154	Eu-154	0.004 U	0.083	0.025	30407	Eu-154	-0.026 U	0.1	0.031
5A-00136	30154	Eu-155	0.089 SK	0.033	0.015	30407	Eu-155	0.094 SK	0.039	0.016
5A-00136	30154	Ho-166m	0.0126 JSK	0.02	0.0073	30407	Ho-166m	0.0055 U	0.027	0.0031

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00136	30154	K-40	22.3	0.2	1.1	30407	K-40	22.1	0.2	1.1
5A-00136	30154	Na-22	-0.0045 U	0.02	0.006	30407	Na-22	-0.005 U	0.025	0.0076
5A-00136	30154	Nb-94	0.0056 U	0.012	0.0035	30407	Nb-94	0.0024 U	0.015	0.0031
5A-00136	30154	Ni-59	0 U	0.18	0.063	30407	Ni-59	0 U	0.15	0.037
5A-00136	30154	Ni-63	0.11 U	0.56	0.17	30407	Ni-63	-0.3 U	0.64	0.19
5A-00136	30154	Np-236	-0.0044 U	0.028	0.0085	30407	Np-236	0.0085 U	0.029	0.0089
5A-00136	30154	Np-239	0.004 U	0.072	0.022	30407	Np-239	0.024 U	0.087	0.026
5A-00136	30154	Pa-231	-0.007 U	0.53	0.16	30407	Pa-231	0.36	0.46	0.16
5A-00136	30154	Pb-212	1.84	0.02	0.12	30407	Pb-212	1.82	0.026	0.089
5A-00136	30154	Pb-214	0.933	0.023	0.05	30407	Pb-214	0.925	0.028	0.054
5A-00136	30154	Sb-125	0.142 SK	0.037	0.011	30407	Sb-125	0.12 SK	0.039	0.011
5A-00136	30154	Sn-126	-0.0018 U	0.011	0.0033	30407	Sn-126	-0.0041 U	0.016	0.0048
5A-00136	30154	Sr-90	0.01 U	0.034	0.01	30407	Sr-90	0.014 U	0.033	0.0099
5A-00136	30154	Tc-99	-0.046 U	0.3	0.092	30407	Tc-99	0.024 U	0.29	0.086
5A-00136	30154	Th-228	1.39	0.015	0.068	30407	Th-228	1.31	0.022	0.067
5A-00136	30154	Th-229	0.0106	0.0029	0.0034	30407	Th-229	0.0136	0.011	0.005
5A-00136	30154	Th-230	0.961	0.002	0.05	30407	Th-230	0.895	0.015	0.049
5A-00136	30154	Th-232	1.4	0.009	0.069	30407	Th-232	1.27	0.008	0.066
5A-00136	30154	Tl-208	0.525	0.017	0.029	30407	Tl-208	0.583	0.019	0.031
5A-00136	30154	Tm-171	-5.7 U J	4.9	1.5	30407	Tm-171	-1.4 U	6.8	2
5A-00136	30154	U-233/234	0.466	0.007	0.026	30407	U-233/234	1.06 J	0.006	0.067
5A-00136	30154	U-235/236	0.0226	0.0057	0.0044	30407	U-235/236	0.067 J	0.008	0.014

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00136	30154	U-238	0.45	0.002	0.025	30407	U-238	1.09 J	0.006	0.068
5A-00085	30182	Ac-227	0.046 U	0.11	0.056	30411	Ac-227	0.032 U	0.12	0.033
5A-00085	30182	Ac-228	1.53	0.078	0.078	30411	Ac-228	1.5	0.064	0.077
5A-00085	30182	Am-241	0.00167	0.0015	0.00097	30411	Am-241	0.0074	0.0018	0.0023
5A-00085	30182	Bi-212	1.35	0.14	0.1	30411	Bi-212	1.18	0.12	0.092
5A-00085	30182	Bi-214	0.889	0.027	0.047	30411	Bi-214	0.983	0.021	0.053
5A-00085	30182	Cd-113m	6 U	41	12	30411	Cd-113m	10 U	33	10
5A-00085	30182	Cm-243/244	0.00112 U	0.0015	0.00079	30411	Cm-243/244	0.00068 U	0.0018	0.00068
5A-00085	30182	Cm-245/246	0 U	0.0057	0.0013	30411	Cm-245/246	0.0038	0.0051	0.0027
5A-00085	30182	Cm-247/248	0 U	0.0056	0.0012	30411	Cm-247/248	-0.0011 U	0.011	0.0011
5A-00085	30182	Co-60	0.00011 U	0.017	0.00023	30411	Co-60	-0.0032 U	0.016	0.0047
5A-00085	30182	Cs-134	0.0168 U J	0.048	0.0051	30411	Cs-134	0.0134 U J	0.041	0.0029
5A-00085	30182	Cs-137	0.0039 U	0.017	0.005	30411	Cs-137	0.0244	0.01	0.0047
5A-00085	30182	Eu-155	0.053 SK	0.034	0.011	30411	Eu-155	0.092 SK	0.03	0.013
5A-00085	30182	Ho-166m	0.0364 SK	0.024	0.0052	30411	Ho-166m	0.0055 U	0.02	0.0042
5A-00085	30182	K-40	19.9	0.15	0.98	30411	K-40	20	0.1	1
5A-00085	30182	Na-22	0.0085 U J	0.021	0.0064	30411	Na-22	0 U J	0.02	0.006
5A-00085	30182	Nb-94	0.0051 U	0.013	0.0041	30411	Nb-94	0.0045 U	0.012	0.0036
5A-00085	30182	Np-236	0.0041 U	0.028	0.0084	30411	Np-236	-0.0058 U	0.028	0.0084
5A-00085	30182	Np-239	-0.027 U	0.081	0.024	30411	Np-239	-0.022 U	0.079	0.024
5A-00085	30182	Pa-231	-0.13 U	0.59	0.18	30411	Pa-231	-0.1 U	0.45	0.14
5A-00085	30182	Pb-212	1.81	0.024	0.089	30411	Pb-212	1.92	0.02	0.13

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00085	30182	Pb-214	0.966	0.028	0.056	30411	Pb-214	1.13	0.024	0.06
5A-00085	30182	Pu-238	0.0016	0.004	0.0012	30411	Pu-238	0.0032	0.0043	0.0017
5A-00085	30182	Pu-239/240	0.00135	0.0018	0.00095	30411	Pu-239/240	0.0029	0.002	0.0014
5A-00085	30182	Pu-244	0.00067 U	0.0018	0.00067	30411	Pu-244	0 U	0.0019	0.00043
5A-00085	30182	Sb-125	0.136 JSK	0.042	0.011	30411	Sb-125	0.196 JSK	0.035	0.017
5A-00085	30182	Sn-126	0.0045 U	0.016	0.0048	30411	Sn-126	0.0028 U	0.013	0.004
5A-00085	30182	Sr-90	0.021	0.036	0.011	30411	Sr-90	0.012 U	0.044	0.013
5A-00085	30182	Th-228	1.55	0.012	0.074	30411	Th-228	1.64	0.015	0.078
5A-00085	30182	Th-229	0.0201	0.0093	0.005	30411	Th-229	0.024	0.0077	0.0053
5A-00085	30182	Th-230	1.15	0.002	0.057	30411	Th-230	1.21	0.008	0.06
5A-00085	30182	Th-232	1.43	0.006	0.069	30411	Th-232	1.52	0.008	0.073
5A-00085	30182	Tl-208	0.6	0.018	0.032	30411	Tl-208	0.584	0.015	0.032
5A-00085	30182	Tm-171	-2.8 U J	6.1	1.9	30411	Tm-171	-0.6 U J	5	22
5A-00085	30182	U-233/234	1.18	0.006	0.059	30411	U-233/234	1.04	0.011	0.055
5A-00085	30182	U-235/236	0.0488	0.0029	0.0075	30411	U-235/236	0.0522	0.0035	0.0085
5A-00085	30182	U-238	1.21	0.002	0.06	30411	U-238	1.09	0.003	0.057
5A-00255	30203	Ac-227	0.043 U	0.13	0.013	30410	Ac-227	0.05 U	0.14	0.049
5A-00255	30203	Ac-228	1.15	0.075	0.06	30410	Ac-228	1.15	0.081	0.06
5A-00255	30203	Am-241	0.0013 U	0.0048	0.0013	30410	Am-241	0.0018 U	0.0025	0.0013
5A-00255	30203	Am-243	0 U	0.0041	0.00091	30410	Am-243	0.0014 U	0.0039	0.0015
5A-00255	30203	Bi-212	0.958	0.13	0.082	30410	Bi-212	0.975	0.15	0.094
5A-00255	30203	Bi-214	0.662	0.023	0.036	30410	Bi-214	0.758	0.027	0.041

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00255	30203	Cd-113m	8 U	34	10	30410	Cd-113m	7 U	40	12
5A-00255	30203	Cm-243/244	0 U	0.0048	0.00093	30410	Cm-243/244	0.0009 U	0.0067	0.0016
5A-00255	30203	Cm-245/246	0 U	0.0042	0.00093	30410	Cm-245/246	-0.0012 U	0.012	0.0021
5A-00255	30203	Cm-247/248	-0.00091 U	0.009	0.00091	30410	Cm-247/248	-0.00087 U	0.0086	0.00087
5A-00255	30203	Co-60	0.0023 U	0.018	0.0029	30410	Co-60	0.0016 U	0.019	0.0036
5A-00255	30203	Cs-134	0.0156 JSK	0.015	0.0046	30410	Cs-134	-0.0018 U J	0.016	0.0022
5A-00255	30203	Cs-137	0.0028 U	0.014	0.0042	30410	Cs-137	0.0024 U	0.017	0.0058
5A-00255	30203	Eu-152	0.0053 U	0.036	0.004	30410	Eu-152	0.0073 U	0.039	0.0086
5A-00255	30203	Eu-154	0.0052 U	0.099	0.0052	30410	Eu-154	-0.033 U	0.1	0.031
5A-00255	30203	Ho-166m	0.0048 U	0.024	0.0059	30410	Ho-166m	0.0051 U	0.025	0.0059
5A-00255	30203	K-40	20.3	0.16	0.997	30410	K-40	19.2	0.15	0.95
5A-00255	30203	Na-22	-0.0005 U	0.024	0.0072	30410	Na-22	-0.0051 U J	0.024	0.0073
5A-00255	30203	Nb-94	0.0019 U	0.013	0.0019	30410	Nb-94	0.007 JSK	0.014	0.0043
5A-00255	30203	Np-236	0.0072 U	0.029	0.0089	30410	Np-236	-0.00007 U	0.026	0.0078
5A-00255	30203	Np-239	-0.013 U	0.08	0.024	30410	Np-239	0.018 U	0.085	0.026
5A-00255	30203	Pa-231	0.23 U	0.52	0.12	30410	Pa-231	-0.005 U	0.56	0.17
5A-00255	30203	Pb-212	1.34	0.023	0.066	30410	Pb-212	1.53	0.023	0.086
5A-00255	30203	Pb-214	0.748	0.025	0.044	30410	Pb-214	0.839	0.026	0.044
5A-00255	30203	Pu-238	-0.00043 U	0.0043	0.00043	30410	Pu-238	0.0015 U	0.006	0.0016
5A-00255	30203	Pu-239/240	0.0014	0.0019	0.001	30410	Pu-239/240	0.0025	0.0022	0.0014
5A-00255	30203	Pu-244	0.00029 U	0.0043	0.00084	30410	Pu-244	0.002	0.0048	0.0015
5A-00255	30203	Sb-125	0.11 JSK	0.04	0.01	30410	Sb-125	0.132 SK	0.043	0.012

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00255	30203	Sn-126	0.003 U	0.015	0.0046	30410	Sn-126	0.0003 U	0.016	0.0049
5A-00255	30203	Sr-90	0.003 U	0.037	0.011	30410	Sr-90	-0.017 U	0.043	0.012
5A-00255	30203	Th-228	1.29	0.012	0.063	30410	Th-228	1.3	0.012	0.064
5A-00255	30203	Th-229	0.0089	0.0073	0.0033	30410	Th-229	0.0066	0.0081	0.0031
5A-00255	30203	Th-230	1.04	0.002	0.052	30410	Th-230	0.998	0.007	0.051
5A-00255	30203	Th-232	1.24	0.002	0.061	30410	Th-232	1.3	0.002	0.064
5A-00255	30203	Tl-208	0.476	0.018	0.026	30410	Tl-208	0.462	0.017	0.025
5A-00255	30203	Tm-171	-2.3 U J	5.7	1.7	30410	Tm-171	0.4 U	3.8	1.1
5A-00255	30203	U-233/234	0.814	0.003	0.044	30410	U-233/234	0.815	0.008	0.045
5A-00255	30203	U-235/236	0.0233	0.011	0.006	30410	U-235/236	0.0437	0.0095	0.0079
5A-00255	30203	U-238	0.772	0.003	0.043	30410	U-238	0.831	0.003	0.046
5A-00257	30206	Ac-227	0.145 J	0.14	0.0532	30395	Ac-227	0.039 U J	0.13	0.038
5A-00257	30206	Am-241	0.00349 U	0.0128	0.00349	30395	Am-241	0.0014 U	0.011	0.0025
5A-00257	30206	Am-243	0.0104	0.0244	0.00738	30395	Am-243	0 U	0.0027	0.00098
5A-00257	30206	Cd-113m	-31.8 U	91.9	31	30395	Cd-113m	-0.7 U	36	11
5A-00257	30206	Cm-243/244	0.0089	0.00482	0.00402	30395	Cm-243/244	0.0044	0.0039	0.0025
5A-00257	30206	Co-60	0.00304 U	0.013	0.00388	30395	Co-60	0.0004 U	0.016	0.0046
5A-00257	30206	Cs-134	0.00794 JSK	0.012	0.00448	30395	Cs-134	0.0169 U J	0.047	0.0068
5A-00257	30206	Cs-137	0.00247 U	0.0122	0.00427	30395	Cs-137	0.0155	0.01	0.0047
5A-00257	30206	Eu-154	0.0123 U	0.0662	0.0225	30395	Eu-154	0.003 U J	0.075	0.014
5A-00257	30206	Eu-155	0.0634 SK	0.051	0.0186	30395	Eu-155	0.077 SK	0.033	0.014
5A-00257	30206	Ho-166m	-0.00265 U	0.0176	0.00543	30395	Ho-166m	0.0073 U	0.021	0.0031



**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00257	30206	K-40	20.6	0.0848	1.25	30395	K-40	22.5	0.1	1.1
5A-00257	30206	Na-22	-0.00441 U	0.0156	0.00482	30395	Na-22	-0.0018 U	0.021	0.0063
5A-00257	30206	Nb-94	0.00521 U	0.0107	0.00341	30395	Nb-94	0.0038 U	0.012	0.0036
5A-00257	30206	Np-236	-0.0082 U	0.0261	0.00891	30395	Np-236	-0.0079 U	0.028	0.0085
5A-00257	30206	Pb-212	1.45	0.0269	0.0886	30395	Pb-212	1.57	0.03	0.1
5A-00257	30206	Pb-214	0.874	0.0236	0.0415	30395	Pb-214	0.943	0.023	0.051
5A-00257	30206	Pu-236	-0.00765 U	0.0355	0.00663	30395	Pu-236	0.00088 U	0.0024	0.00088
5A-00257	30206	Pu-238	-0.00998 U	0.04	0.00744	30395	Pu-238	0.0022	0.002	0.0013
5A-00257	30206	Pu-239/240	-0.0132 U	0.0467	0.00937	30395	Pu-239/240	-0.00044 U	0.0044	0.00044
5A-00257	30206	Pu-244	0.00662 U	0.0244	0.00664	30395	Pu-244	0.0022	0.002	0.0013
5A-00257	30206	Sb-125	0.0146 U	0.034	0.0106	30395	Sb-125	0.143 SK	0.036	0.012
5A-00257	30206	Sn-126	-0.00101 U	0.0118	0.00361	30395	Sn-126	-0.0021 U	0.013	0.0041
5A-00257	30206	Sr-90	0.137	0.197	0.0637	30395	Sr-90	0.004 U	0.037	0.011
5A-00257	30206	Th-228	1.36	0.0903	0.129	30395	Th-228	1.28	0.008	0.063
5A-00257	30206	Th-229	0.00606 U	0.0728	0.0182	30395	Th-229	0.0075	0.0061	0.0028
5A-00257	30206	Th-230	0.858	0.0445	0.0875	30395	Th-230	0.979	0.006	0.05
5A-00257	30206	Th-232	1.13	0.0444	0.105	30395	Th-232	1.26	0.002	0.062
5A-00257	30206	Tl-208	0.447	0.0131	0.0245	30395	Tl-208	0.509	0.017	0.028
5A-00257	30206	Tm-171	-11.2 U J	10.2	4.47	30395	Tm-171	-4.4 U J	4.8	1.5
5A-00257	30206	U-233/234	0.826	0.0462	0.0821	30395	U-233/234	0.758	0.006	0.041
5A-00257	30206	U-235/236	0.0666	0.0129	0.0184	30395	U-235/236	0.0334	0.0077	0.0062
5A-00257	30206	U-238	0.854	0.0358	0.0839	30395	U-238	0.783	0.006	0.042

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00186	30225	Ac-227	0.029 U	0.15	0.055	30412	Ac-227	0.035 U	0.14	0.037
5A-00186	30225	Ac-228	1.2	0.089	0.063	30412	Ac-228	1.16	0.084	0.061
5A-00186	30225	Am-241	0.004	0.0027	0.002	30412	Am-241	0.0013 U	0.0034	0.0013
5A-00186	30225	Bi-212	1.08	0.14	0.095	30412	Bi-212	1.03	0.14	0.088
5A-00186	30225	Bi-214	0.931	0.029	0.05	30412	Bi-214	0.851	0.026	0.045
5A-00186	30225	Cd-113m	0.07 U	43	13	30412	Cd-113m	21	32	12
5A-00186	30225	Cm-243/244	0 U	0.0073	0.0014	30412	Cm-243/244	0.0013 U	0.0034	0.0013
5A-00186	30225	Cm-245/246	0.002 U	0.0084	0.0022	30412	Cm-245/246	0.0018 U	0.0025	0.0013
5A-00186	30225	Cm-247/248	0.0014 U	0.0037	0.0014	30412	Cm-247/248	0.00089 U	0.0024	0.00089
5A-00186	30225	Co-60	0.0044 U	0.02	0.0059	30412	Co-60	0.0021 U	0.02	0.0059
5A-00186	30225	Cs-134	0.0137 U J	0.055	0.0079	30412	Cs-134	0.0137 JSK	0.014	0.0055
5A-00186	30225	Cs-137	-0.0073 U	0.017	0.0053	30412	Cs-137	0.0103	0.019	0.0072
5A-00186	30225	Eu-152	0.002 U	0.04	0.015	30412	Eu-152	-0.01 U	0.038	0.011
5A-00186	30225	Eu-154	-0.032 U	0.11	0.034	30412	Eu-154	0.032 U	0.11	0.026
5A-00186	30225	Eu-155	0.07 SK	0.034	0.014	30412	Eu-155	0.054 SK	0.039	0.012
5A-00186	30225	Ho-166m	0.011 U	0.024	0.01	30412	Ho-166m	0.0051 U	0.026	0.0044
5A-00186	30225	K-40	21.6	0.1	1.1	30412	K-40	20.7	0.1	1
5A-00186	30225	Na-22	-0.0072 U J	0.027	0.0082	30412	Na-22	-0.0068 U J	0.026	0.0079
5A-00186	30225	Nb-94	0.005 U J	0.015	0.0045	30412	Nb-94	0.0035 U J	0.015	0.0033
5A-00186	30225	Np-236	-0.0031 U	0.032	0.0096	30412	Np-236	-0.0001 U	0.03	0.0089
5A-00186	30225	Np-239	-0.02 U	0.09	0.027	30412	Np-239	0.0007 U	0.068	0.02
5A-00186	30225	Pa-231	0.14 U	0.6	0.18	30412	Pa-231	0.01 U	0.59	0.18

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00186	30225	Pb-212	1.52	0.024	0.086	30412	Pb-212	1.51	0.023	0.085
5A-00186	30225	Pb-214	1.03	0.028	0.054	30412	Pb-214	0.949	0.027	0.049
5A-00186	30225	Pu-236	-0.00119 U	0.0072	0.00084	30412	Pu-236	-0.00124 U	0.0075	0.00088
5A-00186	30225	Pu-238	0.0036	0.0071	0.0023	30412	Pu-238	0.0013 U	0.0053	0.0014
5A-00186	30225	Pu-239/240	0.0017	0.0023	0.0012	30412	Pu-239/240	0.0004 U	0.0053	0.001
5A-00186	30225	Pu-244	0.0017	0.0023	0.0012	30412	Pu-244	0.0018	0.0024	0.0013
5A-00186	30225	Sb-125	0.103 SK	0.043	0.0097	30412	Sb-125	0.045 SK	0.038	0.019
5A-00186	30225	Sn-126	0.0011 U	0.016	0.0047	30412	Sn-126	0.0008 U	0.017	0.0049
5A-00186	30225	Sr-90	0.049	0.05	0.016	30412	Sr-90	-0.032 L U	0.057	0.015
5A-00186	30225	Th-228	1.19	0.03	0.067	30412	Th-228	1.15	0.011	0.057
5A-00186	30225	Th-229	0.0038 U	0.014	0.0039	30412	Th-229	0.0044	0.003	0.0022
5A-00186	30225	Th-230	0.991	0.015	0.058	30412	Th-230	0.927	0.006	0.048
5A-00186	30225	Th-232	1.14	0.004	0.065	30412	Th-232	1.2	0.006	0.06
5A-00186	30225	Tl-208	0.455	0.019	0.025	30412	Tl-208	0.459	0.019	0.025
5A-00186	30225	Tm-171	0.02 U	4.8	1.4	30412	Tm-171	-0.2 U	5.7	1.7
5A-00186	30225	U-233/234	0.761	0.003	0.044	30412	U-233/234	0.81	0.015	0.047
5A-00186	30225	U-235/236	0.0341	0.004	0.0073	30412	U-235/236	0.043	0.011	0.0086
5A-00186	30225	U-238	0.752	0.009	0.044	30412	U-238	0.792	0.009	0.046
5A-00240	30278	Ac-227	0.056 U	0.12	0.015	30409	Ac-227	0.03 U	0.12	0.034
5A-00240	30278	Ac-228	1.16	0.064	0.06	30409	Ac-228	1.08	0.071	0.068
5A-00240	30278	Am-241	0.0049	0.0072	0.0026	30409	Am-241	0.00075 U	0.002	0.00075
5A-00240	30278	Bi-212	0.978	0.12	0.087	30409	Bi-212	1.09	0.1	0.084

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00240	30278	Bi-214	0.922	0.021	0.05	30409	Bi-214	0.805	0.02	0.044
5A-00240	30278	Cd-113m	-0.01 U	29	8.6	30409	Cd-113m	0.07 U	33	10
5A-00240	30278	Cm-243/244	-0.001 U	0.0091	0.0017	30409	Cm-243/244	-0.0015 U	0.007	0.0011
5A-00240	30278	Cm-245/246	0.002 U	0.0028	0.0014	30409	Cm-245/246	0.0025 U	0.0091	0.0025
5A-00240	30278	Cm-247/248	0 U	0.0073	0.0014	30409	Cm-247/248	0 U	0.0089	0.0017
5A-00240	30278	Co-60	-0.0033 U	0.015	0.0045	30409	Co-60	-0.0051 U	0.014	0.0043
5A-00240	30278	Cs-134	0.0144 U	0.047	0.0051	30409	Cs-134	0.0158 U	0.038	0.0047
5A-00240	30278	Cs-137	0.00003 U	0.012	0.0034	30409	Cs-137	-0.0086 U J	0.013	0.004
5A-00240	30278	Eu-154	0.012 U	0.081	0.013	30409	Eu-154	-0.032 U	0.08	0.024
5A-00240	30278	Eu-155	0.069 SK	0.028	0.012	30409	Eu-155	0.08 SK	0.03	0.013
5A-00240	30278	K-40	20	0.1	1	30409	K-40	20.5	0.2	1
5A-00240	30278	Na-22	-0.0029 U	0.019	0.0058	30409	Na-22	0.0033 U	0.012	0.0036
5A-00240	30278	Nb-94	0.014 SK	0.0089	0.0043	30409	Nb-94	0.0048 U	0.011	0.0032
5A-00240	30278	Np-236	0.0049 U	0.026	0.0078	30409	Np-236	-0.0007 U	0.027	0.0082
5A-00240	30278	Np-239	0.015 U	0.06	0.018	30409	Np-239	0.004 U	0.066	0.02
5A-00240	30278	Pa-231	0.05 U	0.49	0.15	30409	Pa-231	0.008 U	0.48	0.14
5A-00240	30278	Pb-212	1.5	0.02	0.098	30409	Pb-212	1.51	0.02	0.099
5A-00240	30278	Pb-214	1.04	0.024	0.056	30409	Pb-214	0.902	0.023	0.049
5A-00240	30278	Pu-238	0.0053	0.002	0.002	30409	Pu-238	0.0002 U	0.0064	0.0013
5A-00240	30278	Pu-239/240	0 U	0.002	0.00045	30409	Pu-239/240	0 U	0.0021	0.00046
5A-00240	30278	Pu-244	0.0053	0.002	0.002	30409	Pu-244	0.003	0.0021	0.0015
5A-00240	30278	Sb-125	0.123 JSK	0.034	0.011	30409	Sb-125	0.133 SK	0.031	0.011

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00240	30278	Sn-126	0.0031 U	0.0098	0.003	30409	Sn-126	0.0003 U	0.012	0.0034
5A-00240	30278	Sr-90	0.045	0.038	0.012	30409	Sr-90	-0.005 U	0.046	0.013
5A-00240	30278	Th-228	1.37	0.018	0.068	30409	Th-228	1.25	0.014	0.063
5A-00240	30278	Th-229	0.0067	0.01	0.0035	30409	Th-229	0.0103	0.0095	0.0041
5A-00240	30278	Th-230	1.12	0.009	0.057	30409	Th-230	1.03	0.009	0.053
5A-00240	30278	Th-232	1.3	0.009	0.065	30409	Th-232	1.27	0.009	0.064
5A-00240	30278	Tl-208	0.445	0.014	0.025	30409	Tl-208	0.452	0.015	0.025
5A-00240	30278	Tm-171	-2.3 U	5.5	1.7	30409	Tm-171	-0.07 U J	5.5	1.6
5A-00240	30278	U-233/234	0.925	0.01	0.052	30409	U-233/234	0.776	0.007	0.043
5A-00240	30278	U-235/236	0.0412	0.0045	0.0084	30409	U-235/236	0.0208	0.0033	0.0051
5A-00240	30278	U-238	0.908	0.004	0.052	30409	U-238	0.798	0.003	0.044
5A-00020	30279	Ac-227	-0.0766 U	0.136	0.045	30377	Ac-227	-0.0136 U	0.164	0.0494
5A-00020	30279	Ac-228	1.17	0.0713	0.0545	30377	Ac-228	1.32	0.0801	0.0639
5A-00020	30279	Am-241	0.00322 U	0.0149	0.00394	30377	Am-241	0.00704	0.0169	0.00509
5A-00020	30279	Cd-113m	-23.3 U J	91	28.9	30377	Cd-113m	-82 U J	110	40.7
5A-00020	30279	Cm-243/244	0.00493	0.00445	0.00286	30377	Cm-243/244	0.00288	0.0039	0.00204
5A-00020	30279	Eu-154	-0.0533 U J	0.0718	0.0256	30377	Eu-154	0.038 U	0.0843	0.0264
5A-00020	30279	Eu-155	0.0675 SK	0.0504	0.0182	30377	Eu-155	0.0615 SK	0.0622	0.0221
5A-00020	30279	Ho-166m	0.00107 U	0.0181	0.0053	30377	Ho-166m	0.00981 U	0.0211	0.00656
5A-00020	30279	K-40	24.8	0.0866	1.4	30377	K-40	25.7	0.0975	1.67
5A-00020	30279	Na-22	-0.00921 U	0.0163	0.00606	30377	Na-22	-0.0101 U	0.0185	0.00603
5A-00020	30279	Nb-94	0.00882 JSK	0.0109	0.00372	30377	Nb-94	0.00886 JSK	0.0121	0.00407

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00020	30279	Np-236	-0.00779 U	0.0257	0.00777	30377	Np-236	-0.0188 U	0.0314	0.0116
5A-00020	30279	Pa-231	-0.0333 U	0.565	0.176	30377	Pa-231	0.0218 U	0.67	0.233
5A-00020	30279	Pu-236	-0.00287 U	0.0202	0.00453	30377	Pu-236	-0.00196 U	0.0257	0.00589
5A-00020	30279	Pu-238	0.00372 U	0.0186	0.00512	30377	Pu-238	-0.00169 U	0.0157	0.00292
5A-00020	30279	Pu-239/240	0.00618	0.0115	0.00372	30377	Pu-239/240	0.00503 U	0.0181	0.00504
5A-00020	30279	Pu-244	0.00494	0.00335	0.00248	30377	Pu-244	0.0101	0.0123	0.00477
5A-00020	30279	Sn-126	0.00886 J	0.012	0.004	30377	Sn-126	0.00103 U	0.0133	0.00392
5A-00020	30279	Sr-90	0.0716 K	0.0995	0.0329	30377	Sr-90	0.0485 U K	0.122	0.0368
5A-00020	30279	Th-228	1.31	0.0898	0.131	30377	Th-228	1.45	0.132	0.142
5A-00020	30279	Th-229	0.0729	0.0179	0.0224	30377	Th-229	0 U	0.0865	0.0209
5A-00020	30279	Th-230	0.971	0.0614	0.0987	30377	Th-230	0.987	0.0708	0.1
5A-00020	30279	Th-232	1.15	0.0179	0.11	30377	Th-232	1.19	0.0609	0.113
5A-00020	30279	Tl-208	0.464	0.0138	0.0259	30377	Tl-208	0.497	0.0147	0.0276
5A-00020	30279	Tm-171	1.58 U	10.1	3.54	30377	Tm-171	-1.94 U	15.2	5.78
5A-00020	30279	U-233/234	0.82	0.0346	0.0903	30377	U-233/234	0.91	0.0535	0.0973
5A-00020	30279	U-235/236	0.0258	0.0608	0.0186	30377	U-235/236	0.0462	0.0179	0.0178
5A-00020	30279	U-238	0.948	0.0346	0.1	30377	U-238	1.04	0.0421	0.107
5A-00021	30282	Ac-227	0.066	0.12	0.024	30386	Ac-227	0.114	0.087	0.02
5A-00021	30282	Ac-228	1.34	0.099	0.071	30386	Ac-228	1.35	0.082	0.071
5A-00021	30282	Am-241	0.0011 U	0.003	0.0011	30386	Am-241	0.002 U	0.011	0.0028
5A-00021	30282	Bi-212	1.34	0.15	0.11	30386	Bi-212	1.16	0.11	0.087
5A-00021	30282	Bi-214	0.984	0.027	0.052	30386	Bi-214	0.727	0.021	0.04

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00021	30282	Cd-113m	0 U	42	9.5	30386	Cd-113m	-0.7 U	35	10
5A-00021	30282	Cm-243/244	0 U	0.003	0.0011	30386	Cm-243/244	-0.001 U	0.011	0.0023
5A-00021	30282	Cm-245/246	-0.0012 U	0.011	0.0021	30386	Cm-245/246	0.003 U	0.013	0.0033
5A-00021	30282	Cm-247/248	0.0012 U	0.0032	0.0012	30386	Cm-247/248	0.0008 U	0.012	0.0025
5A-00021	30282	Co-60	0.0044 U	0.018	0.0043	30386	Co-60	0.0014 U	0.014	0.0043
5A-00021	30282	Cs-134	0.0181 U J	0.059	0.0059	30386	Cs-134	0.0153 U	0.037	0.0037
5A-00021	30282	Cs-137	-0.0007 U	0.016	0.0048	30386	Cs-137	-0.0033 U	0.013	0.0039
5A-00021	30282	Eu-152	0.0186 U	0.039	0.008	30386	Eu-152	-0.0109 U	0.028	0.0086
5A-00021	30282	Eu-154	-0.002 U	0.1	0.031	30386	Eu-154	-0.023 U	0.079	0.024
5A-00021	30282	Eu-155	0.083 SK	0.039	0.017	30386	Eu-155	0.084 SK	0.03	0.013
5A-00021	30282	Ho-166m	0.0156 SK	0.026	0.0083	30386	Ho-166m	0.0125 JSK	0.019	0.008
5A-00021	30282	K-40	19.6	0.16	0.97	30386	K-40	18.8	0.15	0.96
5A-00021	30282	Na-22	-0.0002 U	0.025	0.0075	30386	Na-22	-0.0004 U	0.018	0.0054
5A-00021	30282	Nb-94	-0.0002 U	0.014	0.0042	30386	Nb-94	0.0023 U	0.0079	0.0017
5A-00021	30282	Np-236	-0.0039 U	0.033	0.0099	30386	Np-236	-0.003 U	0.027	0.0082
5A-00021	30282	Np-239	-0.01 U	0.089	0.027	30386	Np-239	0.023 U	0.077	0.023
5A-00021	30282	Pa-231	0.13 U	0.58	0.18	30386	Pa-231	0.02 U	0.5	0.15
5A-00021	30282	Pb-212	1.73	0.027	0.085	30386	Pb-212	1.86	0.02	0.12
5A-00021	30282	Pb-214	1.05	0.027	0.06	30386	Pb-214	0.876	0.023	0.048
5A-00021	30282	Pu-238	0.0002 U	0.007	0.0015	30386	Pu-238	0.0037	0.0049	0.0018
5A-00021	30282	Pu-239/240	0.0012 U	0.005	0.0013	30386	Pu-239/240	0.0021	0.0014	0.0011
5A-00021	30282	Pu-244	0.00084 U	0.0023	0.00084	30386	Pu-244	0 U	0.0014	0.00053

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00021	30282	Sb-125	0.156 SK	0.036	0.013	30386	Sb-125	0.121 SK	0.034	0.0098
5A-00021	30282	Sn-126	-0.0031 U	0.017	0.005	30386	Sn-126	-0.0008 U	0.012	0.0037
5A-00021	30282	Sr-90	-0.025 U	0.052	0.013	30386	Sr-90	0.019 U	0.046	0.014
5A-00021	30282	Th-228	1.9	0.07	0.11	30386	Th-228	1.91	0.024	0.095
5A-00021	30282	Th-229	0.0097	0.0081	0.0036	30386	Th-229	0.0013 U	0.01	0.0023
5A-00021	30282	Th-230	1.12	0.006	0.069	30386	Th-230	1.06	0.008	0.055
5A-00021	30282	Th-232	1.48	0.027	0.085	30386	Th-232	1.33	0.01	0.067
5A-00021	30282	Tl-208	0.588	0.019	0.031	30386	Tl-208	0.555	0.016	0.031
5A-00021	30282	Tm-171	-1.2 U	6.5	2	30386	Tm-171	3.9	4.9	1.9
5A-00021	30282	U-233/234	0.825	0.01	0.049	30386	U-233/234	1.04	0.011	0.056
5A-00021	30282	U-235/236	0.049	0.016	0.01	30386	U-235/236	0.048	0.013	0.0089
5A-00021	30282	U-238	0.852	0.004	0.05	30386	U-238	0.96	0.008	0.052
5A-00046	30328	Ac-227	-0.0417 U	0.171	0.0542	30398	Ac-227	0.0406 U	0.173	0.0518
5A-00046	30328	Ac-228	1.41	0.0896	0.0661	30398	Ac-228	1.48	0.0899	0.0703
5A-00046	30328	Am-241	-0.00298 U	0.016	0.00298	30398	Am-241	0.003 U	0.0139	0.00367
5A-00046	30328	Cd-113m	-49.2 U J	116	38.2	30398	Cd-113m	-40.4 U J	117	39.5
5A-00046	30328	Cm-243/244	-0.00152 U	0.0164	0.0034	30398	Cm-243/244	0.00306	0.00415	0.00217
5A-00046	30328	Eu-154	-0.0326 U	0.0896	0.0286	30398	Eu-154	-0.0341 U	0.0911	0.0284
5A-00046	30328	Eu-155	0.0809 SK	0.0663	0.0257	30398	Eu-155	0.112 SK	0.0631	0.0234
5A-00046	30328	Ho-166m	-0.00106 U	0.0233	0.00691	30398	Ho-166m	-0.00254 U	0.0233	0.00713
5A-00046	30328	K-40	26.6	0.117	1.64	30398	K-40	25.7	0.109	1.56
5A-00046	30328	Na-22	-0.00549 U	0.0212	0.00649	30398	Na-22	-0.00609 U	0.0208	0.00644



**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00046	30328	Nb-94	-0.00215 U	0.0128	0.00385	30398	Nb-94	-0.000251 U	0.0134	0.00407
5A-00046	30328	Pu-236	0 U	0.0396	0.0106	30398	Pu-236	-0.0099 U	0.0345	0.00767
5A-00046	30328	Pu-238	0.0015 U	0.0197	0.00499	30398	Pu-238	0.00343 U	0.0273	0.00729
5A-00046	30328	Pu-239/240	0.00599 U	0.0161	0.00475	30398	Pu-239/240	-0.00171 U	0.0205	0.00452
5A-00046	30328	Pu-244	0.00449	0.00406	0.0026	30398	Pu-244	0.0291 K	0.0159	0.00799
5A-00046	30328	Sn-126	-0.00793 U	0.0142	0.00467	30398	Sn-126	-0.00662 U	0.0147	0.0048
5A-00046	30328	Sr-90	0.0358 U	0.105	0.0311	30398	Sr-90	-0.0199 U K	0.0676	0.016
5A-00046	30328	Th-228	1.82	0.11	0.161	30398	Th-228	1.85	0.0217	0.162
5A-00046	30328	Th-229	0.0252 U	0.0678	0.02	30398	Th-229	0.0129 U	0.0693	0.0182
5A-00046	30328	Th-230	1.08	0.0584	0.104	30398	Th-230	1.05	0.0597	0.103
5A-00046	30328	Th-232	1.25	0.017	0.114	30398	Th-232	1.36	0.0174	0.122
5A-00046	30328	Tl-208	0.556	0.0164	0.0301	30398	Tl-208	0.579	0.0166	0.0319
5A-00046	30328	Tm-171	-12.6 U	18.9	7.07	30398	Tm-171	-7.9 U	13.2	5.31
5A-00046	30328	U-233/234	1.19	0.0582	0.117	30398	U-233/234	1.1	0.0342	0.111
5A-00046	30328	U-235/236	0.0572	0.0392	0.0204	30398	U-235/236	0.0749	0.0423	0.0241
5A-00046	30328	U-238	1.25	0.0318	0.121	30398	U-238	1.15	0.0486	0.116
5A-00059	30351	Ac-227	0.033 U	0.14	0.045	30380	Ac-227	-0.0184 U	0.127	0.0374
5A-00059	30351	Ac-228	1.11	0.088	0.039	30380	Ac-228	1.25	0.0634	0.0576
5A-00059	30351	Am-241	0.0019 U	0.0088	0.0024	30380	Am-241	0.00422	0.0104	0.00315
5A-00059	30351	Cd-113m	5 U	37	11	30380	Cd-113m	-1.27 U J	84.4	24.7
5A-00059	30351	Cm-243/244	0.0037	0.01	0.0031	30380	Cm-243/244	0.00288 U	0.0106	0.00288
5A-00059	30351	Eu-152	0.005 U	0.035	0.018	30380	Eu-152	0.00161 U	0.0306	0.0103

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00059	30351	Eu-154	-0.05 U	0.11	0.032	30380	Eu-154	-0.00545 U	0.0637	0.0219
5A-00059	30351	Ho-166m	0.0087 U	0.026	0.0066	30380	Ho-166m	0.00738 U	0.017	0.0054
5A-00059	30351	K-40	20.7	0.13	0.62	30380	K-40	23.5	0.0784	1.31
5A-00059	30351	Na-22	-0.00003 U	0.024	0.0071	30380	Na-22	-0.0031 U	0.0157	0.00482
5A-00059	30351	Nb-94	0.0098 SK	0.013	0.004	30380	Nb-94	0.00472 U	0.00969	0.00311
5A-00059	30351	Np-236	-0.0056 U	0.028	0.0085	30380	Np-236	-0.00301 U	0.0231	0.00705
5A-00059	30351	Pu-236	-0.0009 U	0.0054	0.0012	30380	Pu-236	0.00581 U	0.0209	0.00582
5A-00059	30351	Pu-238	0.0009 U	0.0048	0.0013	30380	Pu-238	0.00334 U	0.0123	0.00334
5A-00059	30351	Pu-239/240	0.0099	0.0033	0.0022	30380	Pu-239/240	0.0116	0.0122	0.00502
5A-00059	30351	Pu-244	0.00089 U	0.0012	0.00063	30380	Pu-244	0.0216 K	0.0045	0.0061
5A-00059	30351	Sn-126	0.0042 U	0.016	0.0047	30380	Sn-126	-0.00322 U	0.011	0.00349
5A-00059	30351	Sr-90	-0.006 U	0.067	0.019	30380	Sr-90	0.126 K	0.141	0.0483
5A-00059	30351	Th-228	1.23	0.012	0.062	30380	Th-228	1.26	0.105	0.126
5A-00059	30351	Th-229	0.0047	0.013	0.0038	30380	Th-229	-0.0191 U	0.0954	0.0211
5A-00059	30351	Th-230	0.973	0.007	0.05	30380	Th-230	0.786	0.0589	0.0849
5A-00059	30351	Th-232	1.14	0.006	0.058	30380	Th-232	1.12	0.0465	0.107
5A-00059	30351	Tl-208	0.45	0.017	0.017	30380	Tl-208	0.465	0.0125	0.0252
5A-00059	30351	Tm-171	2.8	5.2	1.6	30380	Tm-171	-1.77 U	9.36	3.16
5A-00032	30440	Ac-227	0.052 U	0.13	0.042	30414	Ac-227	0.05 U	0.11	0.038
5A-00032	30440	Ac-228	1.46	0.08	0.077	30414	Ac-228	1.09	0.062	0.064
5A-00032	30440	Am-241	0.0024	0.0058	0.0018	30414	Am-241	0.0008 U	0.0077	0.0019
5A-00032	30440	Bi-212	1.2	0.12	0.093	30414	Bi-212	0.921	0.091	0.068

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00032	30440	Bi-214	0.915	0.024	0.05	30414	Bi-214	0.808	0.02	0.042
5A-00032	30440	Cd-113m	-6 U	37	11	30414	Cd-113m	6.3 U	31	9.3
5A-00032	30440	Cm-243/244	0 U	0.0059	0.0011	30414	Cm-243/244	0.0017 U	0.0023	0.0012
5A-00032	30440	Cm-245/246	-0.0013 U	0.014	0.0024	30414	Cm-245/246	0 U	0.0026	0.00098
5A-00032	30440	Cm-247/248	0.0006 U	0.0095	0.0019	30414	Cm-247/248	0.0019 U	0.0071	0.0019
5A-00032	30440	Co-60	0.0007 U	0.016	0.0046	30414	Co-60	-0.0029 U	0.01	0.0031
5A-00032	30440	Cs-134	0.0128 U	0.039	0.0035	30414	Cs-134	0.0179 SK	0.0069	0.0025
5A-00032	30440	Cs-137	0.0167	0.0092	0.004	30414	Cs-137	0.0347	0.0085	0.0042
5A-00032	30440	Eu-152	-0.0161 U	0.031	0.0093	30414	Eu-152	0.0052 U	0.029	0.0034
5A-00032	30440	Eu-154	-0.033 U	0.084	0.025	30414	Eu-154	0.00552 U	0.066	0.00996
5A-00032	30440	Eu-155	0.113 SK	0.035	0.016	30414	Eu-155	0.063 SK	0.028	0.012
5A-00032	30440	Ho-166m	0.012 SK	0.016	0.0089	30414	Ho-166m	0.0115 JSK	0.018	0.0047
5A-00032	30440	K-40	21.1	0.2	1.1	30414	K-40	20.9	0.1	1
5A-00032	30440	Na-22	0.0053 U	0.017	0.0052	30414	Na-22	0.0022 U	0.016	0.0049
5A-00032	30440	Nb-94	0.0109 SK	0.0096	0.0044	30414	Nb-94	0.0044 U	0.01	0.003
5A-00032	30440	Np-236	0.0019 U	0.029	0.0088	30414	Np-236	0.0005 U	0.024	0.0073
5A-00032	30440	Pa-231	-0.12 U	0.53	0.16	30414	Pa-231	0.1 U	0.45	0.14
5A-00032	30440	Pb-212	1.94	0.02	0.13	30414	Pb-212	1.46	0.018	0.081
5A-00032	30440	Pb-214	1.03	0.023	0.055	30414	Pb-214	0.909	0.022	0.047
5A-00032	30440	Pu-238	0.0037	0.0057	0.002	30414	Pu-238	0.0018	0.0044	0.0014
5A-00032	30440	Pu-239/240	0.0015	0.0021	0.0011	30414	Pu-239/240	0.0018	0.0044	0.0014
5A-00032	30440	Pu-244	0 U	0.0021	0.00046	30414	Pu-244	0.0045	0.002	0.0018

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 5A, Round 1**

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5A-00032	30440	Sb-125	0.139 SK	0.032	0.011	30414	Sb-125	0.139 SK	0.029	0.011
5A-00032	30440	Sn-126	0.0002 U	0.013	0.0038	30414	Sn-126	0.002 U	0.011	0.0034
5A-00032	30440	Sr-90	0.001 U	0.041	0.012	30414	Sr-90	0.033	0.048	0.015
5A-00032	30440	Th-228	1.69	0.017	0.081	30414	Th-228	1.16	0.018	0.059
5A-00032	30440	Th-229	0.0067	0.0026	0.0026	30414	Th-229	0.0129	0.0068	0.0037
5A-00032	30440	Th-230	1.31	0.008	0.065	30414	Th-230	0.886	0.009	0.047
5A-00032	30440	Th-232	1.62	0.008	0.078	30414	Th-232	1.15	0.009	0.059
5A-00032	30440	Tl-208	0.568	0.015	0.031	30414	Tl-208	0.448 J	0.011	0.023
5A-00032	30440	Tm-171	-0.2 U	6	1.8	30414	Tm-171	-1.5 U J	4.9	1.5
5A-00032	30440	U-233/234	0.543	0.006	0.029	30414	U-233/234	0.608	0.007	0.035
5A-00032	30440	U-235/236	0.0253	0.002	0.0045	30414	U-235/236	0.0393	0.003	0.0068
5A-00032	30440	U-238	0.565	0.004	0.03	30414	U-238	0.593	0.002	0.034

**Notes:**

Refer to Table 2.1 of the Final Field Sampling Plan for Soil Sampling (HGL, 2012a) for a definition of radionuclide symbols.

Reporting units in picocuries per gram.

ID - identification

MDC - minimum detectable concentration

TPU - total propagated uncertainty

J - The analyte was detected at the reported concentration; the quantitation is an estimate.

K - Analyte present. Reported value may be biased high. Actual value is expected to be lower.

S - Analyte result is subject to spectral interference. Unless otherwise qualified, the data is believed to be consistent with the background study results and may be used for its intended purpose.

L - Analyte present. Reported value may be biased low. Actual value is expected to be higher.

U - Not considered detected. The associated number is the reported concentration.

U J - Not considered detected. The associated number is the reported concentration, which may be inaccurate.

UL - Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.

**Table A.4**  
**Rinsate and Source Comparison Summary**  
**Subarea 5A, Round 1**

Sample Type	Sample ID	H-3 <sup>1</sup>			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0104	--	--	--	-0.0058	0.023	0.0062	0.0023	0.0063	0.0023	-0.0058	0.018	0.0042
Source	S0047	--	--	--	-0.0026	0.022	0.0063	0	0.0069	0.002	-0.0028	0.017	0.0047
Rinsate	R0120	--	--	--	-0.0008	0.018	0.0059	0.006	0.018	0.0052	0.0097	0.0059	0.0062
Source	S0047	--	--	--	-0.0026	0.022	0.0063	0	0.0069	0.002	-0.0028	0.017	0.0047
Rinsate	R0122	--	--	--	-0.0002	0.0055	0.0045	0.005	0.0068	0.0036	0.0024	0.0055	0.0045
Source	S0047	--	--	--	-0.0026	0.022	0.0063	0	0.0069	0.002	-0.0028	0.017	0.0047
Rinsate	R0124	--	--	--	0.0019	0.0055	0.005	0	0.0069	0.002	-0.0015	0.0055	0.0035
Source	S0047	--	--	--	-0.0026	0.022	0.0063	0	0.0069	0.002	-0.0028	0.017	0.0047
Rinsate	R0126	--	--	--	0.0057	0.0054	0.0057	0.0005	0.017	0.0032	-0.00006	0.021	0.0062
Source	S0047	--	--	--	-0.0026	0.022	0.0063	0	0.0069	0.002	-0.0028	0.017	0.0047
Rinsate	R0117	--	--	--	-0.0003	0.013	0.005	0.0048	0.0065	0.0034	-0.0038	0.0052	0.0027
Source	S0115	--	--	--	0.0027	0.0059	0.0053	0	0.0073	0.0022	0.001	0.0059	0.0043
Rinsate	R0119	--	--	--	-0.0057	0.023	0.0062	0	0.0072	0.0021	-0.003	0.021	0.0057
Source	S0115	--	--	--	0.0027	0.0059	0.0053	0	0.0073	0.0022	0.001	0.0059	0.0043
Rinsate	R0121	--	--	--	-0.0075	0.025	0.0063	0.0026	0.0069	0.0026	0.0005	0.019	0.0057
Source	S0115	--	--	--	0.0027	0.0059	0.0053	0	0.0073	0.0022	0.001	0.0059	0.0043
Rinsate	R0123	--	--	--	0.0007	0.019	0.0062	0	0.0067	0.002	-0.0018	0.0053	0.0034
Source	S0133	--	--	--	0.0082	0.013	0.0066	0	0.0068	0.002	0.0112	0.017	0.0071
Rinsate	R0125	--	--	--	0.0023	0.014	0.0057	0	0.0069	0.002	0.003	0.014	0.0053
Source	S0133	--	--	--	0.0082	0.013	0.0066	0	0.0068	0.002	0.0112	0.017	0.0071
Rinsate	R0127	--	--	--	-0.0042	0.021	0.0058	0.003	0.017	0.0041	-0.0077	0.019	0.004
Source	S0133	--	--	--	0.0082	0.013	0.0066	0	0.0068	0.002	0.0112	0.017	0.0071
Rinsate	R0129	--	--	--	-0.0022	0.021	0.0061	0	0.0068	0.002	-0.0056	0.018	0.0044
Source	S0133	--	--	--	0.0082	0.013	0.0066	0	0.0068	0.002	0.0112	0.017	0.0071

**Table A.4**  
**Rinsate and Source Comparison Summary**  
**Subarea 5A, Round 1**

Sample Type	Sample ID	H-3 <sup>1</sup>			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0131	--	--	--	-0.0059	0.023	0.006	-0.002	0.017	0.002	-0.0008	0.023	0.0064
Source	S0133	--	--	--	0.0082	0.013	0.0066	0	0.0068	0.002	0.0112	0.017	0.0071
Rinsate	R0133	24	130	37	-0.004	0.022	0.0062	0.003	0.016	0.004	-0.0069	0.022	0.0053
Source	S0133	55	130	39	0.0082	0.013	0.0066	0	0.0068	0.002	0.0112	0.017	0.0071
Rinsate	R0135	74	130	39	0.0116	0.013	0.007	0.0029	0.016	0.004	0.0084	0.013	0.0061
Source	S0133	55	130	39	0.0082	0.013	0.0066	0	0.0068	0.002	0.0112	0.017	0.0071
Rinsate	R0137	--	--	--	-0.001	0.018	0.0058	0	0.0072	0.0021	0.003	0.0058	0.0048
Source	S0133	--	--	--	0.0082	0.013	0.0066	0	0.0068	0.002	0.0112	0.017	0.0071
Rinsate	R0139	--	--	--	0.0106	0.017	0.0074	0.0106	0.017	0.006	-0.0032	0.013	0.0038
Source	S0133	--	--	--	0.0082	0.013	0.0066	0	0.0068	0.002	0.0112	0.017	0.0071
Rinsate	R0148	84	400	116	0.0113	0.0132	0.00521	0.0155	0.0163	0.00671	0	0.0252	0.00619
Source	S0148	103	353	106	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0150	263	400	128	0.0103	0.0224	0.00693	0	0.0239	0.00515	0	0.0193	0.00416
Source	S0148	103	353	106	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0152	--	--	--	-0.00209	0.0293	0.00577	-0.0039	0.0469	0.0103	0	0.034	0.00773
Source	S0148	--	--	--	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0154	--	--	--	-0.000189	0.0254	0.00543	0.00676	0.00917	0.00481	0.00821	0.0201	0.00615
Source	S0148	--	--	--	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0156	--	--	--	-0.0012	0.0288	0.00657	0.00889	0.0275	0.00787	0	0.0223	0.0048
Source	S0148	--	--	--	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0180	--	--	--	-0.0165	0.0793	0.0182	-0.00836	0.0458	0.0083	0.00263	0.0371	0.00819
Source	S0148	--	--	--	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0182	--	--	--	0.0076	0.0388	0.01	0.00678	0.0337	0.00841	-0.0123	0.043	0.00751
Source	S0148	--	--	--	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685

**Table A.4**  
**Rinsate and Source Comparison Summary**  
**Subarea 5A, Round 1**

Sample Type	Sample ID	H-3 <sup>1</sup>			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0184	--	--	--	-0.0049	0.017	0.00627	0.00217	0.0493	0.00955	0.00976	0.0494	0.0126
Source	S0148	--	--	--	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0186	174	345	106	0.0181	0.0664	0.0183	0.00254	0.0577	0.0112	0.0114	0.0578	0.0147
Source	S0148	103	353	106	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0188	--	--	--	-0.0328	0.1	0.0194	0.00865	0.0234	0.00867	-0.00504	0.0446	0.00864
Source	S0148	--	--	--	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0208	--	--	--	0.0203	0.0466	0.0143	0.00735	0.0366	0.00913	0.000558	0.0466	0.0105
Source	S0148	--	--	--	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0242	--	--	--	-0.0234	0.068	0.0119	0.00235	0.0534	0.0103	0.00678	0.0184	0.00679
Source	S0148	--	--	--	-0.0109	0.0848	0.0182	0.00845	0.0229	0.00847	0.00684	0.0185	0.00685
Rinsate	R0140	--	--	--	0.0046	0.017	0.0065	0.005	0.0068	0.0036	0.0028	0.013	0.0052
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0142	--	--	--	0.0063	0.014	0.0063	0.0025	0.0068	0.0025	0.0069	0.013	0.006
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0146	338	390	130	0.00209	0.0243	0.00574	0.00648	0.00878	0.00461	0.00524	0.0193	0.00526
Source	S0174	89.3	273	82.1	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0158	--	--	--	-0.000341	0.0198	0.0038	0	0.009	0.00333	0.0107	0.0249	0.00763
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0160	--	--	--	-0.0113	0.0344	0.00641	0.0142	0.0261	0.00873	0.00573	0.0266	0.00703
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0162	--	--	--	-0.000757	0.0513	0.01	0.0103	0.0513	0.0128	-0.00104	0.0589	0.0123
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0164	--	--	--	-0.0177	0.0914	0.0185	0.0182	0.0247	0.013	0.00738	0.02	0.00739
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127

**Table A.4**  
**Rinsate and Source Comparison Summary**  
**Subarea 5A, Round 1**

Sample Type	Sample ID	H-3 <sup>1</sup>			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0166	--	--	--	-0.0414	0.107	0.0219	0.00219	0.0498	0.00964	-0.0091	0.0499	0.00903
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0168	--	--	--	-0.00479	0.0529	0.0117	0.0188	0.0416	0.013	0.00546	0.0272	0.00678
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0170	--	--	--	0.0201	0.12	0.0312	0.0136	0.0369	0.0137	-0.0238	0.0998	0.0176
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0172	66.6	268	80.1	0.00993	0.0473	0.0122	0.0391	0.0472	0.0191	0.00072	0.0602	0.0135
Source	S0174	89.3	273	82.1	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0173	--	--	--	0.0194	0.0519	0.0153	0.0128	0.0173	0.00908	0.0176	0.0564	0.0161
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0174	104	273	82.7	0.00107	0.108	0.0262	0.0102	0.0276	0.0102	0.0281	0.0899	0.0256
Source	S0174	89.3	273	82.1	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0176	--	--	--	-0.0111	0.0894	0.0162	0.028	0.038	0.0199	0.0145	0.0722	0.018
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0178	--	--	--	-0.013	0.0628	0.0114	0	0.0266	0.00986	0.0102	0.0507	0.0126
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0190	--	--	--	-0.0159	0.0848	0.0177	0.00225	0.0511	0.0099	0.0166	0.0512	0.0146
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0192	--	--	--	0.0126	0.0304	0.00942	0.00165	0.0376	0.00728	0.00955	0.0129	0.00678
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0194	--	--	--	0.00476	0.054	0.013	0.00373	0.0525	0.0116	0.00538	0.0146	0.00539
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0196	--	--	--	0.0109	0.0871	0.0206	-0.0197	0.108	0.0195	-0.00486	0.0871	0.0158
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127



**Table A.4**  
**Rinsate and Source Comparison Summary**  
**Subarea 5A, Round 1**

Sample Type	Sample ID	H-3 <sup>1</sup>			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0198	54.6	351	103	0.0189	0.0515	0.0152	0.00808	0.0219	0.00809	0.00836	0.0416	0.0104
Source	S0174	89.3	273	82.1	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0200	--	--	--	-0.0013	0.038	0.00775	-0.00228	0.0409	0.00741	0.0138	0.0267	0.00896
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0202	--	--	--	-0.00467	0.0356	0.0069	-0.00995	0.0545	0.00987	-0.00649	0.0506	0.00895
Source	S0174	--	--	--	0.00444	0.103	0.0239	0	0.0345	0.0128	0.00289	0.0657	0.0127
Rinsate	R0128	--	--	--	-0.0079	0.022	0.0056	-0.002	0.017	0.002	-0.0009	0.023	0.0065
Source	S0232	--	--	--	-0.0136	0.0537	0.00973	0.0192	0.0537	0.0158	0.00382	0.0537	0.0119
Rinsate	R0130	9	120	36	0.0057	0.015	0.0065	-0.0022	0.018	0.0022	0.0016	0.015	0.0053
Source	S0232	7.07	350	101	-0.0136	0.0537	0.00973	0.0192	0.0537	0.0158	0.00382	0.0537	0.0119
Rinsate	R0132	38	130	39	0.0053	0.0053	0.0056	0.0005	0.016	0.0031	0.0002	0.0053	0.0039
Source	S0232	7.07	350	101	-0.0136	0.0537	0.00973	0.0192	0.0537	0.0158	0.00382	0.0537	0.0119
Rinsate	R0134	55	130	39	0.0017	0.0054	0.0049	0.0025	0.0068	0.0025	0.0024	0.0054	0.0045
Source	S0232	7.07	350	101	-0.0136	0.0537	0.00973	0.0192	0.0537	0.0158	0.00382	0.0537	0.0119
Rinsate	R0136	26	130	38	0.0117	0.013	0.007	0.0005	0.016	0.0031	-0.003	0.016	0.0045
Source	S0232	7.07	350	101	-0.0136	0.0537	0.00973	0.0192	0.0537	0.0158	0.00382	0.0537	0.0119
Rinsate	R0138	--	--	--	0.0056	0.013	0.0061	0	0.0066	0.0019	0.0001	0.0053	0.0039
Source	S0232	--	--	--	-0.0136	0.0537	0.00973	0.0192	0.0537	0.0158	0.00382	0.0537	0.0119

**Notes:**

Refer to Table 2.1 of the Final Field Sampling Plan for Soil Sampling (HGL, 2012a) for a definition of radionuclide symbols.

<sup>1</sup>H-3 analyses was only requested if it was included in the analytical suite for samples collected that day.

Reporting units in picocuries per liter.

ID - identification

MDC - minimum detectable concentration

TPU - total propagated uncertainty

**ATTACHMENT 2**

**Boring Logs**

*The boring logs are provided in a separate pdf on SharePoint due to size restrictions.*

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