

**REMOVAL ASSESSMENT REPORT  
FOR  
QUIVIRA MINE FEATURES INCLUDING  
QUIVIRA VENT HOLES 1 THROUGH 4  
NAVAJO NATION, MCKINLEY COUNTY, NEW MEXICO**

Prepared for:

**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
Region 9  
75 Hawthorne Street  
San Francisco, CA 94105

Prepared by:



**WESTON SOLUTIONS, INC.**  
1340 Treat Boulevard, Suite 210  
Walnut Creek, CA 94597

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WESTON START Project Manager:	Brian Milton
EPA Task Monitor:	Mark Ripperda

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- Appendix D Laboratory and Data Validation Reports
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## LIST OF ABBREVIATIONS AND ACRONYMS

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µg/L	microgram per liter
ATV	all-terrain vehicle
bgs	below ground surface
BRA	background reference area
cpm	counts per minute
CR-1	Church Rock No. 1
CR-1E	Church Rock No. 1-East
CR-2	Church Rock No. 2
DOE	Department of Energy
EML	Environmental Measurements Laboratory
EPA	U.S. Environmental Protection Agency
FOV	field of view
GIS	geographic information system
GPS	Global Positioning System
HASL	Health and Safety Laboratory
Kerr McGee	the Kerr McGee Corporation
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
MD	meter/detector
mg/kg	milligram per kilogram
MS	matrix spike
MSD	matrix spike duplicate
NaI	sodium iodide
Navajo Nation	Navajo Nation Native American Reservation
NECR	North East Church Rock Mine Site
NMED	New Mexico Environmental Department
pCi/g	picocuries per gram
QA	quality assurance
QC	quality control

R <sup>2</sup>	coefficient of determination
Ra-226	Radium 226

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## LIST OF ABBREVIATIONS AND ACRONYMS (CONT.)

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RB	rinse blank
RPD	relative percent difference
RSI	Radiation Solutions Inc.
SAP	Sampling and Analysis Plan
S/N	serial number
START	Superfund Technical Assessment and Response Team
TDD	Technical Direction Document
TM	Task Monitor
TestAmerica	TestAmerica Laboratories, Inc.
U <sub>3</sub> O <sub>8</sub>	triuranium octoxide
Vent Hole 1	Quivira Vent Hole #1
Vent Hole 2	Quivira Vent Hole #2
Vent Hole 3	Quivira Vent Hole #3
Vent Hole 4	Quivira Vent Hole #4
WESTON	Weston Solutions, Inc.

# 1. INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked the Weston Solutions, Inc. (WESTON<sup>®</sup>), Superfund Technical Assessment and Response Team (START) to assist EPA Task Monitor (TM) Mark Ripperda in performing a removal assessment in areas associated with the Quivira Mine Sites in the Navajo Nation, McKinley County, New Mexico (the Site; Figure 1). The Quivira Mine Sites consist of three former permitted uranium mine claim areas designated as Church Rock No. 1 (CR-1), Church Rock No. 1-East (CR-1E), and Church Rock No. 2 (CR-2), and other features such as four former vent holes that are not located on the permitted mine sites, but are associated with former mining operations. The mine claims and associated features are located in the Church Rock, Coyote Canyon, Standing Rock, and Nahodishgish Chapters of the Navajo Nation, McKinley County, New Mexico. The removal assessment included features that are not physically on the formerly active CR-1 and CR-1E mine lease areas. The features discussed in this removal assessment report include the former Quivira Vent Hole #1 (Vent Hole 1), Quivira Vent Hole #2 (Vent Hole 2), Quivira Vent Hole #3 (Vent Hole 3), and Quivira Vent Hole #4 (Vent Hole 4). CR-2 is a former mine claim area where exploratory borings were advanced but no actual mining occurred. The CR-2 site was assessed at the same time as Vent Holes 2 and 3. However, assessment data for CR-2 are presented in a separate document.

Under Technical Direction Document (TDD) No. 0015/1302-T15-R9-14-12-0001, the EPA requested that START document Site conditions and perform characterization work at Vent Hole 1, Vent Hole 2, Vent Hole 3, and Vent Hole 4. This report documents the results of field assessment actions conducted by START between February 2015 and December 2015 under the direction of TM Mark Ripperda, to characterize site conditions and to determine whether mine wastes at the Site pose “imminent and substantial endangerment to human health or the environment.” As appropriate, EPA will use data acquired during the removal assessment to evaluate the need for a removal action at the Site and assist in evaluating alternatives that mitigate hazards to human health and the environment.

## **2. SITE BACKGROUND**

### **2.1 SITE DESCRIPTION**

The Northeast Church Rock-Quivira Mines area is located approximately 20 miles northeast of the city of Gallup, New Mexico. The site area is north of the intersection of New Mexico State Highway 566 and Red Water Pond Road. The Navajo Nation Chapters of Coyote Canyon, Nahodishgish, Pinedale, and Church Rock intersect near the site area. The site location and layout is presented in Figure 1.

Vent Hole 1 is located approximately 0.5 miles west-southwest of the CR-1 mine with approximate geographic coordinates for the center of the site of 35.662375° North latitude, and 108.513108° West longitude.

Vent Hole 2 is located approximately 5,000 feet east-southeast of CR-1. The approximate coordinates for Vent Hole 2 are 35.661423° North latitude, and 108.520014° West longitude.

Vent Hole 3 is located approximately 12 miles northeast of Church Rock, NM, and roughly 3,500 feet east-southeast of CR-1E with the approximate geographic coordinates 35.664606° North latitude, and 108.477477° West longitude. The site is within an approximately 8-acre fenced-in area approximately 0.35 miles west of an active sheep farm and residence composed of two houses and several smaller structures. Additionally, a house is located 0.25 miles north of the fenced-in area. No adits, or other mine features were observed during the preliminary assessment visit in 2010 (WESTON, 2010b).

Vent Hole 4 is located approximately 1,500 feet east of CR-1. The approximate coordinates for Vent Hole 4 are 35.66559 ° North latitude, and 108.4948° West longitude.

### **2.2 SITE HISTORY**

Vent Holes 1, 2, 3, and 4 are mine features associated with the CR-1 and CR-1E mine lease areas. According to the Phase 2 Removal Evaluation Work Plan for CR-1 and CR-1E (SENES, 2010), Kerr McGee developed and mined the CR-1 and CR-1E areas from the late 1960s into early 1986. It is estimated that 3,139,784 pounds of uranium (specifically, triuranium octoxide [U<sub>3</sub>O<sub>8</sub>]) were produced from the CR-1 mine and 1,447,463 pounds of U<sub>3</sub>O<sub>8</sub> were produced from the CR-1E mine during operation (WESTON, 2010b). Quivira Mining Company surrendered the

lease properties in February 1987. Quivira Mining was subsequently sold to the predecessor company of Rio Algom Mining LLC in 1988 (SENES, 2011).

### **2.3 DESCRIPTION AND DISTRIBUTION OF MINE WASTE**

The site consists of various mine features associated with the former Quivira Mines, including CR-1, CR-1E, CR-2, and Vent Holes 1, 2, 3, and 4. The removal assessment area discussed in this report includes the boundaries of and approximately 1-acre areas around Vent Holes 1, 3, and 4. The assessment area at Vent Hole 2 (VH-2) was much larger and encompassed approximately 50 acres, including the yard of a residence located approximately 600 feet northeast of VH-2. The five sites have a total combined area of approximately 53 acres.

A brief summary of the information regarding gamma activity measurements in the assessment areas prior to this removal assessment is provided below:

- Vent Hole 1: In 2012, limited screening indicated gamma count rates ranging up to approximately 10 times the background count rate in the vicinity of the vent shaft (E&E, 2012).
- Vent Hole 2: Site characterization activities had not been performed at this location prior to this removal assessment.
- Vent Hole 3: In 2010, limited screening indicated gamma radiation ranging from 10,095 cpm to 31,608 cpm. Three areas exceeded twice the background count rate for gamma activity (WESTON, 2010a).
- Vent Hole 4: Site characterization activities had not been performed at this location prior to this removal assessment.

### 3. FIELD ASSESSMENT

From May through December 2015, an EPA-led removal assessment for the Vent Holes assessment areas was conducted under the direction of TM Mark Ripperda. Work was generally performed in accordance with the *Sampling and Analysis Plan (SAP), Quivira Mine Features Including Church Rock No. 2 Mine Site and Quivira Vent Holes 2 and 3, April 2015* (WESTON, 2015). The SAP (WESTON, 2015) described the sampling rationale, sampling methodology, analytical procedures, and scope of sampling to meet the following primary project objectives:

1. Determine the potential threat to human health or the environment from uranium mine waste (assessed as elevated gamma activity levels or elevated Ra-226 activity concentrations in soil) within or adjacent to the assessment areas.
2. Determine the lateral ground surface boundaries where elevated gamma radiation activity is present at the site; and
3. Evaluate the vertical subsurface extent (up to 3 feet bgs) of contamination in areas where uranium mine waste (based on measured surface gamma activity) is present in surface soils.

The following are noted as deviations to the SAP.

1. Soil samples from the Vent Hole 1 assessment area were analyzed for Radium-226 (Ra-226) by the U.S. Department of Energy (DOE) Environmental Measurements Laboratory (EML) Health and Safety Laboratory (HASL)-300 Method. Soil samples from the CR-2 and Vent Hole 2 and assessment areas were analyzed for Ra-226 by Los Alamos National Laboratory (LANL) ER-130 Method. Samples collected from Vent Holes 2 during the September and December mobilizations and Vent Hole 4 during the August 2015 mobilization were analyzed for Ra-226 using Method GA-01-R by Test America in Earth City, Missouri. While the SAP specified the use of the DOE EML HASL-300 Method for analyzing Ra-226, all three methods use the same analytical procedures have the same preparation, calibration, counting procedure and net end result. All calculations are based on the same variables for the three procedures.
2. A removal assessment of Vent Hole 1 was conducted under the direction of the TM on February 3, 2015. Although soil samples we're generally collected in accordance with the SAP, one-minute static counts were not performed at Vent Hole 1.
3. The SAP proposed that several different configurations of meter-detector combinations would be used to perform gamma scan work. Based on a request from EPA, an additional

method of performing gamma activity counts were added. The additional method (Configuration no. 5 below) involved the use of a Radiation Solution's Inc. (RSI) Model RS-701 control console (meter) coupled with a lead-shielded RSI Model RSX-1 sodium iodide gamma spectrometer (detector), mounted on a towable cart. The results for this configuration and associated correlation soil samples will be presented in a separate document.

4. Because the equipment could not be procured in time, a collimated 3x3 (Configuration No. 4 in the SAP) was not used to perform static or roving counts.
5. Due to uncertainty regarding the correlation between gamma count rates and soil concentrations at Vent Hole 2, and because an area of elevated gamma activity located approximately 650 feet northeast of Vent Hole 2 was identified, the assessment area around Vent Hole 2 was expanded. Additional mobilizations occurred in September and December 2015. During those mobilizations additional gamma scans were performed and additional soil samples were collected in areas north of Vent Hole 2.
6. Vent Hole 4 and the immediate area around it were added to the assessment area.
7. A former earthen dam located 1,600 feet west of the CR-1 waste pile as included in the assessment. Seven (including one field duplicate) surface soil samples (0 to 2 inches bgs) were collected from the dam. The samples were analyzed by Test America, Inc. for selected toxic metals (arsenic, barium, cadmium, chromium, lead, magnesium, molybdenum, selenium, silver, uranium, and vanadium) using EPA SW 846 Method 6010C and Ra-226 using method GA-01-R. A roving gamma scan was performed on the surface of the dam using Configuration No. 3. However, one-minute static counts were not performed. The purpose of the assessment work at the dam was to determine if it is appropriate to use the earthen material it was constructed of as fill, should EPA determine a removal action is warranted. The fill would be used to improve roads and or backfill contaminated soil excavated from around the vent holes.
8. Based on revised calculations using the EPA's Preliminary Remediation Goal Calculator for Radionuclides and site-specific intake factors (See Appendix A) the proposed site screening level was revised from 2.24 pCi/g to 2.0 pCi/g for the residential areas near the vent holes.



START performed a surface gamma activity scan and collected surface and subsurface soil samples and co-located one-minute surface gamma activity counts at the Vent Hole 1 removal assessment area on February 3, 2015. Assessment activities at Vent Hole 2 and Vent Hole 3 occurred from May 12 through May 14, 2015. Assessment work at Vent Hole 4 occurred on August 13, 2015. Additional scanning and sampling at Vent Hole 2 and at the Dam Soil Borrow Area occurred on September 29 and 30, 2015. During the August and September mobilizations an additional area of elevated gamma activity was detected near the residence northeast of Vent Hole 2. Additional assessment at Vent Hole 2 and the nearby residence were performed from December 7 through 10, 2015.

During the field assessments, a total of 77 surface soil samples from 0 to 2 inches below ground surface (bgs) and 74 subsurface soil samples ranging from 6 inches to 36 inches bgs were collected from the Vent Hole 1, Vent Hole 2, Vent Hole 3, and Vent Hole 4 removal assessment areas as shown in Table 1.

The field assessment activities are discussed in Sections 3.1 through 3.4. Photographs documenting the field assessment are provided in Appendix B. Surface gamma scan data are provided in Appendix C. A summary of analytical laboratory results and gamma activity measurements are presented in Appendix D. Laboratory Analytical Data Validation Reports are presented in Appendix E. Ra-226 correlation graphs and data are provided in Appendix F.

For the purposes of this removal assessment, the removal assessment areas included the earthen dam and the areas around Vent Holes 1 through 4, totaling an approximate area of 67 acres. Except as noted herein, surface gamma activity scans, one-minute gamma activity counts, and soil sampling conducted at the removal assessment area were performed according to the SAP. This included using the following meter-detector configurations for various portions of the assessment work.

**Configuration No. 1:** A Ludlum Model 2221 meter coupled with a Model 44-10 (2x2) sodium iodide (NaI) gamma scintillator detector.

**Configuration No. 2:** A Ludlum Model 2221 meter coupled with a collimated 2x2. In this case, the 2x2 was shielded from the influence of background gamma radiation (from cosmic rays,

sunlight, areas not in close proximity to the scan location etc.) using a 6-inch long lead shield (i.e., a collimator).

**Configuration No. 3:** A Ludlum Model 2221 meter coupled with a Model 44-20 (3x3) NaI gamma scintillator detector.

**Configuration No. 4:** (referred to in the SAP as Configuration No. 6). In this configuration, each soil sample was placed into a 16-ounce soil jar. The soil jar was placed in a fixed geometry and shielded by lead bricks. A ten-minute count was performed using a collimated 3x3 placed in a fixed geometry directly on the jar containing the sample. The energy window on the Ludlum Model 2221 rate meter was calibrated such that the meter detects gamma energy in a 20 kiloelectron volt (keV) window centered around the 609 keV gamma emission line produced by bismuth-214 (Bi-214). This energy was selected because it is the Bi-214 gamma energy produced most frequently. The intent of the lead shielding was to reduce the influence of background radiation.

**Configuration No. 5** MGS-300 consisting of a RSI Model RS-701 control console coupled with a RSI Model RSX-1 NaI gamma spectrometer (lead-shielded), mounted on a towable cart at a height of approximately 15.5 inches above ground surface. The results for this work will be presented in a separate report.

Gamma activity scans and one-minute surface gamma activity counts conducted during the removal assessment at the Vent Hole 1 assessment area were collected using the following equipment:

- Ludlum Model 2221 ratemeter: serial number (S/N): 138346
- Ludlum 2x2 S/N: PR308059

Gamma activity scans and one-minute surface gamma activity counts conducted during the removal assessment at the assessment area at Vent Holes 2 through 4 were collected utilizing the meters and detectors listed below:

#### *Field Measurements*

- Ludlum 2221 ratemeter: S/N: 1R9
- Ludlum 2x2: S/N: PR207830
- Ludlum 2221 ratemeter: S/N: 198223
- Collimated Ludlum 2x2: S/N: PR308059

- Ludlum 3x3 S/N: PR269981

*Static Measurements ((Configuration No. 4, ex-situ method):*

- Ludlum Model 2221 Meter S/N:117614 with 3x3 S/N: PR325896

### **3.1 REMOVAL ASSESSMENT FIELD ACTIVITIES**

#### **3.1.1 Background Gamma Measurements**

Prior to performing assessment work at each mine feature, roving gamma count rate scans were performed in the background reference area (BRA) previously established for the North East Church Rock (NECR) Mine Site (MWH, 2006). The background scans were performed until a minimum of 180 measurements were obtained using the various meter/detector configurations.

#### **3.1.2 Vent Hole 1 Gamma Activity Measurements and Soil Sampling**

Field assessment activities at Vent Hole 1 were performed on February 2-4, 2015. Meter detector Configuration No. 1 was used to perform a roving gamma scan over an approximately 1-acre area around the former vent hole. The detector was held approximately 6-inches above ground while the operator walked over the Site at a rate of 1-2 feet per second. Upon completion of scanning activities, five soil sampling locations were selected based on gamma activity rate counts that were expected to be at or slightly above the proposed action level of 2.0 picocuries per gram (pCi/g) for Ra-226. Surface soil samples were collected from 0 to 2 inches bgs at each location. Subsurface soil samples were collected from 6 inches to 10 inches bgs and from 12 inches to 18 inches bgs at locations VH-02 and VH-05. A sample was also collected from 18 inches to 24 inches bgs at sampling location VH-01. Sample locations at VH-1 are shown on Figure 2.

#### **3.1.3 Vent Holes 2 and 3 Gamma Measurements and Soil Sampling**

Roving gamma activity count rate scans were performed at VH-2 and VH-3 on approximately 5-foot wide transects. The scans covered approximately 95-100% of the 1-acre area around each vent hole. The lateral extent of the scan at Vent Hole 2 was expanded as necessary until observed gamma activity readings were less than approximately 1.5 times the background gamma activity

level. Meter-detector Configurations 1 through 5 were used to perform scans at Vent Hole 2. Configurations 1, 3, and 4 were used at Vent Hole 3.

To promote the secondary objective of evaluating the efficacy of using various meter-detector combinations to correlate Ra-226 activity concentrations in surface soil to measured gamma activity count rates, three meter detector configurations (Configurations No.'s 1 through 3 and Configuration No. 5) were used to perform static gamma activity count rate measurements at Vent Hole 2 surface soil sampling locations. Sampling locations were selected after performing the roving gamma scans in each Vent Hole location and processing the data. Based on the measured BRA count rates and the range of gamma activity measured using each meter/detector configuration, various locations at Vent Hole 2 (and Vent Hole 3) were selected that appeared to correlate to Ra-226 activity concentrations (based on experience and professional judgment), near the established screening level of 2.0 pCi/g. In other words, areas that appeared to correlate to activity concentrations ranging from approximately 1.5 pCi/g to 15 pCi/g were targeted for sampling.

To the extent possible based on field observations, roving gamma count rate measurements were used to select discrete sampling locations away from suspected waste piles, drainages, or any other area where concentrations may vary with depth (e.g., below a soil cap), and in areas where surface deposition of the material was expected to be the only known or suspected mechanism of deposition. In accordance with the SAP, surface soil sampling locations selected for use in the correlation study were also relatively flat (slopes less than about 5%), with no large or sudden changes in surface elevations within approximately 10 feet. The purpose of this criterion is to reduce or eliminate the influence of nearby surface irregularities (i.e., shine) that may unduly influence the amount of gamma radiation detected by each instrument.

Immediately prior to sample collection, locations selected for surface soil sampling were preliminarily scanned. The purpose of the preliminary scan was to ensure the gamma count rates did not vary more than 20% in within a 3-foot radius of the sampling location. A large variance in surface gamma activity may produce errors in the correlation that are not easily accounted for. Typically these variations are due to the presence of buried wastes or gravel to cobble sized rocks of uranium ore that are not representative of the general surface soil conditions at that location.

Once it was determined that the above sampling location criteria were met, a one-minute static gamma activity count was performed at each location using various meter/detector (MD) configurations. For the Ludlum field instruments, static gamma activity counts were performed by holding the detector as steady as possible at a height of 6-inches above the sampling location. Persons other than the scan technician were excluded from the area within 10-feet of the detector during counting.

After the one-minute counts were performed, a surface soil sample (0 to 2 inches) was collected into a clean 1-gallon plastic bag or soil jar labeled with the appropriate sample information. The location was recorded using GPS technology. Pertinent details regarding the sample were recorded in the field logbook for the project. Upon completion of the soil sampling activities, the samples were homogenized by mixing. For samples collected during the May 2015 mobilization, selected aliquots were placed in clean 16-ounce soil jars and taken to the WESTON office in Grants, New Mexico. At the WESTON office the jars were placed in a fixed geometry and shielded by lead bricks on the bottom and sides. A ten-minute gamma activity count was performed for each sample using a Ludlum Model 2221 meter coupled with a Ludlum Model 44-20 detector. These samples were subsequently submitted for laboratory analysis for Ra-226.

Upon completion of the static gamma activity count rate measurements, each soil sample was placed in an ice chest under chain-of-custody control and submitted to Eberline Analytical Laboratory, Oak Ridge, Tennessee, for analysis for Ra-226 by the LANL ER-130 Method or to Test America Inc. for analysis using DOE Method GA-01-R.

The areas scanned using the various configurations at each location are shown on Figures 2 through 7.

### **3.2 QUALITY ASSURANCE (QA)/QUALITY CONTROL (QC) OF FIELD SAMPLING**

Field duplicate soil samples were collected at locations randomly selected in the field at a rate of approximately 1 duplicate per 10 samples. Field duplicate samples were evaluated based on the relative percent difference (RPD) between the results of the homogenized split duplicate soil sample and the original sample collected from one location.

### **3.3 QA/QC OF FIELD GAMMA ACTIVITY MEASUREMENTS**

The field screening instruments utilized during this removal assessment were evaluated to document that the equipment was within annual calibration and operating within daily QC parameters according to the SAP (WESTON, 2015). To minimize the potential for measurement variability, the Ludlum Model 2241 ratemeters were matched with the same Ludlum detectors throughout the assessment period.

Prior to and after performing field measurements, a one-minute gamma activity count was performed for the matched ratemeter-detectors using a radioactive check source. Immediately before or after the one-minute count was performed with the check source, an additional one-minute count was performed without the check source (i.e. a background count). The counts were performed in a location away from areas impacted by mining operations. A  $\pm 20\%$  variation from this initial measurement value was set as the QC tolerance limit during subsequent daily QC checks. To minimize variance during each daily QC check, the check was performed with the source and ratemeter-detector combinations in the same location and orientation as those used during the initial calibration measurement described above. Source checks and background checks were all within 20% of the initially measured values. Calibration sheets and annual calibration certificates are located in the project files.

## **4. ANALYTICAL RESULTS AND GAMMA ACTIVITY MEASUREMENTS**

A WESTON chemist conducted data validation for all laboratory-generated data in general accordance with EPA *National Functional Guidelines for Inorganic Superfund Data Review* (EPA, 2014) modified as required for the specific methods used. Tier 2 data validation included evaluation of criteria such as laboratory QA/QC sample summaries, holding times, and matrix-related recoveries. Data qualifiers were applied by START according to the guidance used (EPA, 2014). All data were found to be acceptable for use as definitive data. A summary of analytical laboratory results and gamma activity measurements are presented in Appendix C. Laboratory Analytical Data Validation Reports are presented in Appendix D.

### **4.1 NECR BACKGROUND AREA GAMMA ACTIVITY COUNT RATES**

The established background Ra-226 activity concentration of 1 pCi/g is based on data from the 2006 NECR Background Study made up of a set of 25 soil samples collected during the study (MWH, 2006). Background gamma count rates are required for each meter/detector configuration to measure and estimate naturally-occurring gamma radiation. The background gamma count rate measurements were made in the established background area. Roving gamma activity scans were performed by walking at an approximate speed of 1-2 feet per second over the background area until a minimum of 180 background measurements are collected with each meter/detector configuration. Statistical information collected in May 2015 for each background data set using the three meter detector combinations is summarized in Table 2.

### **4.2 REMOVAL ASSESSMENT AREAS**

Summaries of the Ra-226 analytical data for surface and subsurface soil samples for the vent holes are presented in Tables 3 through 6. A summary of the metals results from Vent Hole 4 is presented in Table 7. A summary of the Ra-226 for the Dam Assessment Area is presented in Table 8 and metals data for the Dam Assessment are is summarized in Table 9.

## **4.2.1 Vent Hole 1 Assessment Area**

### **4.2.1.1 Vent Hole 1 Surface Soil Sampling and Gamma Activity Measurements**

Five surface soil samples were collected from within the Vent Hole 1 assessment area. Ra-226 concentrations in five surface soil samples collected from the removal assessment area ranged from 1.21 to 13.0 pCi/g. Samples from locations VH1-01, VH1-03, and VH1-04 exceeded the established Ra-226 screening level of 2.0 pCi/g. Surface soil sampling results are summarized in Table 3.

One-minute surface gamma activity counts were performed ex-situ using a collimated Ludlum 44-10 (2 x 2) placed directly on a 1-gallon baggie of soil prior to submitting the sample to the laboratory. Gamma activity count rates from the Vent Hole 1 soil samples ranged from 8,383 cpm to 21,400 cpm and had an average of 11,430 cpm. Since the one-minute static counts were made using a different procedure than that at Vent Hole 2 and Vent Hole 3, no attempt was made to use them in the correlation study. Instead, the measured gamma activity count rates from the roving scans were used in conjunction with the first order trend line equations produced by the linear regression analyses of a selected Vent Holes 2 and 3 surface soil data set in conjunction with the 1-minute static counts made using meter-detector Configuration No. 1. The equation was used to estimate the Ra-226 activity concentrations in surface soils at Vent Hole 1 based on the roving gamma scan measurements. The correlation between the detected Ra-226 surface concentrations and the one-minute surface gamma activity counts in co-located soil samples for each instrument at the respective removal assessment area is included in Appendix E.

Roving surface gamma activity scans performed using a 2 x 2 ranged from 8,705 cpm to 66,133 cpm with an average of 13,466 cpm. Surface sampling results are summarized in Table 4. Surface sampling locations and correlated Ra-226 activity concentrations are summarized on Figure 2.



Based on the correlation study, the maximum estimated Ra-226 activity concentration in surface soils at Vent Hole No. 1 was 78.9 pCi/g. It should be noted that this estimated value is well above the range used to correlate the data sets and derive the correlation equation, and thus is both an estimate and an extrapolation. Predicted Ra-226 activity concentrations outside the 1.5 pCi/g to 15 pCi/g range used in the correlation study should be considered rough estimates.

#### **4.2.1.2 Vent Hole 1 Subsurface Soil Sampling**

Ten subsurface soil samples were collected from within the Vent Hole 1 assessment area. Ra-226 activity concentrations ranged from 0.48 to 15.6 pCi/g. Ra-226 levels in the samples collected from 6-inches to 10-inches bgs at locations VH1-01 and VH1-03 exceeded the 2.0 pCi/g screening level. Samples collected from deeper than 12 inches at locations VH1-01, VH1-02, and VH1-05 were all less than 2.0 pCi/g. Subsurface soil sampling results for Vent Hole 1 are summarized in Table 4.

### **4.2.2 Vent Hole 2 Assessment Area**

#### **4.2.2.1 Vent Hole 2 Surface Soil Sampling and Gamma Activity Measurements**

Detected Ra-226 activity concentrations in surface soils collected at Vent Hole 2 ranged from 1.05 to 14.3 pCi/g. Ra-226 activity concentrations exceeded 2.0 pCi/g at 19 of 47 sampling locations. Surface sampling results are summarized in Table 4. Soil sampling locations and correlated Ra-226 activity concentrations are shown on Figures 3 through 5.

#### **4.2.2.2 Vent Hole 2 Subsurface Soil Sampling**

Thirty-three subsurface soil samples were collected from 28 locations within the Vent Hole 2 assessment area.

Subsurface sampling included locations VH2-15 and VH2-16, which appeared to be a mound of buried waste approximately 30 to 40 feet in diameter. Ra-226 concentrations in subsurface soil samples ranged from 0.68 pCi/g to 224 pCi/g at depths less than 1.5 feet bgs and 1.64 pCi/g to 360 pCi/g at a depth of 2.5 to 3.0 feet bgs. The highest activity concentrations were detected in

the subsurface samples collected from VH2-15 and VH2-16. Subsurface soil results for the Vent Hole 2 assessment area are summarized in Table 4. Activity concentrations in the samples collected from outlying areas at Vent Hole 2 were highest in the residential area located approximately 650 feet northeast of the former vent hole. The maximum activity concentration detected in that area was 4.17 pCi/g in the field duplicate sample collected from 1-foot bgs at location VH2-128.

### **4.2.3 Vent Hole 3 Assessment Area**

#### **4.2.3.1 Surface Soil Sampling and Gamma Activity Measurements**

Nineteen (including three field duplicates) surface soil samples were collected from within the Vent Hole 3 assessment area. Soil sampling results are summarized in Table 6 and on Figure 9.

Ra-226 concentrations in the surface soil samples ranged from 2.07 to a maximum of 22.9 pCi/g at location VH3-15. Ra-226 activity concentrations exceeded the established Ra-226 screening level of 2.0 pCi/g in all surface samples. Based on the roving 3x3 scan data, the estimated maximum surface concentration of Ra-226 at Vent Hole 3 was 35.5 pCi/g. This estimated value is above the range used to correlate the data sets and derive the correlation equation, and thus is both an estimate and an extrapolation. Predicted Ra-226 activity concentrations outside the 1.5 pCi/g to 15 pCi/g range should be considered rough estimates.

#### **4.2.3.2 Subsurface Soil Sampling**

Fourteen subsurface soil samples were collected from within the Vent Hole 3 assessment area to evaluate the vertical extent of soil contamination and to estimate potential soil removal volumes at the removal assessment area. Eight samples were collected at a depth of 1.0 to 1.5 feet bgs, four samples were collected at 2.0 to 2.5 feet bgs and two samples were collected from a depth of 2.5 to 3.0 feet bgs. Ra-226 concentrations in subsurface soil samples ranged from 1.90 pCi/g to 12.8 pCi/g at a depth of 1.0 to 1.5 feet bgs, from 2.18 pCi/g to 2.48 pCi/g at a depth of 1.0 to 1.5 feet bgs, and 1.05 pCi/g to 1.36 pCi/g at a depth of 2.5 to 3.0 feet bgs. Ra-226 activity concentrations exceeded 2.0 pCi/g in 8 of the 14 samples and were highest at locations VH3-15

and VH3-16. Subsurface soil results for the Vent Hole 3 assessment area are summarized in Table 6 and on Figure 9. Gamma activity scan measurement information is included as Appendix C.

## **4.2.5 Vent Hole 4 Assessment Area**

### **4.2.5.1 Vent Hole 4 Metals Results**

Soil sample results for metals at Vent Hole 4 are summarized on Table 6. Arsenic was detected above the EPA's Regional Screening Level for Soil in a Residential scenario (r-RSL) of 0.68 milligrams per kilogram (mg/kg) in. Detected arsenic concentrations were above the New Mexico Environmental Department (NMED) soil screening level of 3.9 mg/kg in 19 of 37 samples collected. The maximum detected arsenic concentration was 17 mg/kg in sample VH4-05-18". According to the study, *Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States*, prepared by the U.S. Geological Survey in 1984 (USGS, 1984), arsenic concentrations found in the United States range from 0.1 mg/kg to 97 mg/kg and average 7.2 mg/kg. The arsenic concentrations found in the soil at the Site appear to be naturally occurring, are within the range of background concentrations, and may not be related to historic contamination.

Detected concentrations of the remaining metal analytes were all less than both the r-RSLs and the NMED screening levels, suggesting that contamination from metals is not a concern at Vent Hole 4.

### **4.2.3.3 Vent Hole 4 Surface Soil Sampling and Gamma Activity Measurements**

Seventeen surface soil samples (including duplicates) were collected at the Vent Hole 4 assessment area. Ra-226 concentrations in surface soil samples collected from the removal assessment area ranged from 0.82 to 12.40 pCi/g. Samples from eight locations exceeded the established Ra-226 screening level of 2.0 pCi/g. Surface soil sampling results for Ra-226 are

summarized in Table 7. Surface sampling locations and correlated Ra-226 activity concentrations are summarized on Figure 7.

Based on the correlation study, the maximum estimated Ra-226 activity concentration in surface soils at Vent Hole No. 1 was 78.9 pCi/g. It should be noted that this estimated value is above the range used to correlate the data sets and derive the correlation equation, and thus is both an estimate and an extrapolation.

#### **4.2.4 Vent Hole 4 Subsurface Soil Sampling**

To evaluate the vertical extent of soil contamination and to estimate potential soil removal volumes, twenty subsurface soil samples (including duplicates) were collected from within the Vent Hole 4 assessment area. Ra-226 activity concentrations ranged from 0.67 to 91.8 pCi/g. Of these 20 subsurface soil locations, seven subsurface locations exceeded the 2.0 pCi/g screening level. Detected Ra-226 activity concentrations in subsurface soil samples were highest at locations VH4-05 and VH4-06. This area was slightly mounded above the surrounding grade, suggesting buried wastes are present at those locations. Soil sample results for Ra-226 are summarized in Table 7.

#### **4.2.5 Dam Assessment Area**

##### ***4.2.5.1 Dam Assessment Area Ra-226 Surface Soil Sampling***

Seven surface soil samples (including one field duplicate) were collected from the Dam Assessment area and submitted to Test America Laboratories for analysis for Ra-226. Activity concentrations ranged from 0.64 to 1.21 pCi/g and were within the range of background concentrations. Ra-226 concentrations at the Dam Assessment area are summarized in Table 8.

##### ***4.2.5.2 Dam Assessment Area Surface Soil Sampling for Metals***

Except for arsenic detected metals in surface soil samples collected from the Dam Assessment

Area did not exceed a screening level. Arsenic was detected at estimated (j-flagged) concentrations up to 5.7 mg/kg in sample Dam-05, above the NMED screening level of 4.25 mg/kg.

### **4.3 QA/QC RESULTS**

Field duplicates collected to assess field precision were collected and submitted for Ra-226 (all assessment areas) and select metals (VH-4 assessment area). The sample results were evaluated by calculating the RPD between the field duplicate and parent sample results. An RPD of less than 50% for soil samples of Ra-226 is generally considered acceptable. All field duplicates for Ra-226 were within this acceptance criteria. The data validation report noted that results for samples (VH2-114-10", VH2-115-24", VH2-117-2", VH2-122-10", VH2-123-12", VH2-1123-12", VH2-123-12", VH2-119-12", and VH2-126-6" some sample results for radium were potentially biased low due to a low sample volume. These samples were generally subsurface samples collected from the elevated area of gamma activity, which were rockier and made sample recovery difficult in some cases. However, all Ra-226 data were validated and considered acceptable for the intended use.

The metals analyses performed by Test America for samples collected from Vent Hole 4 underwent a data qualification review by the WESTON START QA Coordinator. Holding times, blanks, laboratory control sample (LCS) results, and RPDs for field duplicates were all within acceptable ranges. Matrix spike (MS) and matrix spike duplicate (MSD) recoveries for magnesium and uranium were outside the QC limits, indicating matrix interference with the sample (VH4-01-0"). Based on this issue, detected magnesium results were qualified as estimated (j-flagged). Uranium recovery in the MSD was only slightly above the acceptable limit and no qualification was considered necessary. The metals data were deemed acceptable for the intended use as qualified.

#### 4.4 CORRELATION BETWEEN SURFACE SOIL SAMPLING AND GAMMA ACTIVITY MEASUREMENTS

The detected Ra-226 surface concentrations and one-minute static surface gamma counts in selected co-located soil samples in the Vent Holes 2 through 4 removal assessment areas were correlated and used to estimate the gamma activity level equivalent to Ra-226 activity concentrations in surface soils. Sample locations suspected of being on or near waste piles and those with anomalously high gamma activity rates were excluded from the correlation studies.

For the ex-situ ten-minute count method, correlation between Ra-226 surface concentrations and the surface gamma activity scans were based on a total of 27 of the 28 surface sampling locations from the removal assessment areas Vent Hole 2 and Vent Hole 3.

Using linear regression analysis formula intrinsic to Microsoft Excel®, the coefficient of determination ( $R^2$ ) values between Ra-226 surface concentrations and one-minute surface gamma activity counts (and for the ex-situ counts) in corresponding samples were calculated for each of the four gamma radiation detectors used:

- Ludlum 44-10 (2 x 2):  $R^2 = 0.81$
- Collimated Ludlum 44-10 (2 x 2):  $R^2 = 0.77$
- Ludlum 44-20 (3 x 3): 0.79
- Ex-situ method using Ludlum 44-20 (3 x 3) with lead shield: 0.73

The coefficient of determination value is a measure of how closely correlated the data sets are.  $R^2$  values that approach 1 indicate a strong positive correlation (i.e. when gamma count rates increase, there is a corresponding increase in Ra-226 activity concentrations) between data sets. Coefficients of determination that approach -1 indicate a strong negative correlation (when one value increases the other decreases) between data sets.  $R^2$  values near zero indicate there is no discernable relationship between data sets.

The  $R^2$  values between Ra-226 surface concentrations and one-minute surface gamma activity counts and ten-minute ex-situ counts were greater than 0.7. Therefore, gamma activity scanning

data correlated to Ra-226 surface concentrations collected during this assessment meet EPA criterion stated in the SAP for use as screening level data ( $R^2 = >0.7$ ) at the site. A summary of these data is included Appendix E.

At Vent Hole 2, two separate correlations were developed. The linear first order equation developed for each correlation was applied to the gamma scan data for the purpose of estimating Ra-226 concentrations in surface soil. The first correlation (VH-2 Correlation No. 1) was applied only to areas within about 150 feet of the former vent hole. The second correlation was applied to areas away from the vent hole, including the yard of the residence northeast of the site. Graphs of the correlations used to create Figures 3 through 5 are included in Appendix E.

## **5. CONCLUSIONS AND RECOMMENDATIONS**

Based on soil sampling data and correlated gamma activity scan count rates, Ra-226 activity concentrations in surface and shallow subsurface soil at all four vent holes exceeds the current screening level of 2.0 pCi/g. Based on the presence of uncontrolled contaminants at concentrations above the established screening levels, removal actions appear to be warranted at all four vent holes.

### **5.2 VENT HOLE 1**

Based on the extent of elevated gamma activity as depicted in Figure 2, the lateral extent of contaminants that correlate to levels above 2.24 pCi/g appears to be defined at Vent Hole 1.

Except at sampling location VH1-03, the Ra-226 activity concentration in the deepest sample collected from each location was less than 2.0 pCi/g, suggesting that the vertical extents of contaminants in these areas are largely defined. However, samples were not collected from the area with the highest gamma readings at Vent Hole 1 (southwest of sampling location VH\_01), and it appears this area may have been a former storage pile for impacted material. For the purpose of estimating contaminated soil volumes it was assumed that buried waste in this area extends to 3 feet bgs.

### **5.3 VENT HOLE 2**

The lateral extent of Ra-226 activity concentrations above the screening level appears to be defined at Vent Hole 2.

For areas within about 150 feet of the former Vent Hole, Ra-226 activity concentrations in subsurface samples collected at Vent Hole No. 2 were generally less than the screening level and generally decreased with depth. Sampling locations VH2-12, VH2-15, and VH2-16. were all on or near what appeared to be a pile of buried mine waste. The data suggest that the lateral and vertical extent of Ra-226 at Vent Hole 2 is largely defined.

Gamma count rates and soil sample data collected near the residence northwest of VH2 suggests that except for locations VH2-112, VH2-128 the lateral and vertical extent of Ra-226 concentrations above 2.0 pCi/g are defined.

### **5.4 VENT HOLE 3**

Based on the extent of elevated gamma activity as depicted in Figure 6, the lateral extent of contaminants that correlate to levels above 2.0 pCi/g appears to be defined at Vent Hole 3.

During the assessment START observed what appeared to be a stockpile of mine waste east of Vent Hole No. 3. Except at sampling locations VH3-13 and VH3-15, Ra-226 activity concentrations in the deepest subsurface samples collected at Vent Hole No. 3 sampling locations were between 1.05 pCi/g and 2.18 pCi/g. Ra-226 activity concentrations decreased with depth in every case. These results and data from locations VH3-15 and VH3-16 suggest that buried mine wastes are not present at depths greater than approximately 3-feet bgs. These sample locations were on or near what appeared to be a pile of buried mine waste. If removal actions are deemed necessary, a more detailed gamma scan and additional surface and subsurface soil sampling are recommended to further define the removal area and to verify that residual contaminant levels are below the screening level once excavation occurs. Impacts in most areas



appear to be related to surface deposition of material and except in the waste pile, are not likely to extend more than 2-feet bgs. However, the actual depth of contamination is not defined in all areas.

#### **VENT HOLE 4**

Based on the extent of elevated gamma activity as depicted in Figure 7, the lateral extent of contaminants that correlate to levels above 2.0 pCi/g appears to be defined at Vent Hole 4.

During the assessment START observed what appeared to be a stockpile of mine waste near locations VH4-05 and VH4-06. Except at sampling locations VH4-3 and VH4-13, Ra-226 activity concentrations generally decreased with depth. These results and data from locations VH4-05 and VH4-06 suggest that buried mine wastes are not present at depths greater than approximately 2.5 feet bgs. If removal actions are deemed necessary, a more detailed gamma scan and additional surface and subsurface soil sampling are recommended to further define the removal area and to verify that residual contaminant levels are below the screening level once excavation occurs. Impacts in most areas appear to be related to surface deposition of material and except in the waste pile and at location VH4-13, are not likely to extend more than 2-feet bgs. However, the actual depth of contamination is not defined in all areas.

#### **5.5 SUMMARY**

Based on the current screening level, a time-critical removal action to mitigate exposure to contamination at Vent Holes 1 through 4 is warranted. Based on both soil sampling and estimated surface concentrations of Ra-226 using correlated gamma scan count rates, surface soil concentrations above the screening level are present at all four vent holes. All four vent holes are located between approximately 650 feet and 1,400 feet from the nearest residences. As an interim action, the wastes could be consolidated and capped in place or excavated and temporarily consolidated onto the CR-1 waste pile prior to a final remedial action. Capping in place would require the importation of extensive fill and increase potential maintenance costs

and risks to nearby receptors should a cap fail. If the wastes are consolidated on the CR-1 waste pile, a temporary cap could be placed on the waste to reduce the potential risks until final actions occur. The excavated areas at each vent hole could be backfilled with clean imported fill to the extent necessary to maintain existing grades and flow lines. If excavation occurs, the areas should be stabilized using erosion control products and hydroseeded to prevent erosion and sediment loss. This step would likely require temporary fencing to restrict the area from grazing until the vegetation is established. All three Vent Holes are currently at least partially fenced. However, these fences would need to be improved to restrict grazing animals.

In order to protect the health of local residents, it is recommended that an approximate volume of 6,460 cubic yards of contaminated soil and residual contaminated mine waste be removed from the above areas of concern. A summary of the estimated volume of soil with Ra-226 concentrations greater than 2.0 pCi/g is included as Table 10. Under the direction of EPA, additional assessment could be conducted to define the full lateral and vertical extent of the removal area, and gamma spectrometry measurements and soil sampling would be collected to confirm that the removal objectives have been met.

## 6.0 REFERENCES

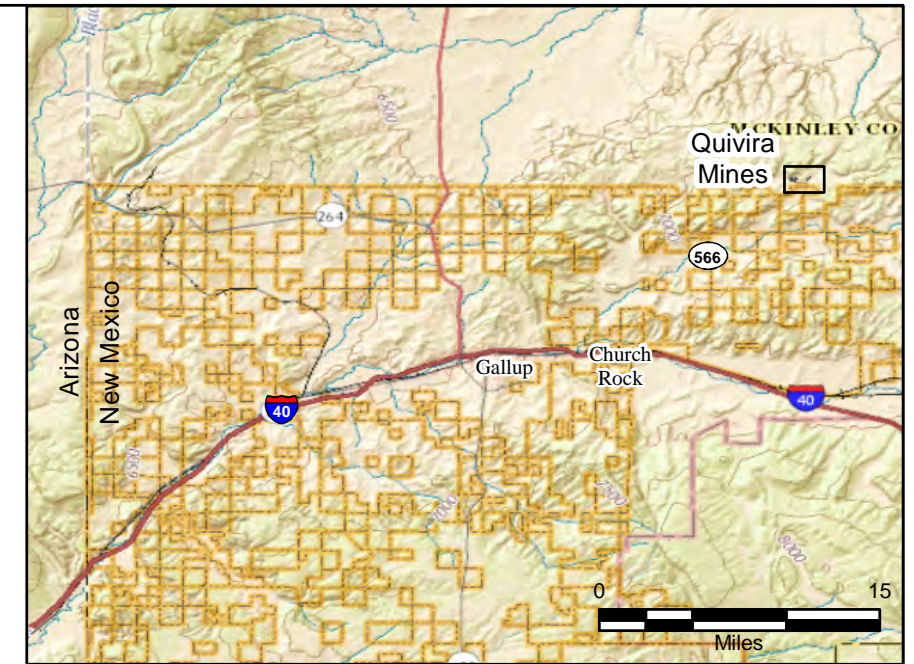
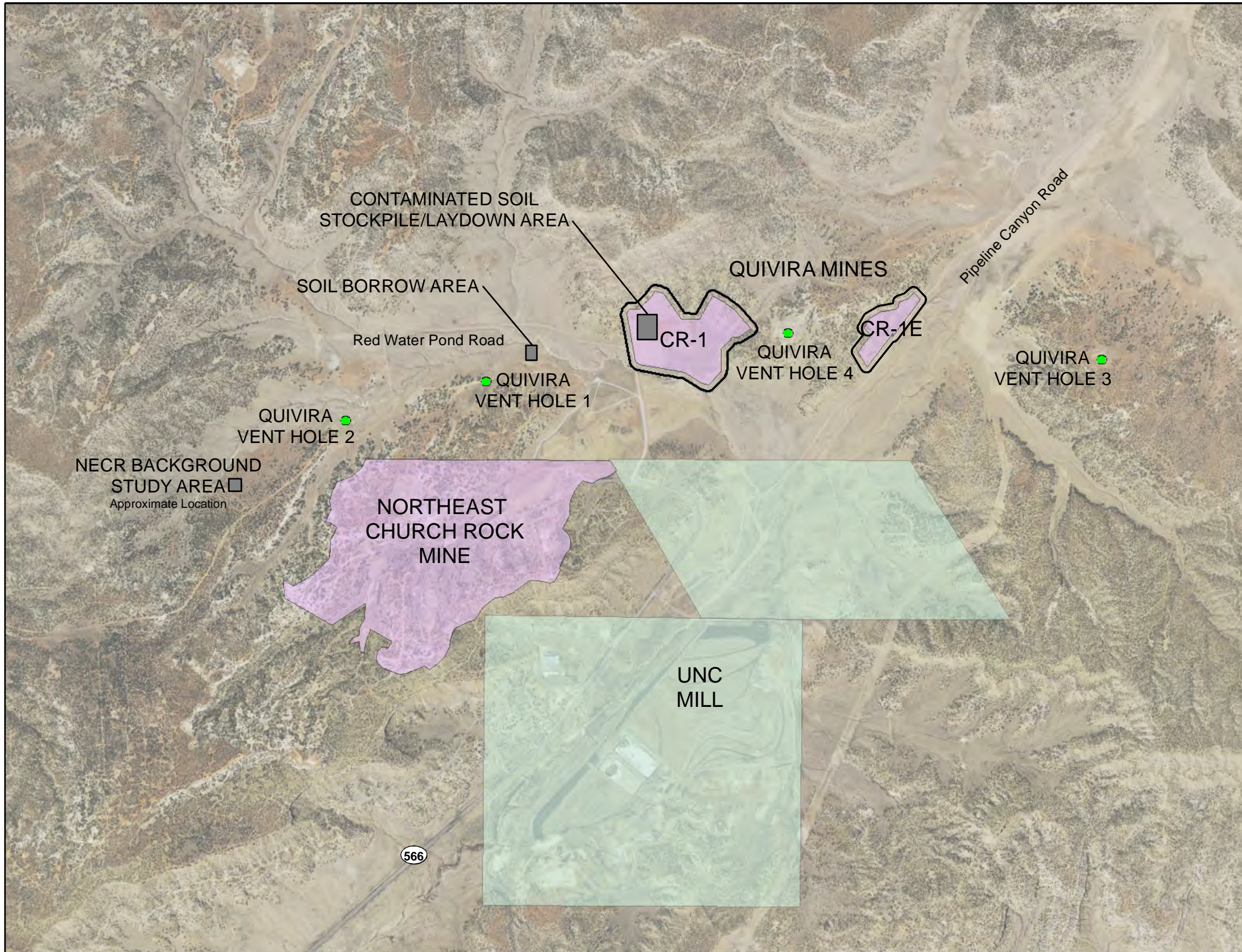
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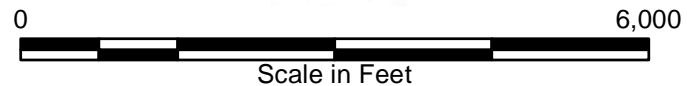
## FIGURES

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- LEGEND**
-  100-ft Stepout Boundary
  -  Mine Lease Boundary
  -  NE Church Rock Mine Boundary
  -  UNC Mill Boundary
  -  Mine Vent Hole



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 1340 Treat Blvd, Ste 210  
 Walnut Creek, CA 94597

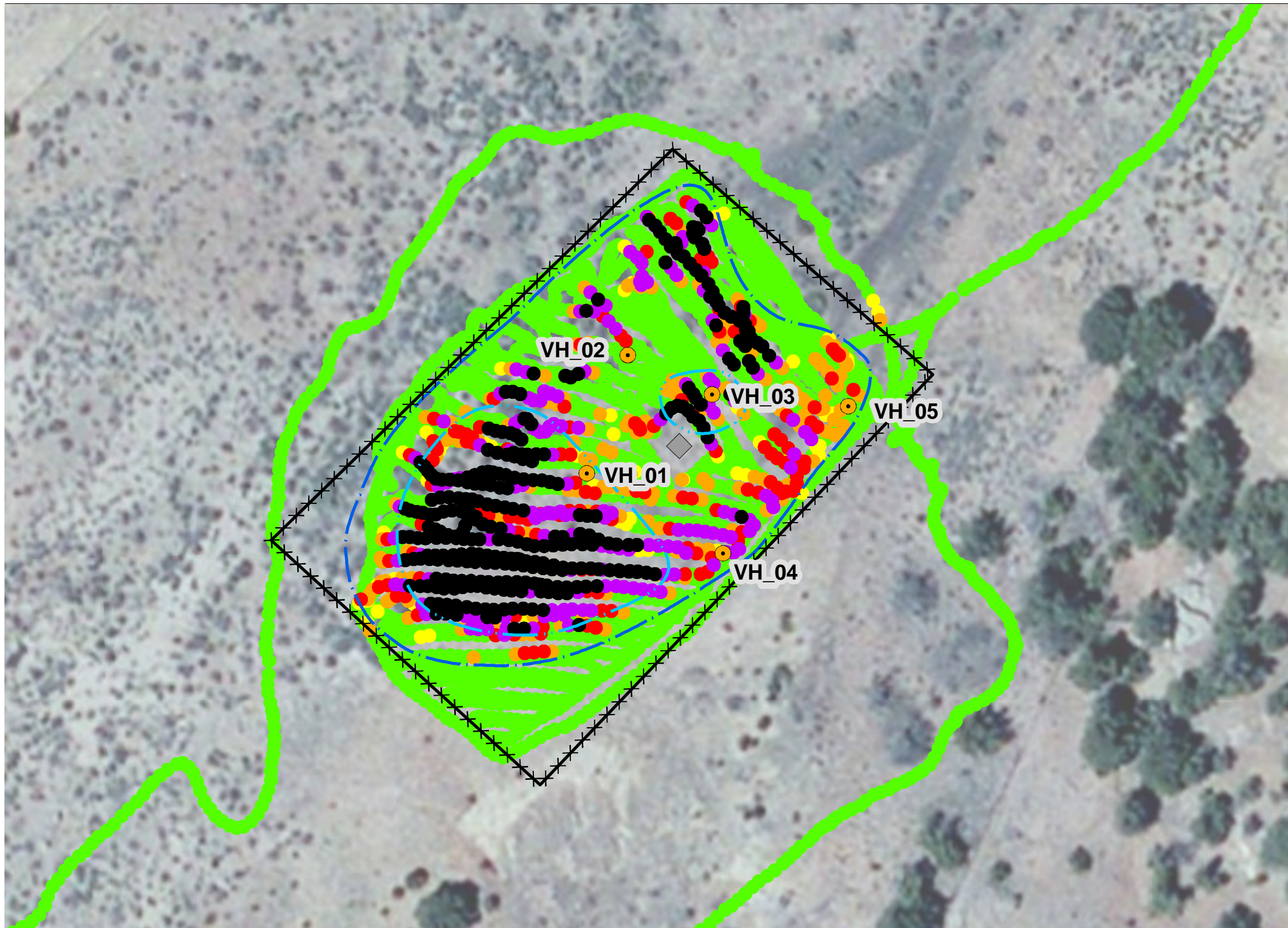


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**FIGURE 1**  
**SITE LOCATION MAP**  
 Quivira Vent Hole Removal Site Evaluation  
 Navajo Nation, McKinley County, NM





Sample ID	Ra-226 Activity Concentration (pCi/g)	Sampling Depth (Inches)
VH-01-02in	5.83	0-2
VH-01-6in-10in	4.27	6-10
VH-01-18in-24in	0.79	18-24
VH-02-02in	1.21	0-2
VH-02-6in-10in	0.67	6-10
VH-02-12in-18in	1.07	12-18
VH-03-02in	2.52	0-2
VH-03-6in-10in	15.6	6-10
VH-103-6in-10in	9.95	DUP
VH-04-02in	13.0	0-2
VH-04-6in-10in	0.53	6-10
VH-104-6in-10in	0.65	DUP
VH-05-02in	1.62	0-2
VH-05-6in-10in	0.48	6-10
VH-05-12in-18in	0.67	12-18

Notes: 1. Items in red text are above Action Level  
 2. Includes scan data from December 7, 2015 assessment work.

**LEGEND**

- Vent Hole 1
- ⊠ Remove and Replace Existing Fence as necessary
- ▭ 1-Foot Excavation Boundary
- ▭ 2-Foot Excavation Boundary
- Soil Sample Location

**Estimated Ra-226 Concentrations Based on Correlated Gamma Activity**

- Less than 2 pCi/g
- 2.1 pCi/g - 2.5 pCi/g
- 2.6 pCi/g - 4 pCi/g
- 4.1 pCi/g - 6 pCi/g
- 6.1 pCi/g - 10 pCi/g
- Greater than 10 pCi/g

Probe Model: Ludlum 44-10  
 Probe Serial #: PR207830  
 pCi/g = picocurie/gram

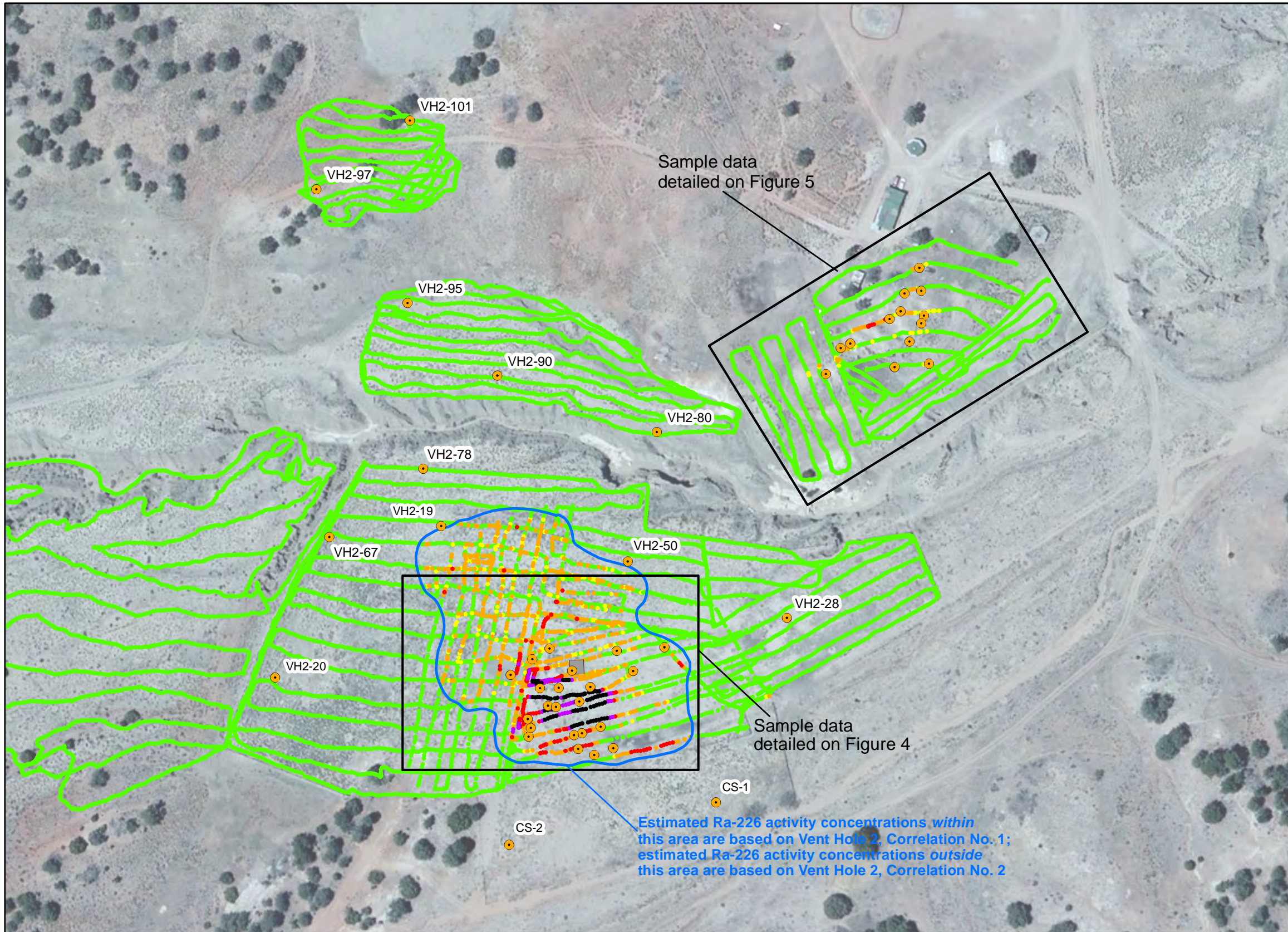


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 Weston Solutions, Inc.  
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 Southwest

**FIGURE 2**  
**VENT HOLE 1 APPROXIMATE EXCAVATION BOUNDARIES**  
 Quivira Vent Hole Removal Site Evaluation  
 Navajo Nation, McKinley County, NM





Sample ID	Ra-226 Activity Concentration (pCi/g)	Sampling Depth (Inches)
VH2-19-A	1.16	0-2
VH2-19-B	1.53	3-12
VH2-20-A	1.42	0-2
VH2-20-B	1.18	3-12
VH2-28	1.47	0-2
VH2-28	1.32	DUP
VH2-28-12	1.92	3-12
VH2-50	1.38	0-2
VH2-50-12	0.98	3-12
VH2-67	1.05	0-2
VH2-67-12	1.43	3-12
VH2-167-12	1.2	DUP
VH2-78	1.27	0-2
VH2-78-12	1.42	3-12
VH2-80	1.35	0-2
VH2-80-12	1.42	3-12
VH2-90	1.05	0-2
VH2-90-12	1.2	3-12
VH2-95	1.54	0-2
VH2-95-12	1.46	3-12
VH2-97	1.4	0-2
VH2-97-8	0.97	3-8
VH2-101	1.24	0-2
VH2-101-8	1.28	3-8
CS-1	0.92	0-2
CS-2	1.07	0-2
CS-2	0.79	DUP

Notes: Includes preliminary scan data from August 15, 2015 and December 7, 2015 assessment work.

**LEGEND**

- Soil Sample Location
- Vent Hole 2

**Estimated Ra-226 Concentrations Based on Correlated Gamma Activity**

- Less than 2 pCi/g
- 2 pCi/g - 2.25 pCi/g
- 2.25 pCi/g - 4 pCi/g
- 4 pCi/g - 6 pCi/g
- 6 pCi/g - 10 pCi/g
- Greater than 10 pCi/g

Probe Model: Ludlum 44-10 or Ludlum 44-20 & Ludlum 2221  
 Probe Serial #: 18BR9 & 138346  
 pCi/g = picocurie/gram

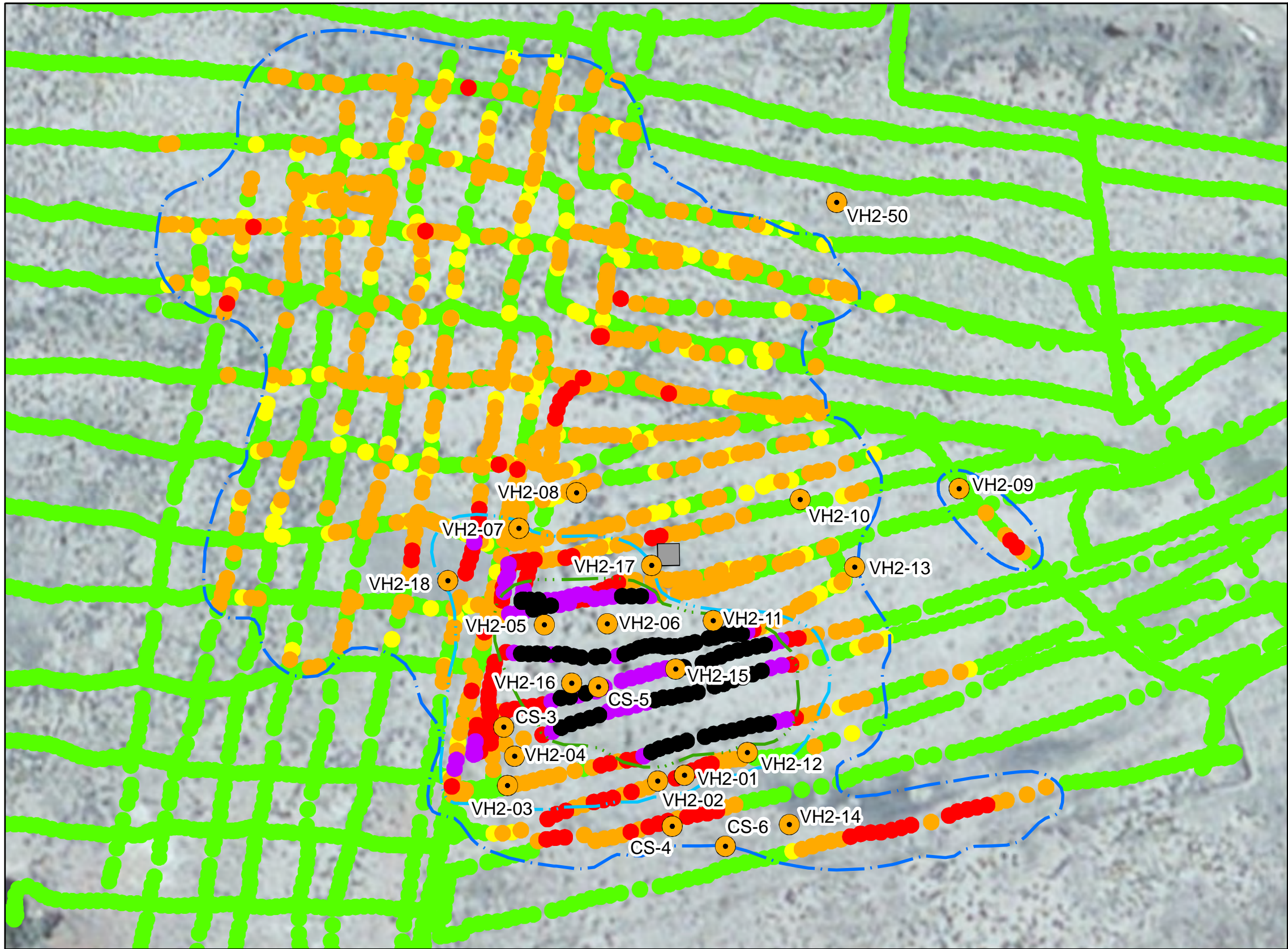
0 400  
 Scale in Feet

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**FIGURE 3**  
**VENT HOLE 2 SOIL SAMPLING LOCATIONS AND**  
**CORRELATED Ra-226 ACTIVITY CONCENTRATIONS**  
 Quivira Vent Hole Removal Site Evaluation  
 Navajo Nation, McKinley County, NM





Sample ID	Ra-226 Activity Concentration (pCi/g)	Sampling Depth (Inches)	Sample ID	Ra-226 Activity Concentration (pCi/g)	Sampling Depth (Inches)
VH2-01-A	14.35	0-2	VH2-12-B	18.93	12-18
VH2-01-A	14.09	0-2	VH2-13-A	1.97	0-2
VH2-02-A	13.19	0-2	VH2-14-A	1.79	0-2
VH2-03-A	5.62	0-2	VH2-15-A	360.12	30-36
VH2-04-A	5.72	0-2	VH2-16-A	224.21	12-18
VH2-05-A	3.46	0-2	VH2-116-A	244.85	Dup
VH2-105-A	3.20	Dup	VH2-16-B	5.49	30-36
VH2-06-A	3.54	0-2	VH2-17-A	1.81	12-18
VH2-07-A	2.43	0-2	VH2-17-B	1.64	24-30
VH2-08-A	2.64	0-2	VH2-18-A	1.80	12-18
VH2-09-A	2.84	0-2	VH2-18-B	1.67	30-36
VH2-10-A	1.49	0-2	CS-3	3.63	0-2
VH2-110-A	1.96	Dup	CS-4	2.78	0-2
VH2-11-A	2.64	0-2	CS-5	1.48	0-2
VH2-11-B	2.08	12-18	CS-6	6.84	0-2
VH2-12-A	5.94	0-2			

Notes: 1. Items in red text are above Action Level  
 2. Includes preliminary scan data from August 15, 2015 and December 7, 2015 assessment work.

**LEGEND**

- Vent Hole 2
- ▭ 1-Foot Excavation Boundary
- ▭ 2-Foot Excavation Boundary
- ▭ 3-Foot Excavation Boundary
- Soil Sample Location

**Estimated Ra-226 Concentrations Based on Correlated Gamma Activity**

- Less than 2 pCi/g
- 2 pCi/g - 2.25 pCi/g
- 2.25 pCi/g - 4 pCi/g
- 4 pCi/g - 6 pCi/g
- 6 pCi/g - 10 pCi/g
- Greater than 10 pCi/g

Probe/Detector Model: Ludlum 44-10 & Ludlum 2221  
 Probe Serial #: 18BR9 & 138346  
 pCi/g = picocurie/gram

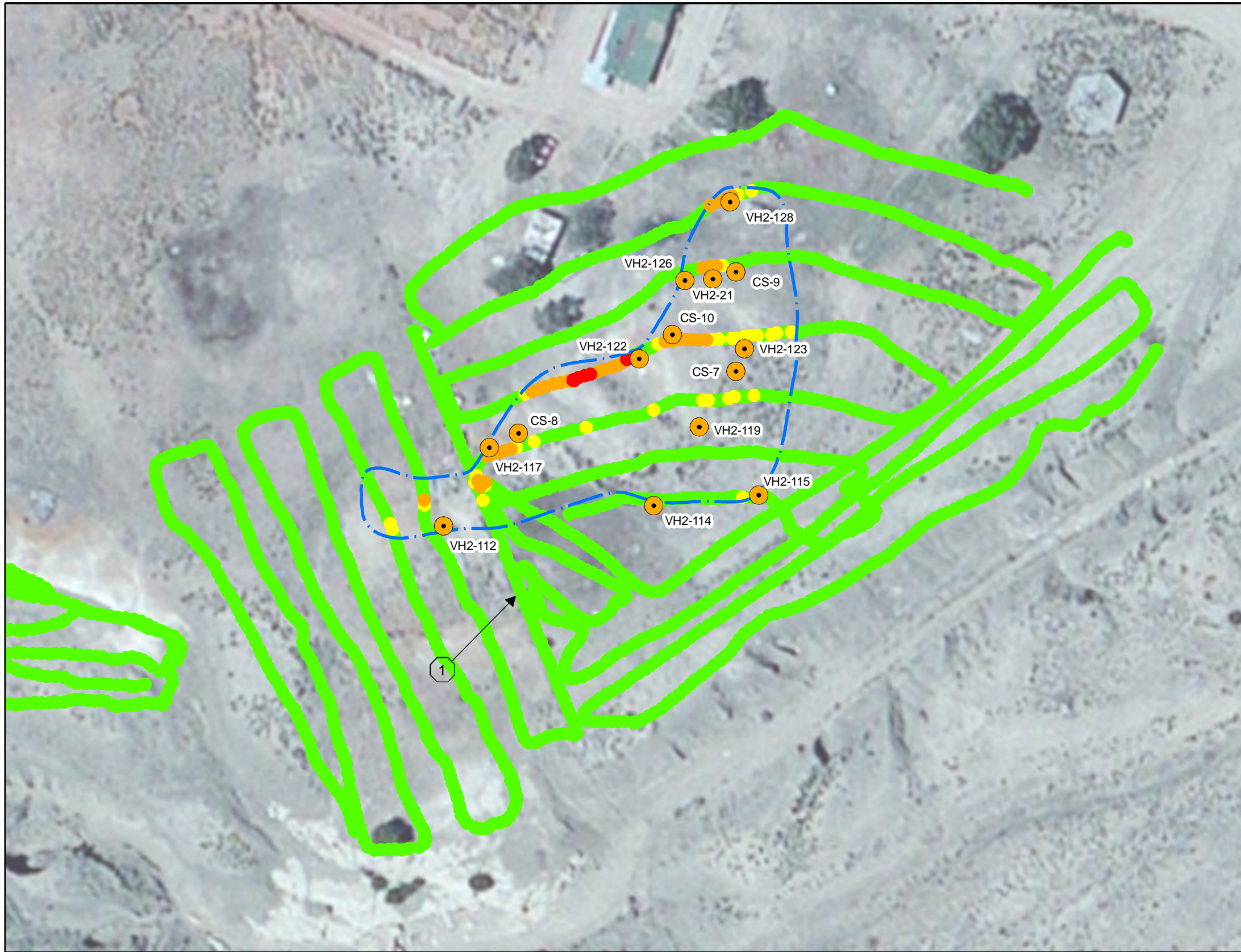
0 150  
 Scale in Feet

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**FIGURE 4**  
**VENT HOLE 2 APPROXIMATE EXCAVATION BOUNDARIES**  
 Quivira Vent Hole Removal Site Evaluation  
 Navajo Nation, McKinley County, NM





Sample ID	Ra-226 Activity Concentration (pCi/g)	Sampling Depth (Inches)	Sample ID	Ra-226 Activity Concentration (pCi/g)	Sampling Depth (Inches)
VH2-21-A	2.51	0-2	VH2-122	3.82	0-2
VH2-21-B	3.48	3-8	VH2-122-10	0.88	2-10
VH2-112	1.79	0-2	VH2-123	1.86	0-2
VH2-112	1.79	0-2	VH2-123-12	0.92	2-12
VH2-112-18	2.38	3-18	VH2-126	1.88	0-2
VH2-114	1.38	0-2	VH2-126-6	2.21	3-6
VH2-114-10	1.59	3-10	VH2-128	2.12	0-2
VH2-115	1.34	0-2	VH2-128-12	3.54	3-12
VH2-115-27	1.34	3-27	CS-7	1.71	0-2
VH2-117	1.8	0-2	CS-8	2.27	0-2
VH2-117-2	1.7	2-3	CS-9	2.44	0-2
VH2-119	1.85	0-2	CS-10	2.99	0-2
VH2-119-12	2.01	2-12			

Notes: 1. Items in red text are above Action Level  
 2. Includes scan data from December 7, 2015 assessment work.

**LEGEND**

- Soil Sample Location
- 1-Foot Excavation Boundary

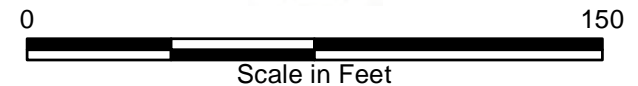
**Estimated Ra-226 Concentrations Based on Correlated Gamma Activity**

- Less than 2 pCi/g
- 2 pCi/g - 2.25 pCi/g
- 2.25 pCi/g - 4 pCi/g
- 4 pCi/g - 6 pCi/g
- 6 pCi/g - 10 pCi/g
- Greater than 10 pCi/g

Probe/Detector Model: Ludlum 2221 & Ludlum 44-10  
 Probe Serial #: 138346  
 pCi/g = picocurie/gram

**NOTES:**

- Remove and Replace Existing Fence as necessary



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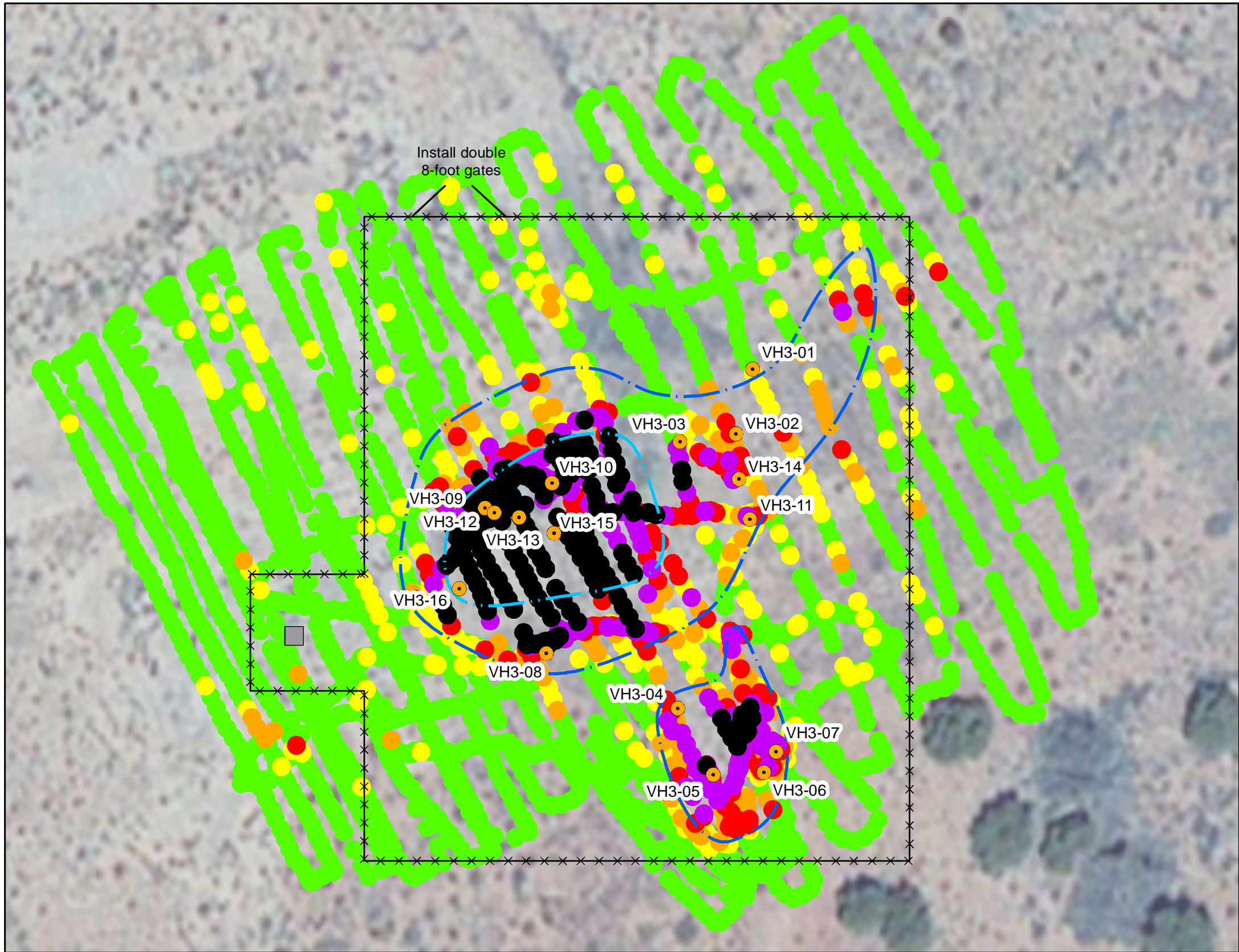


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**FIGURE 5**  
**VENT HOLE 2 RESIDENCE APPROXIMATE EXCAVATION BOUNDARY**  
 Quivira Vent Hole Removal Site Evaluation  
 Navajo Nation, McKinley County, NM





Sample ID	Ra-226 Activity Concentration (pCi/g)	Sampling Depth (Inches)	Sample ID	Ra-226 Activity Concentration (pCi/g)	Sampling Depth (Inches)
VH3-01-A	3.32	0-2	VH3-10-B	2.06	12-18
VH3-101-A	3.23	Dup	VH3-11-A	4.39	0-2
VH3-01-B	2.10	12-18	VH3-12-A	8.90	0-2
VH3-02-A	3.87	0-2	VH3-13-A	9.70	0-2
VH3-03-A	5.36	0-2	VH3-13-B	5.29	12-18
VH3-04-A	2.07	0-2	VH3-14-A	7.27	0-2
VH3-04-B	2.18	12-14	VH3-14-B	1.90	12-18
VH3-05-A	4.84	0-2	VH3-14-C	1.54	24-30
VH3-06-A	7.67	0-2	VH3-15-A	22.93	0-2
VH3-106-A	6.44	Dup	VH3-15-B	12.76	12-18
VH3-06-B	2.07	12-18	VH3-15-C	2.48	24-30
VH3-06-C	1.05	30-36	VH3-15-D	1.36	30-36
VH3-07-A	13.28	0-2	VH3-16-A	10.39	0-2
VH3-08-A	2.97	0-2	VH3-116-A	9.70	Dup
VH3-08-B	1.95	12-16	VH3-16-B	2.04	12-18
VH3-09-A	12.75	0-2	VH3-16-C	1.76	24-30
VH3-10-A	11.34	0-2			

Notes: 1. Items in red text are above Action Level  
 2. Includes scan data from December 7, 2015 assessment work.

**LEGEND**

- Vent Hole 3
- ⊠ Install Fence as Shown
- ▭ 1-Foot Excavation Boundary
- ▭ 2-Foot Excavation Boundary
- Soil Sample Location

**Estimated Ra-226 Concentrations Based on Correlated Gamma Activity**

- Less than 2 pCi/g
- 2.1 pCi/g - 2.5 pCi/g
- 2.6 pCi/g - 4 pCi/g
- 4.1 pCi/g - 6 pCi/g
- 6.1 pCi/g - 10 pCi/g
- Greater than 10 pCi/g

Probe Model: Ludlum 44-20  
 Probe Serial #: 18BR9  
 pCi/g = picocurie/gram



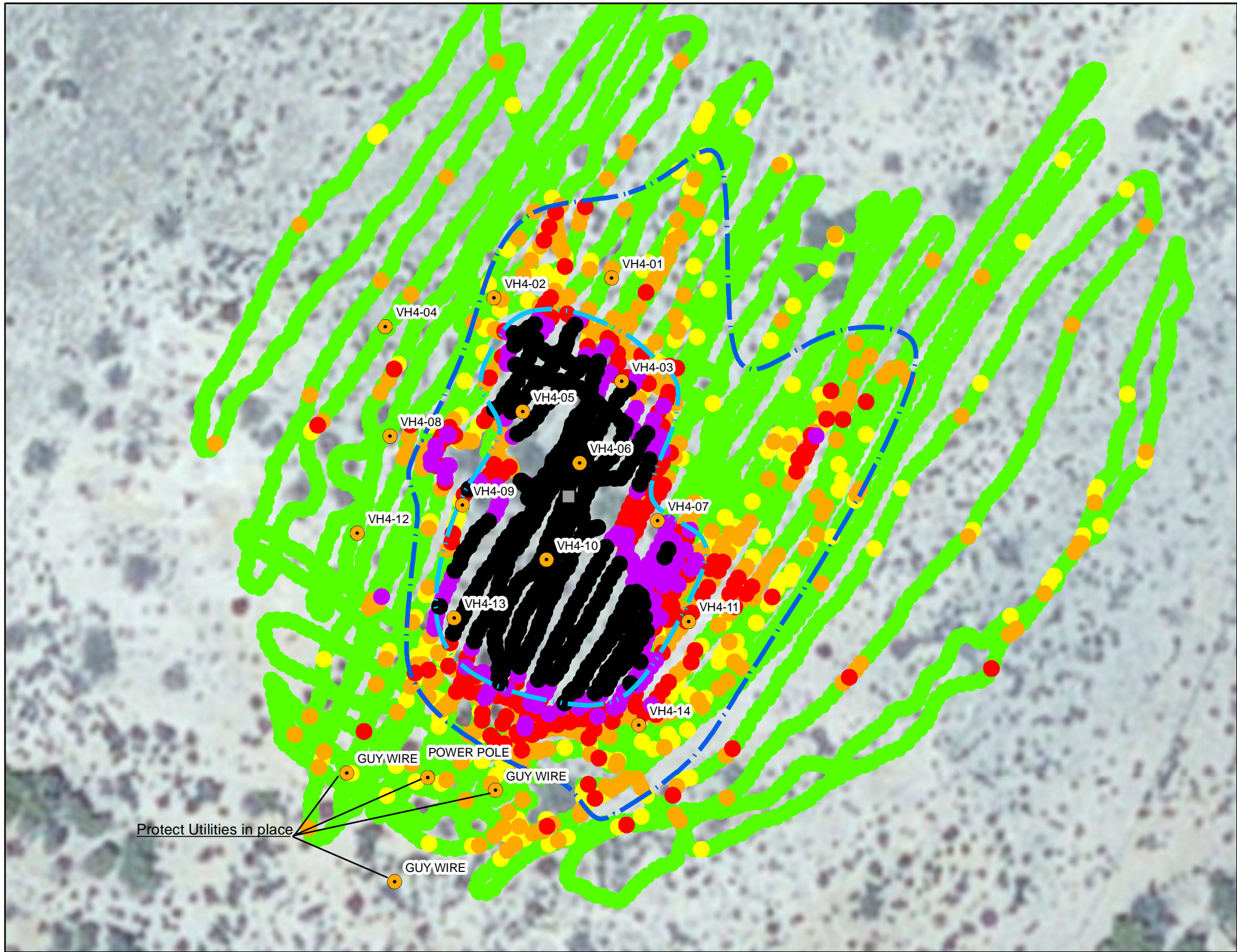
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**FIGURE 6**  
**VENT HOLE 3 APPROXIMATE EXCAVATION BOUNDARIES**  
 Quivira Vent Hole Removal Site Evaluation  
 Navajo Nation, McKinley County, NM





Sample ID	Ra-226 Activity Concentration (pCi/g)	Sampling Depth (Inches)	Sample ID	Ra-226 Activity Concentration (pCi/g)	Sampling Depth (Inches)
VH4-01-0"	1.45	0"	VH4-08-0"	1.39	0"
VH4-01-12"	1.06	12"	VH4-08-12"	0.94	12"
VH4-02-0"	1.88	0"	VH4-09-0"	1.47	0"
VH4-102-0"	1.67	DUP	VH4-09-12"	0.77	12"
VH4-02-8"	1.71	8"	VH4-10-0"	12.2	0"
VH4-03-0"	1.59	0"	VH4-10-12"	3.15	12"
VH4-03-12"	3.01	12"	VH4-10-18"	1.40	18"
VH4-04-0"	1.88	0"	VH4-11-0"	2.67	0"
VH4-04-12"	1.05	12"	VH4-11-8"	0.77	8"
VH4-05-0"	3.52	0"	VH4-12-0"	0.82	0"
VH4-05-12"	69.4	12"	VH4-12-8"	0.67	8"
VH4-05-18"	15.3	18"	VH4-13-0"	12.4	0"
VH4-06-0"	3.34	0"	VH4-13-12"	1.50	12"
VH4-06-12"	91.8	12"	VH4-113-12"	1.26	DUP
VH4-06-21"	25.5	21"	VH4-13-24"	21.1	24"
VH4-07-0"	3.75	0"	VH4-14-0"	2.78	0"
VH4-107-0"	3.03	DUP	VH4-14-8"	0.82	8"
VH4-07-12"	1.04	12"			

Notes: 1. Items in red text are above Action Level  
 2. Includes scan data from August 15, 2015 assessment work.

**LEGEND**

- Vent Hole 4
- ▭ 1-Foot Excavation Boundary
- ▭ 2-Foot Excavation Boundary
- Soil Sample Location

**Estimated Ra-226 Concentrations Based on Correlated Gamma Activity**

- Less than 2 pCi/g
- 2.1 pCi/g - 2.5 pCi/g
- 2.6 pCi/g - 4 pCi/g
- 4.1 pCi/g - 6 pCi/g
- 6.1 pCi/g - 10 pCi/g
- Greater than 10 pCi/g

Probe Model: Ludlum 44-20  
 Probe Serial #: 18BR9  
 pCi/g = picocurie/gram

**FIGURE 7**  
**VENT HOLE 4 APPROXIMATE EXCAVATION BOUNDARIES**  
 Quivira Vent Hole Removal Site Evaluation  
 Navajo Nation, McKinley County, NM



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 Walnut Creek, CA 94597

**PREPARED FOR:**  
 EPA Region 9  
 Pacific Southwest







Red Water Pond Rd.

Borrow Area

Red Water Pond Rd.



0 400  
Scale in Feet

PREPARED BY:  
Region 9, START  
Weston Solutions, Inc.  
1340 Treat Blvd, Ste 210  
Walnut Creek, CA 94597



PREPARED FOR:  
EPA Region 9  
Pacific  
Southwest



**FIGURE 8**  
**BORROW AREA**  
Quivira Vent Hole Removal Site Evaluation  
Navajo Nation, McKinley County, NM



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## TABLES

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**Table 1**  
**Summary of Removal Assessment Soil Sampling Information**

Sample Depth	Assessment Area				
	Vent Hole 1	Vent Hole 2	Vent Hole 3	Vent Hole 4	Dam Assessment Area
Surface samples (0 – 2" bgs)	5	40	15	17	7
Subsurface samples (6 – 10" bgs)	5	7	--	4	--
Subsurface samples (12 – 18" bgs)	2	20	8	12	--
Subsurface samples (18 – 24" bgs)	1	1	--	3	--
Subsurface samples (24 – 30" bgs)	--	2	3	1	--
Subsurface samples (30 – 36" bgs)	--	3	2	--	--
<b>Total Samples</b>	<b>13</b>	<b>73</b>	<b>28</b>	<b>37</b>	<b>7</b>

Notes: bgs = below ground surface

" = inches

Includes field duplicate samples.

**Table 2. Summary of NECR Background Roving Gamma Activity Scans**

<b>Sample ID</b>	<b>2x2u (cpm)</b>	<b>2x2c (cpm)</b>	<b>3x3 (cpm)</b>
<b>NUMBER OF OBSERVATIONS</b>	209	185	261
<b>MINIMUM (cpm)</b>	11,719	4,994	30,985
<b>MAXIMUM (cpm)</b>	14,480	9,208	37,895
<b>AVERAGE (cpm)</b>	13,126	7,159	33,990
<b>STANDARD DEVIATION</b>	519	717	1,217

cpm = counts per minute

2x2u = A Ludlum Model 2221 meter coupled with a Model 44-10 sodium iodide gamma scintillator detector (2x2)

2x2c = A Ludlum Model 2221 meter coupled with a collimated 2x2

3x3 = A Ludlum Model 2221 meter coupled with a Model 44-20 sodium iodide gamma scintillator detector (3x3)

**Table 3.**  
**Summary of Soil Sample Results for Ra-226**  
**Vent Hole 1 Assessment Area**

Sample ID	Depth (bgs)	Ra-226 (pCi/g)
VH-01-02in	0 - 2"	<b>5.83</b>
VH-01-6in-10in	6 - 10"	<b>4.27</b>
VH-01-18in-24in	18 - 24"	0.80
VH-02-02in	0 - 2"	1.21
VH-02-6in-10in	6 - 10"	0.68
VH-02-12in-18in	12 - 18"	1.07
VH-03-02in	0 - 2"	<b>2.52</b>
VH-03-6in-10in	6 - 10"	<b>15.60</b>
VH-103-6in-10in	6 - 10"	<b>9.95</b>
VH-04-02in	0 - 2"	<b>13.00</b>
VH-04-6in-10in	6 - 10"	0.54
VH-104-6in-10in	6 - 10"	0.66
VH-05-02in	0 - 2"	1.62
VH-05-6in-10in	6 - 10"	0.48
VH-05-12in-18in	12 - 18"	0.67

bgs = below ground surface

pCi/g = picocuries per gram

Soil samples analyzed for Ra-226 by the LANL ER Method.

**Bold** Ra-226 values are above the established screening level of 2.0 pCi/g.



**Table 4.**  
**Summary of Soil Sample Results for Ra-226**  
**Vent Hole 2 Assessment Area**

Sample ID	Depth (bgs)	Ra-226 (pCi/g)
VH2-01-A	0 - 2"	14.3
VH2-02-A	0 - 2"	13.2
VH2-03-A	0 - 2"	5.62
VH2-04-A	0 - 2"	5.72
VH2-05-A	0 - 2"	3.46
VH2-105-A	0 - 2"	3.20
VH2-06-A	0 - 2"	3.54
VH2-07-A	0 - 2"	2.43
VH2-08-A	0 - 2"	2.64
VH2-09-A	0 - 2"	2.84
VH2-10-A	0 - 2"	1.49
VH2-110-A	0 - 2"	1.96
VH2-11-A	0 - 2"	2.64
VH2-11-B	12 - 18"	2.17
VH2-12-A	0 - 2"	5.94
VH2-12-B	12 - 18"	18.93
VH2-13-A	0 - 2"	1.97
VH2-14-A	0 - 2"	1.79
VH2-15-B	30 - 36"	360
VH2-16-B	12 - 18"	224
VH2-116-B	12 - 18"	245
VH2-16-C	30 - 36"	5.49
VH2-17-B	12 - 18"	1.81
VH2-17-C	24 - 30"	1.64
VH2-18-B	12 - 18"	1.80
VH2-18-C	30 - 36"	1.67
VH2-19-A	0 - 2"	1.16
VH2-19-B	3 - 12"	1.53
VH2-20-A	0 - 2"	1.42
VH2-20-B	3 - 12"	1.18
VH2-21-A	0 - 2"	2.51
VH2-21-B	3 - 8"	3.48
VH2-28	0 - 2"	1.47
VH2-28	0 - 2"	1.32
VH2-28-12"	12 - 18"	1.92

**Table 4.**  
**Summary of Soil Sample Results for Ra-226**  
**Vent Hole 2 Assessment Area**

Sample ID	Depth (bgs)	Ra-226 (pCi/g)
VH2-50	0 - 2"	1.38
VH2-50-12"	12 - 18"	0.98
VH2-67	0 - 2"	1.05
VH2-67-12"	12 - 18"	1.20
VH2-167-12"	12 - 18"	1.43
VH2-78	0 - 2"	1.27
VH2-78-12"	12 - 18"	1.42
VH2-80	0 - 2"	1.35
VH2-80-12"	12 - 18"	1.42
VH2-90	0 - 2"	1.05
VH2-90-12"	12 - 18"	1.20
VH2-95	0 - 2"	1.54
VH2-95-12"	12 - 18"	1.46
VH2-97	0 - 2"	1.40
VH2-97-8"	6 - 10"	0.98
VH2-101	0 - 2"	1.24
VH2-101-8"	6 - 10"	1.28
VH2-112	0 - 2"	1.79
VH2-112	0 - 2"	1.79
VH2-112-18"	18 - 24"	<b>2.38</b>
VH2-114	0 - 2"	1.38
VH2-114-10"	6 - 10"	1.59
VH2-115	0 - 2"	1.34
VH2-115-27"	24 - 30"	1.34
VH2-117	0 - 2"	1.80
VH2-117-2"	0 - 2"	1.70
VH2-119	0 - 2"	1.85
VH2-119-12"	12 - 18"	<b>2.01</b>
VH2-122	0 - 2"	<b>3.82</b>
VH2-122-10"	12 - 18"	0.88
VH2-123	0 - 2"	1.86
VH2-123-12"	12 - 18"	0.93
VH2-1123-12"	12 - 18"	0.68
VH2-126	0 - 2"	1.88
VH2-126-6"	6 - 10"	<b>2.21</b>

**Table 4.**  
**Summary of Soil Sample Results for Ra-226**  
**Vent Hole 2 Assessment Area**

Sample ID	Depth (bgs)	Ra-226 (pCi/g)
VH2-128	0 - 2"	<b>2.12</b>
VH2-128-12"	12 - 18"	<b>3.54</b>
VH2-1128-12"	12 - 18"	<b>4.17</b>

bgs = below ground surface                      pCi/g = picocuries per gram

Soil samples analyzed for Ra-226 by the LANL ER Method.

**Bold** Ra-226 values are above the established screening level of 2.0 pCi/g.

**Table 5.**  
**Summary of Soil Sample Results for Ra-226**  
**Vent Hole 3 Assessment Area**

Sample ID	Depth (bgs)	Ra-226 (pCi/g)
VH3-01-A	0 - 2"	<b>3.32</b>
VH3-101-A	0 - 2"	<b>3.23</b>
VH3-01-B	12 - 18"	<b>2.10</b>
VH3-02-A	0 - 2"	<b>3.87</b>
VH3-03-A	0 - 2"	<b>5.36</b>
VH3-04-A	0 - 2"	<b>2.07</b>
VH3-04-B	24 - 30"	<b>2.18</b>
VH3-05-A	0 - 2"	<b>4.84</b>
VH3-06-A	0 - 2"	<b>7.67</b>
VH3-106-A	0 - 2"	<b>6.44</b>
VH3-06-B	12 - 18"	<b>2.07</b>
VH3-06-C	30 - 36"	1.05
VH3-07-A	0 - 2"	<b>13.28</b>
VH3-08-A	0 - 2"	<b>2.97</b>
VH3-08-B	12 - 16"	1.95
VH3-09-A	0 - 2"	<b>12.75</b>
VH3-10-A	0 - 2"	<b>11.34</b>
VH3-10-B	12 - 18"	<b>2.06</b>
VH3-11-A	0 - 2"	<b>4.39</b>
VH3-12-A	0 - 2"	<b>8.90</b>
VH3-13-A	0 - 2"	<b>9.70</b>
VH3-13-B	12 - 18"	<b>5.29</b>
VH3-14-A	0 - 2"	<b>7.27</b>
VH3-14-B	12 - 18"	1.90
VH3-14-C	24 - 30"	1.54
VH3-15-A	0 - 2"	<b>22.93</b>
VH3-15-B	12 - 18"	<b>12.76</b>
VH3-15-C	24 - 30"	<b>2.48</b>
VH3-15-D	30 - 36"	1.36
VH3-16-A	0 - 6"	<b>10.39</b>
VH3-116-A	0 - 2"	<b>9.70</b>
VH3-16-B	12 - 18"	<b>2.04</b>
VH3-16-C	24 - 30"	1.76

bgs = below ground surface

pCi/g = picocuries per gram

Soil samples analyzed for Ra-226 by the LANL ER Method.

**Bold** Ra-226 values are above the established screening level of 2.0 pCi/g.

**Table 6**  
**Summary of Metals Analytical Data - Vent Hole 4 Assessment Area**  
**Quivira Mines Sites**  
**Navajo Nation, McKinley County, New Mexico**

Analyte	EPA Screening Levels	NMED Screening Levels	VH4-01-0"	VH4-01-12"	VH4-02-0"	VH4-102-0"	VH4-02-8"	VH4-03-0"
			0 ft bgs	1 ft bgs	0 ft bgs	0 ft bgs	0.67 ft bgs	0 ft bgs
<b>Metals (mg/kg)</b>								
Arsenic	0.68	4.25	3J	2.9J	4.2J	4.3J	5.7J	4J
Barium	15000	15600	57	72	66	71	87	52
Cadmium	71	70.5	0.29	0.29	0.32	0.29	0.31	0.29
Chromium	120000	117000	5.5J	8.6	6.1J	5.7J	17	3.6J
Lead	400	400	15	15	21	22	27	17
Magnesium	NL	NL	1600F1	1600	2000	2100	2600	1300
Molybdenum	390	391	1.3	1.3	1.5	1.3	1.4	1.3
Selenium	390	391	2.2J	3.1J	2	2.5J	1.9J	1.8
Silver	390	391	0.6	0.61	0.66	0.59	0.63	0.6
Uranium	230	234	24F1	24	27	24	26	24
Vanadium	390	394	12J	16J	13J	13J	17J	14J

Analyte	EPA Screening Levels	NMED Screening Levels	VH4-03-12"	VH4-04-0"	VH4-04-12"	VH4-05-0"	VH4-05-12"	VH4-05-18"
			1 ft bgs	0 ft bgs	1 ft bgs	0 ft bgs	1 ft bgs	1.5 ft bgs
<b>Metals (mg/kg)</b>								
Arsenic	0.68	4.25	5J	3J	3.2J	5J	3.1J	17
Barium	15000	15600	64	96	44J	75	85	57
Cadmium	71	70.5	0.29	0.3	0.3	0.3	0.32	0.32
Chromium	120000	117000	4.9J	4.2J	14	11	3.4J	35
Lead	400	400	23	20	14	47	35	18
Magnesium	NL	NL	1500	3400	2100	2100	1800F1	1000
Molybdenum	390	391	1.3J	1.4	1.4	1.3	1.5	1.5
Selenium	390	391	1.8	1.8	1.8	1.8	30B	4.8J B
Silver	390	391	0.6	0.62	0.63	0.61	0.67	0.66
Uranium	230	234	64J	25	25	25	82J B	48J B
Vanadium	390	394	13J	8.5J	15J	14J	57	15J

Analyte	EPA Screening Levels	NMED Screening Levels	VH4-06-0"	VH4-06-12"	VH4-06-21"	VH4-07-0"	VH4-107-0"	VH4-07-12"
			0 ft bgs	1 ft bgs	1.75 ft bgs	0 ft bgs	0 ft bgs	1 ft bgs
<b>Metals (mg/kg)</b>								
Arsenic	0.68	4.25	4.8J	2.3	3.2	4.2J	3.5J	11
Barium	15000	15600	55	110	45	77	66	68
Cadmium	71	70.5	0.3	0.33	0.058	0.31	0.29	0.064
Chromium	120000	117000	5.8J	4J	15	7.1J	6.7J	8.9
Lead	400	400	21	14	12	24	25	12
Magnesium	NL	NL	1600	2200	960	2300	2000	790
Molybdenum	390	391	1.4	1.5J	0.84J	1.4	1.3	0.29
Selenium	390	391	1.8	40B	7.5B	2.3J	2.2J	0.39
Silver	390	391	0.62	0.67	0.12	0.63	0.59	0.13
Uranium	230	234	28J	150J B	46J B	26	35J	5.3
Vanadium	390	394	12J	61	16	14J	13J	9.5

**Table 6**  
**Summary of Metals Analytical Data - Vent Hole 4 Assessment Area**  
**Quivira Mines Sites**  
**Navajo Nation, McKinley County, New Mexico**

Analyte	EPA Screening Levels	NMED Screening Levels	VH4-08-0"	VH4-08-12"	VH4-09-0"	VH4-09-12"	VH4-10-0"	VH4-10-12"
			0 ft bgs	1 ft bgs	0 ft bgs	1 ft bgs	0 ft bgs	1 ft bgs
<b>Metals (mg/kg)</b>								
Arsenic	0.68	4.25	1.8J	3.6J	2.1	1.2J	5.3J	<b>7J</b>
Barium	15000	15600	36	150	32	20	110	58
Cadmium	71	70.5	0.066	<0.35	0.059	0.059	0.29	0.3
Chromium	120000	117000	3.8	5.2J	3.3	7.5	5.9J	7.4J
Lead	400	400	9.7	7.6J	11	5	16	35
Magnesium	NL	NL	920	1600	830	720	2000	1700
Molybdenum	390	391	0.3	1.4	0.27	0.27	1.3	1.4
Selenium	390	391	0.4	<2.1	0.36	0.36	4.7J	1.8
Silver	390	391	0.14	<0.73	0.12	0.12	0.6	0.62
Uranium	230	234	5.5	33J	4.9	4.9	31J	25
Vanadium	390	394	8.1J	11J	7.1J	8.4J	17J	15J

Analyte	EPA Screening Levels	NMED Screening Levels	VH4-10-18"	VH4-11-0"	VH4-11-8"	VH4-12-0"	VH4-12-8"	VH4-13-0"
			1.5 ft bgs	0 ft bgs	0.67 ft bgs	0 ft bgs	0.67 ft bgs	0 ft bgs
<b>Metals (mg/kg)</b>								
Arsenic	0.68	4.25	5.8J	6.5J	8.3	2.2	1.7J	4.3J
Barium	15000	15600	72	83	21	24	28	61
Cadmium	71	70.5	0.32	0.32	0.064	0.065	0.066	0.31
Chromium	120000	117000	9.1J	7.6J	9.2	3.1	20	6.8J
Lead	400	400	24	18	9.8	8.3	8	19
Magnesium	NL	NL	1800	2200	360	720	960	1700
Molybdenum	390	391	1.5	1.5	0.29	0.29	0.3	1.4
Selenium	390	391	2	2.3J	0.39	0.39	0.4	5.1J
Silver	390	391	0.66	0.67	0.13	0.13	0.14	0.63
Uranium	230	234	32J B	36J	5.3	5.4	5.5	31J
Vanadium	390	394	16J	15J	4.9J	8.5J	13	23J

Analyte	EPA Screening Levels	NMED Screening Levels	VH4-113-12"	VH4-13-12"	VH4-13-24"	VH4-14-0"	VH4-14-8"	
			1 ft bgs	1 ft bgs	2 ft bgs	0 ft bgs	0.67 ft bgs	
<b>Metals (mg/kg)</b>								
Arsenic	0.68	4.25	9.8	9.7	12	4J	1.7J	
Barium	15000	15600	44	39J	65	68	45	
Cadmium	71	70.5	0.29	0.32	0.31	0.29	0.064	
Chromium	120000	117000	7.9J	7.9J	19	7.7J	33	
Lead	400	400	14	15	17	25	9.3	
Magnesium	NL	NL	1000	1100	1800	2200	1000	
Molybdenum	390	391	1.3	1.5	1.4	1.3	0.32J	
Selenium	390	391	1.7	2	1.9	4.1J	0.39	
Silver	390	391	0.59	0.66	0.63	0.6	0.13	
Uranium	230	234	54J B	59J B	41J B	24	5.4	
Vanadium	390	394	9.9J	12J	29J	15J	7.7J	

**Table 6**  
**Summary of Metals Analytical Data - Vent Hole 4 Assessment Area**  
**Quivira Mines Sites**  
**Navajo Nation, McKinley County, New Mexico**

Metals by EPA Methods 6010B and 6020A

mg/kg = milligrams per kilogram

ft bgs = feet below ground surface

J = Analyte positively identified above the laboratory detection limit but below the laboratory reporting limit

F1=MS and or MSD Recovery is outside acceptable limit

B=Compound was found in the blank and the sample

All samples were taken August 13, 2015

EPA Screening Level are regional screening levels set by the EPA for Resident Soil when the TR=1E-06 and the TH=1.0 (<https://semspub.epa.gov/work/03/2229085.pdf>)

The EPA screening levels correspond to the noncarcinogenic screening levels hazard index except in the case of arsenic, which use the carcinogenic screening level

NMED Screening Level are screening levels set by the New Mexico Environmental Department (NMED) for Residential Soil in July 2015 (<https://www.env.nm.gov/HWB/guidance.html>)

The NMED screening levels correspond to the noncarcinogenic hazard except in the case of arsenic, which corresponds to the carcinogenic hazard

**Table 7.**  
**Summary of Soil Sample Results for Ra-226**  
**Vent Hole 4 Assessment Area**

Sample ID	Depth (bgs)	Ra-226 (pCi/g)
VH4-01-0"	0 - 2"	1.45
VH4-01-0"	0 - 2"	1.70
VH4-01-12"	12 - 18"	1.06
VH4-02-0"	0 - 2"	1.88
VH4-02-8"	6 - 10"	1.71
VH4-03-0"	0 - 2"	1.59
VH4-03-12"	12 - 18"	<b>3.01</b>
VH4-04-0"	0 - 2"	1.88
VH4-04-12"	12 - 18"	1.05
VH4-05-0"	0 - 2"	<b>3.51</b>
VH4-05-12"	12 - 18"	<b>69.40</b>
VH4-05-18"	18 - 24"	<b>15.30</b>
VH4-06-0"	0 - 2"	<b>3.34</b>
VH4-06-12"	12 - 18"	<b>91.80</b>
VH4-06-21"	18 - 24"	<b>25.50</b>
VH4-07-0"	0 - 2"	<b>3.75</b>
VH4-07-12"	12 - 18"	1.04
VH4-07-12"	12 - 18"	1.29
VH4-08-0"	0 - 2"	1.39
VH4-08-12"	12 - 18"	0.94
VH4-09-0"	0 - 2"	1.47
VH4-09-12"	12 - 18"	0.77
VH4-10-0"	0 - 2"	<b>12.20</b>
VH4-10-12"	12 - 18"	<b>3.15</b>
VH4-10-18"	18 - 24"	1.40
VH4-102-0"	0 - 2"	1.67
VH4-107-0"	0 - 2"	<b>3.03</b>
VH4-11-0"	0 - 2"	<b>2.67</b>
VH4-113-12"	12 - 18"	1.26
VH4-11-8"	6 - 10"	0.74
VH4-12-0"	0 - 2"	0.82
VH4-12-8"	6 - 10"	0.67
VH4-13-0"	0 - 2"	<b>12.40</b>
VH4-13-12"	12 - 18"	1.50
VH4-13-24"	24 - 30"	<b>2.12</b>
VH4-14-0"	0 - 2"	<b>2.76</b>
VH4-14-8"	6 - 10"	0.82

bgs = below ground surface

pCi/g = picocuries per gram

Soil samples analyzed for Ra-226 by the LANL ER Method.

**Bold** Ra-226 values are above the established screening level of 2.0 pCi/g.



**Table 7.**  
**Summary of Soil Sample Results for Ra-226**  
**Dam Assessment Area**

Sample ID	Depth (bgs)	Ra-226 (pCi/g)
DAM-01	0 - 2"	1.02
DAM-02	0 - 2"	0.93
DAM-03	0 - 2"	0.64
DAM-103	0 - 2"	0.92
DAM-04	0 - 2"	1.21
DAM-05	0 - 2"	1.21
DAM-06	0 - 2"	0.91

bgs = below ground surface

pCi/g = picocuries per gram

Soil samples analyzed for Ra-226 by the LANL ER Method.

**Bold** Ra-226 values are above the established screening level of 2.0 pCi/g.

**Table 9**  
**Summary of Metals Analytical Data for Dam Assessment Area**  
**Quivira Mines Sites**  
**Navajo Nation, McKinley County, New Mexico**

Analyte	EPA Screening Levels	NMED Screening Levels	DAM-01	DAM-02	DAM-03	DAM-103	DAM-04	DAM-05
			0-2 in bgs	0-2 in bgs	0-2 in bgs	0-2 in bgs	0-2 in bgs	0-2 in bgs
			9/29/2015	9/29/2015	9/29/2015	9/29/2015	9/29/2015	9/29/2015
<b>Metals (mg/kg)</b>								
Arsenic	0.68	4.25	5.4J	4.4J	4J	4.6J	4.3J	5.7J
Barium	15000	15600	110	210	120	130	130	140
Cadmium	71	70.5	0.29	0.64J	0.3	0.31	0.32	0.31
Chromium	120000	117000	4.7J B	5.9J B	5.3J B	6.5J B	4.7J B	6.2J B
Lead	400	400	10	8.7J	8J	9.1J	11	13
Magnesium	NL	NL	1500	3100	1500	1600	1600F1	1800
Molybdenum	390	391	1.3	1.4	1.4	1.4	1.5	1.4
Selenium	390	391	1.8	1.9	1.8	1.9	2	1.9
Silver	390	391	0.6	0.74J B	0.89J B	0.64	0.66	1.2J B
Uranium	230	234	24	26	25	26	27F1	26
Vanadium	390	394	17J	15J	14J	12J	15J	17J
<b>Metals (mg/kg)</b>								
Analyte	EPA Screening Levels	NMED Screening Levels	DAM-06	VH2-19-A	VH2-19-B	VH2-20-A	VH2-20-B	VH2-21-A
			0-2 in bgs	0-2 in bgs	0-2 in bgs	0-2 in bgs	0-2 in bgs	0-2 in bgs
			9/29/2015	9/30/2015	9/30/2015	9/30/2015	9/30/2015	10/1/2015
<b>Metals (mg/kg)</b>								
Arsenic	0.68	4.25	4.9J	5.5J	7J	3.3J	4.2J	4.7J
Barium	15000	15600	140	140	150	150	160	97
Cadmium	71	70.5	0.3	0.32	0.29	0.31	0.33	0.3
Chromium	120000	117000	6.1J B	5J B	7.1J B	6J B	6.5J B	7J B
Lead	400	400	11	13	14	12	12	14
Magnesium	NL	NL	1500	2100	2400	1900	2000	560J
Molybdenum	390	391	1.4	1.5	1.3	1.4	1.5	2.8J
Selenium	390	391	1.8	2	1.8	1.9	2	1.8
Silver	390	391	0.88J B	1.1J B	0.87J B	0.63	0.68J B	0.63
Uranium	230	234	25	27	25	26	28	25
Vanadium	390	394	15J	17J	21J	19J	19J	20J

**Table 9**  
**Summary of Metals Analytical Data for Dam Assessment Area**  
**Quivira Mines Sites**  
**Navajo Nation, McKinley County, New Mexico**

Analyte	EPA Screening Levels	NMED Screening Levels	VH2-21-B				
			0-2 in bgs				
			10/1/2015				
<b>Metals (mg/kg)</b>							
Arsenic	0.68	4.25	6.5J				
Barium	15000	15600	89				
Cadmium	71	70.5	0.29				
Chromium	120000	117000	23B				
Lead	400	400	23				
Magnesium	NL	NL	740J				
Molybdenum	390	391	4.1J				
Selenium	390	391	1.7				
Silver	390	391	0.59				
Uranium	230	234	24				
Vanadium	390	394	96				

Metals by EPA Methods 6010B and 6020A

mg/kg = milligrams per kilogram

in bgs = inches below ground surface

J = Analyte positively identified above the laboratory detection limit but below the laboratory reporting limit

F1=MS and or MSD Recovery is outside acceptable limit

B=Compound was found in the blank and the sample

**Table 10**  
**Estimated Excavation Volumes at Vent**  
**Holes 1 through 4, Quivira Mine Site,**  
**Navajo Nation, McKinley County New**  
**Mexico**

Area	Approximate Area (ft <sup>2</sup> )	Volume with 3 foot cut (CY)
VH1	23,208	1,137
VH2	75,568	3,532
VH3	14,908	552
VH4	24,339	1,235
<b>TOTAL</b>	<b>138,023</b>	<b>6,456</b>

Notes:

1. Excavation volumes are "in-place" and do not include a soil expansion factor for excavated material. Excavated volumes will likely be 10-15% greater.

VH= Vent Hole; ft<sup>2</sup> = square feet; CY = Cubic Yards

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**APPENDIX A**  
**CALCULATION OF SITE-SPECIFIC ACTION LEVEL**

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## HUMAN HEALTH AND ECOLOGICAL RISK EVALUATION

Ra-226 has been identified as a human health contaminant of potential concern (COPC) at the Quivira Mines to be addressed as part of cleanup actions. Radium is formed when uranium and thorium undergo natural decay in the environment. During the decay processes, alpha, beta, and gamma radiation are released. Results of Site investigations have indicated the need for a response action to control releases and prevent human exposure to radiation at the Site. Table C-1 summarizes the radionuclide analytical results (Ra-226) and the human health risks associated with Ra-226 at the Quivira Mines, assuming no action is taken. Note that the risk estimates presented in Table C-1 also include contribution of background levels of Ra-226 (mean concentration of 1 pCi/g; MWH, 2006). The estimated cancer risk associated with some of the waste soil currently stored at Quivira CR-1 and Quivira CR-1E exceeds the EPA residential preliminary remediation goal, and therefore it is anticipated that action will be taken to reduce the human health risk. Several other non-radionuclide chemicals were also identified as COPCs: arsenic, selenium, uranium, and vanadium (Table C-2). Tables C-3 and C-4 summarize human health risk associated with these non-radionuclide COPCs. Tables C-5 and C-6 present the results of an ecological risk assessment for the Quivira Mines.

The following sections describe the risk assessment process. Based on this evaluation it is concluded that Site actions are required to address radiological human health risks at the Quivira Mine Site, and that actions taken to address radionuclides will be protective for non-radionuclide chemical exposure and for exposure of ecological receptors.

### 1. Analytical Data Used in Risk Assessment Calculations

Analytical results of soil samples collected during the interim removal action at Quivira CR-1 and Quivira CR-1E (SENES, 2011) served as input data for the human health and ecological risk assessments. These samples were analyzed for Ra-226, and some samples were also analyzed for volatile organic compounds, semi-volatile organic compounds, petroleum hydrocarbons, polychlorinated biphenyls, and metals (arsenic, molybdenum, selenium, and vanadium). In addition, results of 35 soil samples collected from Quivira Vent Hole 4 (WESTON, 2016) were used to supplement the characterization data from Quivira CR-1 and Quivira CR-1E, and were

incorporated into a single data set representative of the Quivira Mine Site. The waste sampled at Quivira Vent Hole 4 (located between Quivira CR-1 and Quivira CR-1E) was originally generated during drilling of the vent hole; this waste is considered to be representative of soils within the geologic formation from which waste rock present at Quivira CR-1 and Quivira CR-1E was derived, and thus is representative of metals concentrations associated with these wastes (an assumption supported by the fact that radiological results associated with the Quivira Vent Hole 4 samples are similar to those from Quivira CR-1 and Quivira CR-1E). Metals data from Quivira Vent Hole 4 included arsenic, barium, cadmium, chromium, lead, magnesium, molybdenum, selenium, silver, uranium, and vanadium. Radiological data associated with Quivira Vent Hole 4 are also included in the risk assessment process. The analytical results used in the evaluations are summarized in Tables C-1 and C-2.

## **2. Screening to Identify Contaminants of Potential Concern**

The non-radionuclide sampling results were screened against the EPA Regional Screening Levels (RSLs) (<https://semspub.epa.gov/work/03/2220581.pdf>) and the local background concentrations to identify non-radionuclide COPCs. Table C-2 summarizes this screening process, showing contaminants that were considered, the minimum and maximum concentrations, RSLs, and background levels, and either identifies each contaminant as a COPC or explains why it was screened from consideration. Arsenic, selenium, uranium, and vanadium were identified as non-radionuclide COPCs in surface soils.

The Quivira Mines are located approximately one mile from the UNC NECR Mine and are in the same geological setting. Thus, background levels developed for the NECR Mine (Montgomery Watson Harza, 2006) were considered applicable to the Quivira Mines. Background levels were not available for barium, cadmium, chromium, lead, magnesium, and silver; background levels for these metals were obtained from literature values for the Western United States (Shacklette and Boernren, 1984). These background levels are also considered in the risk evaluation. Background information is important to risk managers because the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) program, generally, does not clean up to concentrations below natural or anthropogenic background levels (EPA, 2002).

As shown in Table C-2, diesel range organics were analyzed and detected in ten samples. The diesel range organic concentration in one sample at Quivira CR-1E was 1,300 mg/kg; however, the duplicate sample from that location had 3.6 mg/kg. The Navajo Nation Environmental Protection Agency (NNEPA) has a proposed cleanup standard of 500 mg/kg for diesel (see <http://navajonationepa.org/main/images/pdf/CleanUp%20Standards%20AND%20Storage%20Tank%20Act%202012.pdf>). This is based on a nuisance odor effect and not on a health-based effect. No other sample locations had results close to the limit. Diesel range organics were screened as less than RSLs, as shown in Table C-2, and were not carried forward as a COPC. However, if any diesel contaminated soil is encountered or suspected during cleanup operations, the soil will be tested and addressed in consultation with NNEPA.

As shown in Table C-2, arsenic, selenium, uranium, and vanadium were identified as non-radionuclide COPCs in surface soils. No non-radionuclide COPCs were identified in soils greater than 2 feet in depth.

### **3. Streamlined Human Health Risk Assessment**

The results of the streamlined human health risk assessment are summarized in Table C-1 for radionuclides. For non-radionuclide COPCs, the results are presented in Table C-3 (based on maximum concentrations) and Table C-4 (based on 95UCL concentrations). Key assumptions used in the human health risk screening are described below.

While the current use of the Site is open space, a residential land use scenario was developed to incorporate an unrestricted tribal use scenario that may include future subsistence and cultural/spiritual uses of the resources at the Site. Residential use assumes substantial soil exposure (especially for children) and long-term exposure. The residential receptor is assumed to spend most, if not all, of the day at home except for the hours spent at work. The activities for this receptor involve typical home making chores such as cooking, cleaning, and laundering and outside activities such as playing, gardening, and livestock herding.

The resident is assumed to be exposed to radiological contaminants via the following pathways: incidental ingestion of soil, external radiation from contaminants in soil, and inhalation of fugitive dust. The resident is assumed to be exposed to chemical contaminants via the following



pathways: incidental ingestion of soil, dermal contact with soil and dusts, and inhalation of dust (EPA, 2016). Navajo tribal practices have the potential for more intensive contact with natural resources than a standard residential lifestyle. Navajo residents graze cattle and sheep in the area of the Site and consume these animals. Navajo traditionally harvest a few crops and some medicinal herbs. Consumption of homegrown produce and meat exposure is thus also considered for the residential receptor.

Table C-1 presents the results of the streamlined human health risk assessment for radionuclides. For radium, the default EPA (2016) preliminary remediation goals (PRGs) for residential exposure to Ra-226+D and Ra-228+D were used to screen risks from maximum concentrations of these radionuclides at the Quivira CR-1, Quivira CR1-E, and Quivira Vent Hole 4 areas. These default risk-based screening levels consider soil incidental ingestion, external radiation from contaminants in soil, inhalation of fugitive dust, and consumption of homegrown produce, but do not consider the consumption of meat.

Tables C-3 and C-4 present the results of the streamlined human health risk assessment for non-radionuclide chemicals. For these chemicals, the EPA RSL calculator ([https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl\\_search](https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search)) was used to develop risk-based screening levels for residential exposure from soil incidental ingestion, dermal contact, and inhalation of particulates (details are included in Attachment 1). In addition, screening levels for chemicals were developed for the home grown produce and meat exposure pathway for metals (details are included in Attachment 2). The RSL calculators use a number of conservative default assumptions to derive the screening level value. Literature sources were reviewed to develop conservative assumptions for calculating soil screening levels protective of consumption of produce and meat. These assumptions are described below.

- Residents were assumed to live on top of the waste for 6 years as a child and 20 years as an adult, for 350 days each year (EPA, 2014).
- Average body weights of 80 kilograms for an adult and 15 kilograms for a child were assumed over the exposure period (EPA, 2014).
- Exposed skin surface areas of 6,032 square centimeters for an adult and 2,373 square centimeters for a child were assumed (EPA, 2014).

- Soil ingestion rates of 100 milligrams per day (mg/day) for an adult and 200 mg/day for a child were assumed.
- Inhalation of chemicals adsorbed to respirable particles (particles less than or equal to 10 micrometers in diameter) was assessed using a default particulate emission factor (PEF) equal to  $3.87 \times 10^9$  cubic meters per kilogram. The default PEF was derived using default values adjusted to apply the climate zone for Albuquerque, New Mexico and a 12-acre source size (based on approximate acreage of all areas of the site). The PEF equation relates the contaminant concentration in soil with the concentration of respirable particles in the air due to fugitive dust emissions from contaminated soils. The relationship is derived by Cowherd, et al. (Cowherd, 1985; as cited by EPA, 2015) for a rapid assessment procedure applicable to a typical hazardous waste site, where the surface contamination provides a relatively continuous and constant potential for emission over an extended period of time (i.e., years). This represents an annual average emission rate based on wind erosion that should be compared with chronic health criteria; it is not appropriate for evaluating the potential for more acute exposures (EPA, 2015).
- Literature research was conducted to determine Navajo-specific values for meat and produce consumption. Mutton was considered to be the primary type of meat consumed; assumed 100% of mutton consumed is home-produced. Home produced meat consumption rates of 178 grams per day (g/day) for an adult and 40.1 g/day for a child were assumed based on Preliminary Remediation Goal for Radionuclides Calculator (PRG Calculator) default values for beef (EPA, 2016). Because Navajo traditionally harvest a few crops and some medicinal herbs, fruit and vegetable consumption rates lower than PRG Calculator defaults were used (EPA, 2016). A home-grown produce ingestion rate of 90.8 g/day was assumed, based on a vegetable consumption rate of 31.2 g/day and a fruit consumption rate of 59.6 g/day that were estimated from nutrition studies of the Navajo Nation. The fraction of total fruits and vegetables consumed that are either homegrown in a garden or orchard or wild-gathered (e.g. medicinal and/or ceremonial plants, pinyon nuts, berries, juniper, etc.) is assumed to be 25% (EPA, 2016).
- Concentrations in homegrown produce and meats were estimated from soil concentrations using uptake models. Plant uptake factors and bio-transfer factors for beef were obtained from Oak Ridge National Laboratory Risk Assessment Information System chemical specific parameter tool (ORNL RAIS; [https://rais.ornl.gov/cgi-bin/tools/TOX\\_search?select=chem\\_spef](https://rais.ornl.gov/cgi-bin/tools/TOX_search?select=chem_spef)).

For the residential exposure scenario, inadvertent ingestion of soil is common among children 6 years old and younger; therefore, the dose method for carcinogens used an age-adjusted soil ingestion factor that takes into account the difference in daily soil ingestion rates, body weights, and exposure duration for children from 1 to 6 years old, and others from 7 to 26 years old. This health-protective approach has been chosen in order to take into account the higher daily rates of soil ingestion in children, as well as the longer duration of exposure that is anticipated for a long-term resident (EPA, 2015). Similar age adjustments are performed for the dermal absorption,

inhalation, and food consumption exposure routes. Non-carcinogen threshold effects are calculated separately for adult and child receptors. The screening levels are based on a target excess cancer risk level of  $1 \times 10^{-6}$  (1 in 1,000,000) and a target noncancer hazard quotient (HQ) of one.

Screening levels can be used to estimate the total risk from multiple contaminants at a site as part of a screening procedure. This methodology is called the "sum of the ratios" approach. The sum of ratios approach was used to estimate human health risk using the residential direct contact, soil to produce consumption, and soil to meat consumption screening levels for chemicals. For cancer risk estimates, the site-specific concentration is divided by its cancer-based screening level. This ratio is multiplied by  $10^{-6}$  to estimate chemical-specific risk, and total cancer risk is determined by adding risk for each carcinogenic chemical. EPA manages risk to achieve  $10^{-6}$  to  $10^{-4}$  overall excess cancer risks. For noncancer hazard estimates, the site-specific concentration is divided by its noncancer-based screening level and the ratios are summed for multiple contaminants to represent a noncancer hazard index (HI). A HI of 1.0 or less is generally considered "safe." A ratio greater than 1.0 suggests further evaluation (EPA, 2015). Risk estimates based on maximum chemical concentrations in shallow soils are shown in Table C-3. The excess cancer risks and noncancer HIs associated with soil sampling results from the 0 to 2-foot depth interval were considered to represent the current risk to a resident living directly on the waste area should no removal actions occur.

As shown in Table C-1, cancer risks for radium exceeded  $3.0 \times 10^{-4}$  for some or all depths at all four evaluated regions of Quivira CR-1 and for both of the two evaluated regions of Quivira CR-1E. For Quivira CR-1, the maximum risk was  $7.5 \times 10^{-2}$  for deep soil at the Former Pond Area. For Quivira CR-1E, the maximum risk was  $7.6 \times 10^{-2}$  in deep soil at the Former Industrial/Former Pond Area. These results indicate the need for a response action to control releases and prevent radionuclide exposure. Note that these risk estimates also include contribution of background levels of Ra-226 (mean background concentration of 1 pCi/g; MWH, 2006).

As shown in Table C-3, using maximum non-radionuclide chemical concentrations, the total non-radionuclide cancer risk at the Quivira Mine Site was  $3 \times 10^{-4}$ , and the total HI was 3. The

EPA risk assessment guidance suggests that the average of the concentration is regarded as a reasonable estimate of the concentration likely to be contacted over time (EPA, 1989). Because of the uncertainty associated with any estimate of the representative average, the 95th percentile upper confidence limit (95UCL) on the arithmetic mean is generally used as the reasonable maximum exposure concentration (EPA, 1989). As shown in Table C-4, using 95UCL non-radionuclide chemical concentrations, the total non-radionuclide cancer risk at the Quivira Mine Site was  $1 \times 10^{-4}$ , which falls within the EPA risk management range of  $10^{-4}$  to  $10^{-6}$ . The non-radioactive cancer risk is driven by arsenic, which was present at a 95UCL concentration of approximately 6.2 mg/kg. The majority of this risk is attributable to background arsenic concentrations. Locations where levels of arsenic were measured slightly above background are co-located with locations of elevated Ra-226. When based on 95UCL concentrations the total HI is 0.8, which does not exceed the noncancer threshold of unity, indicating that adverse noncancer health effects from exposure to chemicals in soil at the Quivira Mine Site are unlikely (Table C-4).

It is anticipated that site actions to address radionuclide exposure by human receptors will be protective for exposure of human receptors to both radionuclides and non-radionuclide chemicals.

#### **4. Ecological Risk Evaluation**

The Quivira Mine Site is located in a remote area with the revegetated, previously disturbed mine area potentially providing habitat for ecological receptors. Wildlife inhabiting the Site may directly ingest radionuclides and chemicals, which may then be transported to organs or other sites within the wildlife receptors. Radionuclides and chemicals in the soil may be absorbed by plants consumed by wildlife. Radionuclides such as radium, radon, and daughter progeny may be inhaled, creating alpha-particle-emitting sources in the lungs of wildlife receptors. A screening level ecological risk assessment (i.e., Steps 1 and 2 of the EPA's 8-step ecological risk assessment process [EPA, 1997]) was performed to assess potential risk to ecological receptors from both radionuclide and non-radionuclide chemical contaminants. The results of the screening level ecological risk characterization are included in Table C-5. A refinement of conservative screening level assumptions (i.e., Step 3a of the EPA's 8-step ecological risk assessment process

[EPA, 2001]) was also performed to consider how the risk estimates would change if more realistic assumptions were used. The results of the refined ecological risk characterization are included in Table C-6.

#### **4.1 Ecological Risk-Based Screening Values**

Literature-based ecological screening benchmark values for direct contact and food-chain evaluations are used to characterize potential ecological effects. The following sources were used to identify proposed ecological screening benchmark values for radionuclides and chemicals:

- EPA Ecological Soil Screening Levels (EcoSSLs) (<http://www.epa.gov/ecotox/ecossl>)
- Los Alamos National Laboratory (LANL) ECORISK database, Release 3.3 (LANL, 2015).

The EcoSSLs include values for plant, soil invertebrate, bird, and mammal exposure to metals through direct contact and the food chain. EcoSSLs are also available for protection of birds and mammals from the three primary feeding groups (herbivores, insectivores, and carnivores). The EcoSSLs are based on no-effect toxicity values 1) to ensure risks are not underestimated, and 2) to provide a defensible conclusion that negligible ecological risk exists or that certain contaminants and exposure pathways can be eliminated from consideration (EPA, 1997). The EcoSSLs are intended to be conservative screening values that can be used to eliminate contaminants clearly not associated with unacceptable risks (EPA, 2005a – 2005e, 2006, and 2007).

The LANL EcoRisk database includes ecological screening levels (ESLs) for avian, mammalian, earthworm, and plant exposure models for radionuclides and chemicals in soil. The ESLs for soil-dwelling invertebrates and terrestrial plants are based on direct contact with soil by plants and soil-dwelling organisms living in impacted soil. The ESLs for upper level wildlife are based on incidental ingestion of soil while feeding, preening, or nesting on the ground, and ingestion of food sources that have bioaccumulated contaminants. The wildlife functional feeding guilds for birds and mammals used to develop ESLs include herbivores, insectivores, and carnivores. The LANL EcoRisk database provides both no-effect and low-effect ESLs. The no-effect ESL is

based on a no-observed-adverse-effect-level (NOAEL)-based toxicity reference value (TRV) that is protective of wildlife populations and sensitive individuals because it represents an exposure that is not associated with adverse impacts of low-level, long-term chemical effects (i.e., adverse effects on ability of individuals to develop into viable organisms, search for mates, breed successfully, and produce live and equally viable offspring). The NOAEL values are often extremely conservative and protective, and are designed to be an indication of no impacts if not exceeded (LANL, 2015). The low-effect ESL applies a lowest-observed-adverse-effect-level-based TRV that is the lowest chronic effect level and is generally considered to be protective of wildlife populations.

## **4.2 Ecological Risk Estimates**

Screening level risk characterization was performed using the HQ method to compare maximum soil concentrations to EcoSSLs and no-effect ESLs. An HQ of less than 1 indicates that the concentration is unlikely to cause adverse ecological effects. An HQ greater than 1 indicates that the potential for ecological risk is present and therefore the risk assessment process should continue. An HQ of 1 is the condition where the exposure and the dose associated with no adverse chronic effects are equal, indicating adverse effects at or below this soil concentration are unlikely (EPA, 2005a). The screening-level ecological risk assessment indicates potential for risk to ecological receptors from exposure to Ra-226, lead, selenium, uranium, and vanadium (Table C-5).

A screening-level ecological risk assessment uses conservative screening-level assumptions such as 100% site use, 100% bioavailability, 100% diet consists of the most contaminated dietary, and no-effect toxicity data to evaluate risk to populations of upper level organisms. Under more realistic site use conditions, the potential risk to individual organisms would be reduced. The representative average soil concentration, background levels, and low effect ecological screening values were used to refine these risk estimates. In the refined ecological risk characterization (Table C-6), risks were calculated using a 95UCL concentration as the representative average exposure point concentration. Concentrations of Ra-226 exceed low-effect ESLs for soil invertebrates and avian insectivores, indicating potential for ecological risks to populations of higher level organisms. Concentrations of selenium exceed low-effect ESLs for plants, avian

herbivores and insectivores, and mammalian herbivores and insectivores. Concentrations of vanadium exceed low-effect ESLs for avian herbivores and insectivores. The refined ecological risk assessment indicates potential for risk to ecological receptors from exposure to Ra-226 and selenium (Table C-6). Locations where elevated levels of selenium were measured are co-located with locations of elevated Ra-226. ESLs for radionuclides are higher (less stringent) than the proposed action level for protection of human health. Thus, it is anticipated that site actions to address radionuclide exposure by human receptors will be protective for exposure of ecological receptors to both radionuclides and non-radionuclide chemicals.

## Appendix C References

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## **Appendix C List of Tables**

Table C-1	Summary of Analytical Results and Screening Level Radionuclide Risk Estimates for Quivira Mine Soils, Streamlined HHRA
Table C-2	Summary of Non-Radionuclide Analytical Results for Quivira Mine Soils, Streamlined HHRA
Table C-3	Summary of Non-Radionuclide Risk Estimates for Maximum Concentration in Surface Soil at Quivira Mines, Streamlined HHRA
Table C-4	Summary of Non-Radionuclide Risk Estimates for 95UCL Concentration in Surface Soil at Quivira Mines, Streamlined HHRA
Table C-5	Screening Level Ecological Risk Characterization For Quivira Mine Surface Soil Samples, 0-2 ft BGS soil
Table C-6	Refined Ecological Risk Characterization For Quivira Mine Surface Soil Samples, 0-2 ft BGS soil

## **Attachment 1**

### **Development of Residential Direct Contact Screening Levels for Soil**

## Attachment 2

### Development of Produce Consumption and Meat Consumption Screening Levels for Soil

Navajo residents graze cattle and sheep in the area of the Site and consume these animals. Navajo traditionally harvest a few crops and some medicinal herbs. Thus, consumption of homegrown produce and meat exposure are considered to be potentially complete exposure pathway for the Quivira Mine Site. The residential RSLs do not account for consumption of homegrown produce and meats. For these home grown products, risk based SLs for chemicals were calculated for the environmental media (soil) and the farm product itself (produce and mutton) which may contribute contaminants to the products following methods presented in the U.S. EPA PRG calculator for radionuclides (U.S. EPA, 2016).

A screening level (SL) was initially developed for the farm product itself using the following equations:

SL<sub>food-carcinogenic</sub> (mg/kg) =

$$(TR \times AT \times BW) / (EF \times ED \times CSF \times IR_{\text{food}} \times 10^{-6} \text{ kg/mg})$$

SL<sub>food-noncarcinogenic</sub> (mg/kg) =

$$(THQ \times AT \times BW) / (EF \times ED \times 1/RfD \times IR_{\text{food}} \times 10^{-6} \text{ kg/mg})$$

Where:

- TR = target risk level (unitless)
- THQ = target hazard quotient (unitless)
- AT = averaging time (days)
- BW = body weight (kg)
- EF = exposure frequency (days/year)
- ED = exposure duration (years)
- IR<sub>food</sub> = food ingestion rate (mg/day)

Next, SLs were then developed for the environmental media (soil) that may contribute contaminants to the farm product using the following equations:

$$SL_{\text{soil to produce}} = SL_{\text{produce}} / BAF_{\text{ww}}$$

$$SL_{\text{soil to meat}} = SL_{\text{meat}} / BTF \times ([IR_{\text{fodder}} \times BAF_{\text{dw}}] + IR_{\text{soil}})$$

Where:

- BAF<sub>ww</sub> = soil to wet weight plant bioaccumulation factor (unitless)
- BTF = bio-transfer coefficient (day/kg)
- IR<sub>fodder</sub> = fodder intake rate (kg/day)
- BAF<sub>dw</sub> = soil to dry weight plant bioaccumulation factor (unitless)

IR<sub>soil</sub> = soil intake rate (kg/day)

The following assumptions were used in SL development:

- 100% of consumption of home-produced mutton and lamb is assumed. All feed (100%) for farm products is considered to have been grown on contaminated portions of the site.
- Home-produced beef ingestion rates (U.S. EPA, 2016) are assumed because no default values for lamb and mutton ingestion rates were available.
- Sheep fodder intake rate of 1.98 kg/day (Lyons et al., 1999) and soil intake rates of 0.36 kg/day (Handbook of Ecotoxicology, 2002; 18% of Sheep Fodder Intake).
- For the residential exposure scenario, the PRG Calculator (U.S. EPA, 2016) assumes that residents get a portion of their diet from fruits and vegetables grown on, or harvested from, the impacted area (25% of fruit and vegetables).
- A home produced meat consumption rate of 178 g/day for an adult and 40.1 g/day for a child was assumed based on U.S. EPA (2016) values for beef. Because Navajo traditionally harvest a few crops and some medicinal herbs, fruit and vegetable consumption rates lower than U.S. EPA (2016) defaults were used. A home-grown produce ingestion rate of 90.8 g/day was assumed, based on a vegetable consumption rate of 31.2 g/day and a fruit consumption rate of 59.6 g/day that was estimated from nutrition studies of the Navajo Nation.
- Age adjusted intake equations were developed for the consumption equations for carcinogens to account for changes in intake as the receptor ages.
- Toxicity factors used to assess oral exposures were obtained from the RSL online calculator ([https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl\\_search](https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search)).
- SLs are based on a target excess cancer risk level of  $1 \times 10^{-6}$  (1 in 1,000,000) and a target noncancer hazard quotient of one.
- Chemical specific wet weight and dry weight plant BAFs and BTFs for beef were obtained from ORNL RAIS chemical specific parameter tool ([https://rais.ornl.gov/cgi-bin/tools/TOX\\_search?select=chem\\_spef](https://rais.ornl.gov/cgi-bin/tools/TOX_search?select=chem_spef)).

The SL intake parameters are tabulated in Table 2-1. The SL calculations for produce are provided in Table 2-2. The SL calculations for meat are provided in Table 2-3.

## References:

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Accessed 1/2016.


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**APPENDIX B**  
**PHOTOGRAPHIC DOCUMENTATION**

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# PHOTOGRAPH LOG

<b>Project Name:</b> Quivira Mines Removal Assessment		<b>Site Location:</b> Quivira Mine, Navajo Nation, McKinley County, New Mexico	<b>Project No.:</b> 20409.012.015.0036.00
<b>Photo No.</b> <b>1</b>	<b>Date:</b> May 13, 2015		
<b>Direction Photo Taken:</b> Southwest			
<b>Description:</b> START performing assessment work for Quivira Removal Assessment.			

<b>Photo No.</b> <b>2</b>	<b>Date:</b> May 14, 2015	
<b>Direction Photo Taken:</b> North		
<b>Description:</b> Vent Hole 3 Assessment area. Chunks of rock in center right of photo appear to be waste rock or ore.		





# PHOTOGRAPH LOG

<b>Project Name:</b> Quivira Mines Removal Assessment	<b>Site Location:</b> Quivira Mine, Navajo Nation, McKinley County, New Mexico	<b>Project No.:</b> 20409.012.015.0036.0 0
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<b>Photo No.</b> <b>3</b>	<b>Date:</b> May 14, 2015
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**Direction Photo Taken:**  
East

**Description:**  
Vent Hole 3. Bare area in lower right of photo appears to be small waste pile.



<b>Photo No.</b> <b>4</b>	<b>Date:</b> October 1, 2015
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**Direction Photo Taken:**  
North

**Description:**  
Vent Hole 2 Residential Assessment area. Area in near rock pile in center of photo exhibits elevated gamma count rates.







# PHOTOGRAPH LOG

<b>Project Name:</b> Quivira Mines Removal Assessment	<b>Site Location:</b> Quivira Mine, Navajo Nation, McKinley County, New Mexico	<b>Project No.:</b> 20409.012.015.0036.00
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<b>Photo No.</b> <b>5</b>	<b>Date:</b> Sept, 2010
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**Direction Photo Taken:**  
Southwest

**Description:**  
Repairs to Quivira CR-1 Waste Pile Cover in 2010. Note RWPR Bridge in background.



<b>Photo No.</b> <b>6</b>	<b>Date:</b> September 29, 2015
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**Direction Photo Taken:**  
North

**Description:**  
Former Earthen Dam proposed for use as fill material.







# PHOTOGRAPH LOG

**Project Name:**  
Quivira Mines Removal Assessment

**Site Location:**  
Quivira Mine Vent Hole 3, Navajo Nation,  
McKinley County, New Mexico

**Project No.:**  
20409.012.015.0036.00

**Photo No.**  
**7**

**Date:**  
April 22,  
2015

**Direction Photo  
Taken:**  
South

**Description:**  
East side of Red Water  
Pond Road Bridge. The  
bridge abutments are  
contaminated with  
uranium mine waste  
(Ra-226). Erosion is  
impacting bridge  
integrity.



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**APPENDIX C**  
**SURFACE GAMMA SCAN DATA**

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Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724631.7	3949200	9525	5/12/2015	113933	cpm	-4.473788809
724628.3	3949197	9672	5/12/2015	114154	cpm	-4.257386389
724633.5	3949201	9678	5/12/2015	113744	cpm	-4.248553637
724628.3	3949197	9743	5/12/2015	114214	cpm	-4.152865492
724631.7	3949200	9789	5/12/2015	113917	cpm	-4.085147728
724631.6	3949200	9843	5/12/2015	113916	cpm	-4.005652961
724633.4	3949201	9862	5/12/2015	113745	cpm	-3.97768258
724631.5	3949200	9907	5/12/2015	113804	cpm	-3.911436942
724628.3	3949197	9930	5/12/2015	114200	cpm	-3.877578059
724631.5	3949200	9938	5/12/2015	113805	cpm	-3.865801057
724628.3	3949197	9991	5/12/2015	114152	cpm	-3.787778416
724628.3	3949197	10043	5/12/2015	114114	cpm	-3.7112279
724631.6	3949200	10045	5/12/2015	113915	cpm	-3.708283649
724628	3949197	10057	5/12/2015	114006	cpm	-3.690618145
724631.7	3949200	10096	5/12/2015	113918	cpm	-3.633205258
724631.5	3949200	10107	5/12/2015	113819	cpm	-3.61701188
724514.3	3949215	10121	5/12/2015	114805	cpm	-3.596402126
724633.4	3949201	10122	5/12/2015	113746	cpm	-3.59493
724631.5	3949200	10127	5/12/2015	113830	cpm	-3.587569374
724631.7	3949200	10128	5/12/2015	113934	cpm	-3.586097249
724628.3	3949197	10134	5/12/2015	114155	cpm	-3.577264497
724571.2	3949237	10135	5/12/2015	124033	cpm	-3.575792371
724631.6	3949200	10188	5/12/2015	113857	cpm	-3.49776973
724628	3949197	10194	5/12/2015	114027	cpm	-3.488936978
724631.5	3949200	10204	5/12/2015	113831	cpm	-3.474215725
724631.5	3949200	10209	5/12/2015	113818	cpm	-3.466855099
724460.3	3949196	10214	5/12/2015	121044	cpm	-3.459494472
724628.3	3949197	10228	5/12/2015	114213	cpm	-3.438884718
724631.5	3949200	10229	5/12/2015	113817	cpm	-3.437412593
724631.5	3949200	10232	5/12/2015	113806	cpm	-3.432996217
724631.4	3949200	10235	5/12/2015	113952	cpm	-3.428579841
724628.3	3949197	10240	5/12/2015	114137	cpm	-3.421219214
724628.2	3949197	10260	5/12/2015	114012	cpm	-3.391776708
724628.4	3949197	10263	5/12/2015	114212	cpm	-3.387360332
724631.6	3949200	10265	5/12/2015	113854	cpm	-3.384416081
724633.4	3949201	10267	5/12/2015	113743	cpm	-3.381471831
724628.2	3949197	10274	5/12/2015	114014	cpm	-3.371166954
724628.3	3949197	10288	5/12/2015	114150	cpm	-3.350557199
724628.3	3949197	10299	5/12/2015	114116	cpm	-3.334363821
724628.3	3949197	10309	5/12/2015	114151	cpm	-3.319642568
724633.4	3949201	10325	5/12/2015	113730	cpm	-3.296088563
724631.6	3949200	10338	5/12/2015	113914	cpm	-3.276950934
724628.3	3949197	10338	5/12/2015	114135	cpm	-3.276950934
724628.2	3949197	10356	5/12/2015	114054	cpm	-3.250452679

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724628.3	3949197	10361	5/12/2015	114103	cpm	-3.243092052
724628.2	3949197	10373	5/12/2015	114011	cpm	-3.225426548
724628.4	3949197	10380	5/12/2015	114205	cpm	-3.215121671
724631.6	3949200	10382	5/12/2015	113853	cpm	-3.212177421
724633.2	3949201	10383	5/12/2015	113726	cpm	-3.210705295
724628.2	3949197	10392	5/12/2015	114030	cpm	-3.197456167
724631.6	3949200	10399	5/12/2015	113941	cpm	-3.18715129
724631.6	3949200	10400	5/12/2015	113839	cpm	-3.185679165
724631.6	3949200	10401	5/12/2015	113911	cpm	-3.18420704
724583.6	3949210	10402	5/12/2015	114433	cpm	-3.182734914
724631.5	3949200	10421	5/12/2015	113807	cpm	-3.154764534
724628	3949197	10421	5/12/2015	114029	cpm	-3.154764534
724628.3	3949197	10423	5/12/2015	114201	cpm	-3.151820283
724631.6	3949200	10425	5/12/2015	113940	cpm	-3.148876032
724572.3	3949236	10427	5/12/2015	124028	cpm	-3.145931782
724631.5	3949200	10432	5/12/2015	113813	cpm	-3.138571155
724631.6	3949200	10439	5/12/2015	113855	cpm	-3.128266278
724628.3	3949197	10440	5/12/2015	114128	cpm	-3.126794153
724633.4	3949201	10450	5/12/2015	113731	cpm	-3.1120729
724628.2	3949197	10454	5/12/2015	114041	cpm	-3.106184398
724628.1	3949197	10466	5/12/2015	114005	cpm	-3.088518895
724513.1	3949215	10472	5/12/2015	114804	cpm	-3.079686143
724631.7	3949200	10474	5/12/2015	113935	cpm	-3.076741892
724628.3	3949197	10480	5/12/2015	114204	cpm	-3.06790914
724631.5	3949200	10484	5/12/2015	113828	cpm	-3.062020639
724631.6	3949200	10485	5/12/2015	113852	cpm	-3.060548514
724631.6	3949200	10485	5/12/2015	113942	cpm	-3.060548514
724632.8	3949201	10488	5/12/2015	113754	cpm	-3.056132138
724571.2	3949237	10490	5/12/2015	124035	cpm	-3.053187887
724628.2	3949197	10494	5/12/2015	114102	cpm	-3.047299386
724631.6	3949200	10499	5/12/2015	113856	cpm	-3.03993876
724631.6	3949200	10501	5/12/2015	113919	cpm	-3.036994509
724628.2	3949197	10509	5/12/2015	114056	cpm	-3.025217507
724628.3	3949197	10513	5/12/2015	114123	cpm	-3.019329005
724628.4	3949197	10517	5/12/2015	114208	cpm	-3.013440504
724628.3	3949197	10525	5/12/2015	114136	cpm	-3.001663502
724628	3949197	10526	5/12/2015	114028	cpm	-3.000191376
724628.2	3949197	10534	5/12/2015	114015	cpm	-2.988414374
724628.1	3949197	10535	5/12/2015	114010	cpm	-2.986942249
724631.6	3949200	10537	5/12/2015	113905	cpm	-2.983997998
724631.5	3949200	10539	5/12/2015	113815	cpm	-2.981053747
724572.3	3949236	10543	5/12/2015	124021	cpm	-2.975165246
724610.1	3949191	10547	5/12/2015	114301	cpm	-2.969276745
724590.6	3949181	10548	5/12/2015	114348	cpm	-2.96780462

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724572.3	3949236	10550	5/12/2015	124022	cpm	-2.964860369
724631.5	3949200	10554	5/12/2015	113832	cpm	-2.958971868
724631.5	3949200	10556	5/12/2015	113835	cpm	-2.956027617
724628.2	3949197	10571	5/12/2015	114013	cpm	-2.933945737
724631.5	3949200	10575	5/12/2015	113820	cpm	-2.928057236
724582.4	3949214	10578	5/12/2015	114436	cpm	-2.92364086
724633.3	3949201	10582	5/12/2015	113729	cpm	-2.917752359
724515.1	3949216	10583	5/12/2015	114806	cpm	-2.916280234
724463.2	3949209	10584	5/12/2015	121027	cpm	-2.914808108
724633.4	3949201	10591	5/12/2015	113747	cpm	-2.904503231
724628.4	3949197	10593	5/12/2015	114206	cpm	-2.901558981
724628.3	3949197	10593	5/12/2015	114211	cpm	-2.901558981
724631.6	3949200	10594	5/12/2015	113833	cpm	-2.900086855
724460.5	3949197	10611	5/12/2015	121043	cpm	-2.875060725
724473.1	3949196	10613	5/12/2015	114702	cpm	-2.872116475
724628.2	3949197	10615	5/12/2015	114031	cpm	-2.869172224
724631.5	3949200	10622	5/12/2015	113822	cpm	-2.858867347
724628.3	3949197	10622	5/12/2015	114153	cpm	-2.858867347
724462.2	3949196	10623	5/12/2015	114714	cpm	-2.857395221
724628.2	3949197	10625	5/12/2015	114033	cpm	-2.854450971
724583.9	3949208	10626	5/12/2015	114432	cpm	-2.852978846
724628.2	3949197	10636	5/12/2015	114032	cpm	-2.838257592
724590.4	3949181	10656	5/12/2015	114328	cpm	-2.808815086
724572.2	3949236	10658	5/12/2015	124027	cpm	-2.805870836
724628.2	3949197	10664	5/12/2015	114053	cpm	-2.797038084
724590.6	3949181	10665	5/12/2015	114338	cpm	-2.795565959
724631.6	3949200	10672	5/12/2015	113900	cpm	-2.785261081
724628.2	3949197	10680	5/12/2015	114045	cpm	-2.773484079
724631.5	3949200	10683	5/12/2015	113814	cpm	-2.769067703
724628.1	3949197	10685	5/12/2015	114226	cpm	-2.766123452
724572.2	3949236	10685	5/12/2015	124018	cpm	-2.766123452
724633.4	3949201	10693	5/12/2015	113738	cpm	-2.75434645
724628.3	3949197	10693	5/12/2015	114215	cpm	-2.75434645
724460.1	3949195	10695	5/12/2015	121045	cpm	-2.751402199
724631.5	3949200	10699	5/12/2015	113834	cpm	-2.745513698
724631.7	3949200	10700	5/12/2015	113945	cpm	-2.744041573
724631.7	3949200	10702	5/12/2015	113944	cpm	-2.741097322
724631.5	3949200	10703	5/12/2015	113838	cpm	-2.739625197
724631.5	3949200	10705	5/12/2015	113816	cpm	-2.736680946
724631.6	3949200	10706	5/12/2015	113851	cpm	-2.735208821
724623	3949196	10706	5/12/2015	114245	cpm	-2.735208821
724631.6	3949200	10707	5/12/2015	113904	cpm	-2.733736696
724631.6	3949200	10708	5/12/2015	113939	cpm	-2.73226457
724631.5	3949200	10715	5/12/2015	113836	cpm	-2.721959693

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724631.7	3949200	10718	5/12/2015	113950	cpm	-2.717543317
724633.3	3949201	10720	5/12/2015	113728	cpm	-2.714599067
724628.3	3949197	10730	5/12/2015	114202	cpm	-2.699877814
724631.7	3949200	10736	5/12/2015	113948	cpm	-2.691045062
724633.4	3949201	10747	5/12/2015	113752	cpm	-2.674851683
724628.3	3949197	10748	5/12/2015	114218	cpm	-2.673379558
724628.3	3949197	10751	5/12/2015	114207	cpm	-2.668963182
724585	3949203	10756	5/12/2015	114428	cpm	-2.661602556
724628.1	3949197	10763	5/12/2015	114026	cpm	-2.651297678
724627.6	3949198	10771	5/12/2015	114001	cpm	-2.639520676
724584.4	3949205	10776	5/12/2015	114430	cpm	-2.632160049
724631.5	3949200	10777	5/12/2015	113809	cpm	-2.630687924
724631.7	3949200	10787	5/12/2015	113932	cpm	-2.615966671
724628.2	3949197	10790	5/12/2015	114055	cpm	-2.611550295
724624.8	3949197	10793	5/12/2015	114240	cpm	-2.607133919
724590.6	3949181	10801	5/12/2015	114349	cpm	-2.595356917
724628.3	3949197	10808	5/12/2015	114219	cpm	-2.58505204
724633.5	3949201	10809	5/12/2015	113742	cpm	-2.583579914
724628.2	3949197	10813	5/12/2015	114044	cpm	-2.577691413
724628.3	3949197	10814	5/12/2015	114127	cpm	-2.576219288
724628.2	3949197	10815	5/12/2015	114042	cpm	-2.574747162
724582.7	3949213	10819	5/12/2015	114435	cpm	-2.568858661
724631.7	3949200	10822	5/12/2015	113756	cpm	-2.564442285
724633.4	3949201	10823	5/12/2015	113737	cpm	-2.56297016
724631.6	3949200	10827	5/12/2015	113920	cpm	-2.557081659
724628.8	3949199	10830	5/12/2015	113958	cpm	-2.552665283
724628.1	3949197	10834	5/12/2015	114008	cpm	-2.546776782
724459.7	3949210	10837	5/12/2015	121116	cpm	-2.542360406
724631.6	3949200	10840	5/12/2015	113943	cpm	-2.53794403
724628.3	3949197	10850	5/12/2015	114122	cpm	-2.523222777
724572.2	3949236	10850	5/12/2015	124025	cpm	-2.523222777
724631.6	3949200	10851	5/12/2015	113902	cpm	-2.521750651
724633.4	3949201	10852	5/12/2015	113739	cpm	-2.520278526
724628.3	3949197	10853	5/12/2015	114139	cpm	-2.518806401
724461.5	3949203	10853	5/12/2015	121038	cpm	-2.518806401
724583.2	3949211	10861	5/12/2015	114434	cpm	-2.507029398
724631.5	3949200	10867	5/12/2015	113803	cpm	-2.498196646
724628.3	3949197	10867	5/12/2015	114129	cpm	-2.498196646
724628.3	3949197	10871	5/12/2015	114124	cpm	-2.492308145
724461.8	3949205	10875	5/12/2015	121036	cpm	-2.486419644
724632.2	3949201	10880	5/12/2015	113755	cpm	-2.479059018
724628.3	3949197	10881	5/12/2015	114217	cpm	-2.477586892
724590.4	3949181	10881	5/12/2015	114325	cpm	-2.477586892
724590.6	3949181	10882	5/12/2015	114339	cpm	-2.476114767



Surface Gamma Scans  
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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724631.5	3949200	10883	5/12/2015	113821	cpm	-2.474642642
724628.3	3949197	10885	5/12/2015	114145	cpm	-2.471698391
724631.6	3949200	10891	5/12/2015	113910	cpm	-2.462865639
724631.6	3949200	10892	5/12/2015	113848	cpm	-2.461393514
724628	3949197	10892	5/12/2015	114224	cpm	-2.461393514
724631.5	3949200	10894	5/12/2015	113837	cpm	-2.458449263
724628.2	3949197	10895	5/12/2015	114024	cpm	-2.456977138
724633.4	3949201	10897	5/12/2015	113741	cpm	-2.454032887
724590.6	3949181	10898	5/12/2015	114350	cpm	-2.452560762
724631.5	3949200	10900	5/12/2015	113810	cpm	-2.449616511
724628.3	3949197	10907	5/12/2015	114156	cpm	-2.439311634
724631.6	3949200	10915	5/12/2015	113906	cpm	-2.427534632
724590.4	3949181	10918	5/12/2015	114324	cpm	-2.423118256
724633.4	3949201	10919	5/12/2015	113740	cpm	-2.421646131
724633.1	3949202	10925	5/12/2015	113727	cpm	-2.412813379
724628.2	3949197	10926	5/12/2015	114034	cpm	-2.411341253
724581.2	3949217	10941	5/12/2015	114438	cpm	-2.389259374
724426	3949204	10941	5/12/2015	122508	cpm	-2.389259374
724633.1	3949201	10956	5/12/2015	113724	cpm	-2.367177494
724628.3	3949197	10956	5/12/2015	114209	cpm	-2.367177494
724628.3	3949197	10965	5/12/2015	114140	cpm	-2.353928366
724463.2	3949209	10976	5/12/2015	121026	cpm	-2.337734988
724628.3	3949197	10978	5/12/2015	114105	cpm	-2.334790737
724631.6	3949200	10979	5/12/2015	113913	cpm	-2.333318612
724628.2	3949197	10981	5/12/2015	114057	cpm	-2.330374361
724628.2	3949197	10982	5/12/2015	114023	cpm	-2.328902236
724631.6	3949200	10987	5/12/2015	113849	cpm	-2.32154161
724631.6	3949200	10998	5/12/2015	113901	cpm	-2.305348231
724629.7	3949199	10998	5/12/2015	113956	cpm	-2.305348231
724536.8	3949222	10999	5/12/2015	114824	cpm	-2.303876106
724590.6	3949181	11000	5/12/2015	114359	cpm	-2.302403981
724590.4	3949181	11003	5/12/2015	114330	cpm	-2.297987605
724586.2	3949196	11006	5/12/2015	114424	cpm	-2.293571229
724628.3	3949197	11014	5/12/2015	114118	cpm	-2.281794226
724459.3	3949208	11017	5/12/2015	121114	cpm	-2.27737785
724590.6	3949181	11018	5/12/2015	114355	cpm	-2.275905725
724628.3	3949197	11024	5/12/2015	114149	cpm	-2.267072973
724628.3	3949197	11025	5/12/2015	114216	cpm	-2.265600848
724459.9	3949194	11026	5/12/2015	121046	cpm	-2.264128723
724633.2	3949201	11045	5/12/2015	113725	cpm	-2.236158342
724627.3	3949197	11046	5/12/2015	114231	cpm	-2.234686216
724631.5	3949200	11051	5/12/2015	113827	cpm	-2.22732559
724631.7	3949200	11051	5/12/2015	113936	cpm	-2.22732559
724572.1	3949236	11052	5/12/2015	124030	cpm	-2.225853465

Surface Gamma Scans  
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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724631.5	3949200	11057	5/12/2015	113829	cpm	-2.218492838
724613.6	3949194	11057	5/12/2015	114258	cpm	-2.218492838
724590.6	3949181	11059	5/12/2015	114347	cpm	-2.215548587
724628.2	3949197	11063	5/12/2015	114043	cpm	-2.209660086
724628.3	3949197	11065	5/12/2015	114146	cpm	-2.206715836
724631.5	3949200	11066	5/12/2015	113808	cpm	-2.20524371
724631.5	3949200	11068	5/12/2015	113824	cpm	-2.20229946
724628.4	3949197	11070	5/12/2015	114144	cpm	-2.199355209
724490.3	3949201	11072	5/12/2015	114648	cpm	-2.196410959
724628.2	3949197	11073	5/12/2015	114021	cpm	-2.194938833
724590.7	3949181	11073	5/12/2015	114334	cpm	-2.194938833
724628.3	3949197	11075	5/12/2015	114131	cpm	-2.191994583
724425.9	3949202	11075	5/12/2015	122509	cpm	-2.191994583
724572.3	3949236	11077	5/12/2015	124024	cpm	-2.189050332
724627.3	3949197	11078	5/12/2015	114230	cpm	-2.187578207
724519.9	3949217	11085	5/12/2015	114810	cpm	-2.17727333
724628.3	3949197	11086	5/12/2015	114134	cpm	-2.175801204
724628.1	3949197	11087	5/12/2015	114007	cpm	-2.174329079
724628.2	3949197	11092	5/12/2015	114040	cpm	-2.166968452
724462.7	3949196	11098	5/12/2015	114715	cpm	-2.158135701
724439.9	3949214	11099	5/12/2015	121920	cpm	-2.156663575
724633.2	3949201	11100	5/12/2015	113753	cpm	-2.15519145
724464.1	3949207	11100	5/12/2015	121007	cpm	-2.15519145
724633.4	3949201	11105	5/12/2015	113751	cpm	-2.147830823
724628.4	3949197	11107	5/12/2015	114138	cpm	-2.144886573
724633.4	3949201	11109	5/12/2015	113735	cpm	-2.141942322
724460	3949213	11109	5/12/2015	121118	cpm	-2.141942322
724628.3	3949197	11110	5/12/2015	114125	cpm	-2.140470197
724628.4	3949197	11110	5/12/2015	114141	cpm	-2.140470197
724628.3	3949197	11111	5/12/2015	114110	cpm	-2.138998072
724631.5	3949200	11113	5/12/2015	113826	cpm	-2.136053821
724587.8	3949183	11114	5/12/2015	114413	cpm	-2.134581696
724628.2	3949197	11117	5/12/2015	114104	cpm	-2.13016532
724590.6	3949181	11117	5/12/2015	114403	cpm	-2.13016532
724631.5	3949200	11118	5/12/2015	113811	cpm	-2.128693194
724628.3	3949197	11120	5/12/2015	114159	cpm	-2.125748944
724572.3	3949236	11132	5/12/2015	124023	cpm	-2.10808344
724628.3	3949197	11135	5/12/2015	114143	cpm	-2.103667064
724484	3949199	11136	5/12/2015	114653	cpm	-2.102194939
724459.8	3949212	11136	5/12/2015	121117	cpm	-2.102194939
724462.7	3949209	11139	5/12/2015	121021	cpm	-2.097778563
724624.1	3949197	11141	5/12/2015	114241	cpm	-2.094834312
724627.2	3949197	11143	5/12/2015	114237	cpm	-2.091890062
724476.6	3949197	11149	5/12/2015	114659	cpm	-2.08305731

Surface Gamma Scans  
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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724622.8	3949196	11152	5/12/2015	114246	cpm	-2.078640934
724448.6	3949197	11163	5/12/2015	121513	cpm	-2.062447556
724628.2	3949197	11165	5/12/2015	114100	cpm	-2.059503305
724590.6	3949181	11167	5/12/2015	114346	cpm	-2.056559054
724444.7	3949207	11167	5/12/2015	121551	cpm	-2.056559054
724590.4	3949181	11169	5/12/2015	114332	cpm	-2.053614804
724590.6	3949181	11170	5/12/2015	114358	cpm	-2.052142678
724426.1	3949205	11171	5/12/2015	122507	cpm	-2.050670553
724590.6	3949181	11176	5/12/2015	114340	cpm	-2.043309927
724631.6	3949200	11181	5/12/2015	113903	cpm	-2.0359493
724572.3	3949236	11182	5/12/2015	124019	cpm	-2.034477175
724622.8	3949196	11185	5/12/2015	114247	cpm	-2.030060799
724631.6	3949200	11198	5/12/2015	113912	cpm	-2.01092317
724628.3	3949197	11199	5/12/2015	114126	cpm	-2.009451044
724482.8	3949199	11199	5/12/2015	114654	cpm	-2.009451044
724631.6	3949200	11202	5/12/2015	113909	cpm	-2.005034669
724628.1	3949197	11209	5/12/2015	114009	cpm	-1.994729791
724463.2	3949209	11209	5/12/2015	121029	cpm	-1.994729791
724628.3	3949197	11218	5/12/2015	114203	cpm	-1.981480664
724631.7	3949200	11219	5/12/2015	113937	cpm	-1.980008538
724631.6	3949200	11223	5/12/2015	113938	cpm	-1.974120037
724628.2	3949197	11226	5/12/2015	114052	cpm	-1.969703661
724460.9	3949200	11227	5/12/2015	121041	cpm	-1.968231536
724628.3	3949197	11235	5/12/2015	114130	cpm	-1.956454533
724572.2	3949236	11235	5/12/2015	124029	cpm	-1.956454533
724590.6	3949181	11238	5/12/2015	114356	cpm	-1.952038157
724631.5	3949200	11240	5/12/2015	113757	cpm	-1.949093907
724628.2	3949197	11247	5/12/2015	114017	cpm	-1.93878903
724631.5	3949200	11250	5/12/2015	113825	cpm	-1.934372654
724631.6	3949200	11250	5/12/2015	113921	cpm	-1.934372654
724631.6	3949200	11252	5/12/2015	113859	cpm	-1.931428403
724462.2	3949208	11253	5/12/2015	121034	cpm	-1.929956278
724633.4	3949201	11255	5/12/2015	113734	cpm	-1.927012027
724633.2	3949201	11256	5/12/2015	113721	cpm	-1.925539902
724631.6	3949200	11257	5/12/2015	113847	cpm	-1.924067777
724622.8	3949196	11262	5/12/2015	114249	cpm	-1.91670715
724633.2	3949201	11265	5/12/2015	113720	cpm	-1.912290774
724633.2	3949201	11265	5/12/2015	113723	cpm	-1.912290774
724633.2	3949201	11266	5/12/2015	113722	cpm	-1.910818649
724587.7	3949180	11268	5/12/2015	114406	cpm	-1.907874398
724458.9	3949192	11269	5/12/2015	121057	cpm	-1.906402273
724537.9	3949222	11272	5/12/2015	114825	cpm	-1.901985897
724457.6	3949195	11283	5/12/2015	121104	cpm	-1.885792519
724628.2	3949197	11285	5/12/2015	114038	cpm	-1.882848268

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724633.4	3949201	11290	5/12/2015	113733	cpm	-1.875487642
724622.8	3949196	11302	5/12/2015	114248	cpm	-1.857822138
724581.9	3949215	11305	5/12/2015	114437	cpm	-1.853405762
724485.3	3949200	11305	5/12/2015	114652	cpm	-1.853405762
724564.3	3949238	11306	5/12/2015	120812	cpm	-1.851933637
724444.1	3949195	11310	5/12/2015	121541	cpm	-1.846045135
724631.6	3949200	11311	5/12/2015	113858	cpm	-1.84457301
724586	3949198	11313	5/12/2015	114425	cpm	-1.841628759
724626.3	3949198	11315	5/12/2015	114238	cpm	-1.838684509
724460.7	3949198	11318	5/12/2015	121042	cpm	-1.834268133
724461.6	3949204	11322	5/12/2015	121037	cpm	-1.828379632
724628.2	3949197	11325	5/12/2015	114108	cpm	-1.823963256
724595.9	3949253	11325	5/12/2015	114920	cpm	-1.823963256
724418.6	3949193	11327	5/12/2015	122536	cpm	-1.821019005
724572.3	3949236	11330	5/12/2015	124020	cpm	-1.816602629
724590.6	3949181	11334	5/12/2015	114337	cpm	-1.810714128
724462.8	3949209	11336	5/12/2015	121022	cpm	-1.807769877
724535.6	3949222	11341	5/12/2015	114823	cpm	-1.800409251
724423.8	3949191	11342	5/12/2015	122520	cpm	-1.798937126
724628.3	3949197	11344	5/12/2015	114148	cpm	-1.795992875
724461.3	3949202	11347	5/12/2015	121039	cpm	-1.791576499
724587.1	3949180	11348	5/12/2015	114407	cpm	-1.790104374
724614.8	3949194	11350	5/12/2015	114257	cpm	-1.787160123
724631.6	3949200	11352	5/12/2015	113907	cpm	-1.784215872
724424.6	3949194	11352	5/12/2015	122516	cpm	-1.784215872
724558.8	3949241	11355	5/12/2015	120713	cpm	-1.779799497
724628.3	3949197	11356	5/12/2015	114121	cpm	-1.778327371
724457.5	3949191	11357	5/12/2015	121101	cpm	-1.776855246
724459.7	3949192	11362	5/12/2015	121048	cpm	-1.769494619
724628.3	3949197	11363	5/12/2015	114119	cpm	-1.768022494
724421.6	3949209	11370	5/12/2015	122551	cpm	-1.757717617
724633.4	3949201	11372	5/12/2015	113748	cpm	-1.754773366
724631.5	3949200	11373	5/12/2015	113802	cpm	-1.753301241
724566.8	3949239	11379	5/12/2015	120810	cpm	-1.744468489
724628.2	3949197	11384	5/12/2015	114051	cpm	-1.737107863
724448.9	3949198	11385	5/12/2015	121511	cpm	-1.735635737
724590.4	3949181	11387	5/12/2015	114327	cpm	-1.732691487
724571.4	3949237	11391	5/12/2015	124032	cpm	-1.726802985
724631.6	3949200	11394	5/12/2015	113925	cpm	-1.72238661
724628.1	3949197	11394	5/12/2015	114004	cpm	-1.72238661
724516.6	3949216	11398	5/12/2015	114807	cpm	-1.716498108
724471.9	3949196	11400	5/12/2015	114703	cpm	-1.713553858
724470.8	3949196	11400	5/12/2015	114704	cpm	-1.713553858
724459.8	3949191	11401	5/12/2015	121050	cpm	-1.712081732

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724628.3	3949197	11402	5/12/2015	114133	cpm	-1.710609607
724585.7	3949199	11404	5/12/2015	114426	cpm	-1.707665356
724572.1	3949236	11410	5/12/2015	124016	cpm	-1.698832605
724459.2	3949207	11414	5/12/2015	121113	cpm	-1.692944103
724450	3949203	11415	5/12/2015	121506	cpm	-1.691471978
724623	3949197	11419	5/12/2015	114244	cpm	-1.685583477
724628.2	3949197	11422	5/12/2015	114046	cpm	-1.681167101
724572.1	3949236	11422	5/12/2015	124014	cpm	-1.681167101
724438.1	3949205	11424	5/12/2015	121928	cpm	-1.67822285
724628.2	3949197	11425	5/12/2015	114039	cpm	-1.676750725
724589.9	3949181	11428	5/12/2015	114404	cpm	-1.672334349
724590.6	3949181	11431	5/12/2015	114341	cpm	-1.667917973
724463.1	3949209	11433	5/12/2015	121032	cpm	-1.664973723
724633.4	3949201	11437	5/12/2015	113749	cpm	-1.659085221
724552.9	3949239	11440	5/12/2015	120708	cpm	-1.654668845
724457.5	3949192	11443	5/12/2015	121102	cpm	-1.650252469
724444.8	3949201	11443	5/12/2015	121546	cpm	-1.650252469
724611.3	3949192	11444	5/12/2015	114300	cpm	-1.648780344
724539.1	3949223	11448	5/12/2015	114826	cpm	-1.642891843
724459.9	3949193	11452	5/12/2015	121047	cpm	-1.637003342
724586.9	3949180	11453	5/12/2015	114408	cpm	-1.635531216
724444.8	3949209	11455	5/12/2015	121553	cpm	-1.632586966
724628.3	3949197	11457	5/12/2015	114132	cpm	-1.629642715
724631.6	3949200	11460	5/12/2015	113850	cpm	-1.625226339
724628.3	3949197	11462	5/12/2015	114142	cpm	-1.622282089
724621.6	3949196	11462	5/12/2015	114251	cpm	-1.622282089
724521.5	3949218	11463	5/12/2015	114811	cpm	-1.620809963
724633.4	3949201	11468	5/12/2015	113736	cpm	-1.613449337
724528.6	3949219	11471	5/12/2015	114817	cpm	-1.609032961
724438.4	3949207	11472	5/12/2015	121926	cpm	-1.607560836
724457.7	3949191	11475	5/12/2015	121059	cpm	-1.60314446
724631.6	3949200	11482	5/12/2015	113840	cpm	-1.592839583
724431.1	3949189	11487	5/12/2015	121954	cpm	-1.585478956
724631.6	3949200	11488	5/12/2015	113922	cpm	-1.584006831
724451	3949208	11489	5/12/2015	121501	cpm	-1.582534705
724449.5	3949201	11489	5/12/2015	121508	cpm	-1.582534705
724609	3949191	11490	5/12/2015	114302	cpm	-1.58106258
724631.7	3949200	11492	5/12/2015	113929	cpm	-1.578118329
724424	3949192	11497	5/12/2015	122519	cpm	-1.570757703
724571.9	3949237	11504	5/12/2015	124031	cpm	-1.560452826
724617.4	3949195	11510	5/12/2015	114255	cpm	-1.551620074
724563	3949238	11512	5/12/2015	120813	cpm	-1.548675823
724631.6	3949200	11515	5/12/2015	113908	cpm	-1.544259447
724587.8	3949192	11521	5/12/2015	114420	cpm	-1.535426696

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724519.1	3949217	11521	5/12/2015	114809	cpm	-1.535426696
724421.1	3949207	11521	5/12/2015	122549	cpm	-1.535426696
724444.9	3949202	11522	5/12/2015	121547	cpm	-1.53395457
724628.3	3949197	11525	5/12/2015	114210	cpm	-1.529538194
724622.6	3949196	11525	5/12/2015	114250	cpm	-1.529538194
724448.5	3949191	11526	5/12/2015	121524	cpm	-1.528066069
724628.3	3949197	11530	5/12/2015	114106	cpm	-1.522177568
724631.5	3949200	11531	5/12/2015	113759	cpm	-1.520705442
724631.5	3949200	11532	5/12/2015	113846	cpm	-1.519233317
724628	3949197	11533	5/12/2015	114222	cpm	-1.517761192
724628.2	3949197	11538	5/12/2015	114035	cpm	-1.510400565
724461.9	3949195	11539	5/12/2015	114713	cpm	-1.50892844
724630.6	3949200	11540	5/12/2015	113954	cpm	-1.507456315
724463.3	3949209	11541	5/12/2015	121028	cpm	-1.505984189
724424.8	3949196	11542	5/12/2015	122514	cpm	-1.504512064
724616.2	3949195	11552	5/12/2015	114256	cpm	-1.489790811
724431.1	3949190	11565	5/12/2015	121958	cpm	-1.470653182
724631.5	3949200	11566	5/12/2015	113841	cpm	-1.469181057
724628.3	3949197	11567	5/12/2015	114112	cpm	-1.467708931
724631.5	3949200	11570	5/12/2015	113823	cpm	-1.463292555
724627.4	3949197	11571	5/12/2015	114233	cpm	-1.46182043
724590.5	3949181	11571	5/12/2015	114323	cpm	-1.46182043
724458.1	3949191	11574	5/12/2015	121058	cpm	-1.457404054
724633.4	3949201	11578	5/12/2015	113732	cpm	-1.451515553
724628.2	3949197	11580	5/12/2015	114020	cpm	-1.448571302
724590.6	3949181	11580	5/12/2015	114400	cpm	-1.448571302
724437.7	3949233	11582	5/12/2015	122035	cpm	-1.445627052
724468.3	3949195	11584	5/12/2015	114706	cpm	-1.442682801
724627.6	3949197	11586	5/12/2015	114228	cpm	-1.439738551
724459.2	3949191	11588	5/12/2015	121049	cpm	-1.4367943
724474.2	3949197	11589	5/12/2015	114701	cpm	-1.435322175
724628.2	3949197	11590	5/12/2015	114101	cpm	-1.433850049
724560.1	3949241	11591	5/12/2015	120716	cpm	-1.432377924
724449.3	3949200	11592	5/12/2015	121509	cpm	-1.430905799
724561.9	3949238	11598	5/12/2015	120814	cpm	-1.422073047
724423.3	3949190	11598	5/12/2015	122521	cpm	-1.422073047
724590.7	3949181	11603	5/12/2015	114402	cpm	-1.41471242
724444.2	3949199	11605	5/12/2015	121544	cpm	-1.41176817
724462.5	3949209	11606	5/12/2015	121033	cpm	-1.410296044
724598.8	3949254	11607	5/12/2015	114923	cpm	-1.408823919
724543.5	3949241	11607	5/12/2015	115036	cpm	-1.408823919
724590.6	3949181	11610	5/12/2015	114344	cpm	-1.404407543
724451.4	3949209	11612	5/12/2015	121500	cpm	-1.401463293
724517.9	3949217	11616	5/12/2015	114808	cpm	-1.395574791



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724560.6	3949237	11616	5/12/2015	120815	cpm	-1.395574791
724445.2	3949211	11618	5/12/2015	121555	cpm	-1.392630541
724444.1	3949198	11619	5/12/2015	121543	cpm	-1.391158415
724631.6	3949200	11622	5/12/2015	113843	cpm	-1.386742039
724628.2	3949197	11623	5/12/2015	114037	cpm	-1.385269914
724463.1	3949193	11627	5/12/2015	114711	cpm	-1.379381413
724440.3	3949221	11627	5/12/2015	121915	cpm	-1.379381413
724424.2	3949193	11627	5/12/2015	122518	cpm	-1.379381413
724631.6	3949200	11629	5/12/2015	113926	cpm	-1.376437162
724631.6	3949200	11630	5/12/2015	113928	cpm	-1.374965037
724631.7	3949200	11630	5/12/2015	113931	cpm	-1.374965037
724590.6	3949181	11630	5/12/2015	114336	cpm	-1.374965037
724523.5	3949218	11630	5/12/2015	114813	cpm	-1.374965037
724590.6	3949181	11631	5/12/2015	114357	cpm	-1.373492912
724586.7	3949195	11632	5/12/2015	114423	cpm	-1.372020786
724554.1	3949239	11632	5/12/2015	120709	cpm	-1.372020786
724527.4	3949219	11633	5/12/2015	114816	cpm	-1.370548661
724628.2	3949197	11635	5/12/2015	114059	cpm	-1.36760441
724560.2	3949241	11638	5/12/2015	120744	cpm	-1.363188035
724631.5	3949200	11639	5/12/2015	113812	cpm	-1.361715909
724448.4	3949191	11648	5/12/2015	121521	cpm	-1.348466781
724570.4	3949241	11650	5/12/2015	120756	cpm	-1.345522531
724432	3949195	11652	5/12/2015	122002	cpm	-1.34257828
724569.3	3949241	11654	5/12/2015	120755	cpm	-1.33963403
724628.2	3949197	11662	5/12/2015	114048	cpm	-1.327857027
724587	3949180	11662	5/12/2015	114410	cpm	-1.327857027
724445	3949205	11666	5/12/2015	121549	cpm	-1.321968526
724464.2	3949209	11669	5/12/2015	121013	cpm	-1.31755215
724422.2	3949216	11672	5/12/2015	122557	cpm	-1.313135774
724628.2	3949197	11674	5/12/2015	114018	cpm	-1.310191524
724631.5	3949200	11676	5/12/2015	113845	cpm	-1.307247273
724590.5	3949181	11677	5/12/2015	114322	cpm	-1.305775148
724449.7	3949202	11678	5/12/2015	121507	cpm	-1.304303022
724448.5	3949191	11681	5/12/2015	121526	cpm	-1.299886646
724625.3	3949198	11682	5/12/2015	114239	cpm	-1.298414521
724590.6	3949181	11682	5/12/2015	114354	cpm	-1.298414521
724631.5	3949200	11688	5/12/2015	113842	cpm	-1.289581769
724540.3	3949223	11689	5/12/2015	114827	cpm	-1.288109644
724603.8	3949257	11697	5/12/2015	114930	cpm	-1.276332641
724572.1	3949236	11697	5/12/2015	124015	cpm	-1.276332641
724627.4	3949197	11703	5/12/2015	114232	cpm	-1.26749989
724627.5	3949197	11703	5/12/2015	114236	cpm	-1.26749989
724569.4	3949240	11704	5/12/2015	120808	cpm	-1.266027764
724462.8	3949210	11704	5/12/2015	121024	cpm	-1.266027764

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724559.6	3949231	11705	5/12/2015	114844	cpm	-1.264555639
724534.5	3949221	11709	5/12/2015	114822	cpm	-1.258667138
724628.2	3949197	11712	5/12/2015	114058	cpm	-1.254250762
724590.4	3949181	11723	5/12/2015	114326	cpm	-1.238057383
724464.2	3949209	11723	5/12/2015	121014	cpm	-1.238057383
724631.5	3949200	11725	5/12/2015	113801	cpm	-1.235113133
724560.2	3949241	11726	5/12/2015	120726	cpm	-1.233641008
724426.3	3949206	11726	5/12/2015	122506	cpm	-1.233641008
724631.7	3949200	11727	5/12/2015	113946	cpm	-1.232168882
724463	3949199	11727	5/12/2015	114718	cpm	-1.232168882
724459.8	3949192	11727	5/12/2015	121056	cpm	-1.232168882
724560.4	3949241	11729	5/12/2015	120745	cpm	-1.229224632
724445.5	3949214	11730	5/12/2015	121557	cpm	-1.227752506
724571.3	3949237	11730	5/12/2015	124008	cpm	-1.227752506
724463.1	3949201	11731	5/12/2015	114720	cpm	-1.226280381
724612.5	3949193	11732	5/12/2015	114259	cpm	-1.224808256
724605.5	3949262	11733	5/12/2015	114941	cpm	-1.22333613
724449.2	3949199	11733	5/12/2015	121510	cpm	-1.22333613
724460.1	3949192	11737	5/12/2015	121053	cpm	-1.217447629
724444.9	3949206	11737	5/12/2015	121550	cpm	-1.217447629
724418.7	3949194	11741	5/12/2015	122537	cpm	-1.211559128
724560.2	3949241	11743	5/12/2015	120743	cpm	-1.208614877
724590.6	3949181	11747	5/12/2015	114342	cpm	-1.202726376
724590.5	3949258	11747	5/12/2015	114958	cpm	-1.202726376
724590.6	3949181	11748	5/12/2015	114401	cpm	-1.201254251
724628.3	3949197	11749	5/12/2015	114220	cpm	-1.199782125
724448.5	3949191	11749	5/12/2015	121522	cpm	-1.199782125
724432.3	3949200	11749	5/12/2015	122007	cpm	-1.199782125
724623.3	3949197	11755	5/12/2015	114243	cpm	-1.190949374
724596.2	3949261	11755	5/12/2015	114953	cpm	-1.190949374
724619.7	3949196	11756	5/12/2015	114253	cpm	-1.189477248
724628.2	3949197	11761	5/12/2015	114025	cpm	-1.182116622
724623.6	3949197	11764	5/12/2015	114242	cpm	-1.177700246
724457.5	3949191	11764	5/12/2015	121100	cpm	-1.177700246
724462.3	3949193	11767	5/12/2015	114712	cpm	-1.17328387
724444.5	3949200	11770	5/12/2015	121545	cpm	-1.168867494
724439	3949209	11771	5/12/2015	121924	cpm	-1.167395369
724604.5	3949258	11777	5/12/2015	114931	cpm	-1.158562617
724462.6	3949209	11777	5/12/2015	121020	cpm	-1.158562617
724448.4	3949191	11780	5/12/2015	121532	cpm	-1.154146241
724628.3	3949197	11781	5/12/2015	114147	cpm	-1.152674116
724628.3	3949197	11782	5/12/2015	114158	cpm	-1.15120199
724558.3	3949231	11782	5/12/2015	114843	cpm	-1.15120199
724510.7	3949214	11784	5/12/2015	114802	cpm	-1.14825774

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724448.5	3949194	11787	5/12/2015	121515	cpm	-1.143841364
724458.5	3949203	11788	5/12/2015	121110	cpm	-1.142369238
724631.6	3949200	11789	5/12/2015	113924	cpm	-1.140897113
724560.4	3949241	11805	5/12/2015	120728	cpm	-1.117343108
724560.3	3949241	11811	5/12/2015	120742	cpm	-1.108510356
724628.3	3949197	11812	5/12/2015	114157	cpm	-1.107038231
724587	3949180	11812	5/12/2015	114409	cpm	-1.107038231
724431.2	3949190	11813	5/12/2015	121957	cpm	-1.105566106
724463.6	3949206	11814	5/12/2015	121005	cpm	-1.10409398
724463.1	3949200	11816	5/12/2015	114719	cpm	-1.10114973
724463.2	3949209	11818	5/12/2015	121031	cpm	-1.098205479
724595.2	3949260	11819	5/12/2015	114954	cpm	-1.096733354
724532.1	3949228	11820	5/12/2015	120858	cpm	-1.095261229
724572.1	3949236	11820	5/12/2015	124011	cpm	-1.095261229
724628.2	3949197	11823	5/12/2015	114036	cpm	-1.090844853
724422.6	3949218	11823	5/12/2015	122558	cpm	-1.090844853
724460	3949191	11826	5/12/2015	121052	cpm	-1.086428477
724462.1	3949206	11827	5/12/2015	121035	cpm	-1.084956351
724424.4	3949193	11831	5/12/2015	122517	cpm	-1.07906785
724587.2	3949181	11832	5/12/2015	114411	cpm	-1.077595725
724425.1	3949199	11834	5/12/2015	122512	cpm	-1.074651474
724469.7	3949195	11835	5/12/2015	114705	cpm	-1.073179349
724590.5	3949181	11839	5/12/2015	114321	cpm	-1.067290848
724425.4	3949200	11839	5/12/2015	122511	cpm	-1.067290848
724508.2	3949214	11843	5/12/2015	114800	cpm	-1.061402347
724460.2	3949214	11843	5/12/2015	121119	cpm	-1.061402347
724590.6	3949181	11845	5/12/2015	114351	cpm	-1.058458096
724631.7	3949200	11849	5/12/2015	113930	cpm	-1.052569595
724555.3	3949240	11853	5/12/2015	120710	cpm	-1.046681093
724450.7	3949207	11855	5/12/2015	121502	cpm	-1.043736843
724568.1	3949240	11856	5/12/2015	120809	cpm	-1.042264718
724426.5	3949207	11859	5/12/2015	122505	cpm	-1.037848342
724565.6	3949239	11860	5/12/2015	120811	cpm	-1.036376216
724457.9	3949197	11861	5/12/2015	121106	cpm	-1.034904091
724431.8	3949194	11861	5/12/2015	122001	cpm	-1.034904091
724588.3	3949190	11868	5/12/2015	114419	cpm	-1.024599214
724578.8	3949242	11868	5/12/2015	114904	cpm	-1.024599214
724559.8	3949247	11876	5/12/2015	115023	cpm	-1.012822211
724631.5	3949200	11877	5/12/2015	113844	cpm	-1.011350086
724463.2	3949209	11877	5/12/2015	121030	cpm	-1.011350086
724557.3	3949230	11880	5/12/2015	114842	cpm	-1.00693371
724464.1	3949209	11884	5/12/2015	121011	cpm	-1.001045209
724491.5	3949201	11886	5/12/2015	114647	cpm	-0.998100958
724579.9	3949243	11888	5/12/2015	114905	cpm	-0.995156708

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724597.5	3949254	11888	5/12/2015	114922	cpm	-0.995156708
724459	3949205	11891	5/12/2015	121112	cpm	-0.990740332
724590.6	3949181	11893	5/12/2015	114345	cpm	-0.987796081
724422	3949210	11893	5/12/2015	122552	cpm	-0.987796081
724592.3	3949182	11897	5/12/2015	114316	cpm	-0.98190758
724606.3	3949260	11899	5/12/2015	114934	cpm	-0.978963329
724620.7	3949196	11900	5/12/2015	114252	cpm	-0.977491204
724572.1	3949236	11900	5/12/2015	124010	cpm	-0.977491204
724587.8	3949184	11906	5/12/2015	114414	cpm	-0.968658452
724606	3949260	11906	5/12/2015	114935	cpm	-0.968658452
724431	3949189	11906	5/12/2015	121955	cpm	-0.968658452
724571.9	3949236	11907	5/12/2015	124013	cpm	-0.967186327
724463.2	3949209	11912	5/12/2015	121018	cpm	-0.9598257
724431.1	3949189	11915	5/12/2015	121953	cpm	-0.955409324
724587.3	3949194	11920	5/12/2015	114422	cpm	-0.948048698
724445	3949190	11920	5/12/2015	121536	cpm	-0.948048698
724450.6	3949206	11923	5/12/2015	121503	cpm	-0.943632322
724451.8	3949210	11924	5/12/2015	121459	cpm	-0.942160197
724418.6	3949191	11924	5/12/2015	122535	cpm	-0.942160197
724588.8	3949181	11926	5/12/2015	114405	cpm	-0.939215946
724480.4	3949198	11926	5/12/2015	114656	cpm	-0.939215946
724492.7	3949201	11932	5/12/2015	114646	cpm	-0.930383194
724541.3	3949233	11933	5/12/2015	120847	cpm	-0.928911069
724533.3	3949229	11933	5/12/2015	120857	cpm	-0.928911069
724627.5	3949197	11938	5/12/2015	114234	cpm	-0.921550442
724541.3	3949233	11939	5/12/2015	120848	cpm	-0.920078317
724590.5	3949181	11941	5/12/2015	114320	cpm	-0.917134066
724562.2	3949248	11944	5/12/2015	115021	cpm	-0.912717691
724463.7	3949206	11947	5/12/2015	121006	cpm	-0.908301315
724628.1	3949197	11949	5/12/2015	114003	cpm	-0.905357064
724462.8	3949197	11950	5/12/2015	114716	cpm	-0.903884939
724462.7	3949209	11950	5/12/2015	121019	cpm	-0.903884939
724628.2	3949197	11951	5/12/2015	114022	cpm	-0.902412813
724602.5	3949185	11951	5/12/2015	114308	cpm	-0.902412813
724631.7	3949200	11956	5/12/2015	113927	cpm	-0.895052187
724464.7	3949208	11959	5/12/2015	121008	cpm	-0.890635811
724628.2	3949197	11960	5/12/2015	114047	cpm	-0.889163686
724445.8	3949190	11965	5/12/2015	121535	cpm	-0.881803059
724479.2	3949198	11966	5/12/2015	114657	cpm	-0.880330934
724463.1	3949202	11969	5/12/2015	114721	cpm	-0.875914558
724628.2	3949197	11972	5/12/2015	114050	cpm	-0.871498182
724583.1	3949245	11973	5/12/2015	114908	cpm	-0.870026057
724597.1	3949184	11975	5/12/2015	114312	cpm	-0.867081806
724431.3	3949193	11980	5/12/2015	122000	cpm	-0.859721179

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724448.5	3949191	11981	5/12/2015	121525	cpm	-0.858249054
724572	3949236	11981	5/12/2015	124012	cpm	-0.858249054
724460.2	3949192	11982	5/12/2015	121055	cpm	-0.856776929
724633.4	3949201	11983	5/12/2015	113750	cpm	-0.855304804
724618.5	3949196	11983	5/12/2015	114254	cpm	-0.855304804
724432.1	3949196	11984	5/12/2015	122003	cpm	-0.853832678
724448.4	3949191	11988	5/12/2015	121520	cpm	-0.847944177
724435.4	3949223	11988	5/12/2015	122026	cpm	-0.847944177
724458.1	3949199	11989	5/12/2015	121107	cpm	-0.846472052
724631.5	3949200	11992	5/12/2015	113758	cpm	-0.842055676
724542.7	3949235	11992	5/12/2015	120700	cpm	-0.842055676
724563.1	3949249	11994	5/12/2015	115020	cpm	-0.839111425
724560.6	3949241	12000	5/12/2015	120724	cpm	-0.830278673
724464.2	3949209	12002	5/12/2015	121015	cpm	-0.827334423
724607.7	3949190	12005	5/12/2015	114303	cpm	-0.822918047
724561	3949248	12006	5/12/2015	115022	cpm	-0.821445921
724560.2	3949241	12008	5/12/2015	120747	cpm	-0.818501671
724464	3949194	12017	5/12/2015	114710	cpm	-0.805252543
724628.2	3949197	12022	5/12/2015	114016	cpm	-0.797891917
724579.8	3949254	12022	5/12/2015	115007	cpm	-0.797891917
724595.9	3949184	12023	5/12/2015	114313	cpm	-0.796419791
724448.6	3949191	12024	5/12/2015	121523	cpm	-0.794947666
724599.8	3949255	12026	5/12/2015	114924	cpm	-0.792003415
724437.6	3949232	12030	5/12/2015	122034	cpm	-0.786114914
724448.5	3949191	12032	5/12/2015	121519	cpm	-0.783170663
724440.1	3949216	12039	5/12/2015	121919	cpm	-0.772865786
724445.4	3949212	12040	5/12/2015	121556	cpm	-0.771393661
724560.8	3949241	12042	5/12/2015	120748	cpm	-0.76844941
724587.5	3949193	12045	5/12/2015	114421	cpm	-0.764033034
724445	3949204	12046	5/12/2015	121548	cpm	-0.762560909
724598.4	3949185	12048	5/12/2015	114311	cpm	-0.759616659
724541.3	3949232	12048	5/12/2015	120849	cpm	-0.759616659
724487.8	3949200	12056	5/12/2015	114650	cpm	-0.747839656
724631.5	3949200	12058	5/12/2015	113800	cpm	-0.744895405
724541.4	3949233	12058	5/12/2015	120837	cpm	-0.744895405
724448.7	3949198	12059	5/12/2015	121512	cpm	-0.74342328
724560.5	3949241	12060	5/12/2015	120725	cpm	-0.741951155
724422	3949211	12067	5/12/2015	122553	cpm	-0.731646278
724590.5	3949182	12069	5/12/2015	114318	cpm	-0.728702027
724593.4	3949183	12071	5/12/2015	114315	cpm	-0.725757777
724432.1	3949198	12071	5/12/2015	122005	cpm	-0.725757777
724439.1	3949210	12074	5/12/2015	121923	cpm	-0.721341401
724432.7	3949204	12076	5/12/2015	122010	cpm	-0.71839715
724579.8	3949219	12079	5/12/2015	114440	cpm	-0.713980774

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724559.4	3949237	12084	5/12/2015	120816	cpm	-0.706620148
724590.6	3949181	12093	5/12/2015	114352	cpm	-0.69337102
724556.9	3949236	12095	5/12/2015	120818	cpm	-0.690426769
724465.1	3949194	12097	5/12/2015	114709	cpm	-0.687482519
724601.7	3949256	12097	5/12/2015	114927	cpm	-0.687482519
724448.6	3949191	12103	5/12/2015	121529	cpm	-0.678649767
724560.3	3949241	12104	5/12/2015	120741	cpm	-0.677177641
724532.2	3949220	12110	5/12/2015	114820	cpm	-0.66834489
724570.6	3949240	12114	5/12/2015	120807	cpm	-0.662456388
724605.1	3949259	12115	5/12/2015	114932	cpm	-0.660984263
724425.2	3949242	12115	5/12/2015	122618	cpm	-0.660984263
724560.8	3949231	12119	5/12/2015	114845	cpm	-0.655095762
724605.9	3949261	12119	5/12/2015	114936	cpm	-0.655095762
724431.2	3949189	12120	5/12/2015	121951	cpm	-0.653623636
724546	3949216	12121	5/12/2015	114603	cpm	-0.652151511
724464.8	3949207	12123	5/12/2015	121003	cpm	-0.649207261
724435.1	3949222	12125	5/12/2015	122025	cpm	-0.64626301
724421.3	3949189	12126	5/12/2015	122525	cpm	-0.644790885
724544.8	3949216	12128	5/12/2015	114604	cpm	-0.641846634
724436.2	3949192	12128	5/12/2015	121942	cpm	-0.641846634
724544	3949244	12129	5/12/2015	115257	cpm	-0.640374509
724551.2	3949257	12130	5/12/2015	115437	cpm	-0.638902383
724578.9	3949222	12131	5/12/2015	114442	cpm	-0.637430258
724631.6	3949200	12132	5/12/2015	113923	cpm	-0.635958133
724560.4	3949241	12132	5/12/2015	120732	cpm	-0.635958133
724452	3949212	12132	5/12/2015	121458	cpm	-0.635958133
724446.9	3949190	12132	5/12/2015	121534	cpm	-0.635958133
724591.3	3949182	12137	5/12/2015	114317	cpm	-0.628597506
724448.6	3949191	12137	5/12/2015	121527	cpm	-0.628597506
724464.1	3949209	12141	5/12/2015	121010	cpm	-0.622709005
724590.6	3949181	12142	5/12/2015	114353	cpm	-0.62123688
724571.1	3949237	12143	5/12/2015	124037	cpm	-0.619764754
724587.7	3949182	12145	5/12/2015	114412	cpm	-0.616820504
724424.9	3949198	12146	5/12/2015	122513	cpm	-0.615348378
724418.9	3949195	12147	5/12/2015	122538	cpm	-0.613876253
724431.7	3949189	12148	5/12/2015	121950	cpm	-0.612404128
724545.2	3949236	12153	5/12/2015	120702	cpm	-0.605043501
724525.5	3949225	12154	5/12/2015	120904	cpm	-0.603571376
724544.7	3949242	12157	5/12/2015	115035	cpm	-0.599155
724444.1	3949193	12159	5/12/2015	121539	cpm	-0.596210749
724529.8	3949220	12160	5/12/2015	114818	cpm	-0.594738624
724444.3	3949192	12163	5/12/2015	121538	cpm	-0.590322248
724605.3	3949261	12179	5/12/2015	114940	cpm	-0.566768243
724526.7	3949225	12181	5/12/2015	120903	cpm	-0.563823993



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724460.3	3949192	12182	5/12/2015	121054	cpm	-0.562351867
724445.7	3949215	12185	5/12/2015	121558	cpm	-0.557935491
724560.4	3949241	12187	5/12/2015	120733	cpm	-0.554991241
724590.4	3949181	12189	5/12/2015	114319	cpm	-0.55204699
724464.1	3949207	12189	5/12/2015	121004	cpm	-0.55204699
724560.1	3949241	12197	5/12/2015	120717	cpm	-0.540269988
724559.6	3949241	12199	5/12/2015	120714	cpm	-0.537325737
724567.1	3949241	12199	5/12/2015	120753	cpm	-0.537325737
724419.1	3949190	12199	5/12/2015	122533	cpm	-0.537325737
724432.1	3949199	12205	5/12/2015	122006	cpm	-0.528492985
724467.2	3949195	12209	5/12/2015	114707	cpm	-0.522604484
724562.1	3949232	12209	5/12/2015	114846	cpm	-0.522604484
724560.2	3949241	12213	5/12/2015	120727	cpm	-0.516715983
724569.1	3949235	12215	5/12/2015	114853	cpm	-0.513771732
724559	3949254	12221	5/12/2015	123952	cpm	-0.50493898
724550.6	3949217	12222	5/12/2015	114559	cpm	-0.503466855
724542.2	3949241	12224	5/12/2015	115037	cpm	-0.500522604
724437.9	3949203	12225	5/12/2015	121930	cpm	-0.499050479
724514.4	3949246	12227	5/12/2015	115508	cpm	-0.496106229
724450.3	3949204	12227	5/12/2015	121505	cpm	-0.496106229
724541.3	3949233	12231	5/12/2015	120843	cpm	-0.490217727
724439.3	3949212	12238	5/12/2015	121922	cpm	-0.47991285
724438.1	3949204	12240	5/12/2015	121929	cpm	-0.4769686
724541.4	3949233	12242	5/12/2015	120838	cpm	-0.474024349
724584.2	3949246	12247	5/12/2015	114909	cpm	-0.466663722
724559.1	3949219	12248	5/12/2015	114551	cpm	-0.465191597
724560.1	3949241	12253	5/12/2015	120718	cpm	-0.457830971
724437.7	3949199	12258	5/12/2015	121933	cpm	-0.450470344
724433.9	3949190	12258	5/12/2015	121947	cpm	-0.450470344
724605.1	3949262	12262	5/12/2015	114942	cpm	-0.444581843
724458.4	3949201	12263	5/12/2015	121109	cpm	-0.443109717
724573.2	3949253	12265	5/12/2015	115012	cpm	-0.440165467
724464.2	3949209	12265	5/12/2015	121012	cpm	-0.440165467
724628.2	3949197	12266	5/12/2015	114019	cpm	-0.438693342
724541.4	3949235	12266	5/12/2015	120659	cpm	-0.438693342
724568.3	3949239	12268	5/12/2015	124004	cpm	-0.435749091
724599.6	3949185	12273	5/12/2015	114310	cpm	-0.428388464
724448.6	3949191	12275	5/12/2015	121531	cpm	-0.425444214
724600.7	3949255	12277	5/12/2015	114925	cpm	-0.422499963
724529.8	3949227	12277	5/12/2015	120900	cpm	-0.422499963
724444.5	3949191	12277	5/12/2015	121537	cpm	-0.422499963
724605.9	3949261	12279	5/12/2015	114939	cpm	-0.419555713
724551	3949244	12279	5/12/2015	115030	cpm	-0.419555713
724604.7	3949263	12282	5/12/2015	114943	cpm	-0.415139337

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724440.1	3949217	12282	5/12/2015	121918	cpm	-0.415139337
724605.8	3949261	12283	5/12/2015	114938	cpm	-0.413667211
724544.9	3949225	12284	5/12/2015	114831	cpm	-0.412195086
724572.6	3949241	12286	5/12/2015	120758	cpm	-0.409250835
724560.1	3949241	12290	5/12/2015	120720	cpm	-0.403362334
724568.2	3949241	12292	5/12/2015	120754	cpm	-0.400418084
724541.3	3949233	12292	5/12/2015	120841	cpm	-0.400418084
724433.2	3949189	12303	5/12/2015	121948	cpm	-0.384224705
724512.7	3949241	12307	5/12/2015	120355	cpm	-0.378336204
724464.1	3949209	12308	5/12/2015	121016	cpm	-0.376864079
724560.4	3949241	12311	5/12/2015	120730	cpm	-0.372447703
724588.1	3949189	12313	5/12/2015	114418	cpm	-0.369503452
724525	3949219	12324	5/12/2015	114814	cpm	-0.353310074
724571.6	3949241	12324	5/12/2015	120806	cpm	-0.353310074
724497.5	3949203	12332	5/12/2015	114642	cpm	-0.341533071
724477.9	3949197	12334	5/12/2015	114658	cpm	-0.338588821
724604.5	3949187	12336	5/12/2015	114306	cpm	-0.33564457
724600.8	3949186	12340	5/12/2015	114309	cpm	-0.329756069
724606.6	3949189	12341	5/12/2015	114304	cpm	-0.328283944
724437.8	3949235	12342	5/12/2015	122036	cpm	-0.326811818
724572.7	3949241	12345	5/12/2015	120805	cpm	-0.322395442
724561.5	3949219	12346	5/12/2015	114529	cpm	-0.320923317
724519	3949248	12354	5/12/2015	115504	cpm	-0.309146315
724555.9	3949218	12356	5/12/2015	114554	cpm	-0.306202064
724560.2	3949251	12356	5/12/2015	123954	cpm	-0.306202064
724432.1	3949197	12366	5/12/2015	122004	cpm	-0.291480811
724431	3949189	12367	5/12/2015	121956	cpm	-0.290008686
724522.2	3949224	12368	5/12/2015	120907	cpm	-0.28853656
724605.5	3949188	12371	5/12/2015	114305	cpm	-0.284120184
724558	3949219	12372	5/12/2015	114552	cpm	-0.282648059
724466.1	3949195	12372	5/12/2015	114708	cpm	-0.282648059
724431.1	3949189	12382	5/12/2015	121952	cpm	-0.267926806
724599.1	3949268	12384	5/12/2015	115346	cpm	-0.264982555
724554.6	3949235	12386	5/12/2015	120820	cpm	-0.262038305
724552.9	3949263	12388	5/12/2015	123944	cpm	-0.259094054
724481.5	3949199	12389	5/12/2015	114655	cpm	-0.257621929
724587.9	3949185	12390	5/12/2015	114415	cpm	-0.256149803
724550.8	3949227	12393	5/12/2015	114836	cpm	-0.251733428
724603	3949257	12396	5/12/2015	114929	cpm	-0.247317052
724436.5	3949194	12415	5/12/2015	121940	cpm	-0.219346671
724447.7	3949190	12416	5/12/2015	121533	cpm	-0.217874545
724556.6	3949240	12420	5/12/2015	120711	cpm	-0.211986044
724589.4	3949258	12428	5/12/2015	114959	cpm	-0.200209042
724527.7	3949226	12428	5/12/2015	120902	cpm	-0.200209042

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724594.7	3949184	12433	5/12/2015	114314	cpm	-0.192848415
724582.3	3949255	12434	5/12/2015	115005	cpm	-0.19137629
724602.2	3949256	12437	5/12/2015	114928	cpm	-0.186959914
724576.7	3949241	12439	5/12/2015	114902	cpm	-0.184015663
724581	3949255	12439	5/12/2015	115006	cpm	-0.184015663
724422.8	3949219	12441	5/12/2015	122559	cpm	-0.181071413
724588.3	3949257	12443	5/12/2015	115000	cpm	-0.178127162
724440.6	3949222	12443	5/12/2015	121914	cpm	-0.178127162
724546	3949225	12445	5/12/2015	114832	cpm	-0.175182912
724548.3	3949216	12448	5/12/2015	114601	cpm	-0.170766536
724429.8	3949220	12449	5/12/2015	122452	cpm	-0.16929441
724564.7	3949249	12457	5/12/2015	115019	cpm	-0.157517408
724603.8	3949186	12459	5/12/2015	114307	cpm	-0.154573157
724457.8	3949196	12459	5/12/2015	121105	cpm	-0.154573157
724523.9	3949260	12463	5/12/2015	115739	cpm	-0.148684656
724570.7	3949237	12467	5/12/2015	124007	cpm	-0.142796155
724545.1	3949245	12470	5/12/2015	115258	cpm	-0.138379779
724549.2	3949238	12472	5/12/2015	120705	cpm	-0.135435528
724530.3	3949237	12474	5/12/2015	115047	cpm	-0.132491278
724452	3949213	12475	5/12/2015	121457	cpm	-0.131019152
724561.1	3949220	12478	5/12/2015	114549	cpm	-0.126602776
724434.3	3949216	12486	5/12/2015	122020	cpm	-0.114825774
724553.7	3949218	12492	5/12/2015	114556	cpm	-0.105993022
724558.5	3949247	12492	5/12/2015	115024	cpm	-0.105993022
724533.3	3949221	12497	5/12/2015	114821	cpm	-0.098632396
724559.5	3949218	12498	5/12/2015	114544	cpm	-0.09716027
724548.5	3949243	12501	5/12/2015	115032	cpm	-0.092743894
724565.9	3949241	12501	5/12/2015	120752	cpm	-0.092743894
724542.8	3949233	12502	5/12/2015	120830	cpm	-0.091271769
724446.8	3949252	12503	5/12/2015	121849	cpm	-0.089799644
724531.9	3949273	12503	5/12/2015	123924	cpm	-0.089799644
724471.6	3949204	12505	5/12/2015	114729	cpm	-0.086855393
724421.8	3949189	12505	5/12/2015	122523	cpm	-0.086855393
724463.8	3949202	12507	5/12/2015	114722	cpm	-0.083911143
724560.3	3949241	12507	5/12/2015	120746	cpm	-0.083911143
724563.3	3949241	12508	5/12/2015	120750	cpm	-0.082439017
724604.3	3949264	12511	5/12/2015	114944	cpm	-0.078022641
724603.3	3949270	12513	5/12/2015	115350	cpm	-0.075078391
724577.1	3949254	12514	5/12/2015	115009	cpm	-0.073606265
724575.9	3949254	12514	5/12/2015	115010	cpm	-0.073606265
724595.8	3949267	12514	5/12/2015	115343	cpm	-0.073606265
724553.4	3949235	12517	5/12/2015	120821	cpm	-0.069189889
724569.9	3949238	12524	5/12/2015	124006	cpm	-0.058885012
724551.7	3949238	12525	5/12/2015	120707	cpm	-0.057412887

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724541.4	3949233	12526	5/12/2015	120839	cpm	-0.055940762
724563.1	3949220	12529	5/12/2015	114531	cpm	-0.051524386
724560.4	3949241	12529	5/12/2015	120736	cpm	-0.051524386
724448.3	3949192	12536	5/12/2015	121517	cpm	-0.041219509
724397.9	3949330	12536	5/12/2015	123154	cpm	-0.041219509
724489	3949326	12537	5/12/2015	123500	cpm	-0.039747383
724517.7	3949262	12538	5/12/2015	115924	cpm	-0.038275258
724546.1	3949233	12539	5/12/2015	120827	cpm	-0.036803133
724602.3	3949270	12540	5/12/2015	115349	cpm	-0.035331007
724568.4	3949235	12543	5/12/2015	114852	cpm	-0.030914631
724601.1	3949256	12546	5/12/2015	114926	cpm	-0.026498256
724437.6	3949201	12546	5/12/2015	121931	cpm	-0.026498256
724541.3	3949233	12548	5/12/2015	120845	cpm	-0.023554005
724460.2	3949216	12549	5/12/2015	121120	cpm	-0.02208188
724432.4	3949201	12549	5/12/2015	122008	cpm	-0.02208188
724437.6	3949198	12550	5/12/2015	121934	cpm	-0.020609754
724574.5	3949253	12552	5/12/2015	115011	cpm	-0.017665504
724552.4	3949258	12552	5/12/2015	115436	cpm	-0.017665504
724465.5	3949207	12552	5/12/2015	121002	cpm	-0.017665504
724521.5	3949276	12555	5/12/2015	123915	cpm	-0.013249128
724531.8	3949231	12558	5/12/2015	120651	cpm	-0.008832752
724543.8	3949225	12559	5/12/2015	114830	cpm	-0.007360627
724563.7	3949220	12560	5/12/2015	114532	cpm	-0.005888501
724446.9	3949221	12560	5/12/2015	121603	cpm	-0.005888501
724460.4	3949217	12564	5/12/2015	121121	cpm	0
724435.6	3949224	12565	5/12/2015	122027	cpm	0.001472125
724522.7	3949259	12568	5/12/2015	115740	cpm	0.005888501
724550.8	3949235	12571	5/12/2015	120823	cpm	0.010304877
724547.3	3949234	12571	5/12/2015	120826	cpm	0.010304877
724557.6	3949241	12573	5/12/2015	120712	cpm	0.013249128
724578.6	3949223	12576	5/12/2015	114443	cpm	0.017665504
724556.9	3949257	12576	5/12/2015	123949	cpm	0.017665504
724582	3949244	12580	5/12/2015	114907	cpm	0.023554005
724560.4	3949241	12580	5/12/2015	120729	cpm	0.023554005
724547.2	3949243	12582	5/12/2015	115033	cpm	0.026498256
724522.8	3949276	12582	5/12/2015	123916	cpm	0.026498256
724587.6	3949188	12583	5/12/2015	114417	cpm	0.027970381
724541.3	3949233	12584	5/12/2015	120842	cpm	0.029442506
724501.7	3949264	12588	5/12/2015	120047	cpm	0.035331007
724628.2	3949197	12590	5/12/2015	114049	cpm	0.038275258
724421.9	3949215	12590	5/12/2015	122556	cpm	0.038275258
724567.7	3949234	12593	5/12/2015	114851	cpm	0.042691634
724574	3949242	12595	5/12/2015	120802	cpm	0.045635885
724420.7	3949189	12596	5/12/2015	122528	cpm	0.04710801

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724600.2	3949269	12598	5/12/2015	115347	cpm	0.05005226
724494	3949202	12599	5/12/2015	114645	cpm	0.051524386
724437.5	3949231	12601	5/12/2015	122033	cpm	0.054468636
724534.2	3949260	12603	5/12/2015	115730	cpm	0.057412887
724584.9	3949256	12604	5/12/2015	115003	cpm	0.058885012
724557	3949219	12606	5/12/2015	114553	cpm	0.061829263
724562.4	3949219	12607	5/12/2015	114530	cpm	0.063301388
724575.6	3949240	12607	5/12/2015	114901	cpm	0.063301388
724522.4	3949262	12607	5/12/2015	115920	cpm	0.063301388
724560	3949241	12607	5/12/2015	120715	cpm	0.063301388
724539.1	3949232	12607	5/12/2015	120852	cpm	0.063301388
724560.4	3949241	12612	5/12/2015	120739	cpm	0.070662015
724541.5	3949232	12623	5/12/2015	120836	cpm	0.086855393
724541.3	3949233	12626	5/12/2015	120840	cpm	0.091271769
724574.6	3949239	12627	5/12/2015	114900	cpm	0.092743894
724552.1	3949235	12628	5/12/2015	120822	cpm	0.09421602
724605.9	3949261	12637	5/12/2015	114937	cpm	0.107465147
724547.9	3949237	12638	5/12/2015	120704	cpm	0.108937273
724422.5	3949190	12644	5/12/2015	122522	cpm	0.117770025
724547.2	3949226	12648	5/12/2015	114833	cpm	0.123658526
724578.3	3949259	12651	5/12/2015	115327	cpm	0.128074902
724375.3	3949287	12651	5/12/2015	123101	cpm	0.128074902
724540.1	3949232	12653	5/12/2015	120851	cpm	0.131019152
724564.1	3949245	12655	5/12/2015	123959	cpm	0.133963403
724542.8	3949244	12656	5/12/2015	115256	cpm	0.135435528
724603.4	3949272	12656	5/12/2015	115352	cpm	0.135435528
724435.9	3949190	12656	5/12/2015	121944	cpm	0.135435528
724531	3949240	12657	5/12/2015	115246	cpm	0.136907654
724596.9	3949268	12657	5/12/2015	115344	cpm	0.136907654
724574	3949242	12657	5/12/2015	120801	cpm	0.136907654
724499.9	3949204	12659	5/12/2015	114640	cpm	0.139851904
724458.7	3949204	12661	5/12/2015	121111	cpm	0.142796155
724560.4	3949241	12667	5/12/2015	120723	cpm	0.151628907
724560.4	3949241	12667	5/12/2015	120735	cpm	0.151628907
724548.4	3949226	12671	5/12/2015	114834	cpm	0.157517408
724425.1	3949240	12672	5/12/2015	122617	cpm	0.158989533
724542.6	3949224	12674	5/12/2015	114829	cpm	0.161933784
724421.9	3949214	12675	5/12/2015	122555	cpm	0.163405909
724563.3	3949232	12680	5/12/2015	114847	cpm	0.170766536
724571.7	3949237	12680	5/12/2015	114857	cpm	0.170766536
724434	3949212	12680	5/12/2015	122017	cpm	0.170766536
724464.7	3949202	12683	5/12/2015	114723	cpm	0.175182912
724530.9	3949220	12690	5/12/2015	114819	cpm	0.185487789
724600.2	3949276	12691	5/12/2015	115357	cpm	0.186959914

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724489.3	3949326	12700	5/12/2015	123457	cpm	0.200209042
724586.1	3949256	12701	5/12/2015	115002	cpm	0.201681167
724438.7	3949208	12701	5/12/2015	121925	cpm	0.201681167
724421.3	3949189	12701	5/12/2015	122526	cpm	0.201681167
724436.9	3949196	12702	5/12/2015	121937	cpm	0.203153292
724554.8	3949218	12703	5/12/2015	114555	cpm	0.204625418
724429.6	3949263	12705	5/12/2015	122637	cpm	0.207569668
724506.3	3949218	12708	5/12/2015	120921	cpm	0.211986044
724548.4	3949234	12709	5/12/2015	120825	cpm	0.21345817
724560.5	3949241	12710	5/12/2015	120737	cpm	0.214930295
724447.3	3949224	12714	5/12/2015	121605	cpm	0.220818796
724528.2	3949274	12714	5/12/2015	123921	cpm	0.220818796
724602.7	3949274	12721	5/12/2015	115354	cpm	0.231123673
724571.5	3949241	12722	5/12/2015	120757	cpm	0.232595799
724525.9	3949274	12723	5/12/2015	123919	cpm	0.234067924
724581	3949244	12724	5/12/2015	114906	cpm	0.235540049
724541	3949241	12726	5/12/2015	115038	cpm	0.2384843
724554.5	3949261	12728	5/12/2015	123946	cpm	0.24142855
724532.1	3949241	12729	5/12/2015	115247	cpm	0.242900676
724439.5	3949213	12731	5/12/2015	121921	cpm	0.245844926
724546	3949242	12732	5/12/2015	115034	cpm	0.247317052
724512.8	3949241	12733	5/12/2015	120354	cpm	0.248789177
724562.4	3949220	12735	5/12/2015	114535	cpm	0.251733428
724470.4	3949204	12738	5/12/2015	114728	cpm	0.256149803
724549.9	3949257	12741	5/12/2015	115438	cpm	0.260566179
724433.6	3949209	12747	5/12/2015	122015	cpm	0.269398931
724420.2	3949189	12747	5/12/2015	122529	cpm	0.269398931
724601.4	3949276	12749	5/12/2015	115356	cpm	0.272343182
724454.9	3949268	12749	5/12/2015	121647	cpm	0.272343182
724573.6	3949242	12753	5/12/2015	120759	cpm	0.278231683
724421.3	3949189	12754	5/12/2015	122527	cpm	0.279703808
724590.6	3949250	12757	5/12/2015	114915	cpm	0.284120184
724434.1	3949213	12757	5/12/2015	122018	cpm	0.284120184
724468.4	3949212	12760	5/12/2015	120555	cpm	0.28853656
724550.4	3949238	12760	5/12/2015	120706	cpm	0.28853656
724504	3949218	12765	5/12/2015	120923	cpm	0.295897187
724489.2	3949327	12765	5/12/2015	123355	cpm	0.295897187
724551.7	3949217	12768	5/12/2015	114558	cpm	0.300313563
724518.3	3949258	12770	5/12/2015	115744	cpm	0.303257813
724534.5	3949230	12774	5/12/2015	120856	cpm	0.309146315
724581.5	3949269	12778	5/12/2015	115412	cpm	0.315034816
724552.7	3949217	12779	5/12/2015	114557	cpm	0.316506941
724517.7	3949253	12780	5/12/2015	115657	cpm	0.317979066
724560.5	3949241	12782	5/12/2015	120731	cpm	0.320923317



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724598	3949268	12789	5/12/2015	115345	cpm	0.331228194
724430.8	3949226	12790	5/12/2015	122446	cpm	0.332700319
724597.3	3949261	12792	5/12/2015	114952	cpm	0.33564457
724564.9	3949244	12795	5/12/2015	124000	cpm	0.340060946
724561.5	3949228	12800	5/12/2015	114503	cpm	0.347421573
724558.4	3949250	12802	5/12/2015	115309	cpm	0.350365823
724463.6	3949209	12803	5/12/2015	121017	cpm	0.351837948
724561.9	3949220	12807	5/12/2015	114537	cpm	0.35772645
724553.6	3949258	12808	5/12/2015	115435	cpm	0.359198575
724549.5	3949234	12808	5/12/2015	120824	cpm	0.359198575
724513.2	3949246	12810	5/12/2015	115509	cpm	0.362142826
724501.1	3949261	12810	5/12/2015	120034	cpm	0.362142826
724603.7	3949264	12812	5/12/2015	114945	cpm	0.365087076
724533	3949260	12812	5/12/2015	115731	cpm	0.365087076
724489.8	3949326	12812	5/12/2015	123429	cpm	0.365087076
724437.2	3949230	12815	5/12/2015	122032	cpm	0.369503452
724566.1	3949249	12826	5/12/2015	115018	cpm	0.385696831
724553	3949228	12828	5/12/2015	114838	cpm	0.388641081
724547.2	3949216	12829	5/12/2015	114602	cpm	0.390113206
724535.6	3949230	12830	5/12/2015	120855	cpm	0.391585332
724577.8	3949242	12832	5/12/2015	114903	cpm	0.394529582
724462.9	3949198	12834	5/12/2015	114717	cpm	0.397473833
724462.8	3949321	12835	5/12/2015	121733	cpm	0.398945958
724533	3949273	12838	5/12/2015	123925	cpm	0.403362334
724427.1	3949211	12842	5/12/2015	122501	cpm	0.409250835
724444.6	3949264	12844	5/12/2015	122104	cpm	0.412195086
724436.6	3949195	12845	5/12/2015	121938	cpm	0.413667211
724529.9	3949240	12848	5/12/2015	115245	cpm	0.418083587
724538	3949231	12851	5/12/2015	120853	cpm	0.422499963
724521.6	3949259	12852	5/12/2015	115741	cpm	0.423972089
724601.3	3949269	12854	5/12/2015	115348	cpm	0.426916339
724568.7	3949250	12856	5/12/2015	115016	cpm	0.42986059
724426.9	3949209	12856	5/12/2015	122503	cpm	0.42986059
724489.3	3949326	12857	5/12/2015	123409	cpm	0.431332715
724558.3	3949255	12859	5/12/2015	123951	cpm	0.434276966
724566.6	3949241	12860	5/12/2015	124002	cpm	0.435749091
724440.1	3949219	12862	5/12/2015	121916	cpm	0.438693342
724489.8	3949326	12862	5/12/2015	123430	cpm	0.438693342
724423	3949220	12863	5/12/2015	122600	cpm	0.440165467
724543.8	3949233	12867	5/12/2015	120829	cpm	0.446053968
724534.3	3949232	12870	5/12/2015	120653	cpm	0.450470344
724517.9	3949248	12874	5/12/2015	115505	cpm	0.456358845
724569.1	3949238	12878	5/12/2015	124005	cpm	0.462247346
724577.3	3949229	12880	5/12/2015	114447	cpm	0.465191597

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724541.1	3949232	12882	5/12/2015	120850	cpm	0.468135848
724572.7	3949238	12885	5/12/2015	114858	cpm	0.472552224
724574	3949242	12888	5/12/2015	120800	cpm	0.4769686
724549.6	3949269	12890	5/12/2015	123939	cpm	0.47991285
724560.3	3949241	12892	5/12/2015	120740	cpm	0.482857101
724461.1	3949219	12892	5/12/2015	121123	cpm	0.482857101
724505.2	3949218	12893	5/12/2015	120922	cpm	0.484329226
724546.3	3949245	12894	5/12/2015	115259	cpm	0.485801351
724430.5	3949225	12894	5/12/2015	122447	cpm	0.485801351
724560.6	3949222	12895	5/12/2015	114526	cpm	0.487273477
724592.9	3949259	12895	5/12/2015	114956	cpm	0.487273477
724545.6	3949255	12896	5/12/2015	115442	cpm	0.488745602
724432.6	3949314	12896	5/12/2015	122803	cpm	0.488745602
724472.7	3949204	12899	5/12/2015	114730	cpm	0.493161978
724523.3	3949261	12900	5/12/2015	115918	cpm	0.494634103
724465.8	3949202	12901	5/12/2015	114724	cpm	0.496106229
724438.1	3949237	12901	5/12/2015	122038	cpm	0.496106229
724557.6	3949256	12901	5/12/2015	123950	cpm	0.496106229
724446.6	3949250	12902	5/12/2015	121851	cpm	0.497578354
724434.5	3949217	12903	5/12/2015	122021	cpm	0.499050479
724567.3	3949250	12909	5/12/2015	115017	cpm	0.507883231
724458.3	3949200	12909	5/12/2015	121108	cpm	0.507883231
724397.9	3949330	12909	5/12/2015	123148	cpm	0.507883231
724568.8	3949254	12911	5/12/2015	115318	cpm	0.510827482
724429.1	3949261	12914	5/12/2015	122635	cpm	0.515243858
724570.5	3949236	12916	5/12/2015	114856	cpm	0.518188108
724593.8	3949251	12918	5/12/2015	114918	cpm	0.521132359
724516.6	3949253	12919	5/12/2015	115656	cpm	0.522604484
724520.6	3949276	12919	5/12/2015	123914	cpm	0.522604484
724530.8	3949274	12920	5/12/2015	123923	cpm	0.524076609
724488.9	3949326	12923	5/12/2015	123513	cpm	0.528492985
724515.2	3949262	12925	5/12/2015	115926	cpm	0.531437236
724603.7	3949271	12926	5/12/2015	115351	cpm	0.532909361
724429.3	3949219	12927	5/12/2015	122453	cpm	0.534381487
724536.8	3949231	12929	5/12/2015	120854	cpm	0.537325737
724433.2	3949206	12933	5/12/2015	122012	cpm	0.543214238
724574	3949242	12934	5/12/2015	120803	cpm	0.544686364
724404.3	3949329	12934	5/12/2015	123200	cpm	0.544686364
724579.1	3949259	12936	5/12/2015	115328	cpm	0.547630614
724520.3	3949248	12937	5/12/2015	115503	cpm	0.54910274
724540.3	3949234	12937	5/12/2015	120658	cpm	0.54910274
724535.3	3949260	12939	5/12/2015	115729	cpm	0.55204699
724548.6	3949256	12941	5/12/2015	115439	cpm	0.554991241
724435.4	3949329	12941	5/12/2015	122734	cpm	0.554991241

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724512.1	3949245	12943	5/12/2015	115510	cpm	0.557935491
724557.3	3949246	12944	5/12/2015	115025	cpm	0.559407617
724501.2	3949204	12945	5/12/2015	114639	cpm	0.560879742
724524.4	3949235	12948	5/12/2015	115052	cpm	0.565296118
724603	3949264	12952	5/12/2015	114946	cpm	0.571184619
724515.9	3949261	12953	5/12/2015	115911	cpm	0.572656745
724587.3	3949257	12954	5/12/2015	115001	cpm	0.57412887
724517.1	3949261	12956	5/12/2015	115912	cpm	0.57707312
724524.4	3949225	12956	5/12/2015	120905	cpm	0.57707312
724434.7	3949218	12958	5/12/2015	122022	cpm	0.580017371
724439.1	3949268	12960	5/12/2015	122408	cpm	0.582961622
724569.6	3949236	12961	5/12/2015	114855	cpm	0.584433747
724446.9	3949220	12961	5/12/2015	121602	cpm	0.584433747
724419.7	3949200	12961	5/12/2015	122542	cpm	0.584433747
724438.4	3949239	12964	5/12/2015	122040	cpm	0.588850123
724437.3	3949328	12966	5/12/2015	122732	cpm	0.591794374
724421	3949206	12968	5/12/2015	122548	cpm	0.594738624
724548.6	3949246	12969	5/12/2015	115301	cpm	0.596210749
724560.5	3949241	12969	5/12/2015	120738	cpm	0.596210749
724436.7	3949229	12969	5/12/2015	122031	cpm	0.596210749
724454.3	3949228	12971	5/12/2015	121444	cpm	0.599155
724427.6	3949213	12975	5/12/2015	122459	cpm	0.605043501
724569.3	3949235	12976	5/12/2015	114854	cpm	0.606515627
724544.5	3949255	12976	5/12/2015	115443	cpm	0.606515627
724489.2	3949326	12979	5/12/2015	123458	cpm	0.610932003
724484.2	3949303	12979	5/12/2015	123701	cpm	0.610932003
724518.2	3949261	12980	5/12/2015	115913	cpm	0.612404128
724572	3949252	12982	5/12/2015	115013	cpm	0.615348378
724520.7	3949236	12982	5/12/2015	115237	cpm	0.615348378
724424.9	3949239	12982	5/12/2015	122616	cpm	0.615348378
724510	3949231	12983	5/12/2015	115104	cpm	0.616820504
724554.8	3949259	12983	5/12/2015	115434	cpm	0.616820504
724489.2	3949327	12985	5/12/2015	123357	cpm	0.619764754
724512.7	3949241	12992	5/12/2015	120357	cpm	0.630069632
724376.4	3949287	12995	5/12/2015	123025	cpm	0.634486007
724591.7	3949250	12997	5/12/2015	114916	cpm	0.637430258
724507.5	3949219	13005	5/12/2015	120920	cpm	0.649207261
724543.4	3949255	13006	5/12/2015	115444	cpm	0.650679386
724376.2	3949287	13008	5/12/2015	123020	cpm	0.653623636
724489	3949326	13008	5/12/2015	123459	cpm	0.653623636
724521.7	3949261	13012	5/12/2015	115916	cpm	0.659512138
724555.2	3949260	13012	5/12/2015	123947	cpm	0.659512138
724573.1	3949256	13014	5/12/2015	115322	cpm	0.662456388
724541.3	3949233	13015	5/12/2015	120844	cpm	0.663928514

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724450.7	3949276	13015	5/12/2015	121828	cpm	0.663928514
724437.4	3949198	13015	5/12/2015	121935	cpm	0.663928514
724515.5	3949247	13016	5/12/2015	115507	cpm	0.665400639
724579.2	3949221	13020	5/12/2015	114441	cpm	0.67128914
724555.4	3949229	13020	5/12/2015	114840	cpm	0.67128914
724523.2	3949235	13020	5/12/2015	115053	cpm	0.67128914
724546.6	3949237	13023	5/12/2015	120703	cpm	0.675705516
724541.5	3949224	13025	5/12/2015	114828	cpm	0.678649767
724563.4	3949220	13027	5/12/2015	114533	cpm	0.681594017
724436.3	3949193	13028	5/12/2015	121941	cpm	0.683066143
724563.4	3949246	13031	5/12/2015	123958	cpm	0.687482519
724587.9	3949187	13037	5/12/2015	114416	cpm	0.69631527
724428.5	3949216	13038	5/12/2015	122456	cpm	0.697787396
724479.4	3949255	13041	5/12/2015	115958	cpm	0.702203772
724429.2	3949289	13050	5/12/2015	122827	cpm	0.715452899
724552.2	3949264	13050	5/12/2015	123943	cpm	0.715452899
724503	3949218	13052	5/12/2015	120924	cpm	0.71839715
724474.1	3949309	13053	5/12/2015	121247	cpm	0.719869275
724441.2	3949224	13053	5/12/2015	121912	cpm	0.719869275
724523.3	3949224	13055	5/12/2015	120906	cpm	0.722813526
724433.6	3949208	13061	5/12/2015	122014	cpm	0.731646278
724383	3949285	13062	5/12/2015	122934	cpm	0.733118403
724376.4	3949287	13062	5/12/2015	123026	cpm	0.733118403
724481.9	3949256	13064	5/12/2015	115956	cpm	0.736062654
724602.2	3949275	13065	5/12/2015	115355	cpm	0.737534779
724577.8	3949226	13069	5/12/2015	114445	cpm	0.74342328
724489.3	3949327	13071	5/12/2015	123614	cpm	0.746367531
724573.6	3949239	13075	5/12/2015	114859	cpm	0.752256032
724435	3949220	13076	5/12/2015	122024	cpm	0.753728157
724376.3	3949287	13076	5/12/2015	123008	cpm	0.753728157
724529.6	3949274	13076	5/12/2015	123922	cpm	0.753728157
724511.5	3949263	13077	5/12/2015	115929	cpm	0.755200283
724447.7	3949228	13077	5/12/2015	121608	cpm	0.755200283
724600.3	3949262	13083	5/12/2015	114949	cpm	0.764033034
724467.2	3949212	13084	5/12/2015	120554	cpm	0.76550516
724430.4	3949224	13088	5/12/2015	122448	cpm	0.771393661
724535.5	3949232	13089	5/12/2015	120654	cpm	0.772865786
724435.7	3949225	13090	5/12/2015	122028	cpm	0.774337912
724447.7	3949327	13090	5/12/2015	122203	cpm	0.774337912
724434.6	3949328	13091	5/12/2015	122735	cpm	0.775810037
724560.1	3949220	13094	5/12/2015	114550	cpm	0.780226413
724533	3949231	13094	5/12/2015	120652	cpm	0.780226413
724553.5	3949245	13095	5/12/2015	115028	cpm	0.781698538
724482.7	3949291	13095	5/12/2015	123710	cpm	0.781698538

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724498.7	3949203	13098	5/12/2015	114641	cpm	0.786114914
724546.5	3949256	13099	5/12/2015	115441	cpm	0.787587039
724425.2	3949243	13099	5/12/2015	122619	cpm	0.787587039
724599.1	3949276	13101	5/12/2015	115358	cpm	0.79053129
724567.5	3949240	13103	5/12/2015	124003	cpm	0.793475541
724583.6	3949256	13105	5/12/2015	115004	cpm	0.796419791
724514	3949262	13105	5/12/2015	115927	cpm	0.796419791
724502.4	3949204	13106	5/12/2015	114638	cpm	0.797891917
724512.7	3949241	13110	5/12/2015	120356	cpm	0.803780418
724478	3949265	13112	5/12/2015	120126	cpm	0.806724668
724535.4	3949272	13112	5/12/2015	123927	cpm	0.806724668
724489.3	3949326	13115	5/12/2015	123401	cpm	0.811141044
724559.4	3949219	13119	5/12/2015	114541	cpm	0.817029546
724438.8	3949242	13120	5/12/2015	122042	cpm	0.818501671
724592.7	3949273	13122	5/12/2015	115403	cpm	0.821445921
724446.7	3949251	13123	5/12/2015	121850	cpm	0.822918047
724545	3949233	13128	5/12/2015	120828	cpm	0.830278673
724564.5	3949263	13129	5/12/2015	115426	cpm	0.831750799
724384	3949304	13131	5/12/2015	123117	cpm	0.834695049
724560.1	3949241	13132	5/12/2015	120722	cpm	0.836167175
724500.5	3949264	13133	5/12/2015	120048	cpm	0.8376393
724560.9	3949220	13136	5/12/2015	114538	cpm	0.842055676
724430.3	3949223	13137	5/12/2015	122449	cpm	0.843527801
724489.4	3949326	13137	5/12/2015	123456	cpm	0.843527801
724505.8	3949213	13138	5/12/2015	114758	cpm	0.844999926
724437.6	3949200	13140	5/12/2015	121932	cpm	0.847944177
724558.3	3949260	13142	5/12/2015	115431	cpm	0.850888428
724557.2	3949260	13145	5/12/2015	115432	cpm	0.855304804
724469.9	3949283	13149	5/12/2015	121222	cpm	0.861193305
724566.4	3949253	13151	5/12/2015	115316	cpm	0.864137555
724446.5	3949249	13152	5/12/2015	121852	cpm	0.865609681
724522.7	3949261	13154	5/12/2015	115917	cpm	0.868553931
724419.4	3949189	13156	5/12/2015	122531	cpm	0.871498182
724559.9	3949219	13157	5/12/2015	114545	cpm	0.872970307
724427.7	3949256	13157	5/12/2015	122630	cpm	0.872970307
724540	3949259	13162	5/12/2015	115725	cpm	0.880330934
724447.1	3949254	13162	5/12/2015	121848	cpm	0.880330934
724489.2	3949326	13162	5/12/2015	123403	cpm	0.880330934
724602.2	3949264	13165	5/12/2015	114947	cpm	0.88474731
724523.9	3949276	13167	5/12/2015	123917	cpm	0.88769156
724460.7	3949272	13168	5/12/2015	121407	cpm	0.889163686
724561.7	3949220	13171	5/12/2015	114548	cpm	0.893580062
724540.4	3949243	13171	5/12/2015	115254	cpm	0.893580062
724435.2	3949190	13171	5/12/2015	121945	cpm	0.893580062

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724461	3949218	13172	5/12/2015	121122	cpm	0.895052187
724541.5	3949232	13174	5/12/2015	120835	cpm	0.897996437
724429.4	3949262	13174	5/12/2015	122636	cpm	0.897996437
724506	3949205	13177	5/12/2015	114635	cpm	0.902412813
724577.5	3949228	13178	5/12/2015	114446	cpm	0.903884939
724544.2	3949259	13181	5/12/2015	115721	cpm	0.908301315
724433.2	3949316	13181	5/12/2015	122801	cpm	0.908301315
724447.2	3949225	13182	5/12/2015	121606	cpm	0.90977344
724496.4	3949202	13184	5/12/2015	114643	cpm	0.912717691
724428.6	3949259	13185	5/12/2015	122633	cpm	0.914189816
724508.5	3949219	13187	5/12/2015	120919	cpm	0.917134066
724489.3	3949327	13187	5/12/2015	123615	cpm	0.917134066
724475.6	3949327	13189	5/12/2015	121309	cpm	0.920078317
724419.5	3949199	13189	5/12/2015	122541	cpm	0.920078317
724448.1	3949327	13189	5/12/2015	123241	cpm	0.920078317
724503.3	3949212	13191	5/12/2015	114756	cpm	0.923022568
724471.5	3949322	13195	5/12/2015	121318	cpm	0.928911069
724481.7	3949281	13195	5/12/2015	123718	cpm	0.928911069
724539.8	3949240	13196	5/12/2015	115039	cpm	0.930383194
724527.1	3949256	13198	5/12/2015	115705	cpm	0.933327445
724428.1	3949215	13199	5/12/2015	122457	cpm	0.93479957
724489.3	3949326	13199	5/12/2015	123340	cpm	0.93479957
724528.6	3949239	13201	5/12/2015	115244	cpm	0.937743821
724464.8	3949212	13201	5/12/2015	120551	cpm	0.937743821
724489	3949326	13202	5/12/2015	123501	cpm	0.939215946
724467.9	3949212	13204	5/12/2015	120525	cpm	0.942160197
724489.6	3949326	13204	5/12/2015	123428	cpm	0.942160197
724433.4	3949207	13207	5/12/2015	122013	cpm	0.946576573
724514.9	3949257	13208	5/12/2015	115747	cpm	0.948048698
724510.9	3949245	13208	5/12/2015	120340	cpm	0.948048698
724430.1	3949222	13209	5/12/2015	122450	cpm	0.949520823
724574	3949267	13211	5/12/2015	115418	cpm	0.952465074
724405.6	3949329	13211	5/12/2015	123201	cpm	0.952465074
724520.6	3949261	13212	5/12/2015	115915	cpm	0.953937199
724384.6	3949305	13214	5/12/2015	123118	cpm	0.95688145
724560.9	3949220	13216	5/12/2015	114528	cpm	0.9598257
724516.4	3949262	13217	5/12/2015	115925	cpm	0.961297826
724469.3	3949203	13218	5/12/2015	114727	cpm	0.962769951
724585.2	3949270	13221	5/12/2015	115409	cpm	0.967186327
724512.8	3949263	13221	5/12/2015	115928	cpm	0.967186327
724596.5	3949275	13224	5/12/2015	115400	cpm	0.971602703
724489.2	3949327	13227	5/12/2015	123354	cpm	0.976019079
724531.4	3949238	13229	5/12/2015	115046	cpm	0.978963329
724431.2	3949230	13230	5/12/2015	122443	cpm	0.980435455



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724575.2	3949267	13233	5/12/2015	115417	cpm	0.984851831
724456	3949327	13234	5/12/2015	123257	cpm	0.986323956
724484	3949300	13234	5/12/2015	123703	cpm	0.986323956
724526.3	3949239	13235	5/12/2015	115242	cpm	0.987796081
724468.4	3949213	13235	5/12/2015	120524	cpm	0.987796081
724546.9	3949272	13235	5/12/2015	123936	cpm	0.987796081
724518.9	3949223	13236	5/12/2015	120910	cpm	0.989268207
724461.1	3949274	13236	5/12/2015	121401	cpm	0.989268207
724383.6	3949284	13236	5/12/2015	122933	cpm	0.989268207
724443.2	3949260	13237	5/12/2015	122100	cpm	0.990740332
724556	3949259	13237	5/12/2015	123948	cpm	0.990740332
724397.9	3949330	13240	5/12/2015	123146	cpm	0.995156708
724488.9	3949326	13241	5/12/2015	123512	cpm	0.996628833
724569.7	3949251	13242	5/12/2015	115015	cpm	0.998100958
724559.6	3949261	13243	5/12/2015	115430	cpm	0.999573084
724436.2	3949228	13243	5/12/2015	122030	cpm	0.999573084
724499.4	3949260	13245	5/12/2015	120032	cpm	1.002517334
724489.3	3949326	13245	5/12/2015	123406	cpm	1.002517334
724512.6	3949241	13246	5/12/2015	120350	cpm	1.00398946
724549.5	3949217	13250	5/12/2015	114600	cpm	1.009877961
724495.2	3949202	13251	5/12/2015	114644	cpm	1.011350086
724538.1	3949242	13253	5/12/2015	115252	cpm	1.014294337
724433.7	3949328	13253	5/12/2015	122740	cpm	1.014294337
724565.5	3949233	13254	5/12/2015	114849	cpm	1.015766462
724520.7	3949227	13256	5/12/2015	120642	cpm	1.018710713
724543.5	3949216	13257	5/12/2015	114605	cpm	1.020182838
724433.8	3949211	13262	5/12/2015	122016	cpm	1.027543464
724419.1	3949196	13263	5/12/2015	122539	cpm	1.02901559
724521.8	3949237	13265	5/12/2015	115238	cpm	1.03195984
724591.4	3949273	13271	5/12/2015	115404	cpm	1.040792592
724528.4	3949261	13273	5/12/2015	115735	cpm	1.043736843
724523.1	3949228	13273	5/12/2015	120644	cpm	1.043736843
724403	3949329	13275	5/12/2015	123159	cpm	1.046681093
724430	3949221	13278	5/12/2015	122451	cpm	1.051097469
724457.2	3949327	13279	5/12/2015	123258	cpm	1.052569595
724521.2	3949223	13280	5/12/2015	120908	cpm	1.05404172
724445.9	3949216	13282	5/12/2015	121559	cpm	1.056985971
724489.1	3949327	13284	5/12/2015	123411	cpm	1.059930221
724601.3	3949263	13285	5/12/2015	114948	cpm	1.061402347
724452.1	3949214	13285	5/12/2015	121456	cpm	1.061402347
724419.3	3949189	13288	5/12/2015	122532	cpm	1.065818722
724520.7	3949234	13289	5/12/2015	115055	cpm	1.067290848
724443.2	3949259	13292	5/12/2015	122059	cpm	1.071707224
724489.1	3949327	13292	5/12/2015	123412	cpm	1.071707224

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724472	3949325	13293	5/12/2015	121316	cpm	1.073179349
724576.3	3949258	13296	5/12/2015	115325	cpm	1.077595725
724520.1	3949254	13297	5/12/2015	115659	cpm	1.07906785
724542.3	3949216	13299	5/12/2015	114606	cpm	1.082012101
724444.4	3949265	13299	5/12/2015	122105	cpm	1.082012101
724448.4	3949262	13300	5/12/2015	121841	cpm	1.083484226
724519.4	3949261	13301	5/12/2015	115914	cpm	1.084956351
724489.2	3949327	13301	5/12/2015	123531	cpm	1.084956351
724488.9	3949326	13304	5/12/2015	123504	cpm	1.089372727
724527.4	3949239	13309	5/12/2015	115243	cpm	1.096733354
724510	3949251	13310	5/12/2015	115650	cpm	1.098205479
724450.6	3949274	13313	5/12/2015	121829	cpm	1.102621855
724599.4	3949262	13314	5/12/2015	114950	cpm	1.10409398
724561.2	3949223	13316	5/12/2015	114522	cpm	1.107038231
724536.7	3949233	13318	5/12/2015	120655	cpm	1.109982482
724432.5	3949313	13322	5/12/2015	122804	cpm	1.115870983
724489.2	3949326	13322	5/12/2015	123410	cpm	1.115870983
724486.6	3949315	13323	5/12/2015	123651	cpm	1.117343108
724456.2	3949237	13327	5/12/2015	121436	cpm	1.123231609
724574.2	3949257	13328	5/12/2015	115323	cpm	1.124703735
724444.9	3949272	13328	5/12/2015	122111	cpm	1.124703735
724433.4	3949328	13331	5/12/2015	122749	cpm	1.129120111
724510.6	3949245	13332	5/12/2015	120341	cpm	1.130592236
724489.5	3949326	13333	5/12/2015	123448	cpm	1.132064361
724561.2	3949227	13335	5/12/2015	114504	cpm	1.135008612
724419.8	3949201	13335	5/12/2015	122543	cpm	1.135008612
724438.8	3949240	13337	5/12/2015	122041	cpm	1.137952863
724436.1	3949191	13339	5/12/2015	121943	cpm	1.140897113
724376.3	3949287	13339	5/12/2015	123019	cpm	1.140897113
724535.1	3949252	13341	5/12/2015	115451	cpm	1.143841364
724440.4	3949290	13341	5/12/2015	122248	cpm	1.143841364
724376.2	3949289	13341	5/12/2015	123103	cpm	1.143841364
724550.3	3949268	13341	5/12/2015	123940	cpm	1.143841364
724501.9	3949249	13343	5/12/2015	115643	cpm	1.146785614
724521.9	3949228	13344	5/12/2015	120643	cpm	1.14825774
724506.6	3949250	13345	5/12/2015	115647	cpm	1.149729865
724456.5	3949238	13346	5/12/2015	121435	cpm	1.15120199
724489.3	3949326	13347	5/12/2015	123402	cpm	1.152674116
724506.8	3949278	13347	5/12/2015	123902	cpm	1.152674116
724551.6	3949265	13347	5/12/2015	123942	cpm	1.152674116
724425.7	3949245	13349	5/12/2015	122621	cpm	1.155618366
724564.4	3949233	13350	5/12/2015	114848	cpm	1.157090492
724456.6	3949294	13351	5/12/2015	121712	cpm	1.158562617
724397.9	3949330	13351	5/12/2015	123145	cpm	1.158562617

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724489.3	3949326	13354	5/12/2015	123351	cpm	1.162978993
724582.7	3949261	13355	5/12/2015	115331	cpm	1.164451118
724509.9	3949245	13355	5/12/2015	115512	cpm	1.164451118
724519.4	3949258	13355	5/12/2015	115743	cpm	1.164451118
724560.8	3949223	13360	5/12/2015	114516	cpm	1.171811745
724426.3	3949249	13366	5/12/2015	122624	cpm	1.180644496
724445.9	3949328	13368	5/12/2015	122205	cpm	1.183588747
724428.3	3949272	13370	5/12/2015	122847	cpm	1.186532998
724529.5	3949261	13371	5/12/2015	115734	cpm	1.188005123
724456.6	3949320	13372	5/12/2015	121749	cpm	1.189477248
724382.3	3949301	13372	5/12/2015	123114	cpm	1.189477248
724448	3949304	13374	5/12/2015	122139	cpm	1.192421499
724513.7	3949260	13375	5/12/2015	115909	cpm	1.193893624
724572	3949256	13376	5/12/2015	115321	cpm	1.19536575
724542	3949233	13377	5/12/2015	120831	cpm	1.196837875
724541.2	3949254	13378	5/12/2015	115446	cpm	1.19831
724427.9	3949257	13378	5/12/2015	122631	cpm	1.19831
724462.3	3949318	13380	5/12/2015	121731	cpm	1.201254251
724440.7	3949275	13381	5/12/2015	122401	cpm	1.202726376
724397.9	3949330	13381	5/12/2015	123150	cpm	1.202726376
724450.6	3949290	13384	5/12/2015	122318	cpm	1.207142752
724423.1	3949223	13385	5/12/2015	122602	cpm	1.208614877
724489.2	3949326	13387	5/12/2015	123452	cpm	1.211559128
724580.3	3949268	13390	5/12/2015	115413	cpm	1.215975504
724536.4	3949260	13390	5/12/2015	115728	cpm	1.215975504
724462.6	3949319	13391	5/12/2015	121732	cpm	1.217447629
724444.4	3949263	13394	5/12/2015	122103	cpm	1.221864005
724429.9	3949264	13394	5/12/2015	122638	cpm	1.221864005
724559.5	3949250	13396	5/12/2015	115310	cpm	1.224808256
724559.4	3949219	13402	5/12/2015	114540	cpm	1.233641008
724560.8	3949219	13402	5/12/2015	114547	cpm	1.233641008
724489.3	3949326	13405	5/12/2015	123407	cpm	1.238057383
724450.2	3949241	13406	5/12/2015	121619	cpm	1.239529509
724594	3949274	13408	5/12/2015	115402	cpm	1.242473759
724454.7	3949327	13408	5/12/2015	123256	cpm	1.242473759
724561.6	3949229	13410	5/12/2015	114502	cpm	1.24541801
724577.4	3949258	13411	5/12/2015	115326	cpm	1.246890135
724437.3	3949258	13411	5/12/2015	122417	cpm	1.246890135
724376.4	3949287	13411	5/12/2015	123011	cpm	1.246890135
724489.1	3949326	13412	5/12/2015	123451	cpm	1.248362261
724528.3	3949256	13417	5/12/2015	115706	cpm	1.255722887
724512.7	3949260	13417	5/12/2015	115908	cpm	1.255722887
724512.4	3949241	13417	5/12/2015	120348	cpm	1.255722887
724489.3	3949327	13418	5/12/2015	123617	cpm	1.257195012

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724489.8	3949326	13420	5/12/2015	123434	cpm	1.260139263
724386.4	3949308	13421	5/12/2015	123121	cpm	1.261611388
724510.4	3949263	13423	5/12/2015	115930	cpm	1.264555639
724559.7	3949218	13424	5/12/2015	114542	cpm	1.266027764
724489.3	3949326	13424	5/12/2015	123344	cpm	1.266027764
724469.6	3949213	13425	5/12/2015	120556	cpm	1.26749989
724440.9	3949223	13425	5/12/2015	121913	cpm	1.26749989
724488.9	3949326	13426	5/12/2015	123503	cpm	1.268972015
724483	3949294	13427	5/12/2015	123708	cpm	1.27044414
724597.8	3949275	13429	5/12/2015	115359	cpm	1.273388391
724587.3	3949263	13432	5/12/2015	115335	cpm	1.277804767
724512.6	3949241	13432	5/12/2015	120359	cpm	1.277804767
724448.6	3949263	13432	5/12/2015	121840	cpm	1.277804767
724563.6	3949231	13436	5/12/2015	114500	cpm	1.283693268
724376.8	3949290	13436	5/12/2015	123104	cpm	1.283693268
724538.6	3949240	13437	5/12/2015	115040	cpm	1.285165393
724385.4	3949284	13437	5/12/2015	122931	cpm	1.285165393
724512.6	3949241	13438	5/12/2015	120402	cpm	1.286637519
724502.9	3949264	13445	5/12/2015	120046	cpm	1.296942396
724488.9	3949326	13446	5/12/2015	123511	cpm	1.298414521
724525.2	3949238	13449	5/12/2015	115241	cpm	1.302830897
724521.9	3949235	13451	5/12/2015	115054	cpm	1.305775148
724532.6	3949238	13452	5/12/2015	115045	cpm	1.307247273
724474.4	3949311	13455	5/12/2015	121249	cpm	1.311663649
724453.9	3949259	13456	5/12/2015	121634	cpm	1.313135774
724561.1	3949223	13457	5/12/2015	114520	cpm	1.314607899
724456.8	3949296	13457	5/12/2015	121713	cpm	1.314607899
724444.5	3949266	13458	5/12/2015	122106	cpm	1.316080025
724449.6	3949327	13459	5/12/2015	122201	cpm	1.31755215
724428.9	3949217	13459	5/12/2015	122455	cpm	1.31755215
724570.8	3949255	13461	5/12/2015	115320	cpm	1.320496401
724470.3	3949317	13461	5/12/2015	121323	cpm	1.320496401
724381.1	3949299	13461	5/12/2015	123112	cpm	1.320496401
724489.4	3949326	13461	5/12/2015	123455	cpm	1.320496401
724375.1	3949288	13463	5/12/2015	123045	cpm	1.323440651
724545.6	3949272	13463	5/12/2015	123935	cpm	1.323440651
724448	3949261	13466	5/12/2015	121842	cpm	1.327857027
724488.9	3949326	13466	5/12/2015	123507	cpm	1.327857027
724555.9	3949259	13469	5/12/2015	115433	cpm	1.332273403
724382.8	3949302	13469	5/12/2015	123115	cpm	1.332273403
724464.7	3949212	13472	5/12/2015	120529	cpm	1.336689779
724386.8	3949309	13474	5/12/2015	123122	cpm	1.33963403
724520.5	3949259	13476	5/12/2015	115742	cpm	1.34257828
724541.2	3949259	13479	5/12/2015	115724	cpm	1.346994656

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724512.7	3949241	13480	5/12/2015	120358	cpm	1.348466781
724489.1	3949326	13480	5/12/2015	123558	cpm	1.348466781
724518.4	3949226	13483	5/12/2015	120640	cpm	1.352883157
724525.6	3949236	13485	5/12/2015	115051	cpm	1.355827408
724433.8	3949328	13485	5/12/2015	122741	cpm	1.355827408
724587.7	3949271	13487	5/12/2015	115407	cpm	1.358771659
724536.9	3949242	13488	5/12/2015	115251	cpm	1.360243784
724466.5	3949207	13488	5/12/2015	121001	cpm	1.360243784
724595.3	3949274	13491	5/12/2015	115401	cpm	1.36466016
724468.5	3949309	13491	5/12/2015	121330	cpm	1.36466016
724512.4	3949241	13492	5/12/2015	120347	cpm	1.366132285
724471.1	3949327	13492	5/12/2015	123309	cpm	1.366132285
724489.2	3949327	13492	5/12/2015	123358	cpm	1.366132285
724497.5	3949251	13493	5/12/2015	115802	cpm	1.36760441
724577	3949232	13494	5/12/2015	114449	cpm	1.369076536
724444.6	3949328	13494	5/12/2015	122208	cpm	1.369076536
724489.2	3949326	13494	5/12/2015	123404	cpm	1.369076536
724548.9	3949270	13497	5/12/2015	123938	cpm	1.373492912
724559.6	3949218	13498	5/12/2015	114543	cpm	1.374965037
724377.3	3949291	13498	5/12/2015	123105	cpm	1.374965037
724433.7	3949328	13500	5/12/2015	122743	cpm	1.377909288
724374.3	3949286	13501	5/12/2015	123059	cpm	1.379381413
724579	3949268	13502	5/12/2015	115414	cpm	1.380853538
724508.6	3949275	13502	5/12/2015	123805	cpm	1.380853538
724501.7	3949275	13502	5/12/2015	123812	cpm	1.380853538
724504.2	3949250	13503	5/12/2015	115645	cpm	1.382325664
724498.3	3949264	13505	5/12/2015	120050	cpm	1.385269914
724557.2	3949249	13506	5/12/2015	115308	cpm	1.386742039
724531.9	3949260	13506	5/12/2015	115732	cpm	1.386742039
724442.6	3949287	13507	5/12/2015	122257	cpm	1.388214165
724483.3	3949295	13510	5/12/2015	123707	cpm	1.392630541
724465.7	3949213	13511	5/12/2015	120528	cpm	1.394102666
724432.9	3949205	13513	5/12/2015	122011	cpm	1.397046917
724515.6	3949253	13515	5/12/2015	115655	cpm	1.399991167
724519.5	3949277	13515	5/12/2015	123913	cpm	1.399991167
724439.3	3949325	13522	5/12/2015	122728	cpm	1.410296044
724554.8	3949245	13523	5/12/2015	115027	cpm	1.41176817
724397.9	3949330	13523	5/12/2015	123152	cpm	1.41176817
724512.5	3949240	13524	5/12/2015	120405	cpm	1.413240295
724376.3	3949287	13528	5/12/2015	122949	cpm	1.419128796
724561.1	3949223	13530	5/12/2015	114524	cpm	1.422073047
724509.5	3949274	13530	5/12/2015	123803	cpm	1.422073047
724527.3	3949261	13535	5/12/2015	115736	cpm	1.429433673
724446.6	3949218	13536	5/12/2015	121601	cpm	1.430905799

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724438.6	3949266	13536	5/12/2015	122410	cpm	1.430905799
724461.7	3949279	13541	5/12/2015	121356	cpm	1.438266425
724465.1	3949212	13542	5/12/2015	120540	cpm	1.439738551
724432.4	3949234	13542	5/12/2015	122439	cpm	1.439738551
724489.4	3949326	13542	5/12/2015	123420	cpm	1.439738551
724436.9	3949256	13544	5/12/2015	122418	cpm	1.442682801
724504.6	3949213	13547	5/12/2015	114757	cpm	1.447099177
724448	3949229	13551	5/12/2015	121609	cpm	1.452987678
724578.1	3949225	13554	5/12/2015	114444	cpm	1.457404054
724519.5	3949227	13554	5/12/2015	120641	cpm	1.457404054
724397.9	3949330	13554	5/12/2015	123153	cpm	1.457404054
724481.5	3949281	13555	5/12/2015	123838	cpm	1.45887618
724519.4	3949236	13559	5/12/2015	115236	cpm	1.464764681
724450.9	3949327	13559	5/12/2015	123253	cpm	1.464764681
724447.2	3949255	13560	5/12/2015	121847	cpm	1.466236806
724440	3949328	13562	5/12/2015	123229	cpm	1.469181057
724489.2	3949326	13562	5/12/2015	123544	cpm	1.469181057
724461.2	3949311	13564	5/12/2015	121726	cpm	1.472125307
724389.7	3949314	13564	5/12/2015	123127	cpm	1.472125307
724468.1	3949203	13565	5/12/2015	114726	cpm	1.473597433
724434.9	3949219	13566	5/12/2015	122023	cpm	1.475069558
724465.1	3949212	13570	5/12/2015	120543	cpm	1.480958059
724489.5	3949326	13570	5/12/2015	123447	cpm	1.480958059
724488.9	3949326	13570	5/12/2015	123515	cpm	1.480958059
724586.4	3949271	13571	5/12/2015	115408	cpm	1.482430184
724523.5	3949255	13572	5/12/2015	115702	cpm	1.48390231
724469.8	3949281	13572	5/12/2015	121220	cpm	1.48390231
724424.9	3949238	13572	5/12/2015	122615	cpm	1.48390231
724429.3	3949273	13573	5/12/2015	122843	cpm	1.485374435
724420.7	3949205	13575	5/12/2015	122547	cpm	1.488318686
724380.1	3949285	13575	5/12/2015	122938	cpm	1.488318686
724490.7	3949281	13575	5/12/2015	123847	cpm	1.488318686
724426	3949246	13576	5/12/2015	122622	cpm	1.489790811
724489.2	3949326	13576	5/12/2015	123601	cpm	1.489790811
724481.1	3949281	13578	5/12/2015	123837	cpm	1.492735062
724517.2	3949257	13580	5/12/2015	115745	cpm	1.495679312
724433.8	3949328	13580	5/12/2015	122748	cpm	1.495679312
724488.8	3949326	13580	5/12/2015	123521	cpm	1.495679312
724594.7	3949267	13581	5/12/2015	115342	cpm	1.497151438
724463.6	3949327	13581	5/12/2015	123303	cpm	1.497151438
724499.6	3949263	13582	5/12/2015	120049	cpm	1.498623563
724433.7	3949328	13582	5/12/2015	122737	cpm	1.498623563
724476.3	3949322	13584	5/12/2015	121259	cpm	1.501567813
724488.9	3949326	13584	5/12/2015	123509	cpm	1.501567813

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724518.2	3949236	13586	5/12/2015	115235	cpm	1.504512064
724426.4	3949250	13586	5/12/2015	122625	cpm	1.504512064
724516.7	3949222	13587	5/12/2015	120912	cpm	1.505984189
724442.4	3949232	13587	5/12/2015	121906	cpm	1.505984189
724506.9	3949262	13588	5/12/2015	120039	cpm	1.507456315
724537.9	3949233	13588	5/12/2015	120656	cpm	1.507456315
724444.2	3949320	13588	5/12/2015	122220	cpm	1.507456315
724398.5	3949329	13589	5/12/2015	123155	cpm	1.50892844
724547.5	3949245	13590	5/12/2015	115300	cpm	1.510400565
724452.9	3949221	13590	5/12/2015	121450	cpm	1.510400565
724374.7	3949287	13590	5/12/2015	123058	cpm	1.510400565
724489.1	3949326	13590	5/12/2015	123559	cpm	1.510400565
724448.4	3949305	13592	5/12/2015	122140	cpm	1.513344816
724529.2	3949237	13594	5/12/2015	115048	cpm	1.516289067
724484.6	3949281	13594	5/12/2015	123842	cpm	1.516289067
724423.1	3949221	13595	5/12/2015	122601	cpm	1.517761192
724424.7	3949237	13596	5/12/2015	122614	cpm	1.519233317
724470.8	3949289	13597	5/12/2015	121229	cpm	1.520705442
724440.4	3949290	13597	5/12/2015	122247	cpm	1.520705442
724455.8	3949315	13598	5/12/2015	121753	cpm	1.522177568
724537.9	3949272	13599	5/12/2015	123929	cpm	1.523649693
724428.3	3949258	13600	5/12/2015	122632	cpm	1.525121818
724489.2	3949327	13600	5/12/2015	123622	cpm	1.525121818
724511.4	3949244	13601	5/12/2015	120343	cpm	1.526593944
724488.9	3949326	13603	5/12/2015	123516	cpm	1.529538194
724433.4	3949317	13606	5/12/2015	122800	cpm	1.53395457
724461.7	3949314	13607	5/12/2015	121728	cpm	1.535426696
724489.2	3949326	13608	5/12/2015	123603	cpm	1.536898821
724444	3949239	13609	5/12/2015	121900	cpm	1.538370946
724433.6	3949320	13612	5/12/2015	122757	cpm	1.542787322
724489.3	3949326	13612	5/12/2015	123339	cpm	1.542787322
724441.5	3949328	13613	5/12/2015	123231	cpm	1.544259447
724438	3949236	13616	5/12/2015	122037	cpm	1.548675823
724505.4	3949250	13618	5/12/2015	115646	cpm	1.551620074
724446.7	3949327	13618	5/12/2015	122204	cpm	1.551620074
724511	3949245	13619	5/12/2015	120338	cpm	1.553092199
724511	3949245	13619	5/12/2015	120342	cpm	1.553092199
724560.8	3949223	13620	5/12/2015	114517	cpm	1.554564325
724475.8	3949327	13621	5/12/2015	121308	cpm	1.55603645
724522.4	3949254	13622	5/12/2015	115701	cpm	1.557508575
724446.1	3949290	13622	5/12/2015	122326	cpm	1.557508575
724525	3949260	13623	5/12/2015	115738	cpm	1.5589807
724469.2	3949279	13623	5/12/2015	121218	cpm	1.5589807
724584	3949270	13624	5/12/2015	115410	cpm	1.560452826



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724586.1	3949262	13625	5/12/2015	115334	cpm	1.561924951
724379.8	3949296	13625	5/12/2015	123110	cpm	1.561924951
724560.2	3949219	13626	5/12/2015	114546	cpm	1.563397076
724499.9	3949261	13628	5/12/2015	115940	cpm	1.566341327
724464.6	3949212	13629	5/12/2015	120550	cpm	1.567813452
724489.4	3949326	13629	5/12/2015	123426	cpm	1.567813452
724478	3949265	13630	5/12/2015	120125	cpm	1.569285578
724467.3	3949213	13630	5/12/2015	120526	cpm	1.569285578
724443.4	3949237	13631	5/12/2015	121902	cpm	1.570757703
724463.9	3949290	13632	5/12/2015	121347	cpm	1.572229828
724489.2	3949327	13635	5/12/2015	123353	cpm	1.576646204
724561.2	3949223	13639	5/12/2015	114512	cpm	1.582534705
724562.4	3949230	13640	5/12/2015	114501	cpm	1.584006831
724434.1	3949241	13644	5/12/2015	122433	cpm	1.589895332
724478	3949265	13645	5/12/2015	120123	cpm	1.591367457
724512.7	3949241	13645	5/12/2015	120352	cpm	1.591367457
724544.6	3949259	13646	5/12/2015	115720	cpm	1.592839583
724463.1	3949322	13647	5/12/2015	121734	cpm	1.594311708
724442.9	3949234	13648	5/12/2015	121904	cpm	1.595783833
724379.2	3949295	13649	5/12/2015	123109	cpm	1.597255958
724556	3949249	13651	5/12/2015	115307	cpm	1.600200209
724469.9	3949313	13651	5/12/2015	121326	cpm	1.600200209
724489.3	3949326	13651	5/12/2015	123343	cpm	1.600200209
724534.5	3949241	13652	5/12/2015	115249	cpm	1.601672334
724511.5	3949260	13653	5/12/2015	115907	cpm	1.60314446
724512	3949242	13653	5/12/2015	120346	cpm	1.60314446
724445.2	3949328	13654	5/12/2015	122206	cpm	1.604616585
724449.3	3949327	13656	5/12/2015	123238	cpm	1.607560836
724471.7	3949324	13657	5/12/2015	121317	cpm	1.609032961
724489.5	3949326	13657	5/12/2015	123449	cpm	1.609032961
724560.9	3949223	13658	5/12/2015	114518	cpm	1.610505086
724504.8	3949205	13659	5/12/2015	114636	cpm	1.611977212
724489.3	3949326	13659	5/12/2015	123341	cpm	1.611977212
724457.4	3949325	13660	5/12/2015	121745	cpm	1.613449337
724598.4	3949262	13661	5/12/2015	114951	cpm	1.614921462
724570.9	3949252	13662	5/12/2015	115014	cpm	1.616393587
724502.1	3949261	13663	5/12/2015	120035	cpm	1.617865713
724469.6	3949280	13663	5/12/2015	121219	cpm	1.617865713
724442.4	3949290	13664	5/12/2015	122345	cpm	1.619337838
724477.7	3949265	13666	5/12/2015	120207	cpm	1.622282089
724474.7	3949327	13666	5/12/2015	121310	cpm	1.622282089
724511	3949245	13668	5/12/2015	120339	cpm	1.625226339
724489.7	3949326	13668	5/12/2015	123440	cpm	1.625226339
724461.8	3949315	13669	5/12/2015	121729	cpm	1.626698465

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724533.3	3949241	13670	5/12/2015	115248	cpm	1.62817059
724542.3	3949259	13670	5/12/2015	115723	cpm	1.62817059
724391.2	3949281	13670	5/12/2015	122924	cpm	1.62817059
724375.2	3949288	13670	5/12/2015	123053	cpm	1.62817059
724502.2	3949242	13671	5/12/2015	115519	cpm	1.629642715
724530.5	3949230	13672	5/12/2015	120650	cpm	1.631111484
724446.9	3949296	13672	5/12/2015	122132	cpm	1.631111484
724454.5	3949229	13674	5/12/2015	121443	cpm	1.634059091
724541.4	3949232	13675	5/12/2015	120834	cpm	1.635531216
724463.5	3949289	13676	5/12/2015	121348	cpm	1.637003342
724452.7	3949220	13676	5/12/2015	121451	cpm	1.637003342
724575.3	3949257	13677	5/12/2015	115324	cpm	1.638475467
724484	3949256	13677	5/12/2015	115954	cpm	1.638475467
724374.8	3949286	13677	5/12/2015	123100	cpm	1.638475467
724443.5	3949261	13678	5/12/2015	122101	cpm	1.639947592
724489.3	3949326	13683	5/12/2015	123408	cpm	1.647308219
724525.3	3949250	13685	5/12/2015	115459	cpm	1.650252469
724503	3949250	13685	5/12/2015	115644	cpm	1.650252469
724454	3949260	13689	5/12/2015	121635	cpm	1.656140971
724489.2	3949327	13689	5/12/2015	123400	cpm	1.656140971
724503.3	3949242	13691	5/12/2015	115518	cpm	1.659085221
724469	3949310	13691	5/12/2015	121329	cpm	1.659085221
724489.4	3949327	13692	5/12/2015	123532	cpm	1.660557347
724526.7	3949236	13694	5/12/2015	115050	cpm	1.663501597
724465.7	3949253	13694	5/12/2015	121152	cpm	1.663501597
724429.3	3949290	13694	5/12/2015	122826	cpm	1.663501597
724427.1	3949210	13696	5/12/2015	122502	cpm	1.666445848
724452.2	3949215	13698	5/12/2015	121455	cpm	1.669390098
724455.9	3949288	13698	5/12/2015	121707	cpm	1.669390098
724443.6	3949327	13698	5/12/2015	123233	cpm	1.669390098
724485.9	3949281	13699	5/12/2015	123843	cpm	1.670862224
724443.7	3949238	13700	5/12/2015	121901	cpm	1.672334349
724478.2	3949265	13701	5/12/2015	120154	cpm	1.673806474
724433.6	3949319	13702	5/12/2015	122758	cpm	1.6752786
724444.1	3949321	13703	5/12/2015	122219	cpm	1.676750725
724485.8	3949253	13704	5/12/2015	115845	cpm	1.67822285
724492.8	3949250	13705	5/12/2015	115806	cpm	1.679694976
724433.3	3949327	13705	5/12/2015	122751	cpm	1.679694976
724488.9	3949326	13705	5/12/2015	123505	cpm	1.679694976
724460	3949306	13706	5/12/2015	121722	cpm	1.681167101
724446.7	3949293	13706	5/12/2015	122130	cpm	1.681167101
724381.8	3949299	13707	5/12/2015	123113	cpm	1.682639226
724489.2	3949326	13707	5/12/2015	123641	cpm	1.682639226
724444.8	3949243	13708	5/12/2015	121857	cpm	1.684111352

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724430.7	3949268	13708	5/12/2015	122641	cpm	1.684111352
724507.4	3949244	13709	5/12/2015	120332	cpm	1.685583477
724454.7	3949230	13709	5/12/2015	121442	cpm	1.685583477
724440.9	3949277	13709	5/12/2015	122400	cpm	1.685583477
724398	3949330	13710	5/12/2015	123147	cpm	1.687055602
724431.1	3949228	13712	5/12/2015	122445	cpm	1.689999853
724444	3949322	13713	5/12/2015	122218	cpm	1.691471978
724540.4	3949272	13714	5/12/2015	123931	cpm	1.692944103
724461.2	3949221	13716	5/12/2015	121124	cpm	1.695888354
724488.9	3949326	13718	5/12/2015	123525	cpm	1.698832605
724478	3949265	13720	5/12/2015	120127	cpm	1.701776855
724427.8	3949254	13725	5/12/2015	122629	cpm	1.709137482
724473.8	3949307	13727	5/12/2015	121246	cpm	1.712081732
724471.3	3949321	13729	5/12/2015	121319	cpm	1.715025983
724450.5	3949321	13729	5/12/2015	122153	cpm	1.715025983
724480.9	3949279	13729	5/12/2015	123720	cpm	1.715025983
724589.6	3949249	13732	5/12/2015	114914	cpm	1.719442359
724429.3	3949291	13732	5/12/2015	122825	cpm	1.719442359
724429.3	3949274	13732	5/12/2015	122842	cpm	1.719442359
724470	3949284	13733	5/12/2015	121223	cpm	1.720914484
724401.8	3949329	13733	5/12/2015	123158	cpm	1.720914484
724489.5	3949326	13733	5/12/2015	123445	cpm	1.720914484
724494	3949250	13737	5/12/2015	115805	cpm	1.726802985
724467.7	3949207	13740	5/12/2015	121000	cpm	1.731219361
724442.5	3949328	13740	5/12/2015	123232	cpm	1.731219361
724376.3	3949287	13741	5/12/2015	123018	cpm	1.732691487
724464.6	3949212	13743	5/12/2015	120530	cpm	1.735635737
724502.1	3949212	13744	5/12/2015	114755	cpm	1.737107863
724537.6	3949253	13744	5/12/2015	115449	cpm	1.737107863
724507.8	3949275	13745	5/12/2015	123806	cpm	1.738579988
724447.5	3949302	13746	5/12/2015	122137	cpm	1.740052113
724433.2	3949326	13747	5/12/2015	122752	cpm	1.741524239
724502.5	3949243	13748	5/12/2015	120326	cpm	1.742996364
724511.9	3949220	13749	5/12/2015	120916	cpm	1.744468489
724510.7	3949240	13750	5/12/2015	120415	cpm	1.745940614
724448	3949327	13751	5/12/2015	123249	cpm	1.74741274
724500.9	3949212	13755	5/12/2015	114754	cpm	1.753301241
724489.1	3949326	13755	5/12/2015	123419	cpm	1.753301241
724457.4	3949278	13756	5/12/2015	121658	cpm	1.754773366
724445.1	3949244	13756	5/12/2015	121856	cpm	1.754773366
724443.1	3949236	13756	5/12/2015	121903	cpm	1.754773366
724512.8	3949241	13757	5/12/2015	120353	cpm	1.756245492
724527.9	3949236	13759	5/12/2015	115049	cpm	1.759189742
724512.4	3949231	13759	5/12/2015	115102	cpm	1.759189742

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724455	3949268	13759	5/12/2015	121649	cpm	1.759189742
724438.8	3949267	13760	5/12/2015	122409	cpm	1.760661868
724387.4	3949310	13760	5/12/2015	123123	cpm	1.760661868
724507.7	3949250	13761	5/12/2015	115648	cpm	1.762133993
724445.7	3949247	13763	5/12/2015	121854	cpm	1.765078243
724541.4	3949232	13765	5/12/2015	120833	cpm	1.768022494
724457.5	3949326	13765	5/12/2015	121744	cpm	1.768022494
724531.4	3949251	13766	5/12/2015	115454	cpm	1.769494619
724442.6	3949289	13766	5/12/2015	122336	cpm	1.769494619
724487.2	3949281	13766	5/12/2015	123844	cpm	1.769494619
724444.3	3949240	13767	5/12/2015	121859	cpm	1.770966745
724517.8	3949222	13768	5/12/2015	120911	cpm	1.77243887
724461.4	3949222	13768	5/12/2015	121125	cpm	1.77243887
724432.3	3949310	13770	5/12/2015	122806	cpm	1.775383121
724387.9	3949283	13770	5/12/2015	122928	cpm	1.775383121
724375.1	3949288	13770	5/12/2015	123051	cpm	1.775383121
724499.6	3949275	13770	5/12/2015	123814	cpm	1.775383121
724483.6	3949253	13772	5/12/2015	115843	cpm	1.778327371
724448.6	3949327	13772	5/12/2015	123251	cpm	1.778327371
724376.3	3949287	13774	5/12/2015	122950	cpm	1.781271622
724397.9	3949330	13774	5/12/2015	123151	cpm	1.781271622
724489.3	3949326	13774	5/12/2015	123352	cpm	1.781271622
724488.9	3949326	13777	5/12/2015	123508	cpm	1.785687998
724522.8	3949249	13780	5/12/2015	115501	cpm	1.790104374
724503.7	3949205	13781	5/12/2015	114637	cpm	1.791576499
724551	3949267	13781	5/12/2015	123941	cpm	1.791576499
724524.7	3949255	13784	5/12/2015	115703	cpm	1.795992875
724427.9	3949214	13784	5/12/2015	122458	cpm	1.795992875
724526.5	3949250	13786	5/12/2015	115458	cpm	1.798937126
724433.7	3949328	13787	5/12/2015	122742	cpm	1.800409251
724444.8	3949271	13788	5/12/2015	122110	cpm	1.801881376
724489.1	3949326	13788	5/12/2015	123326	cpm	1.801881376
724489.8	3949326	13790	5/12/2015	123437	cpm	1.804825627
724502.6	3949275	13791	5/12/2015	123811	cpm	1.806297752
724561.1	3949223	13792	5/12/2015	114513	cpm	1.807769877
724489.2	3949326	13793	5/12/2015	123545	cpm	1.809242003
724450.5	3949327	13794	5/12/2015	122200	cpm	1.810714128
724488.9	3949326	13794	5/12/2015	123529	cpm	1.810714128
724534.9	3949239	13795	5/12/2015	115043	cpm	1.812186253
724393.5	3949281	13795	5/12/2015	122922	cpm	1.812186253
724462.7	3949286	13796	5/12/2015	121350	cpm	1.813658379
724442.5	3949256	13799	5/12/2015	122057	cpm	1.818074755
724478	3949265	13800	5/12/2015	120138	cpm	1.81954688
724508	3949278	13800	5/12/2015	123903	cpm	1.81954688

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724432.4	3949311	13801	5/12/2015	122805	cpm	1.821019005
724375.1	3949288	13805	5/12/2015	123039	cpm	1.826907506
724468.8	3949272	13806	5/12/2015	121210	cpm	1.828379632
724441.7	3949290	13806	5/12/2015	122346	cpm	1.828379632
724429	3949288	13806	5/12/2015	122828	cpm	1.828379632
724445.9	3949283	13807	5/12/2015	122120	cpm	1.829851757
724444.5	3949328	13807	5/12/2015	122213	cpm	1.829851757
724489.2	3949326	13807	5/12/2015	123547	cpm	1.829851757
724561.2	3949223	13808	5/12/2015	114511	cpm	1.831323882
724444.5	3949242	13808	5/12/2015	121858	cpm	1.831323882
724452.6	3949291	13809	5/12/2015	121814	cpm	1.832796008
724539	3949234	13810	5/12/2015	120657	cpm	1.834268133
724431.8	3949232	13810	5/12/2015	122441	cpm	1.834268133
724453.5	3949327	13811	5/12/2015	123255	cpm	1.835740258
724464.8	3949212	13813	5/12/2015	120544	cpm	1.838684509
724508.8	3949251	13815	5/12/2015	115649	cpm	1.841628759
724376.4	3949287	13816	5/12/2015	123010	cpm	1.843100885
724503.2	3949261	13817	5/12/2015	120036	cpm	1.84457301
724489.8	3949326	13818	5/12/2015	123439	cpm	1.846045135
724510.3	3949259	13819	5/12/2015	115906	cpm	1.847517261
724462.4	3949231	13819	5/12/2015	121132	cpm	1.847517261
724445.5	3949275	13819	5/12/2015	122113	cpm	1.847517261
724489.5	3949326	13819	5/12/2015	123444	cpm	1.847517261
724436.6	3949255	13823	5/12/2015	122419	cpm	1.853405762
724489.2	3949326	13824	5/12/2015	123602	cpm	1.854877887
724423.5	3949229	13825	5/12/2015	122607	cpm	1.856350013
724571.6	3949266	13826	5/12/2015	115420	cpm	1.857822138
724425.4	3949244	13826	5/12/2015	122620	cpm	1.857822138
724431.9	3949328	13826	5/12/2015	123222	cpm	1.857822138
724465.1	3949212	13827	5/12/2015	120541	cpm	1.859294263
724500.5	3949275	13827	5/12/2015	123813	cpm	1.859294263
724503.7	3949279	13827	5/12/2015	123859	cpm	1.859294263
724462.5	3949285	13828	5/12/2015	121351	cpm	1.860766388
724449.3	3949290	13828	5/12/2015	122321	cpm	1.860766388
724431.3	3949231	13828	5/12/2015	122442	cpm	1.860766388
724469.9	3949282	13829	5/12/2015	121221	cpm	1.862238514
724538.8	3949260	13831	5/12/2015	115726	cpm	1.865182764
724446.4	3949292	13833	5/12/2015	122129	cpm	1.868127015
724519.5	3949234	13835	5/12/2015	115056	cpm	1.871071266
724483	3949256	13836	5/12/2015	115955	cpm	1.872543391
724549.6	3949246	13837	5/12/2015	115302	cpm	1.874015516
724530.7	3949260	13837	5/12/2015	115733	cpm	1.874015516
724487.4	3949259	13837	5/12/2015	120022	cpm	1.874015516
724489.1	3949326	13837	5/12/2015	123454	cpm	1.874015516

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724491.6	3949275	13837	5/12/2015	123821	cpm	1.874015516
724489.3	3949326	13840	5/12/2015	123337	cpm	1.878431892
724454.2	3949261	13842	5/12/2015	121636	cpm	1.881376143
724512.6	3949241	13843	5/12/2015	120404	cpm	1.882848268
724489.1	3949326	13844	5/12/2015	123557	cpm	1.884320393
724535.6	3949258	13846	5/12/2015	115712	cpm	1.887264644
724474.6	3949312	13846	5/12/2015	121250	cpm	1.887264644
724482.6	3949290	13846	5/12/2015	123711	cpm	1.887264644
724466.7	3949212	13847	5/12/2015	120527	cpm	1.888736769
724485.8	3949275	13848	5/12/2015	123826	cpm	1.890208895
724585.3	3949246	13849	5/12/2015	114910	cpm	1.89168102
724543.4	3949259	13849	5/12/2015	115722	cpm	1.89168102
724428.9	3949272	13849	5/12/2015	122846	cpm	1.89168102
724391	3949316	13849	5/12/2015	123129	cpm	1.89168102
724452.6	3949217	13850	5/12/2015	121453	cpm	1.893153145
724376.3	3949287	13850	5/12/2015	122955	cpm	1.893153145
724537.4	3949240	13851	5/12/2015	115041	cpm	1.894625271
724459.3	3949256	13852	5/12/2015	121420	cpm	1.896097396
724504.1	3949268	13857	5/12/2015	123753	cpm	1.903458022
724434.5	3949287	13858	5/12/2015	122657	cpm	1.904930148
724456.4	3949319	13859	5/12/2015	121750	cpm	1.906402273
724440.6	3949290	13859	5/12/2015	122245	cpm	1.906402273
724433.4	3949328	13859	5/12/2015	122750	cpm	1.906402273
724562.7	3949247	13859	5/12/2015	123957	cpm	1.906402273
724460.9	3949310	13861	5/12/2015	121725	cpm	1.909346524
724566.2	3949232	13863	5/12/2015	114458	cpm	1.912290774
724494.1	3949247	13863	5/12/2015	115636	cpm	1.912290774
724514.7	3949277	13863	5/12/2015	123909	cpm	1.912290774
724471.7	3949249	13864	5/12/2015	115832	cpm	1.913762899
724435.8	3949252	13864	5/12/2015	122422	cpm	1.913762899
724439.4	3949270	13865	5/12/2015	122406	cpm	1.915235025
724486.2	3949259	13866	5/12/2015	120021	cpm	1.91670715
724478.1	3949265	13866	5/12/2015	120134	cpm	1.91670715
724560.9	3949223	13872	5/12/2015	114515	cpm	1.925539902
724577.7	3949267	13872	5/12/2015	115415	cpm	1.925539902
724457.9	3949327	13872	5/12/2015	121743	cpm	1.925539902
724543.7	3949258	13873	5/12/2015	115719	cpm	1.927012027
724466.2	3949212	13874	5/12/2015	120553	cpm	1.928484153
724434.7	3949190	13874	5/12/2015	121946	cpm	1.928484153
724461	3949273	13876	5/12/2015	121406	cpm	1.931428403
724439.2	3949321	13876	5/12/2015	122724	cpm	1.931428403
724585	3949262	13877	5/12/2015	115333	cpm	1.932900528
724529.6	3949256	13877	5/12/2015	115707	cpm	1.932900528
724566.9	3949263	13878	5/12/2015	115424	cpm	1.934372654

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724454.9	3949268	13878	5/12/2015	121644	cpm	1.934372654
724489.2	3949327	13879	5/12/2015	123610	cpm	1.935844779
724452.8	3949290	13880	5/12/2015	121815	cpm	1.937316904
724433.7	3949329	13881	5/12/2015	122747	cpm	1.93878903
724577	3949230	13882	5/12/2015	114448	cpm	1.940261155
724453.7	3949224	13883	5/12/2015	121447	cpm	1.94173328
724431.1	3949270	13883	5/12/2015	122643	cpm	1.94173328
724444.9	3949268	13884	5/12/2015	122108	cpm	1.943205406
724423.9	3949230	13884	5/12/2015	122608	cpm	1.943205406
724481.1	3949280	13885	5/12/2015	123836	cpm	1.944677531
724409.5	3949329	13886	5/12/2015	123204	cpm	1.946149656
724430	3949296	13887	5/12/2015	122821	cpm	1.947621782
724485	3949257	13889	5/12/2015	115953	cpm	1.950566032
724376.4	3949287	13890	5/12/2015	123024	cpm	1.952038157
724446.1	3949217	13891	5/12/2015	121600	cpm	1.953510283
724473.7	3949205	13893	5/12/2015	114731	cpm	1.956454533
724446.4	3949285	13894	5/12/2015	122122	cpm	1.957926659
724524	3949238	13896	5/12/2015	115240	cpm	1.960870909
724484.7	3949253	13897	5/12/2015	115844	cpm	1.962343035
724442.3	3949231	13897	5/12/2015	121907	cpm	1.962343035
724465.1	3949212	13898	5/12/2015	120542	cpm	1.96381516
724562.9	3949252	13899	5/12/2015	115313	cpm	1.965287285
724509.2	3949273	13899	5/12/2015	123802	cpm	1.965287285
724477.3	3949326	13900	5/12/2015	123314	cpm	1.966759411
724450.5	3949243	13901	5/12/2015	121620	cpm	1.968231536
724489.1	3949327	13901	5/12/2015	123608	cpm	1.968231536
724505.7	3949279	13901	5/12/2015	123901	cpm	1.968231536
724489.3	3949327	13904	5/12/2015	123533	cpm	1.972647912
724508.4	3949269	13905	5/12/2015	123758	cpm	1.974120037
724441.7	3949290	13908	5/12/2015	122347	cpm	1.978536413
724456.4	3949293	13909	5/12/2015	121711	cpm	1.980008538
724468.5	3949214	13910	5/12/2015	120522	cpm	1.981480664
724489.5	3949326	13910	5/12/2015	123422	cpm	1.981480664
724534.1	3949273	13911	5/12/2015	123926	cpm	1.982952789
724478	3949265	13912	5/12/2015	120122	cpm	1.984424914
724478	3949265	13912	5/12/2015	120135	cpm	1.984424914
724385.2	3949306	13912	5/12/2015	123119	cpm	1.984424914
724478.3	3949255	13913	5/12/2015	115959	cpm	1.98589704
724489.2	3949326	13913	5/12/2015	123327	cpm	1.98589704
724462	3949282	13914	5/12/2015	121354	cpm	1.987369165
724456.3	3949292	13914	5/12/2015	121710	cpm	1.987369165
724560.9	3949223	13915	5/12/2015	114514	cpm	1.98884129
724542.3	3949254	13916	5/12/2015	115445	cpm	1.990313415
724482.4	3949287	13916	5/12/2015	123713	cpm	1.990313415



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724501.9	3949280	13917	5/12/2015	123857	cpm	1.991785541
724490.4	3949249	13919	5/12/2015	115808	cpm	1.994729791
724420.4	3949203	13920	5/12/2015	122546	cpm	1.996201917
724420	3949201	13921	5/12/2015	122544	cpm	1.997674042
724474.9	3949313	13923	5/12/2015	121251	cpm	2.000618293
724512.2	3949240	13924	5/12/2015	120408	cpm	2.002090418
724376.4	3949287	13925	5/12/2015	123027	cpm	2.003562543
724468.3	3949308	13926	5/12/2015	121331	cpm	2.005034669
724469.5	3949311	13927	5/12/2015	121328	cpm	2.006506794
724483.6	3949281	13928	5/12/2015	123841	cpm	2.007978919
724493.7	3949259	13929	5/12/2015	120027	cpm	2.009451044
724376.3	3949287	13929	5/12/2015	123030	cpm	2.009451044
724468.7	3949273	13931	5/12/2015	121211	cpm	2.012395295
724473.4	3949305	13931	5/12/2015	121244	cpm	2.012395295
724530.8	3949256	13933	5/12/2015	115708	cpm	2.015339546
724439.2	3949322	13933	5/12/2015	122725	cpm	2.015339546
724381	3949285	13933	5/12/2015	122937	cpm	2.015339546
724439.3	3949268	13934	5/12/2015	122407	cpm	2.016811671
724464.6	3949212	13935	5/12/2015	120545	cpm	2.018283796
724489.2	3949326	13935	5/12/2015	123331	cpm	2.018283796
724521.2	3949254	13937	5/12/2015	115700	cpm	2.021228047
724524.1	3949249	13938	5/12/2015	115500	cpm	2.022700172
724434.6	3949247	13939	5/12/2015	122427	cpm	2.024172298
724449.6	3949239	13940	5/12/2015	121617	cpm	2.025644423
724482.2	3949286	13940	5/12/2015	123714	cpm	2.025644423
724587.5	3949248	13941	5/12/2015	114912	cpm	2.027116548
724527.8	3949250	13941	5/12/2015	115457	cpm	2.027116548
724435.6	3949251	13941	5/12/2015	122423	cpm	2.027116548
724428.6	3949279	13941	5/12/2015	122836	cpm	2.027116548
724454.1	3949303	13942	5/12/2015	121803	cpm	2.028588673
724489.3	3949327	13944	5/12/2015	123613	cpm	2.031532924
724457.1	3949297	13945	5/12/2015	121714	cpm	2.033005049
724378.9	3949294	13945	5/12/2015	123108	cpm	2.033005049
724489.1	3949326	13945	5/12/2015	123556	cpm	2.033005049
724487.1	3949316	13945	5/12/2015	123650	cpm	2.033005049
724521.5	3949249	13946	5/12/2015	115502	cpm	2.034477175
724444.6	3949328	13946	5/12/2015	122210	cpm	2.034477175
724442.7	3949289	13946	5/12/2015	122342	cpm	2.034477175
724588.5	3949248	13947	5/12/2015	114913	cpm	2.0359493
724512.6	3949241	13947	5/12/2015	120410	cpm	2.0359493
724489.1	3949326	13947	5/12/2015	123551	cpm	2.0359493
724502	3949218	13949	5/12/2015	120925	cpm	2.038893551
724508.6	3949270	13949	5/12/2015	123759	cpm	2.038893551
724588.9	3949272	13950	5/12/2015	115406	cpm	2.040365676

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724450.9	3949326	13950	5/12/2015	122159	cpm	2.040365676
724568.9	3949233	13951	5/12/2015	114456	cpm	2.041837801
724430.9	3949269	13951	5/12/2015	122642	cpm	2.041837801
724476.1	3949326	13952	5/12/2015	123313	cpm	2.043309927
724465.8	3949255	13953	5/12/2015	121154	cpm	2.044782052
724450.7	3949287	13954	5/12/2015	122309	cpm	2.046254177
724435.6	3949294	13954	5/12/2015	122702	cpm	2.046254177
724511.1	3949245	13955	5/12/2015	115511	cpm	2.047726302
724436.2	3949253	13955	5/12/2015	122421	cpm	2.047726302
724489.7	3949326	13955	5/12/2015	123431	cpm	2.047726302
724474.4	3949250	13959	5/12/2015	120222	cpm	2.053614804
724472.6	3949327	13959	5/12/2015	121314	cpm	2.053614804
724390.2	3949281	13959	5/12/2015	122925	cpm	2.053614804
724375.1	3949287	13960	5/12/2015	123057	cpm	2.055086929
724518.3	3949277	13960	5/12/2015	123912	cpm	2.055086929
724455.9	3949317	13961	5/12/2015	121752	cpm	2.056559054
724450.5	3949273	13961	5/12/2015	121830	cpm	2.056559054
724444.3	3949327	13961	5/12/2015	122214	cpm	2.056559054
724560.7	3949251	13962	5/12/2015	115311	cpm	2.05803118
724489.2	3949327	13962	5/12/2015	123631	cpm	2.05803118
724544.3	3949272	13962	5/12/2015	123934	cpm	2.05803118
724376.3	3949287	13963	5/12/2015	122953	cpm	2.059503305
724533.8	3949252	13964	5/12/2015	115452	cpm	2.06097543
724469	3949278	13965	5/12/2015	121217	cpm	2.062447556
724456.2	3949286	13966	5/12/2015	121705	cpm	2.063919681
724459.7	3949305	13966	5/12/2015	121721	cpm	2.063919681
724550.8	3949247	13967	5/12/2015	115303	cpm	2.065391806
724462.2	3949229	13968	5/12/2015	121131	cpm	2.066863931
724389	3949313	13968	5/12/2015	123126	cpm	2.066863931
724476.5	3949258	13970	5/12/2015	120013	cpm	2.069808182
724488.9	3949327	13970	5/12/2015	123519	cpm	2.069808182
724489.3	3949326	13971	5/12/2015	123345	cpm	2.071280307
724483.8	3949266	13972	5/12/2015	120103	cpm	2.072752433
724503.3	3949243	13973	5/12/2015	120327	cpm	2.074224558
724447.1	3949297	13975	5/12/2015	122133	cpm	2.077168809
724506.7	3949254	13976	5/12/2015	115754	cpm	2.078640934
724475.8	3949327	13976	5/12/2015	121307	cpm	2.078640934
724506.4	3949268	13976	5/12/2015	123755	cpm	2.078640934
724477.9	3949265	13977	5/12/2015	120201	cpm	2.080113059
724423.4	3949226	13977	5/12/2015	122605	cpm	2.080113059
724452.4	3949216	13978	5/12/2015	121454	cpm	2.081585185
724446.7	3949290	13978	5/12/2015	122325	cpm	2.081585185
724472.3	3949326	13979	5/12/2015	121315	cpm	2.08305731
724446.2	3949291	13979	5/12/2015	122128	cpm	2.08305731

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724561.1	3949227	13981	5/12/2015	114505	cpm	2.08600156
724540.1	3949254	13982	5/12/2015	115447	cpm	2.087473686
724465.8	3949300	13983	5/12/2015	121338	cpm	2.088945811
724460.6	3949271	13984	5/12/2015	121408	cpm	2.090417936
724586.4	3949247	13985	5/12/2015	114911	cpm	2.091890062
724465.3	3949212	13985	5/12/2015	120552	cpm	2.091890062
724427.3	3949272	13985	5/12/2015	122848	cpm	2.091890062
724433.8	3949328	13986	5/12/2015	122736	cpm	2.093362187
724498.9	3949261	13988	5/12/2015	115941	cpm	2.096306438
724450	3949316	13988	5/12/2015	122149	cpm	2.096306438
724489.1	3949327	13990	5/12/2015	123618	cpm	2.099250688
724461.7	3949277	13991	5/12/2015	121358	cpm	2.100722814
724443.7	3949289	13991	5/12/2015	122329	cpm	2.100722814
724484.4	3949304	13991	5/12/2015	123700	cpm	2.100722814
724513.6	3949256	13992	5/12/2015	115748	cpm	2.102194939
724572.7	3949266	13993	5/12/2015	115419	cpm	2.103667064
724488.8	3949326	13995	5/12/2015	123523	cpm	2.106611315
724438.9	3949244	13999	5/12/2015	122044	cpm	2.112499816
724440.6	3949291	13999	5/12/2015	122244	cpm	2.112499816
724489.2	3949326	13999	5/12/2015	123548	cpm	2.112499816
724556	3949246	14001	5/12/2015	115026	cpm	2.115444067
724473.3	3949245	14002	5/12/2015	120226	cpm	2.116916192
724561	3949250	14002	5/12/2015	123955	cpm	2.116916192
724540.3	3949258	14003	5/12/2015	115716	cpm	2.118388317
724455.5	3949234	14003	5/12/2015	121439	cpm	2.118388317
724444.6	3949328	14003	5/12/2015	122207	cpm	2.118388317
724453.5	3949223	14004	5/12/2015	121448	cpm	2.119860443
724489.2	3949326	14004	5/12/2015	123450	cpm	2.119860443
724378.4	3949293	14005	5/12/2015	123107	cpm	2.121332568
724463.3	3949236	14006	5/12/2015	121136	cpm	2.122804693
724441.4	3949226	14006	5/12/2015	121911	cpm	2.122804693
724433.7	3949328	14006	5/12/2015	122745	cpm	2.122804693
724388.4	3949312	14006	5/12/2015	123125	cpm	2.122804693
724538.8	3949253	14007	5/12/2015	115448	cpm	2.124276818
724423.4	3949225	14009	5/12/2015	122604	cpm	2.127221069
724506.8	3949275	14009	5/12/2015	123807	cpm	2.127221069
724428.4	3949283	14011	5/12/2015	122832	cpm	2.13016532
724501.1	3949241	14012	5/12/2015	115520	cpm	2.131637445
724489.5	3949326	14012	5/12/2015	123425	cpm	2.131637445
724440.4	3949290	14013	5/12/2015	122246	cpm	2.13310957
724431.9	3949306	14013	5/12/2015	122810	cpm	2.13310957
724487.8	3949270	14013	5/12/2015	123740	cpm	2.13310957
724489.2	3949275	14016	5/12/2015	123823	cpm	2.137525946
724464.6	3949212	14017	5/12/2015	120548	cpm	2.138998072

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724497.3	3949275	14017	5/12/2015	123816	cpm	2.138998072
724444.9	3949270	14018	5/12/2015	122109	cpm	2.140470197
724459.8	3949262	14019	5/12/2015	121415	cpm	2.141942322
724424.2	3949231	14019	5/12/2015	122609	cpm	2.141942322
724376.3	3949287	14019	5/12/2015	122954	cpm	2.141942322
724476.1	3949321	14020	5/12/2015	121258	cpm	2.143414447
724505.2	3949268	14020	5/12/2015	123754	cpm	2.143414447
724466.6	3949302	14021	5/12/2015	121336	cpm	2.144886573
724429.1	3949272	14021	5/12/2015	122845	cpm	2.144886573
724410.8	3949329	14021	5/12/2015	123205	cpm	2.144886573
724561.9	3949262	14022	5/12/2015	115428	cpm	2.146358698
724473.9	3949327	14022	5/12/2015	121311	cpm	2.146358698
724536.3	3949253	14023	5/12/2015	115450	cpm	2.147830823
724449.5	3949314	14023	5/12/2015	122147	cpm	2.147830823
724582.8	3949269	14024	5/12/2015	115411	cpm	2.149302949
724474.1	3949249	14024	5/12/2015	120223	cpm	2.149302949
724476.4	3949324	14024	5/12/2015	121301	cpm	2.149302949
724432.1	3949309	14024	5/12/2015	122807	cpm	2.149302949
724468.9	3949270	14025	5/12/2015	121209	cpm	2.150775074
724435.9	3949296	14026	5/12/2015	122704	cpm	2.152247199
724376.3	3949287	14026	5/12/2015	123022	cpm	2.152247199
724513.6	3949232	14027	5/12/2015	115101	cpm	2.153719325
724447.2	3949301	14028	5/12/2015	122136	cpm	2.15519145
724433.7	3949328	14028	5/12/2015	122739	cpm	2.15519145
724500.4	3949269	14028	5/12/2015	123750	cpm	2.15519145
724439.1	3949318	14029	5/12/2015	122722	cpm	2.156663575
724438.1	3949328	14031	5/12/2015	123227	cpm	2.159607826
724509.4	3949274	14031	5/12/2015	123804	cpm	2.159607826
724490.4	3949254	14034	5/12/2015	115849	cpm	2.164024202
724520.1	3949262	14034	5/12/2015	115922	cpm	2.164024202
724512.5	3949240	14034	5/12/2015	120409	cpm	2.164024202
724455	3949268	14034	5/12/2015	121648	cpm	2.164024202
724588.4	3949263	14035	5/12/2015	115336	cpm	2.165496327
724449.7	3949271	14035	5/12/2015	121832	cpm	2.165496327
724451.1	3949290	14035	5/12/2015	122317	cpm	2.165496327
724466.2	3949327	14035	5/12/2015	123305	cpm	2.165496327
724449.1	3949309	14040	5/12/2015	122143	cpm	2.172856954
724453.8	3949258	14042	5/12/2015	121633	cpm	2.175801204
724444.6	3949267	14043	5/12/2015	122107	cpm	2.17727333
724441	3949296	14043	5/12/2015	122240	cpm	2.17727333
724482.3	3949253	14044	5/12/2015	115842	cpm	2.178745455
724376.3	3949287	14044	5/12/2015	123014	cpm	2.178745455
724535.7	3949242	14047	5/12/2015	115250	cpm	2.183161831
724449.2	3949311	14048	5/12/2015	122145	cpm	2.184633956

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724428.5	3949280	14051	5/12/2015	122835	cpm	2.189050332
724455	3949268	14052	5/12/2015	121646	cpm	2.190522457
724489.1	3949326	14053	5/12/2015	123640	cpm	2.191994583
724501.9	3949261	14054	5/12/2015	115938	cpm	2.193466708
724469.7	3949312	14054	5/12/2015	121327	cpm	2.193466708
724461	3949327	14055	5/12/2015	121740	cpm	2.194938833
724440.6	3949290	14055	5/12/2015	122252	cpm	2.194938833
724489.7	3949326	14055	5/12/2015	123441	cpm	2.194938833
724508.8	3949272	14056	5/12/2015	123801	cpm	2.196410959
724475.2	3949314	14057	5/12/2015	121252	cpm	2.197883084
724376.3	3949287	14059	5/12/2015	123007	cpm	2.200827334
724466.9	3949303	14060	5/12/2015	121335	cpm	2.20229946
724430.9	3949299	14060	5/12/2015	122818	cpm	2.20229946
724398.1	3949329	14060	5/12/2015	123142	cpm	2.20229946
724455.6	3949314	14061	5/12/2015	121754	cpm	2.203771585
724442.9	3949258	14062	5/12/2015	122058	cpm	2.20524371
724433.3	3949324	14062	5/12/2015	122754	cpm	2.20524371
724528.9	3949251	14065	5/12/2015	115456	cpm	2.209660086
724518.9	3949254	14066	5/12/2015	115658	cpm	2.211132212
724375.2	3949288	14066	5/12/2015	123050	cpm	2.211132212
724489.2	3949326	14066	5/12/2015	123546	cpm	2.211132212
724489.2	3949326	14066	5/12/2015	123553	cpm	2.211132212
724388.6	3949282	14068	5/12/2015	122927	cpm	2.214076462
724487	3949254	14069	5/12/2015	115846	cpm	2.215548587
724489.2	3949327	14069	5/12/2015	123359	cpm	2.215548587
724462.3	3949284	14070	5/12/2015	121352	cpm	2.217020713
724414.5	3949329	14070	5/12/2015	123208	cpm	2.217020713
724508	3949259	14071	5/12/2015	115904	cpm	2.218492838
724464.6	3949293	14072	5/12/2015	121344	cpm	2.219964963
724377.3	3949287	14072	5/12/2015	122944	cpm	2.219964963
724568.2	3949264	14073	5/12/2015	115423	cpm	2.221437089
724508.8	3949244	14074	5/12/2015	115513	cpm	2.222909214
724440.6	3949274	14074	5/12/2015	122402	cpm	2.222909214
724386.2	3949283	14074	5/12/2015	122930	cpm	2.222909214
724448	3949327	14074	5/12/2015	123246	cpm	2.222909214
724503.3	3949258	14075	5/12/2015	115900	cpm	2.224381339
724473.8	3949247	14075	5/12/2015	120224	cpm	2.224381339
724457.1	3949323	14076	5/12/2015	121747	cpm	2.225853465
724505.8	3949262	14077	5/12/2015	120038	cpm	2.22732559
724477.9	3949265	14079	5/12/2015	120203	cpm	2.230269841
724453.2	3949222	14080	5/12/2015	121449	cpm	2.231741966
724500.7	3949249	14081	5/12/2015	115642	cpm	2.233214091
724453.8	3949226	14081	5/12/2015	121446	cpm	2.233214091
724424.3	3949232	14081	5/12/2015	122610	cpm	2.233214091

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724488.9	3949326	14081	5/12/2015	123522	cpm	2.233214091
724428.4	3949284	14082	5/12/2015	122831	cpm	2.234686216
724488.9	3949326	14082	5/12/2015	123528	cpm	2.234686216
724483.6	3949296	14084	5/12/2015	123706	cpm	2.237630467
724450.7	3949277	14085	5/12/2015	121827	cpm	2.239102592
724517.1	3949226	14089	5/12/2015	120639	cpm	2.244991094
724434.4	3949328	14089	5/12/2015	123224	cpm	2.244991094
724483.9	3949299	14089	5/12/2015	123704	cpm	2.244991094
724468.8	3949276	14090	5/12/2015	121215	cpm	2.246463219
724425.9	3949328	14090	5/12/2015	123217	cpm	2.246463219
724480.6	3949274	14090	5/12/2015	123724	cpm	2.246463219
724478	3949265	14091	5/12/2015	120133	cpm	2.247935344
724375.3	3949287	14091	5/12/2015	123037	cpm	2.247935344
724442.9	3949290	14092	5/12/2015	122344	cpm	2.24940747
724469.8	3949327	14092	5/12/2015	123308	cpm	2.24940747
724446	3949327	14093	5/12/2015	123235	cpm	2.250879595
724462	3949317	14094	5/12/2015	121730	cpm	2.25235172
724456	3949290	14095	5/12/2015	121708	cpm	2.253823845
724485.1	3949308	14095	5/12/2015	123657	cpm	2.253823845
724489.3	3949326	14096	5/12/2015	123342	cpm	2.255295971
724496.8	3949269	14096	5/12/2015	123747	cpm	2.255295971
724449.7	3949315	14098	5/12/2015	122148	cpm	2.258240221
724465.1	3949212	14102	5/12/2015	120539	cpm	2.264128723
724489.8	3949326	14103	5/12/2015	123435	cpm	2.265600848
724498.5	3949275	14106	5/12/2015	123815	cpm	2.270017224
724459.9	3949327	14108	5/12/2015	121741	cpm	2.272961474
724440.4	3949290	14108	5/12/2015	122249	cpm	2.272961474
724489.3	3949327	14108	5/12/2015	123616	cpm	2.272961474
724475.7	3949316	14109	5/12/2015	121254	cpm	2.2744336
724437.5	3949259	14109	5/12/2015	122416	cpm	2.2744336
724485.5	3949310	14111	5/12/2015	123655	cpm	2.27737785
724480.1	3949215	14112	5/12/2015	120606	cpm	2.278849976
724461.4	3949223	14112	5/12/2015	121126	cpm	2.278849976
724462	3949228	14112	5/12/2015	121130	cpm	2.278849976
724515.7	3949235	14114	5/12/2015	115233	cpm	2.281794226
724454	3949227	14114	5/12/2015	121445	cpm	2.281794226
724441.6	3949227	14114	5/12/2015	121910	cpm	2.281794226
724472.4	3949327	14114	5/12/2015	123310	cpm	2.281794226
724438.8	3949243	14115	5/12/2015	122043	cpm	2.283266352
724581.6	3949260	14116	5/12/2015	115330	cpm	2.284738477
724468.7	3949275	14116	5/12/2015	121213	cpm	2.284738477
724415.8	3949329	14117	5/12/2015	123209	cpm	2.286210602
724489.1	3949326	14117	5/12/2015	123624	cpm	2.286210602
724427.2	3949252	14118	5/12/2015	122627	cpm	2.287682728

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724433.7	3949328	14118	5/12/2015	122746	cpm	2.287682728
724434.3	3949243	14120	5/12/2015	122431	cpm	2.290626978
724480.5	3949273	14120	5/12/2015	123725	cpm	2.290626978
724488.8	3949326	14129	5/12/2015	123526	cpm	2.303876106
724467.2	3949304	14130	5/12/2015	121334	cpm	2.305348231
724424.4	3949235	14130	5/12/2015	122613	cpm	2.305348231
724494.1	3949269	14131	5/12/2015	123745	cpm	2.306820357
724485	3949266	14132	5/12/2015	120102	cpm	2.308292482
724478.1	3949265	14132	5/12/2015	120132	cpm	2.308292482
724478	3949265	14133	5/12/2015	120136	cpm	2.309764607
724449	3949306	14133	5/12/2015	122141	cpm	2.309764607
724445.7	3949278	14134	5/12/2015	122116	cpm	2.311236732
724468.5	3949327	14134	5/12/2015	123307	cpm	2.311236732
724449	3949234	14135	5/12/2015	121613	cpm	2.312708858
724488.8	3949326	14135	5/12/2015	123524	cpm	2.312708858
724439.2	3949245	14138	5/12/2015	122046	cpm	2.317125234
724433.5	3949277	14138	5/12/2015	122649	cpm	2.317125234
724377.8	3949292	14138	5/12/2015	123106	cpm	2.317125234
724489.8	3949326	14139	5/12/2015	123438	cpm	2.318597359
724449.5	3949238	14140	5/12/2015	121616	cpm	2.320069484
724442.7	3949289	14140	5/12/2015	122340	cpm	2.320069484
724478	3949265	14141	5/12/2015	120200	cpm	2.32154161
724494.7	3949241	14141	5/12/2015	120318	cpm	2.32154161
724485.8	3949311	14141	5/12/2015	123654	cpm	2.32154161
724510.8	3949220	14142	5/12/2015	120917	cpm	2.323013735
724455.1	3949269	14144	5/12/2015	121650	cpm	2.325957986
724570.5	3949265	14145	5/12/2015	115421	cpm	2.327430111
724504.8	3949243	14145	5/12/2015	120329	cpm	2.327430111
724520.1	3949223	14145	5/12/2015	120909	cpm	2.327430111
724460.6	3949309	14146	5/12/2015	121724	cpm	2.328902236
724470	3949314	14149	5/12/2015	121325	cpm	2.333318612
724450.7	3949244	14149	5/12/2015	121621	cpm	2.333318612
724583.8	3949261	14150	5/12/2015	115332	cpm	2.334790737
724448	3949327	14150	5/12/2015	123243	cpm	2.334790737
724536.1	3949239	14151	5/12/2015	115042	cpm	2.336262863
724454.8	3949267	14152	5/12/2015	121642	cpm	2.337734988
724486.1	3949312	14152	5/12/2015	123653	cpm	2.337734988
724511.8	3949243	14153	5/12/2015	120344	cpm	2.339207113
724489.6	3949326	14153	5/12/2015	123442	cpm	2.339207113
724390.4	3949315	14155	5/12/2015	123128	cpm	2.342151364
724500.8	3949280	14155	5/12/2015	123856	cpm	2.342151364
724436.9	3949304	14157	5/12/2015	122710	cpm	2.345095615
724490.3	3949275	14158	5/12/2015	123822	cpm	2.34656774
724433.8	3949280	14160	5/12/2015	122651	cpm	2.34951199



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724429.1	3949275	14160	5/12/2015	122841	cpm	2.34951199
724489.3	3949327	14163	5/12/2015	123605	cpm	2.353928366
724553.3	3949248	14164	5/12/2015	115305	cpm	2.355400492
724428.8	3949278	14164	5/12/2015	122837	cpm	2.355400492
724505.1	3949262	14165	5/12/2015	115935	cpm	2.356872617
724564.8	3949232	14166	5/12/2015	114459	cpm	2.358344742
724458.8	3949327	14168	5/12/2015	121742	cpm	2.361288993
724439.7	3949271	14169	5/12/2015	122405	cpm	2.362761118
724448.8	3949264	14172	5/12/2015	121839	cpm	2.367177494
724413.3	3949329	14174	5/12/2015	123207	cpm	2.370121745
724489.3	3949327	14174	5/12/2015	123534	cpm	2.370121745
724489.9	3949259	14175	5/12/2015	120024	cpm	2.37159387
724478	3949265	14175	5/12/2015	120137	cpm	2.37159387
724450	3949317	14175	5/12/2015	122150	cpm	2.37159387
724561.8	3949251	14176	5/12/2015	115312	cpm	2.373065995
724447.9	3949327	14176	5/12/2015	123242	cpm	2.373065995
724507.4	3949268	14176	5/12/2015	123756	cpm	2.373065995
724517	3949236	14179	5/12/2015	115234	cpm	2.377482371
724496.6	3949260	14179	5/12/2015	115943	cpm	2.377482371
724509.4	3949245	14180	5/12/2015	120334	cpm	2.378954497
724443.6	3949315	14180	5/12/2015	122224	cpm	2.378954497
724391.6	3949317	14180	5/12/2015	123130	cpm	2.378954497
724463.4	3949324	14182	5/12/2015	121736	cpm	2.381898747
724514.4	3949221	14187	5/12/2015	120914	cpm	2.389259374
724455.4	3949313	14187	5/12/2015	121755	cpm	2.389259374
724489.2	3949326	14187	5/12/2015	123330	cpm	2.389259374
724449.7	3949327	14189	5/12/2015	123252	cpm	2.392203624
724532	3949257	14190	5/12/2015	115709	cpm	2.39367575
724465	3949296	14190	5/12/2015	121341	cpm	2.39367575
724453.6	3949293	14190	5/12/2015	121812	cpm	2.39367575
724489.2	3949327	14192	5/12/2015	123633	cpm	2.39662
724502	3949252	14193	5/12/2015	115758	cpm	2.398092126
724512.6	3949241	14193	5/12/2015	120400	cpm	2.398092126
724565.2	3949253	14195	5/12/2015	115315	cpm	2.401036376
724470.5	3949213	14196	5/12/2015	120557	cpm	2.402508502
724471	3949290	14196	5/12/2015	121230	cpm	2.402508502
724376.2	3949287	14197	5/12/2015	122948	cpm	2.403980627
724476	3949317	14198	5/12/2015	121255	cpm	2.405452752
724444.1	3949326	14198	5/12/2015	122215	cpm	2.405452752
724379.6	3949285	14198	5/12/2015	122939	cpm	2.405452752
724538	3949258	14199	5/12/2015	115714	cpm	2.406924877
724454.9	3949231	14199	5/12/2015	121441	cpm	2.406924877
724439.2	3949324	14199	5/12/2015	122727	cpm	2.406924877
724561.8	3949249	14199	5/12/2015	123956	cpm	2.406924877

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724592.6	3949266	14200	5/12/2015	115340	cpm	2.408397003
724459.2	3949258	14200	5/12/2015	121419	cpm	2.408397003
724502.7	3949235	14201	5/12/2015	120426	cpm	2.409869128
724461.1	3949273	14202	5/12/2015	121405	cpm	2.411341253
724433.6	3949318	14202	5/12/2015	122759	cpm	2.411341253
724376.4	3949287	14202	5/12/2015	123009	cpm	2.411341253
724478.2	3949265	14206	5/12/2015	120151	cpm	2.417229755
724498	3949269	14206	5/12/2015	123748	cpm	2.417229755
724487.2	3949258	14207	5/12/2015	115951	cpm	2.41870188
724495.4	3949260	14208	5/12/2015	115944	cpm	2.420174005
724468	3949306	14208	5/12/2015	121332	cpm	2.420174005
724376.3	3949287	14208	5/12/2015	123006	cpm	2.420174005
724489.2	3949326	14208	5/12/2015	123329	cpm	2.420174005
724411.2	3949276	14209	5/12/2015	122905	cpm	2.421646131
724491.7	3949250	14211	5/12/2015	115807	cpm	2.424590381
724417.1	3949329	14211	5/12/2015	123210	cpm	2.424590381
724459	3949255	14212	5/12/2015	121421	cpm	2.426062506
724489	3949327	14212	5/12/2015	123413	cpm	2.426062506
724474.5	3949251	14216	5/12/2015	120221	cpm	2.431951008
724439.8	3949248	14216	5/12/2015	122049	cpm	2.431951008
724474.6	3949254	14217	5/12/2015	120218	cpm	2.433423133
724482.4	3949244	14218	5/12/2015	115625	cpm	2.434895258
724565.7	3949263	14219	5/12/2015	115425	cpm	2.436367384
724497.3	3949264	14219	5/12/2015	120051	cpm	2.436367384
724475.8	3949327	14219	5/12/2015	121306	cpm	2.436367384
724463.1	3949234	14220	5/12/2015	121135	cpm	2.437839509
724533.3	3949257	14222	5/12/2015	115710	cpm	2.44078376
724443.1	3949290	14222	5/12/2015	122330	cpm	2.44078376
724564	3949252	14223	5/12/2015	115314	cpm	2.442255885
724471.6	3949294	14225	5/12/2015	121234	cpm	2.445200135
724461.2	3949273	14225	5/12/2015	121403	cpm	2.445200135
724419.5	3949274	14228	5/12/2015	122855	cpm	2.449616511
724511.6	3949240	14232	5/12/2015	120414	cpm	2.455505013
724489.7	3949326	14232	5/12/2015	123432	cpm	2.455505013
724376.3	3949287	14234	5/12/2015	123013	cpm	2.458449263
724455.3	3949312	14235	5/12/2015	121756	cpm	2.459921389
724458.5	3949327	14235	5/12/2015	123259	cpm	2.459921389
724511	3949245	14238	5/12/2015	120337	cpm	2.464337764
724489.3	3949326	14238	5/12/2015	123348	cpm	2.464337764
724534.4	3949257	14239	5/12/2015	115711	cpm	2.46580989
724441.9	3949288	14240	5/12/2015	122256	cpm	2.467282015
724439.3	3949326	14240	5/12/2015	122729	cpm	2.467282015
724457.2	3949277	14242	5/12/2015	121657	cpm	2.470226266
724514.7	3949232	14244	5/12/2015	115100	cpm	2.473170516

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724471.1	3949207	14246	5/12/2015	120957	cpm	2.476114767
724467.2	3949261	14246	5/12/2015	121200	cpm	2.476114767
724489.1	3949327	14246	5/12/2015	123325	cpm	2.476114767
724489.2	3949327	14247	5/12/2015	123604	cpm	2.477586892
724387.2	3949283	14248	5/12/2015	122929	cpm	2.479059018
724590.4	3949265	14249	5/12/2015	115338	cpm	2.480531143
724488.9	3949326	14249	5/12/2015	123518	cpm	2.480531143
724469.9	3949285	14250	5/12/2015	121224	cpm	2.482003268
724376.3	3949287	14250	5/12/2015	122952	cpm	2.482003268
724450.9	3949325	14251	5/12/2015	122158	cpm	2.483475393
724488.9	3949326	14251	5/12/2015	123517	cpm	2.483475393
724394.4	3949323	14252	5/12/2015	123135	cpm	2.484947519
724462.1	3949327	14253	5/12/2015	121739	cpm	2.486419644
724478.1	3949265	14255	5/12/2015	120150	cpm	2.489363895
724478.1	3949265	14257	5/12/2015	120116	cpm	2.492308145
724433.9	3949281	14257	5/12/2015	122652	cpm	2.492308145
724489.2	3949326	14257	5/12/2015	123543	cpm	2.492308145
724517.1	3949277	14257	5/12/2015	123911	cpm	2.492308145
724488.1	3949254	14258	5/12/2015	115847	cpm	2.493780271
724408.2	3949329	14260	5/12/2015	123203	cpm	2.496724521
724430.6	3949298	14261	5/12/2015	122819	cpm	2.498196646
724488.9	3949326	14262	5/12/2015	123527	cpm	2.499668772
724378.9	3949286	14264	5/12/2015	122940	cpm	2.502613022
724443.5	3949287	14265	5/12/2015	122258	cpm	2.504085148
724509.2	3949278	14265	5/12/2015	123904	cpm	2.504085148
724478	3949265	14266	5/12/2015	120121	cpm	2.505557273
724500.9	3949242	14266	5/12/2015	120324	cpm	2.505557273
724454.8	3949266	14267	5/12/2015	121641	cpm	2.507029398
724400.7	3949329	14267	5/12/2015	123157	cpm	2.507029398
724464.3	3949292	14268	5/12/2015	121345	cpm	2.508501524
724453.5	3949294	14268	5/12/2015	121811	cpm	2.508501524
724516.1	3949257	14269	5/12/2015	115746	cpm	2.509973649
724459.5	3949304	14269	5/12/2015	121720	cpm	2.509973649
724376.3	3949287	14269	5/12/2015	123003	cpm	2.509973649
724376.2	3949287	14269	5/12/2015	123021	cpm	2.509973649
724471.2	3949291	14270	5/12/2015	121231	cpm	2.511445774
724377.8	3949286	14270	5/12/2015	122943	cpm	2.511445774
724501.7	3949268	14270	5/12/2015	123751	cpm	2.511445774
724473.6	3949306	14271	5/12/2015	121245	cpm	2.5129179
724503	3949253	14273	5/12/2015	115757	cpm	2.51586215
724476.1	3949326	14274	5/12/2015	121304	cpm	2.517334275
724440.7	3949293	14274	5/12/2015	122242	cpm	2.517334275
724489	3949327	14275	5/12/2015	123416	cpm	2.518806401
724518.9	3949262	14276	5/12/2015	115923	cpm	2.520278526

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724512.7	3949241	14276	5/12/2015	120401	cpm	2.520278526
724433.5	3949322	14278	5/12/2015	122756	cpm	2.523222777
724444.6	3949328	14279	5/12/2015	122211	cpm	2.524694902
724399	3949280	14279	5/12/2015	122917	cpm	2.524694902
724468.8	3949207	14280	5/12/2015	120959	cpm	2.526167027
724554.5	3949248	14282	5/12/2015	115306	cpm	2.529111278
724482.8	3949281	14284	5/12/2015	123840	cpm	2.532055529
724464.6	3949212	14285	5/12/2015	120531	cpm	2.533527654
724444	3949324	14285	5/12/2015	122217	cpm	2.533527654
724505.5	3949253	14289	5/12/2015	115755	cpm	2.539416155
724376.8	3949287	14290	5/12/2015	122945	cpm	2.54088828
724461.4	3949276	14291	5/12/2015	121359	cpm	2.542360406
724442.6	3949289	14291	5/12/2015	122337	cpm	2.542360406
724430.6	3949267	14291	5/12/2015	122640	cpm	2.542360406
724436.9	3949328	14291	5/12/2015	123226	cpm	2.542360406
724541.7	3949272	14291	5/12/2015	123932	cpm	2.542360406
724458.5	3949253	14292	5/12/2015	121423	cpm	2.543832531
724456.5	3949285	14292	5/12/2015	121704	cpm	2.543832531
724478	3949265	14295	5/12/2015	120139	cpm	2.548248907
724439.1	3949244	14295	5/12/2015	122045	cpm	2.548248907
724454.6	3949307	14296	5/12/2015	121800	cpm	2.549721032
724507.2	3949263	14297	5/12/2015	115933	cpm	2.551193158
724462.3	3949283	14297	5/12/2015	121353	cpm	2.551193158
724488.3	3949321	14297	5/12/2015	123646	cpm	2.551193158
724441.5	3949301	14298	5/12/2015	122236	cpm	2.552665283
724485.3	3949309	14298	5/12/2015	123656	cpm	2.552665283
724461.8	3949280	14299	5/12/2015	121355	cpm	2.554137408
724463.2	3949325	14300	5/12/2015	121737	cpm	2.555609533
724455	3949268	14301	5/12/2015	121645	cpm	2.557081659
724434.7	3949248	14301	5/12/2015	122426	cpm	2.557081659
724438.4	3949310	14301	5/12/2015	122715	cpm	2.557081659
724491.6	3949270	14301	5/12/2015	123743	cpm	2.557081659
724467.3	3949263	14303	5/12/2015	121202	cpm	2.560025909
724491.9	3949282	14304	5/12/2015	123848	cpm	2.561498035
724485.1	3949259	14305	5/12/2015	120020	cpm	2.56297016
724507.3	3949206	14306	5/12/2015	114634	cpm	2.564442285
724382.4	3949285	14306	5/12/2015	122935	cpm	2.564442285
724507.7	3949244	14307	5/12/2015	115514	cpm	2.565914411
724479.4	3949243	14307	5/12/2015	115622	cpm	2.565914411
724489.2	3949249	14309	5/12/2015	115809	cpm	2.568858661
724426.1	3949273	14309	5/12/2015	122849	cpm	2.568858661
724489.2	3949327	14310	5/12/2015	123623	cpm	2.570330787
724437.4	3949306	14311	5/12/2015	122712	cpm	2.571802912
724506.4	3949244	14312	5/12/2015	120331	cpm	2.573275037

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724509.7	3949239	14312	5/12/2015	120416	cpm	2.573275037
724423.4	3949227	14312	5/12/2015	122606	cpm	2.573275037
724430.3	3949266	14313	5/12/2015	122639	cpm	2.574747162
724432	3949307	14313	5/12/2015	122809	cpm	2.574747162
724457.2	3949280	14315	5/12/2015	121700	cpm	2.577691413
724468.6	3949274	14316	5/12/2015	121212	cpm	2.579163538
724436.7	3949300	14317	5/12/2015	122707	cpm	2.580635664
724389.4	3949282	14317	5/12/2015	122926	cpm	2.580635664
724444	3949319	14318	5/12/2015	122221	cpm	2.582107789
724437.9	3949261	14318	5/12/2015	122414	cpm	2.582107789
724395.8	3949325	14319	5/12/2015	123137	cpm	2.583579914
724499.8	3949252	14320	5/12/2015	115800	cpm	2.58505204
724478.1	3949265	14320	5/12/2015	120117	cpm	2.58505204
724450.6	3949278	14320	5/12/2015	121826	cpm	2.58505204
724497.5	3949256	14324	5/12/2015	115855	cpm	2.590940541
724428.4	3949282	14324	5/12/2015	122833	cpm	2.590940541
724431.9	3949305	14325	5/12/2015	122812	cpm	2.592412666
724503	3949262	14326	5/12/2015	115937	cpm	2.593884791
724442.1	3949230	14327	5/12/2015	121908	cpm	2.595356917
724509	3949238	14328	5/12/2015	120417	cpm	2.596829042
724529.3	3949230	14328	5/12/2015	120649	cpm	2.596829042
724428.6	3949285	14328	5/12/2015	122830	cpm	2.596829042
724495.4	3949281	14329	5/12/2015	123851	cpm	2.598301167
724489.2	3949327	14330	5/12/2015	123630	cpm	2.599773293
724476.6	3949325	14331	5/12/2015	121302	cpm	2.601245418
724507.8	3949262	14333	5/12/2015	120040	cpm	2.604189669
724470.5	3949288	14334	5/12/2015	121228	cpm	2.605661794
724438.4	3949264	14334	5/12/2015	122412	cpm	2.605661794
724429	3949276	14334	5/12/2015	122840	cpm	2.605661794
724488.1	3949320	14334	5/12/2015	123647	cpm	2.605661794
724454.9	3949308	14335	5/12/2015	121759	cpm	2.607133919
724489.3	3949327	14335	5/12/2015	123611	cpm	2.607133919
724393.4	3949321	14336	5/12/2015	123133	cpm	2.608606045
724474.6	3949250	14338	5/12/2015	115835	cpm	2.611550295
724488.7	3949326	14339	5/12/2015	123324	cpm	2.61302242
724412.8	3949276	14341	5/12/2015	122901	cpm	2.615966671
724448.8	3949327	14341	5/12/2015	123239	cpm	2.615966671
724478	3949265	14342	5/12/2015	120119	cpm	2.617438796
724465.3	3949299	14345	5/12/2015	121339	cpm	2.621855172
724447.2	3949256	14346	5/12/2015	121846	cpm	2.623327298
724398	3949330	14347	5/12/2015	123143	cpm	2.624799423
724445.8	3949289	14351	5/12/2015	122126	cpm	2.630687924
724481.9	3949282	14351	5/12/2015	123717	cpm	2.630687924
724503.7	3949275	14351	5/12/2015	123810	cpm	2.630687924

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724489.3	3949326	14352	5/12/2015	123336	cpm	2.632160049
724488.9	3949324	14357	5/12/2015	123643	cpm	2.639520676
724496.1	3949264	14358	5/12/2015	120052	cpm	2.640992801
724440.7	3949251	14358	5/12/2015	122052	cpm	2.640992801
724518.3	3949233	14359	5/12/2015	115057	cpm	2.642464927
724497.9	3949242	14359	5/12/2015	120321	cpm	2.642464927
724512.2	3949252	14361	5/12/2015	115652	cpm	2.645409177
724473.1	3949243	14362	5/12/2015	120228	cpm	2.646881303
724492.5	3949259	14363	5/12/2015	120026	cpm	2.648353428
724488.5	3949322	14363	5/12/2015	123645	cpm	2.648353428
724464.9	3949295	14364	5/12/2015	121342	cpm	2.649825553
724442.8	3949289	14366	5/12/2015	122341	cpm	2.652769804
724467.4	3949327	14367	5/12/2015	123306	cpm	2.654241929
724441.2	3949288	14368	5/12/2015	122349	cpm	2.655714054
724475.4	3949258	14369	5/12/2015	120012	cpm	2.65718618
724374.8	3949287	14369	5/12/2015	123038	cpm	2.65718618
724489.3	3949327	14369	5/12/2015	123538	cpm	2.65718618
724441.4	3949289	14371	5/12/2015	122348	cpm	2.66013043
724475.7	3949250	14372	5/12/2015	115836	cpm	2.661602556
724464.5	3949212	14373	5/12/2015	120532	cpm	2.663074681
724453.8	3949298	14374	5/12/2015	121807	cpm	2.664546806
724496.5	3949281	14375	5/12/2015	123852	cpm	2.666018932
724512.3	3949240	14376	5/12/2015	120406	cpm	2.667491057
724437.6	3949260	14376	5/12/2015	122415	cpm	2.667491057
724453.6	3949256	14377	5/12/2015	121632	cpm	2.668963182
724488	3949249	14379	5/12/2015	115810	cpm	2.671907433
724433.1	3949276	14379	5/12/2015	122648	cpm	2.671907433
724512.7	3949224	14380	5/12/2015	120635	cpm	2.673379558
724439.2	3949246	14380	5/12/2015	122047	cpm	2.673379558
724438.9	3949311	14381	5/12/2015	122716	cpm	2.674851683
724434.2	3949285	14383	5/12/2015	122655	cpm	2.677795934
724457.9	3949300	14384	5/12/2015	121717	cpm	2.679268059
724447.5	3949258	14385	5/12/2015	121844	cpm	2.680740185
724480.9	3949326	14386	5/12/2015	123317	cpm	2.68221231
724489.3	3949326	14386	5/12/2015	123541	cpm	2.68221231
724505.6	3949243	14391	5/12/2015	120330	cpm	2.689572936
724541.5	3949258	14394	5/12/2015	115717	cpm	2.693989312
724509.2	3949259	14395	5/12/2015	115905	cpm	2.695461438
724489.3	3949326	14395	5/12/2015	123350	cpm	2.695461438
724477.4	3949254	14396	5/12/2015	120000	cpm	2.696933563
724507.2	3949263	14397	5/12/2015	120042	cpm	2.698405688
724453.4	3949255	14398	5/12/2015	121631	cpm	2.699877814
724450.8	3949287	14398	5/12/2015	122310	cpm	2.699877814
724476.8	3949251	14399	5/12/2015	115837	cpm	2.701349939

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724432.5	3949235	14399	5/12/2015	122438	cpm	2.701349939
724477.9	3949265	14400	5/12/2015	120115	cpm	2.702822064
724478	3949265	14400	5/12/2015	120118	cpm	2.702822064
724464.7	3949212	14400	5/12/2015	120546	cpm	2.702822064
724511.5	3949278	14402	5/12/2015	123906	cpm	2.705766315
724504.1	3949262	14403	5/12/2015	115936	cpm	2.70723844
724508.3	3949238	14404	5/12/2015	120418	cpm	2.708710565
724457	3949282	14404	5/12/2015	121701	cpm	2.708710565
724569.4	3949265	14406	5/12/2015	115422	cpm	2.711654816
724446.3	3949286	14407	5/12/2015	122123	cpm	2.713126941
724497.8	3949260	14408	5/12/2015	115942	cpm	2.714599067
724486	3949258	14411	5/12/2015	115952	cpm	2.719015443
724441.9	3949228	14411	5/12/2015	121909	cpm	2.719015443
724438.2	3949328	14411	5/12/2015	122731	cpm	2.719015443
724475.8	3949327	14412	5/12/2015	121305	cpm	2.720487568
724489.3	3949327	14412	5/12/2015	123537	cpm	2.720487568
724501.7	3949243	14414	5/12/2015	120325	cpm	2.723431819
724459.4	3949260	14414	5/12/2015	121417	cpm	2.723431819
724464.5	3949212	14415	5/12/2015	120533	cpm	2.724903944
724505.5	3949243	14418	5/12/2015	115516	cpm	2.72932032
724486.1	3949265	14418	5/12/2015	120101	cpm	2.72932032
724434.8	3949289	14418	5/12/2015	122658	cpm	2.72932032
724439.3	3949313	14418	5/12/2015	122718	cpm	2.72932032
724439.2	3949312	14419	5/12/2015	122717	cpm	2.730792445
724505.8	3949275	14420	5/12/2015	123808	cpm	2.73226457
724458.7	3949301	14421	5/12/2015	121718	cpm	2.733736696
724480.6	3949271	14422	5/12/2015	123726	cpm	2.735208821
724376.4	3949287	14425	5/12/2015	123017	cpm	2.739625197
724488.7	3949323	14428	5/12/2015	123644	cpm	2.744041573
724470.8	3949318	14429	5/12/2015	121322	cpm	2.745513698
724474.5	3949253	14432	5/12/2015	120219	cpm	2.749930074
724376.6	3949287	14433	5/12/2015	123034	cpm	2.751402199
724459.2	3949302	14434	5/12/2015	121719	cpm	2.752874325
724472.5	3949300	14437	5/12/2015	121240	cpm	2.757290701
724450.9	3949287	14437	5/12/2015	122311	cpm	2.757290701
724453.4	3949297	14438	5/12/2015	121808	cpm	2.758762826
724478.2	3949265	14439	5/12/2015	120146	cpm	2.760234951
724375.2	3949288	14440	5/12/2015	123040	cpm	2.761707077
724492.9	3949269	14442	5/12/2015	123744	cpm	2.764651327
724461.6	3949226	14443	5/12/2015	121128	cpm	2.766123452
724460	3949265	14443	5/12/2015	121413	cpm	2.766123452
724489.2	3949327	14445	5/12/2015	123621	cpm	2.769067703
724508.4	3949206	14447	5/12/2015	114633	cpm	2.772011954
724478.2	3949265	14448	5/12/2015	120152	cpm	2.773484079



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724480.3	3949244	14452	5/12/2015	115623	cpm	2.77937258
724504.6	3949262	14452	5/12/2015	120037	cpm	2.77937258
724470	3949245	14453	5/12/2015	115827	cpm	2.780844706
724440.5	3949282	14453	5/12/2015	122355	cpm	2.780844706
724413.7	3949275	14456	5/12/2015	122900	cpm	2.785261081
724432.1	3949308	14458	5/12/2015	122808	cpm	2.788205332
724513.4	3949252	14460	5/12/2015	115653	cpm	2.791149583
724376.2	3949287	14460	5/12/2015	123035	cpm	2.791149583
724478.2	3949265	14461	5/12/2015	120145	cpm	2.792621708
724515.9	3949226	14461	5/12/2015	120638	cpm	2.792621708
724439	3949317	14461	5/12/2015	122721	cpm	2.792621708
724489.2	3949327	14462	5/12/2015	123628	cpm	2.794093833
724427.7	3949253	14466	5/12/2015	122628	cpm	2.799982334
724446.1	3949248	14467	5/12/2015	121853	cpm	2.80145446
724434.5	3949245	14467	5/12/2015	122429	cpm	2.80145446
724424.2	3949233	14468	5/12/2015	122611	cpm	2.802926585
724475.5	3949315	14469	5/12/2015	121253	cpm	2.80439871
724478	3949265	14473	5/12/2015	120159	cpm	2.810287212
724414.8	3949275	14473	5/12/2015	122859	cpm	2.810287212
724406.3	3949277	14474	5/12/2015	122910	cpm	2.811759337
724496.3	3949251	14475	5/12/2015	115803	cpm	2.813231462
724433.2	3949328	14475	5/12/2015	123223	cpm	2.813231462
724457.3	3949324	14479	5/12/2015	121746	cpm	2.819119963
724461	3949327	14479	5/12/2015	123301	cpm	2.819119963
724489.4	3949326	14484	5/12/2015	123424	cpm	2.82648059
724489.3	3949327	14484	5/12/2015	123606	cpm	2.82648059
724512.5	3949256	14485	5/12/2015	115749	cpm	2.827952715
724444.8	3949327	14485	5/12/2015	123234	cpm	2.827952715
724461.6	3949278	14486	5/12/2015	121357	cpm	2.829424841
724458.8	3949254	14489	5/12/2015	121422	cpm	2.833841217
724466.1	3949256	14493	5/12/2015	121155	cpm	2.839729718
724447.7	3949260	14493	5/12/2015	121843	cpm	2.839729718
724459.2	3949259	14498	5/12/2015	121418	cpm	2.847090344
724451.6	3949290	14498	5/12/2015	122316	cpm	2.847090344
724422.9	3949273	14498	5/12/2015	122852	cpm	2.847090344
724487.8	3949318	14498	5/12/2015	123648	cpm	2.847090344
724450.8	3949280	14499	5/12/2015	121824	cpm	2.84856247
724378.3	3949286	14503	5/12/2015	122941	cpm	2.854450971
724489.2	3949326	14504	5/12/2015	123554	cpm	2.855923096
724487.8	3949326	14505	5/12/2015	123323	cpm	2.857395221
724454.3	3949304	14506	5/12/2015	121802	cpm	2.858867347
724445.7	3949282	14506	5/12/2015	122119	cpm	2.858867347
724374.8	3949287	14506	5/12/2015	123044	cpm	2.858867347
724500	3949242	14508	5/12/2015	120323	cpm	2.861811597

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724376.3	3949287	14508	5/12/2015	122957	cpm	2.861811597
724477.9	3949265	14509	5/12/2015	120206	cpm	2.863283723
724509.7	3949219	14510	5/12/2015	120918	cpm	2.864755848
724489	3949327	14511	5/12/2015	123415	cpm	2.866227973
724472.8	3949243	14513	5/12/2015	120229	cpm	2.869172224
724484.9	3949306	14513	5/12/2015	123658	cpm	2.869172224
724393.9	3949322	14514	5/12/2015	123134	cpm	2.870644349
724441.4	3949299	14515	5/12/2015	122237	cpm	2.872116475
724505.2	3949263	14516	5/12/2015	120044	cpm	2.8735886
724490.5	3949264	14516	5/12/2015	120057	cpm	2.8735886
724460.5	3949270	14518	5/12/2015	121409	cpm	2.87653285
724375.1	3949288	14520	5/12/2015	123042	cpm	2.879477101
724524.3	3949228	14523	5/12/2015	120645	cpm	2.883893477
724485.9	3949240	14524	5/12/2015	120310	cpm	2.885365602
724471.1	3949320	14525	5/12/2015	121320	cpm	2.886837728
724510.9	3949245	14526	5/12/2015	120336	cpm	2.888309853
724449.3	3949270	14526	5/12/2015	121833	cpm	2.888309853
724452.6	3949287	14530	5/12/2015	121817	cpm	2.894198354
724489.1	3949326	14530	5/12/2015	123638	cpm	2.894198354
724465.1	3949297	14534	5/12/2015	121340	cpm	2.900086855
724375.2	3949288	14534	5/12/2015	123048	cpm	2.900086855
724456.3	3949291	14536	5/12/2015	121709	cpm	2.903031106
724438.5	3949265	14536	5/12/2015	122411	cpm	2.903031106
724488.1	3949275	14536	5/12/2015	123824	cpm	2.903031106
724447	3949299	14538	5/12/2015	122135	cpm	2.905975357
724483	3949207	14540	5/12/2015	114739	cpm	2.908919607
724497.2	3949260	14540	5/12/2015	120030	cpm	2.908919607
724471.7	3949296	14541	5/12/2015	121235	cpm	2.910391733
724442.7	3949290	14541	5/12/2015	122335	cpm	2.910391733
724431.2	3949300	14543	5/12/2015	122817	cpm	2.913335983
724483.4	3949247	14544	5/12/2015	115814	cpm	2.914808108
724514.5	3949252	14546	5/12/2015	115654	cpm	2.917752359
724462.4	3949327	14549	5/12/2015	123302	cpm	2.922168735
724434.3	3949242	14550	5/12/2015	122432	cpm	2.92364086
724440.7	3949289	14551	5/12/2015	122253	cpm	2.925112986
724504.4	3949243	14553	5/12/2015	115517	cpm	2.928057236
724441	3949297	14553	5/12/2015	122239	cpm	2.928057236
724495.7	3949241	14554	5/12/2015	120319	cpm	2.929529362
724435.4	3949292	14554	5/12/2015	122701	cpm	2.929529362
724454.2	3949302	14555	5/12/2015	121804	cpm	2.931001487
724443.9	3949325	14556	5/12/2015	122216	cpm	2.932473612
724481	3949278	14557	5/12/2015	123833	cpm	2.933945737
724468.8	3949269	14560	5/12/2015	121208	cpm	2.938362113
724439	3949316	14562	5/12/2015	122720	cpm	2.941306364

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724476.5	3949326	14563	5/12/2015	121303	cpm	2.942778489
724429.5	3949292	14563	5/12/2015	122824	cpm	2.942778489
724480.1	3949252	14564	5/12/2015	115840	cpm	2.944250615
724437	3949302	14564	5/12/2015	122709	cpm	2.944250615
724376.3	3949287	14564	5/12/2015	123029	cpm	2.944250615
724493.1	3949247	14566	5/12/2015	115635	cpm	2.947194865
724473.1	3949304	14566	5/12/2015	121243	cpm	2.947194865
724448	3949327	14566	5/12/2015	123248	cpm	2.947194865
724376.3	3949287	14567	5/12/2015	123001	cpm	2.948666991
724478.1	3949265	14572	5/12/2015	120148	cpm	2.956027617
724477.3	3949265	14573	5/12/2015	120114	cpm	2.957499742
724464.7	3949212	14573	5/12/2015	120547	cpm	2.957499742
724496.1	3949275	14574	5/12/2015	123817	cpm	2.958971868
724474.9	3949326	14576	5/12/2015	123312	cpm	2.961916118
724591.5	3949265	14577	5/12/2015	115339	cpm	2.963388244
724509.2	3949263	14578	5/12/2015	115931	cpm	2.964860369
724499	3949242	14579	5/12/2015	120322	cpm	2.966332494
724466.9	3949258	14579	5/12/2015	121157	cpm	2.966332494
724506.6	3949243	14580	5/12/2015	115515	cpm	2.96780462
724442.6	3949289	14580	5/12/2015	122339	cpm	2.96780462
724426.7	3949251	14580	5/12/2015	122626	cpm	2.96780462
724447.2	3949327	14580	5/12/2015	123236	cpm	2.96780462
724478.1	3949265	14581	5/12/2015	120157	cpm	2.969276745
724448.3	3949327	14583	5/12/2015	123237	cpm	2.972220995
724542.6	3949258	14584	5/12/2015	115718	cpm	2.973693121
724440.4	3949280	14590	5/12/2015	122357	cpm	2.982525873
724428.9	3949277	14590	5/12/2015	122838	cpm	2.982525873
724489.3	3949327	14590	5/12/2015	123634	cpm	2.982525873
724450.2	3949290	14593	5/12/2015	122319	cpm	2.986942249
724445.8	3949277	14594	5/12/2015	122115	cpm	2.988414374
724508	3949263	14595	5/12/2015	120041	cpm	2.989886499
724464.1	3949291	14595	5/12/2015	121346	cpm	2.989886499
724443.1	3949308	14596	5/12/2015	122230	cpm	2.991358624
724434.3	3949284	14598	5/12/2015	122654	cpm	2.994302875
724463.4	3949323	14599	5/12/2015	121735	cpm	2.995775
724453.2	3949296	14600	5/12/2015	121809	cpm	2.997247126
724482.3	3949247	14601	5/12/2015	115815	cpm	2.998719251
724488.7	3949259	14601	5/12/2015	120023	cpm	2.998719251
724464.4	3949212	14601	5/12/2015	120536	cpm	2.998719251
724444.4	3949287	14601	5/12/2015	122259	cpm	2.998719251
724375.1	3949288	14602	5/12/2015	123043	cpm	3.000191376
724396.4	3949326	14602	5/12/2015	123138	cpm	3.000191376
724454.3	3949263	14606	5/12/2015	121638	cpm	3.006079878
724440.9	3949252	14608	5/12/2015	122053	cpm	3.009024128

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724494.3	3949282	14608	5/12/2015	123850	cpm	3.009024128
724495.9	3949260	14610	5/12/2015	120029	cpm	3.011968379
724478.8	3949246	14612	5/12/2015	115818	cpm	3.014912629
724455.1	3949309	14612	5/12/2015	121758	cpm	3.014912629
724376.3	3949287	14615	5/12/2015	122959	cpm	3.019329005
724439.2	3949323	14617	5/12/2015	122726	cpm	3.022273256
724478.9	3949258	14618	5/12/2015	120015	cpm	3.023745381
724500.2	3949217	14619	5/12/2015	120927	cpm	3.025217507
724567.6	3949232	14620	5/12/2015	114457	cpm	3.026689632
724451.5	3949284	14621	5/12/2015	121820	cpm	3.028161757
724429.9	3949294	14621	5/12/2015	122822	cpm	3.028161757
724489.5	3949326	14622	5/12/2015	123421	cpm	3.029633882
724476.4	3949254	14623	5/12/2015	120001	cpm	3.031106008
724375.2	3949288	14625	5/12/2015	123047	cpm	3.034050258
724467.2	3949262	14628	5/12/2015	121201	cpm	3.038466634
724435.8	3949295	14629	5/12/2015	122703	cpm	3.03993876
724493.5	3949240	14633	5/12/2015	120317	cpm	3.045827261
724451	3949245	14634	5/12/2015	121622	cpm	3.047299386
724456.7	3949284	14635	5/12/2015	121703	cpm	3.048771511
724479	3949215	14636	5/12/2015	120605	cpm	3.050243637
724449.4	3949312	14637	5/12/2015	122146	cpm	3.051715762
724437.1	3949301	14638	5/12/2015	122708	cpm	3.053187887
724505.6	3949258	14639	5/12/2015	115902	cpm	3.054660013
724489.3	3949326	14639	5/12/2015	123333	cpm	3.054660013
724477.9	3949265	14640	5/12/2015	120204	cpm	3.056132138
724448.3	3949230	14642	5/12/2015	121610	cpm	3.059076389
724489.5	3949259	14643	5/12/2015	115949	cpm	3.060548514
724478.2	3949265	14644	5/12/2015	120155	cpm	3.062020639
724506.2	3949263	14646	5/12/2015	120043	cpm	3.06496489
724375.2	3949288	14646	5/12/2015	123055	cpm	3.06496489
724500.2	3949241	14647	5/12/2015	115521	cpm	3.066437015
724455.4	3949270	14647	5/12/2015	121651	cpm	3.066437015
724429.5	3949328	14647	5/12/2015	123220	cpm	3.066437015
724443	3949289	14650	5/12/2015	122333	cpm	3.070853391
724497.4	3949248	14651	5/12/2015	115639	cpm	3.072325516
724513.6	3949225	14656	5/12/2015	120636	cpm	3.079686143
724449.2	3949269	14658	5/12/2015	121834	cpm	3.082630393
724561.3	3949225	14666	5/12/2015	114506	cpm	3.094407396
724469.9	3949207	14666	5/12/2015	120958	cpm	3.094407396
724504.3	3949253	14667	5/12/2015	115756	cpm	3.095879521
724467.7	3949305	14667	5/12/2015	121333	cpm	3.095879521
724441.2	3949253	14667	5/12/2015	122054	cpm	3.095879521
724440.8	3949278	14667	5/12/2015	122359	cpm	3.095879521
724437	3949305	14668	5/12/2015	122711	cpm	3.097351647

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724440.1	3949249	14671	5/12/2015	122050	cpm	3.101768022
724487	3949275	14672	5/12/2015	123825	cpm	3.103240148
724457.2	3949279	14675	5/12/2015	121659	cpm	3.107656524
724442.8	3949307	14675	5/12/2015	122231	cpm	3.107656524
724448	3949327	14675	5/12/2015	123245	cpm	3.107656524
724473.7	3949250	14676	5/12/2015	115834	cpm	3.109128649
724505.7	3949236	14676	5/12/2015	120422	cpm	3.109128649
724486.8	3949326	14680	5/12/2015	123322	cpm	3.11501715
724462.6	3949232	14681	5/12/2015	121133	cpm	3.116489276
724448	3949327	14682	5/12/2015	123247	cpm	3.117961401
724481.1	3949279	14683	5/12/2015	123834	cpm	3.119433526
724465.8	3949254	14685	5/12/2015	121153	cpm	3.122377777
724440.3	3949281	14685	5/12/2015	122356	cpm	3.122377777
724478.3	3949265	14686	5/12/2015	120130	cpm	3.123849902
724504.2	3949235	14686	5/12/2015	120424	cpm	3.123849902
724447	3949298	14686	5/12/2015	122134	cpm	3.123849902
724439.3	3949315	14689	5/12/2015	122719	cpm	3.128266278
724472.9	3949303	14695	5/12/2015	121242	cpm	3.13709903
724515.9	3949233	14696	5/12/2015	115059	cpm	3.138571155
724488.5	3949281	14696	5/12/2015	123845	cpm	3.138571155
724478.5	3949327	14697	5/12/2015	123315	cpm	3.14004328
724472.7	3949301	14698	5/12/2015	121241	cpm	3.141515406
724445.9	3949287	14699	5/12/2015	122302	cpm	3.142987531
724461.8	3949227	14701	5/12/2015	121129	cpm	3.145931782
724450.1	3949318	14701	5/12/2015	122151	cpm	3.145931782
724417.2	3949274	14701	5/12/2015	122857	cpm	3.145931782
724489.4	3949326	14701	5/12/2015	123427	cpm	3.145931782
724435.1	3949249	14704	5/12/2015	122425	cpm	3.150348158
724514.5	3949235	14706	5/12/2015	115232	cpm	3.153292408
724477.7	3949246	14706	5/12/2015	115819	cpm	3.153292408
724451.2	3949281	14709	5/12/2015	121823	cpm	3.157708784
724445.6	3949280	14709	5/12/2015	122118	cpm	3.157708784
724440.9	3949294	14709	5/12/2015	122241	cpm	3.157708784
724489.3	3949254	14710	5/12/2015	115848	cpm	3.159180909
724479.6	3949327	14710	5/12/2015	123316	cpm	3.159180909
724480.8	3949278	14712	5/12/2015	123721	cpm	3.16212516
724495.5	3949269	14713	5/12/2015	123746	cpm	3.163597285
724489.2	3949327	14715	5/12/2015	123626	cpm	3.166541536
724376.3	3949287	14717	5/12/2015	123016	cpm	3.169485787
724472.7	3949242	14718	5/12/2015	120230	cpm	3.170957912
724376.4	3949287	14718	5/12/2015	123028	cpm	3.170957912
724494.8	3949259	14720	5/12/2015	120028	cpm	3.173902163
724471.5	3949213	14720	5/12/2015	120558	cpm	3.173902163
724443.2	3949309	14721	5/12/2015	122229	cpm	3.175374288

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724398	3949280	14722	5/12/2015	122918	cpm	3.176846413
724449.9	3949287	14725	5/12/2015	122307	cpm	3.181262789
724375.1	3949288	14725	5/12/2015	123054	cpm	3.181262789
724468.5	3949215	14726	5/12/2015	120521	cpm	3.182734914
724452.9	3949253	14731	5/12/2015	121629	cpm	3.190095541
724484.1	3949207	14733	5/12/2015	114740	cpm	3.193039792
724494.2	3949260	14734	5/12/2015	115945	cpm	3.194511917
724454.2	3949301	14734	5/12/2015	121805	cpm	3.194511917
724561.2	3949223	14735	5/12/2015	114510	cpm	3.195984042
724477.7	3949258	14735	5/12/2015	120014	cpm	3.195984042
724476.1	3949319	14737	5/12/2015	121256	cpm	3.198928293
724480.2	3949258	14740	5/12/2015	120016	cpm	3.203344669
724495.2	3949251	14742	5/12/2015	115804	cpm	3.206288919
724450.7	3949322	14743	5/12/2015	122154	cpm	3.207761045
724508.2	3949268	14746	5/12/2015	123757	cpm	3.212177421
724433.4	3949238	14747	5/12/2015	122435	cpm	3.213649546
724440	3949272	14749	5/12/2015	122404	cpm	3.216593796
724427.2	3949328	14751	5/12/2015	123218	cpm	3.219538047
724479.1	3949252	14753	5/12/2015	115839	cpm	3.222482298
724434.6	3949246	14756	5/12/2015	122428	cpm	3.226898674
724478.2	3949265	14757	5/12/2015	120153	cpm	3.228370799
724467.9	3949265	14759	5/12/2015	121204	cpm	3.23131505
724452.5	3949251	14760	5/12/2015	121627	cpm	3.232787175
724436.3	3949299	14760	5/12/2015	122706	cpm	3.232787175
724512.6	3949278	14761	5/12/2015	123907	cpm	3.2342593
724431.5	3949301	14762	5/12/2015	122816	cpm	3.235731425
724507.5	3949230	14763	5/12/2015	115106	cpm	3.237203551
724455.2	3949311	14764	5/12/2015	121757	cpm	3.238675676
724506.2	3949262	14770	5/12/2015	115934	cpm	3.247508428
724441.1	3949288	14770	5/12/2015	122255	cpm	3.247508428
724504.4	3949258	14772	5/12/2015	115901	cpm	3.250452679
724493	3949259	14775	5/12/2015	115946	cpm	3.254869054
724449.2	3949310	14775	5/12/2015	122144	cpm	3.254869054
724456.7	3949239	14779	5/12/2015	121434	cpm	3.260757556
724441	3949286	14780	5/12/2015	122351	cpm	3.262229681
724464.5	3949212	14783	5/12/2015	120537	cpm	3.266646057
724445.8	3949276	14786	5/12/2015	122114	cpm	3.271062433
724440.4	3949284	14788	5/12/2015	122353	cpm	3.274006683
724450.3	3949272	14790	5/12/2015	121831	cpm	3.276950934
724483.8	3949258	14791	5/12/2015	120019	cpm	3.278423059
724448.8	3949290	14791	5/12/2015	122322	cpm	3.278423059
724446.1	3949290	14792	5/12/2015	122127	cpm	3.279895185
724481.1	3949280	14792	5/12/2015	123835	cpm	3.279895185
724472.2	3949207	14794	5/12/2015	120956	cpm	3.282839435

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724435.3	3949291	14794	5/12/2015	122700	cpm	3.282839435
724432.9	3949236	14799	5/12/2015	122437	cpm	3.290200062
724376.3	3949287	14799	5/12/2015	123004	cpm	3.290200062
724456	3949236	14801	5/12/2015	121437	cpm	3.293144312
724478	3949265	14802	5/12/2015	120120	cpm	3.294616438
724452	3949290	14803	5/12/2015	122314	cpm	3.296088563
724500	3949280	14804	5/12/2015	123855	cpm	3.297560688
724512.6	3949241	14805	5/12/2015	120411	cpm	3.299032814
724394.7	3949280	14805	5/12/2015	122921	cpm	3.299032814
724421.8	3949274	14808	5/12/2015	122853	cpm	3.30344919
724478.9	3949265	14814	5/12/2015	120108	cpm	3.312281941
724489.2	3949327	14817	5/12/2015	123627	cpm	3.316698317
724489.3	3949326	14818	5/12/2015	123346	cpm	3.318170443
724444.6	3949328	14819	5/12/2015	122209	cpm	3.319642568
724528	3949229	14820	5/12/2015	120648	cpm	3.321114693
724444.4	3949290	14820	5/12/2015	122328	cpm	3.321114693
724439	3949328	14820	5/12/2015	122730	cpm	3.321114693
724491.7	3949255	14824	5/12/2015	115850	cpm	3.327003195
724489	3949326	14824	5/12/2015	123417	cpm	3.327003195
724376.1	3949287	14826	5/12/2015	122947	cpm	3.329947445
724593.6	3949266	14827	5/12/2015	115341	cpm	3.33141957
724395.7	3949280	14827	5/12/2015	122920	cpm	3.33141957
724449.1	3949235	14828	5/12/2015	121614	cpm	3.332891696
724425	3949273	14829	5/12/2015	122850	cpm	3.334363821
724464.9	3949294	14830	5/12/2015	121343	cpm	3.335835946
724439.1	3949328	14830	5/12/2015	123228	cpm	3.335835946
724510.5	3949224	14831	5/12/2015	120633	cpm	3.337308072
724489.2	3949326	14831	5/12/2015	123637	cpm	3.337308072
724488.9	3949326	14834	5/12/2015	123506	cpm	3.341724448
724477.9	3949265	14835	5/12/2015	120205	cpm	3.343196573
724431.8	3949305	14838	5/12/2015	122813	cpm	3.347612949
724496.8	3949217	14839	5/12/2015	120933	cpm	3.349085074
724504.9	3949236	14840	5/12/2015	120423	cpm	3.350557199
724468.8	3949277	14840	5/12/2015	121216	cpm	3.350557199
724445.2	3949290	14840	5/12/2015	122327	cpm	3.350557199
724442.6	3949289	14841	5/12/2015	122338	cpm	3.352029325
724506.8	3949258	14842	5/12/2015	115903	cpm	3.35350145
724460.3	3949307	14842	5/12/2015	121723	cpm	3.35350145
724433.1	3949237	14843	5/12/2015	122436	cpm	3.354973575
724476.1	3949320	14844	5/12/2015	121257	cpm	3.356445701
724434.1	3949282	14845	5/12/2015	122653	cpm	3.357917826
724376.7	3949287	14846	5/12/2015	123033	cpm	3.359389951
724481.3	3949244	14849	5/12/2015	115624	cpm	3.363806327
724461.2	3949273	14849	5/12/2015	121404	cpm	3.363806327

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724397.8	3949329	14849	5/12/2015	123141	cpm	3.363806327
724476.3	3949265	14853	5/12/2015	120112	cpm	3.369694828
724493.7	3949264	14856	5/12/2015	120054	cpm	3.374111204
724452.8	3949289	14857	5/12/2015	121816	cpm	3.37558333
724449.3	3949237	14858	5/12/2015	121615	cpm	3.377055455
724488.3	3949265	14860	5/12/2015	120059	cpm	3.379999706
724474.7	3949214	14863	5/12/2015	120601	cpm	3.384416081
724445.8	3949279	14865	5/12/2015	122117	cpm	3.387360332
724396.9	3949280	14866	5/12/2015	122919	cpm	3.388832457
724489.2	3949327	14867	5/12/2015	123619	cpm	3.390304583
724432.7	3949275	14869	5/12/2015	122647	cpm	3.393248833
724376.3	3949287	14872	5/12/2015	123005	cpm	3.397665209
724454.3	3949262	14874	5/12/2015	121637	cpm	3.40060946
724440.6	3949279	14874	5/12/2015	122358	cpm	3.40060946
724403.2	3949278	14876	5/12/2015	122913	cpm	3.40355371
724478	3949265	14877	5/12/2015	120158	cpm	3.405025836
724489.3	3949326	14879	5/12/2015	123349	cpm	3.407970086
724478.1	3949265	14881	5/12/2015	120140	cpm	3.410914337
724478.2	3949265	14882	5/12/2015	120156	cpm	3.412386462
724456	3949272	14883	5/12/2015	121653	cpm	3.413858588
724443.2	3949289	14885	5/12/2015	122332	cpm	3.416802838
724499.6	3949249	14886	5/12/2015	115641	cpm	3.418274964
724489.1	3949326	14887	5/12/2015	123550	cpm	3.419747089
724454	3949299	14888	5/12/2015	121806	cpm	3.421219214
724446.1	3949288	14891	5/12/2015	122124	cpm	3.42563559
724474.3	3949258	14892	5/12/2015	120011	cpm	3.427107715
724483.7	3949298	14892	5/12/2015	123705	cpm	3.427107715
724489.2	3949327	14893	5/12/2015	123625	cpm	3.428579841
724476.7	3949265	14895	5/12/2015	120113	cpm	3.431524091
724493.8	3949275	14895	5/12/2015	123819	cpm	3.431524091
724509.7	3949206	14897	5/12/2015	114632	cpm	3.434468342
724487.2	3949265	14899	5/12/2015	120100	cpm	3.437412593
724451.8	3949285	14901	5/12/2015	121819	cpm	3.440356843
724543	3949272	14901	5/12/2015	123933	cpm	3.440356843
724471	3949319	14905	5/12/2015	121321	cpm	3.446245344
724418.4	3949329	14908	5/12/2015	123211	cpm	3.45066172
724482.7	3949266	14909	5/12/2015	120104	cpm	3.452133846
724441.6	3949302	14913	5/12/2015	122235	cpm	3.458022347
724496.8	3949241	14914	5/12/2015	120320	cpm	3.459494472
724397.4	3949328	14918	5/12/2015	123140	cpm	3.465382973
724480.6	3949265	14919	5/12/2015	120106	cpm	3.466855099
724525.5	3949229	14919	5/12/2015	120646	cpm	3.466855099
724499.7	3949211	14920	5/12/2015	114753	cpm	3.468327224
724483.5	3949244	14920	5/12/2015	115626	cpm	3.468327224



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724440.4	3949290	14920	5/12/2015	122251	cpm	3.468327224
724478.2	3949265	14925	5/12/2015	120128	cpm	3.475687851
724485.3	3949271	14926	5/12/2015	123738	cpm	3.477159976
724507.8	3949254	14927	5/12/2015	115753	cpm	3.478632101
724489.3	3949327	14927	5/12/2015	123607	cpm	3.478632101
724450.6	3949287	14928	5/12/2015	122308	cpm	3.480104226
724489.3	3949326	14928	5/12/2015	123335	cpm	3.480104226
724429.7	3949293	14929	5/12/2015	122823	cpm	3.481576352
724484.9	3949275	14929	5/12/2015	123827	cpm	3.481576352
724452.2	3949286	14930	5/12/2015	121818	cpm	3.483048477
724448.6	3949231	14933	5/12/2015	121611	cpm	3.487464853
724445.8	3949288	14939	5/12/2015	122125	cpm	3.496297605
724484.7	3949240	14941	5/12/2015	120309	cpm	3.499241855
724589.5	3949264	14945	5/12/2015	115337	cpm	3.505130357
724457.4	3949298	14945	5/12/2015	121715	cpm	3.505130357
724456.7	3949276	14947	5/12/2015	121656	cpm	3.508074607
724469.7	3949286	14948	5/12/2015	121226	cpm	3.509546733
724451.2	3949246	14951	5/12/2015	121623	cpm	3.513963109
724512.4	3949241	14955	5/12/2015	120413	cpm	3.51985161
724497.7	3949281	14956	5/12/2015	123853	cpm	3.521323735
724420.7	3949274	14959	5/12/2015	122854	cpm	3.525740111
724510.9	3949207	14963	5/12/2015	114631	cpm	3.531628612
724477	3949265	14964	5/12/2015	120110	cpm	3.533100738
724472.6	3949257	14965	5/12/2015	120009	cpm	3.534572863
724491.6	3949264	14966	5/12/2015	120056	cpm	3.536044988
724445.7	3949287	14972	5/12/2015	122301	cpm	3.54487774
724472.2	3949299	14973	5/12/2015	121239	cpm	3.546349865
724395.1	3949324	14977	5/12/2015	123136	cpm	3.552238367
724492.5	3949264	14979	5/12/2015	120055	cpm	3.555182617
724509.3	3949224	14979	5/12/2015	120632	cpm	3.555182617
724451.3	3949288	14983	5/12/2015	122312	cpm	3.561071118
724561.2	3949225	14985	5/12/2015	114507	cpm	3.564015369
724489.3	3949327	14987	5/12/2015	123635	cpm	3.56695962
724481.2	3949216	14988	5/12/2015	120607	cpm	3.568431745
724482.1	3949285	14989	5/12/2015	123715	cpm	3.56990387
724473.2	3949258	14995	5/12/2015	120010	cpm	3.578736622
724446.7	3949287	14996	5/12/2015	122303	cpm	3.580208747
724509.5	3949234	14998	5/12/2015	115228	cpm	3.583152998
724489.5	3949264	15005	5/12/2015	120058	cpm	3.593457875
724489.1	3949270	15007	5/12/2015	123741	cpm	3.596402126
724513.2	3949234	15011	5/12/2015	115231	cpm	3.602290627
724407.3	3949277	15012	5/12/2015	122909	cpm	3.603762752
724460.3	3949268	15014	5/12/2015	121410	cpm	3.606707003
724514.8	3949225	15016	5/12/2015	120637	cpm	3.609651254

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724376.3	3949287	15017	5/12/2015	123015	cpm	3.611123379
724467	3949259	15018	5/12/2015	121158	cpm	3.612595504
724511.9	3949234	15019	5/12/2015	115230	cpm	3.614067629
724475.1	3949242	15020	5/12/2015	115615	cpm	3.615539755
724496.3	3949247	15021	5/12/2015	115638	cpm	3.61701188
724376.3	3949287	15021	5/12/2015	122946	cpm	3.61701188
724459.5	3949261	15026	5/12/2015	121416	cpm	3.624372507
724376.3	3949287	15031	5/12/2015	123000	cpm	3.631733133
724498.7	3949257	15032	5/12/2015	115856	cpm	3.633205258
724476.9	3949215	15032	5/12/2015	120603	cpm	3.633205258
724435.6	3949328	15032	5/12/2015	123225	cpm	3.633205258
724450.8	3949323	15033	5/12/2015	122156	cpm	3.634677384
724443	3949290	15036	5/12/2015	122331	cpm	3.63909376
724472.6	3949213	15037	5/12/2015	120559	cpm	3.640565885
724487.4	3949213	15043	5/12/2015	120943	cpm	3.649398637
724510.4	3949278	15044	5/12/2015	123905	cpm	3.650870762
724498.2	3949240	15045	5/12/2015	115523	cpm	3.652342887
724489.3	3949327	15045	5/12/2015	123535	cpm	3.652342887
724468.3	3949217	15046	5/12/2015	120519	cpm	3.653815013
724510.2	3949255	15048	5/12/2015	115751	cpm	3.656759263
724433.3	3949323	15050	5/12/2015	122755	cpm	3.659703514
724468.1	3949267	15052	5/12/2015	121206	cpm	3.662647765
724462.8	3949233	15053	5/12/2015	121134	cpm	3.66411989
724471.4	3949292	15054	5/12/2015	121232	cpm	3.665592015
724498.7	3949217	15056	5/12/2015	120929	cpm	3.668536266
724475.8	3949214	15058	5/12/2015	120602	cpm	3.671480516
724489.3	3949327	15060	5/12/2015	123636	cpm	3.674424767
724491.9	3949259	15061	5/12/2015	115947	cpm	3.675896892
724478.6	3949243	15062	5/12/2015	115621	cpm	3.677369018
724496.4	3949256	15064	5/12/2015	115854	cpm	3.680313268
724440.7	3949285	15064	5/12/2015	122352	cpm	3.680313268
724470.3	3949244	15069	5/12/2015	115826	cpm	3.687673895
724474	3949254	15070	5/12/2015	120004	cpm	3.68914602
724472.1	3949298	15073	5/12/2015	121238	cpm	3.693562396
724376.4	3949287	15073	5/12/2015	123031	cpm	3.693562396
724471.5	3949293	15075	5/12/2015	121233	cpm	3.696506647
724443.3	3949312	15076	5/12/2015	122227	cpm	3.697978772
724376.3	3949287	15076	5/12/2015	122958	cpm	3.697978772
724496.1	3949239	15078	5/12/2015	115525	cpm	3.700923023
724485.6	3949248	15082	5/12/2015	115812	cpm	3.706811524
724460	3949266	15083	5/12/2015	121412	cpm	3.708283649
724455.7	3949235	15083	5/12/2015	121438	cpm	3.708283649
724497.1	3949240	15086	5/12/2015	115524	cpm	3.712700025
724441.9	3949303	15086	5/12/2015	122234	cpm	3.712700025

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724392.8	3949319	15086	5/12/2015	123132	cpm	3.712700025
724443.5	3949316	15089	5/12/2015	122223	cpm	3.717116401
724478.2	3949265	15096	5/12/2015	120144	cpm	3.727421278
724493.8	3949239	15099	5/12/2015	115527	cpm	3.731837654
724473.7	3949214	15103	5/12/2015	120600	cpm	3.737726155
724450.9	3949324	15109	5/12/2015	122157	cpm	3.746558907
724465	3949212	15110	5/12/2015	120538	cpm	3.748031032
724472.3	3949242	15112	5/12/2015	120231	cpm	3.750975283
724468.3	3949268	15112	5/12/2015	121207	cpm	3.750975283
724482	3949283	15113	5/12/2015	123716	cpm	3.752447408
724508.3	3949233	15121	5/12/2015	115227	cpm	3.764224411
724508.2	3949223	15123	5/12/2015	120631	cpm	3.767168661
724499.5	3949217	15126	5/12/2015	120928	cpm	3.771585037
724441.6	3949254	15127	5/12/2015	122055	cpm	3.773057163
724375.2	3949288	15127	5/12/2015	123049	cpm	3.773057163
724484.5	3949326	15128	5/12/2015	123320	cpm	3.774529288
724481.9	3949206	15129	5/12/2015	114738	cpm	3.776001413
724510.1	3949245	15131	5/12/2015	120335	cpm	3.778945664
724442.1	3949255	15131	5/12/2015	122056	cpm	3.778945664
724485.7	3949326	15132	5/12/2015	123321	cpm	3.780417789
724482.7	3949271	15132	5/12/2015	123736	cpm	3.780417789
724443.4	3949313	15135	5/12/2015	122226	cpm	3.784834165
724482.2	3949326	15135	5/12/2015	123318	cpm	3.784834165
724449.1	3949267	15138	5/12/2015	121836	cpm	3.789250541
724490.7	3949259	15139	5/12/2015	115948	cpm	3.790722666
724471.8	3949297	15139	5/12/2015	121236	cpm	3.790722666
724404.2	3949278	15139	5/12/2015	122912	cpm	3.790722666
724412.1	3949276	15141	5/12/2015	122904	cpm	3.793666917
724478.2	3949265	15144	5/12/2015	120143	cpm	3.798083293
724480.9	3949277	15146	5/12/2015	123832	cpm	3.801027543
724484	3949271	15149	5/12/2015	123737	cpm	3.805443919
724478.3	3949265	15153	5/12/2015	120129	cpm	3.811332421
724561	3949223	15155	5/12/2015	114509	cpm	3.814276671
724464.4	3949212	15158	5/12/2015	120534	cpm	3.818693047
724512.6	3949241	15160	5/12/2015	120412	cpm	3.821637298
724539.6	3949215	15165	5/12/2015	114608	cpm	3.828997924
724495.2	3949247	15170	5/12/2015	115637	cpm	3.836358551
724501	3949257	15170	5/12/2015	115858	cpm	3.836358551
724509	3949255	15177	5/12/2015	115752	cpm	3.846663428
724480.3	3949271	15200	5/12/2015	123727	cpm	3.88052231
724488.9	3949326	15201	5/12/2015	123418	cpm	3.881994435
724477.9	3949252	15202	5/12/2015	115838	cpm	3.883466561
724442.1	3949304	15207	5/12/2015	122233	cpm	3.890827187
724456.2	3949273	15212	5/12/2015	121654	cpm	3.898187814

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724428.3	3949328	15212	5/12/2015	123219	cpm	3.898187814
724491	3949246	15215	5/12/2015	115633	cpm	3.90260419
724431.7	3949302	15215	5/12/2015	122815	cpm	3.90260419
724481.2	3949246	15233	5/12/2015	115816	cpm	3.929102445
724499.8	3949257	15235	5/12/2015	115857	cpm	3.932046696
724410.2	3949276	15239	5/12/2015	122906	cpm	3.937935197
724452	3949290	15241	5/12/2015	122315	cpm	3.940879448
724489.7	3949281	15241	5/12/2015	123846	cpm	3.940879448
724474.4	3949253	15244	5/12/2015	120003	cpm	3.945295824
724422.1	3949329	15245	5/12/2015	123214	cpm	3.946767949
724517.1	3949233	15247	5/12/2015	115058	cpm	3.9497122
724448.1	3949290	15250	5/12/2015	122323	cpm	3.954128575
724498.9	3949281	15252	5/12/2015	123854	cpm	3.957072826
724482.6	3949258	15256	5/12/2015	120018	cpm	3.962961327
724470	3949287	15256	5/12/2015	121227	cpm	3.962961327
724409.2	3949276	15262	5/12/2015	122907	cpm	3.971794079
724473.2	3949254	15264	5/12/2015	120005	cpm	3.97473833
724478.1	3949265	15270	5/12/2015	120141	cpm	3.983571082
724495.2	3949256	15275	5/12/2015	115853	cpm	3.990931708
724408.2	3949277	15275	5/12/2015	122908	cpm	3.990931708
724474.7	3949258	15291	5/12/2015	120215	cpm	4.014485713
724533.3	3949213	15292	5/12/2015	114613	cpm	4.015957838
724470.1	3949246	15292	5/12/2015	115828	cpm	4.015957838
724468.8	3949236	15296	5/12/2015	115552	cpm	4.02184634
724471.9	3949245	15299	5/12/2015	115824	cpm	4.026262715
724489.2	3949326	15299	5/12/2015	123555	cpm	4.026262715
724497.3	3949217	15301	5/12/2015	120932	cpm	4.029206966
724416	3949274	15304	5/12/2015	122858	cpm	4.033623342
724479	3949210	15308	5/12/2015	120950	cpm	4.039511843
724497.7	3949217	15309	5/12/2015	120931	cpm	4.040983969
724489.2	3949326	15312	5/12/2015	123540	cpm	4.045400344
724420.9	3949329	15316	5/12/2015	123213	cpm	4.051288846
724498.3	3949217	15324	5/12/2015	120930	cpm	4.063065848
724457	3949283	15325	5/12/2015	121702	cpm	4.064537973
724477.6	3949265	15326	5/12/2015	120208	cpm	4.066010099
724465.7	3949251	15331	5/12/2015	121150	cpm	4.073370725
724494.9	3949239	15336	5/12/2015	115526	cpm	4.080731352
724449	3949265	15342	5/12/2015	121838	cpm	4.089564104
724474.7	3949257	15343	5/12/2015	120216	cpm	4.091036229
724451.8	3949248	15344	5/12/2015	121625	cpm	4.092508354
724448.4	3949287	15350	5/12/2015	122305	cpm	4.101341106
724474.3	3949245	15352	5/12/2015	115822	cpm	4.104285357
724432	3949273	15354	5/12/2015	122645	cpm	4.107229607
724435	3949290	15355	5/12/2015	122659	cpm	4.108701733

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724458.1	3949250	15356	5/12/2015	121425	cpm	4.110173858
724502.1	3949234	15360	5/12/2015	120427	cpm	4.116062359
724457.7	3949248	15362	5/12/2015	121427	cpm	4.11900661
724441.2	3949298	15365	5/12/2015	122238	cpm	4.123422986
724478.1	3949243	15377	5/12/2015	115620	cpm	4.141088489
724480.3	3949271	15378	5/12/2015	123730	cpm	4.142560615
724458.2	3949251	15382	5/12/2015	121424	cpm	4.148449116
724474.1	3949242	15383	5/12/2015	115614	cpm	4.149921241
724474.9	3949259	15384	5/12/2015	120214	cpm	4.151393367
724487.5	3949208	15388	5/12/2015	114743	cpm	4.157281868
724479.8	3949265	15389	5/12/2015	120107	cpm	4.158753993
724467.1	3949260	15392	5/12/2015	121159	cpm	4.163170369
724475.4	3949254	15395	5/12/2015	120002	cpm	4.167586745
724560.9	3949224	15396	5/12/2015	114508	cpm	4.16905887
724474.6	3949256	15396	5/12/2015	120217	cpm	4.16905887
724466.2	3949221	15397	5/12/2015	115148	cpm	4.170530996
724480.3	3949271	15405	5/12/2015	123728	cpm	4.182307998
724454.4	3949264	15408	5/12/2015	121639	cpm	4.186724374
724402.2	3949279	15410	5/12/2015	122914	cpm	4.189668625
724506.9	3949237	15424	5/12/2015	120420	cpm	4.210278379
724468	3949266	15427	5/12/2015	121205	cpm	4.214694755
724512.1	3949207	15429	5/12/2015	114630	cpm	4.217639005
724472.2	3949219	15431	5/12/2015	115136	cpm	4.220583256
724468.8	3949237	15436	5/12/2015	115554	cpm	4.227943883
724443.4	3949311	15440	5/12/2015	122228	cpm	4.233832384
724472.4	3949255	15449	5/12/2015	120006	cpm	4.247081512
724488.5	3949213	15450	5/12/2015	120942	cpm	4.248553637
724463.5	3949237	15453	5/12/2015	121137	cpm	4.252970013
724476	3949242	15469	5/12/2015	115616	cpm	4.276524018
724451.4	3949283	15475	5/12/2015	121821	cpm	4.28535677
724480.7	3949275	15475	5/12/2015	123723	cpm	4.28535677
724471	3949244	15483	5/12/2015	115825	cpm	4.297133772
724470.5	3949247	15487	5/12/2015	115829	cpm	4.303022273
724492	3949246	15496	5/12/2015	115634	cpm	4.316271401
724448.8	3949233	15502	5/12/2015	121612	cpm	4.325104153
724486.7	3949248	15520	5/12/2015	115811	cpm	4.351602408
724499.2	3949241	15521	5/12/2015	115522	cpm	4.353074534
724443.6	3949314	15521	5/12/2015	122225	cpm	4.353074534
724492.7	3949239	15536	5/12/2015	115528	cpm	4.375156413
724481.1	3949276	15539	5/12/2015	123831	cpm	4.379572789
724498.5	3949211	15551	5/12/2015	114752	cpm	4.397238293
724437.8	3949307	15557	5/12/2015	122713	cpm	4.406071045
724513.4	3949207	15562	5/12/2015	114629	cpm	4.413431671
724488.1	3949240	15565	5/12/2015	120312	cpm	4.417848047

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724451.4	3949247	15572	5/12/2015	121624	cpm	4.428152924
724570.2	3949233	15575	5/12/2015	114455	cpm	4.4325693
724471	3949249	15581	5/12/2015	115831	cpm	4.441402052
724466.6	3949257	15585	5/12/2015	121156	cpm	4.447290553
724467	3949222	15591	5/12/2015	115150	cpm	4.456123305
724489.3	3949327	15595	5/12/2015	123536	cpm	4.462011806
724492.4	3949240	15600	5/12/2015	120316	cpm	4.469372433
724485.1	3949212	15614	5/12/2015	120945	cpm	4.489982187
724460.2	3949267	15615	5/12/2015	121411	cpm	4.491454313
724450.7	3949322	15620	5/12/2015	122155	cpm	4.498814939
724484.6	3949245	15637	5/12/2015	115627	cpm	4.523841069
724468.7	3949235	15640	5/12/2015	115550	cpm	4.528257445
724401.2	3949279	15644	5/12/2015	122915	cpm	4.534145947
724537.2	3949214	15657	5/12/2015	114610	cpm	4.553283575
724491.5	3949238	15661	5/12/2015	115529	cpm	4.559172077
724452.2	3949249	15666	5/12/2015	121626	cpm	4.566532703
724490.1	3949240	15667	5/12/2015	120314	cpm	4.568004829
724480.2	3949211	15667	5/12/2015	120949	cpm	4.568004829
724492.8	3949255	15688	5/12/2015	115851	cpm	4.59891946
724481.4	3949258	15709	5/12/2015	120017	cpm	4.629834091
724423.4	3949328	15709	5/12/2015	123215	cpm	4.629834091
724507.7	3949238	15715	5/12/2015	120419	cpm	4.638666843
724412.7	3949275	15717	5/12/2015	122903	cpm	4.641611094
724480.1	3949246	15723	5/12/2015	115817	cpm	4.650443846
724469.9	3949218	15733	5/12/2015	115138	cpm	4.665165099
724534.5	3949213	15747	5/12/2015	114612	cpm	4.685774853
724449.1	3949287	15752	5/12/2015	122306	cpm	4.69313548
724489.1	3949240	15760	5/12/2015	120313	cpm	4.704912482
724491.2	3949240	15773	5/12/2015	120315	cpm	4.724050111
724465.6	3949249	15788	5/12/2015	121149	cpm	4.746131991
724457	3949241	15794	5/12/2015	121433	cpm	4.754964743
724489.9	3949246	15795	5/12/2015	115632	cpm	4.756436868
724473.1	3949245	15798	5/12/2015	115823	cpm	4.760853244
724489.1	3949238	15814	5/12/2015	115531	cpm	4.784407249
724468.2	3949218	15815	5/12/2015	120518	cpm	4.785879374
724478	3949265	15832	5/12/2015	120109	cpm	4.810905504
724489.3	3949326	15832	5/12/2015	123334	cpm	4.810905504
724449.1	3949266	15835	5/12/2015	121837	cpm	4.81532188
724480.4	3949207	15843	5/12/2015	114737	cpm	4.827098883
724472.3	3949255	15845	5/12/2015	120007	cpm	4.830043133
724485.3	3949207	15847	5/12/2015	114741	cpm	4.832987384
724485.8	3949245	15852	5/12/2015	115628	cpm	4.84034801
724474.5	3949206	15855	5/12/2015	114732	cpm	4.844764386
724476.6	3949245	15858	5/12/2015	115820	cpm	4.849180762

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724469.1	3949235	15859	5/12/2015	115549	cpm	4.850652888
724484.4	3949217	15870	5/12/2015	120610	cpm	4.866846266
724492.3	3949209	15874	5/12/2015	114747	cpm	4.872734767
724467.7	3949218	15885	5/12/2015	115140	cpm	4.888928146
724457.2	3949244	15889	5/12/2015	121430	cpm	4.894816647
724468.8	3949237	15898	5/12/2015	115555	cpm	4.908065775
724468.8	3949235	15900	5/12/2015	115551	cpm	4.911010025
724524.9	3949210	15903	5/12/2015	114620	cpm	4.915426401
724470.8	3949248	15926	5/12/2015	115830	cpm	4.949285283
724431.8	3949303	15928	5/12/2015	122814	cpm	4.952229534
724469	3949222	15950	5/12/2015	115152	cpm	4.984616291
724457.4	3949245	15954	5/12/2015	121429	cpm	4.990504792
724481.5	3949271	15954	5/12/2015	123735	cpm	4.990504792
724576.5	3949233	15960	5/12/2015	114450	cpm	4.999337544
724484	3949212	15983	5/12/2015	120946	cpm	5.033196426
724457	3949242	15985	5/12/2015	121432	cpm	5.036140676
724475.6	3949209	15990	5/12/2015	120953	cpm	5.043501303
724470	3949223	15992	5/12/2015	115153	cpm	5.046445553
724514.6	3949208	16000	5/12/2015	114628	cpm	5.058222556
724488.9	3949246	16020	5/12/2015	115631	cpm	5.087665062
724494	3949216	16025	5/12/2015	120937	cpm	5.095025689
724472.2	3949241	16030	5/12/2015	120232	cpm	5.102386315
724476.9	3949243	16043	5/12/2015	115617	cpm	5.121523944
724464.1	3949240	16043	5/12/2015	121140	cpm	5.121523944
724464.4	3949241	16074	5/12/2015	121141	cpm	5.167159829
724482.9	3949276	16084	5/12/2015	123829	cpm	5.181881082
724477.7	3949243	16097	5/12/2015	115619	cpm	5.201018711
724476.7	3949209	16106	5/12/2015	120952	cpm	5.214267838
724522.3	3949210	16109	5/12/2015	114622	cpm	5.218684214
724506.3	3949230	16119	5/12/2015	115107	cpm	5.233405467
724465.6	3949248	16121	5/12/2015	121148	cpm	5.236349718
724483.7	3949240	16123	5/12/2015	120308	cpm	5.239293969
724475	3949260	16136	5/12/2015	120213	cpm	5.258431598
724486.4	3949208	16144	5/12/2015	114742	cpm	5.2702086
724466.2	3949221	16147	5/12/2015	115147	cpm	5.274624976
724488.6	3949208	16148	5/12/2015	114744	cpm	5.276097101
724486.3	3949213	16172	5/12/2015	120944	cpm	5.311428109
724432.3	3949274	16181	5/12/2015	122646	cpm	5.324677237
724507.1	3949233	16203	5/12/2015	115226	cpm	5.357063993
724475.6	3949206	16208	5/12/2015	114733	cpm	5.36442462
724481.5	3949211	16213	5/12/2015	120948	cpm	5.371785246
724482.3	3949216	16231	5/12/2015	120608	cpm	5.398283502
724468	3949218	16263	5/12/2015	120517	cpm	5.445391512
724480.2	3949271	16265	5/12/2015	123731	cpm	5.448335762

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724468.8	3949237	16270	5/12/2015	115559	cpm	5.455696389
724465.4	3949246	16307	5/12/2015	121146	cpm	5.510165025
724477	3949264	16323	5/12/2015	120209	cpm	5.53371903
724493.6	3949210	16324	5/12/2015	114748	cpm	5.535191155
724467.9	3949222	16330	5/12/2015	115151	cpm	5.544023907
724496.5	3949217	16342	5/12/2015	120934	cpm	5.561689411
724465.5	3949247	16353	5/12/2015	121147	cpm	5.577882789
724529.5	3949212	16365	5/12/2015	114616	cpm	5.595548293
724468.2	3949229	16398	5/12/2015	120506	cpm	5.644128428
724495.1	3949216	16410	5/12/2015	120936	cpm	5.661793932
724467.8	3949222	16431	5/12/2015	120513	cpm	5.692708563
724532	3949212	16439	5/12/2015	114614	cpm	5.704485566
724530.8	3949212	16440	5/12/2015	114615	cpm	5.705957691
724477.9	3949207	16447	5/12/2015	114735	cpm	5.716262568
724476.7	3949206	16452	5/12/2015	114734	cpm	5.723623195
724487.9	3949245	16467	5/12/2015	115630	cpm	5.745705074
724472.1	3949223	16486	5/12/2015	115155	cpm	5.773675455
724468.9	3949237	16494	5/12/2015	115600	cpm	5.785452458
724483.3	3949216	16495	5/12/2015	120609	cpm	5.786924583
724491.1	3949209	16501	5/12/2015	114746	cpm	5.795757335
724492	3949215	16532	5/12/2015	120939	cpm	5.841393219
724468.8	3949237	16540	5/12/2015	115556	cpm	5.853170222
724482.7	3949212	16558	5/12/2015	120947	cpm	5.879668477
724485.6	3949217	16585	5/12/2015	120611	cpm	5.919415861
724468.1	3949228	16588	5/12/2015	120507	cpm	5.923832237
724501.3	3949234	16612	5/12/2015	120428	cpm	5.959163244
724489.9	3949209	16628	5/12/2015	114745	cpm	5.982717249
724475.2	3949261	16634	5/12/2015	120212	cpm	5.991550001
724472.9	3949242	16654	5/12/2015	115613	cpm	6.020992507
724472	3949240	16659	5/12/2015	120233	cpm	6.028353133
724457.1	3949243	16685	5/12/2015	121431	cpm	6.066628391
724480.6	3949271	16710	5/12/2015	123734	cpm	6.103431524
724471	3949223	16735	5/12/2015	115154	cpm	6.140234657
724464.7	3949242	16736	5/12/2015	121142	cpm	6.141706782
724477.9	3949210	16740	5/12/2015	120951	cpm	6.147595283
724497.3	3949211	16792	5/12/2015	114751	cpm	6.224145799
724464.9	3949243	16801	5/12/2015	121143	cpm	6.237394927
724465.2	3949245	16823	5/12/2015	121145	cpm	6.269781684
724468.9	3949237	16886	5/12/2015	115557	cpm	6.362525578
724496.1	3949210	16893	5/12/2015	114750	cpm	6.372830455
724494.8	3949210	16900	5/12/2015	114749	cpm	6.383135332
724575.4	3949234	16905	5/12/2015	114451	cpm	6.390495959
724528.3	3949211	16907	5/12/2015	114617	cpm	6.39344021
724506	3949233	16912	5/12/2015	115225	cpm	6.400800836



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724470.3	3949242	16925	5/12/2015	115610	cpm	6.419938465
724466.7	3949217	16961	5/12/2015	115141	cpm	6.472934976
724515.9	3949208	16965	5/12/2015	114627	cpm	6.478823477
724468.9	3949237	16980	5/12/2015	115602	cpm	6.500905357
724471.8	3949242	16981	5/12/2015	115612	cpm	6.502377482
724467.9	3949221	16982	5/12/2015	120514	cpm	6.503849608
724474.5	3949224	16983	5/12/2015	115157	cpm	6.505321733
724468.8	3949237	16991	5/12/2015	115558	cpm	6.517098735
724482.7	3949239	17036	5/12/2015	120307	cpm	6.583344374
724468.9	3949237	17040	5/12/2015	115601	cpm	6.589232876
724507.1	3949223	17059	5/12/2015	120630	cpm	6.617203256
724521.1	3949209	17064	5/12/2015	114623	cpm	6.624563883
724471.8	3949239	17066	5/12/2015	120234	cpm	6.627508133
724466.1	3949219	17106	5/12/2015	115146	cpm	6.686393146
724476.2	3949264	17117	5/12/2015	120210	cpm	6.702586524
724479.6	3949237	17145	5/12/2015	115539	cpm	6.743806033
724467.5	3949224	17152	5/12/2015	120511	cpm	6.75411091
724475.6	3949263	17158	5/12/2015	120211	cpm	6.762943662
724495.8	3949217	17187	5/12/2015	120935	cpm	6.805635296
724519.9	3949209	17203	5/12/2015	114624	cpm	6.829189301
724527.2	3949211	17205	5/12/2015	114618	cpm	6.832133551
724486.7	3949217	17271	5/12/2015	120612	cpm	6.929293821
724481.7	3949238	17274	5/12/2015	120306	cpm	6.933710197
724467.5	3949225	17280	5/12/2015	120510	cpm	6.942542949
724518.5	3949209	17297	5/12/2015	114625	cpm	6.967569079
724468	3949219	17312	5/12/2015	120516	cpm	6.989650959
724493	3949215	17324	5/12/2015	120938	cpm	7.007316463
724473.3	3949223	17418	5/12/2015	115156	cpm	7.145696242
724480.3	3949271	17454	5/12/2015	123733	cpm	7.198692753
724517.2	3949208	17507	5/12/2015	114626	cpm	7.276715394
724478.5	3949237	17519	5/12/2015	115540	cpm	7.294380898
724480.7	3949238	17523	5/12/2015	120305	cpm	7.300269399
724468.9	3949238	17574	5/12/2015	115604	cpm	7.37534779
724469.6	3949230	17578	5/12/2015	120504	cpm	7.381236291
724474.7	3949220	17616	5/12/2015	115134	cpm	7.437177053
724467.9	3949227	17618	5/12/2015	120508	cpm	7.440121303
724469.6	3949241	17629	5/12/2015	115608	cpm	7.456314682
724468	3949220	17630	5/12/2015	120515	cpm	7.457786807
724470.8	3949242	17643	5/12/2015	115611	cpm	7.476924436
724467.6	3949223	17650	5/12/2015	120512	cpm	7.487229313
724467.7	3949226	17733	5/12/2015	120509	cpm	7.609415713
724465.1	3949244	17761	5/12/2015	121144	cpm	7.650635222
724469.1	3949238	17816	5/12/2015	115603	cpm	7.731602114
724469.9	3949235	17847	5/12/2015	115548	cpm	7.777237998

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724466.1	3949219	17903	5/12/2015	115145	cpm	7.859677016
724466	3949217	17948	5/12/2015	115142	cpm	7.925922655
724471.6	3949238	17962	5/12/2015	120235	cpm	7.946532409
724477.5	3949237	17969	5/12/2015	115541	cpm	7.956837286
724487.9	3949238	17978	5/12/2015	115532	cpm	7.970086414
724505.9	3949223	18008	5/12/2015	120629	cpm	8.014250173
724476.6	3949237	18103	5/12/2015	120301	cpm	8.154102077
724505.1	3949230	18127	5/12/2015	115108	cpm	8.189433085
724469.5	3949240	18167	5/12/2015	115607	cpm	8.248318097
724504.9	3949233	18172	5/12/2015	115224	cpm	8.255678723
724465.9	3949217	18173	5/12/2015	115143	cpm	8.257150849
724500.5	3949234	18194	5/12/2015	120429	cpm	8.28806548
724486.6	3949224	18256	5/12/2015	115124	cpm	8.379337249
724469.2	3949239	18377	5/12/2015	115606	cpm	8.557464411
724477.5	3949237	18418	5/12/2015	120302	cpm	8.617821549
724469.6	3949241	18436	5/12/2015	115609	cpm	8.644319805
724480.8	3949237	18480	5/12/2015	115538	cpm	8.709093318
724485.5	3949224	18511	5/12/2015	115125	cpm	8.754729203
724479.6	3949238	18538	5/12/2015	120304	cpm	8.794476586
724481.9	3949237	18721	5/12/2015	115537	cpm	9.063875517
724465.9	3949218	18802	5/12/2015	115144	cpm	9.183117667
724475.9	3949220	18838	5/12/2015	115133	cpm	9.236114178
724475.7	3949224	18845	5/12/2015	115158	cpm	9.246419055
724571.5	3949233	18876	5/12/2015	114454	cpm	9.29205494
724475.7	3949237	18918	5/12/2015	120300	cpm	9.353884203
724484.3	3949223	18925	5/12/2015	115126	cpm	9.36418908
724478.5	3949238	19090	5/12/2015	120303	cpm	9.607089755
724489.1	3949228	19214	5/12/2015	115210	cpm	9.789633294
724504.8	3949222	19308	5/12/2015	120628	cpm	9.928013072
724485.8	3949227	19331	5/12/2015	115207	cpm	9.961871955
724470.9	3949235	19368	5/12/2015	115547	cpm	10.01634059
724490.2	3949229	19373	5/12/2015	115211	cpm	10.02370122
724487.8	3949224	19416	5/12/2015	115123	cpm	10.08700261
724486.9	3949228	19431	5/12/2015	115208	cpm	10.10908449
724482.4	3949226	19564	5/12/2015	115204	cpm	10.30487715
724481.3	3949225	19624	5/12/2015	115203	cpm	10.39320467
724470.6	3949230	19757	5/12/2015	120503	cpm	10.58899734
724488	3949228	19825	5/12/2015	115209	cpm	10.68910186
724484.6	3949227	19834	5/12/2015	115206	cpm	10.70235098
724487.7	3949217	19922	5/12/2015	120613	cpm	10.83189801
724483.1	3949238	20135	5/12/2015	115536	cpm	11.1454607
724471.5	3949237	20303	5/12/2015	120236	cpm	11.39277775
724483	3949223	20305	5/12/2015	115127	cpm	11.395722
724474.7	3949237	20314	5/12/2015	120259	cpm	11.40897113

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724503.7	3949229	20336	5/12/2015	115109	cpm	11.44135789
724476.3	3949236	20708	5/12/2015	115542	cpm	11.9889885
724503.8	3949232	20720	5/12/2015	115223	cpm	12.00665401
724483.9	3949230	20897	5/12/2015	120449	cpm	12.26722019
724475.4	3949230	21127	5/12/2015	120458	cpm	12.60580901
724479.1	3949225	21160	5/12/2015	115201	cpm	12.65438914
724471.8	3949235	21245	5/12/2015	115546	cpm	12.77951979
724471.5	3949237	21365	5/12/2015	120237	cpm	12.95617483
724472.9	3949236	21383	5/12/2015	115545	cpm	12.98267309
724478.3	3949230	21430	5/12/2015	120455	cpm	13.05186297
724480	3949225	21555	5/12/2015	115202	cpm	13.23587864
724471.4	3949237	21633	5/12/2015	120238	cpm	13.35070441
724474.5	3949230	21649	5/12/2015	120459	cpm	13.37425842
724473.5	3949237	21874	5/12/2015	120258	cpm	13.70548661
724488.9	3949225	21903	5/12/2015	115122	cpm	13.74817824
724479.3	3949230	21952	5/12/2015	120454	cpm	13.82031238
724471.5	3949237	22011	5/12/2015	120243	cpm	13.90716778
724476.3	3949230	22014	5/12/2015	120457	cpm	13.91158415
724473.6	3949230	22040	5/12/2015	120500	cpm	13.94985941
724474.1	3949236	22082	5/12/2015	115544	cpm	14.01168867
724471.5	3949237	22100	5/12/2015	120249	cpm	14.03818693
724471.7	3949237	22197	5/12/2015	120256	cpm	14.18098309
724478	3949225	22272	5/12/2015	115200	cpm	14.29139248
724482.1	3949230	22299	5/12/2015	120451	cpm	14.33113987
724471.5	3949237	22319	5/12/2015	120253	cpm	14.36058237
724471.4	3949237	22343	5/12/2015	120246	cpm	14.39591338
724471.4	3949237	22362	5/12/2015	120245	cpm	14.42388376
724471.5	3949237	22371	5/12/2015	120242	cpm	14.43713289
724499.8	3949233	22377	5/12/2015	120430	cpm	14.44596564
724471.4	3949237	22496	5/12/2015	120240	cpm	14.62114855
724477.3	3949230	22509	5/12/2015	120456	cpm	14.64028618
724475.2	3949236	22523	5/12/2015	115543	cpm	14.66089594
724476.8	3949224	22555	5/12/2015	115159	cpm	14.70800395
724471.5	3949237	22625	5/12/2015	120252	cpm	14.81105272
724481.8	3949222	22657	5/12/2015	115128	cpm	14.85816073
724481.1	3949230	22713	5/12/2015	120452	cpm	14.94059974
724489.2	3949232	22769	5/12/2015	120443	cpm	15.02303876
724471.5	3949237	22810	5/12/2015	120251	cpm	15.0833959
724472.5	3949237	22821	5/12/2015	120257	cpm	15.09958928
724471.5	3949237	22822	5/12/2015	120254	cpm	15.1010614
724491.3	3949229	22905	5/12/2015	115212	cpm	15.2232478
724471.6	3949230	22923	5/12/2015	120502	cpm	15.24974606
724484.8	3949230	23017	5/12/2015	120448	cpm	15.38812584
724502.8	3949232	23049	5/12/2015	115222	cpm	15.43523385

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724471.4	3949237	23131	5/12/2015	120241	cpm	15.55594812
724486.7	3949238	23147	5/12/2015	115533	cpm	15.57950213
724471.5	3949237	23168	5/12/2015	120244	cpm	15.61041676
724488.4	3949232	23217	5/12/2015	120444	cpm	15.6825509
724477	3949221	23224	5/12/2015	115132	cpm	15.69285578
724484.3	3949238	23275	5/12/2015	115535	cpm	15.76793417
724503.6	3949222	23325	5/12/2015	120627	cpm	15.84154043
724490	3949225	23460	5/12/2015	115121	cpm	16.04027735
724489.9	3949231	23544	5/12/2015	120442	cpm	16.16393587
724471.5	3949237	23576	5/12/2015	120248	cpm	16.21104388
724502.5	3949229	23664	5/12/2015	115110	cpm	16.34059091
724471.5	3949237	23711	5/12/2015	120250	cpm	16.4097808
724471.5	3949237	23796	5/12/2015	120247	cpm	16.53491145
724485.8	3949231	23825	5/12/2015	120447	cpm	16.57760309
724486.6	3949231	23863	5/12/2015	120446	cpm	16.63354385
724495.5	3949220	23871	5/12/2015	120620	cpm	16.64532085
724487.5	3949231	24077	5/12/2015	120445	cpm	16.94857866
724572.8	3949234	24517	5/12/2015	114453	cpm	17.5963138
724493.2	3949219	24851	5/12/2015	120618	cpm	18.08800365
724490.5	3949232	24950	5/12/2015	120441	cpm	18.23374406
724488.7	3949218	25014	5/12/2015	120614	cpm	18.32796008
724502.5	3949222	25081	5/12/2015	120626	cpm	18.42659247
724501.8	3949232	25336	5/12/2015	115221	cpm	18.80198442
724472.6	3949230	25500	5/12/2015	120501	cpm	19.04341298
724492	3949219	25794	5/12/2015	120617	cpm	19.47621782
724496.4	3949233	26255	5/12/2015	120434	cpm	20.15486758
724501.4	3949222	26309	5/12/2015	120625	cpm	20.23436235
724480.7	3949222	26657	5/12/2015	115129	cpm	20.74666196
724478.3	3949221	26820	5/12/2015	115131	cpm	20.98661838
724485.5	3949238	26925	5/12/2015	115534	cpm	21.14119154
724500.5	3949232	27175	5/12/2015	115220	cpm	21.50922287
724574	3949234	27426	5/12/2015	114452	cpm	21.87872632
724496.7	3949220	27460	5/12/2015	120621	cpm	21.92877858
724491	3949225	27760	5/12/2015	115120	cpm	22.37041617
724501.3	3949228	28101	5/12/2015	115111	cpm	22.8724109
724495.6	3949233	28261	5/12/2015	120435	cpm	23.10795095
724492.5	3949229	28349	5/12/2015	115213	cpm	23.23749798
724497.3	3949233	28476	5/12/2015	120433	cpm	23.42445789
724498.1	3949233	28529	5/12/2015	120432	cpm	23.50248053
724479.5	3949222	28854	5/12/2015	115130	cpm	23.98092126
724490.8	3949219	29309	5/12/2015	120616	cpm	24.65073827
724498.9	3949233	29319	5/12/2015	120431	cpm	24.66545952
724496.5	3949227	29720	5/12/2015	115115	cpm	25.25578177
724500.2	3949221	29879	5/12/2015	120624	cpm	25.4898497

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
724491.3	3949232	29969	5/12/2015	120440	cpm	25.62234097
724499.4	3949231	30232	5/12/2015	115219	cpm	26.00950993
724494.4	3949226	30382	5/12/2015	115117	cpm	26.23032873
724489.7	3949218	30585	5/12/2015	120615	cpm	26.52917016
724492	3949225	30671	5/12/2015	115119	cpm	26.65577294
724500.1	3949228	32569	5/12/2015	115112	cpm	29.44986677
724493.8	3949232	33034	5/12/2015	120437	cpm	30.13440504
724493.1	3949226	33380	5/12/2015	115118	cpm	30.6437604
724498.3	3949231	35078	5/12/2015	115218	cpm	33.14342917
724499	3949221	35545	5/12/2015	120623	cpm	33.83091169
724497.7	3949227	35595	5/12/2015	115114	cpm	33.90451795
724494.9	3949229	36586	5/12/2015	115215	cpm	35.36339413
724498.9	3949227	37347	5/12/2015	115113	cpm	36.48368149
724497.2	3949230	37695	5/12/2015	115217	cpm	36.9959811
724497.9	3949221	39390	5/12/2015	120622	cpm	39.49123349
724496.1	3949230	40454	5/12/2015	115216	cpm	41.05757482
724492.2	3949232	40994	5/12/2015	120439	cpm	41.85252249
724493	3949232	42559	5/12/2015	120438	cpm	44.15639859
	mean	13912				1.98 mean
	min	9525				-4.47 min
	max	42559				44.16 max
	std dev	2803				4.13 std dev

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724633.5	3949200	29839	05/12/2011	113109	cpm	-3.13786334
724633.5	3949200	27230	05/12/2011	113111	cpm	-4.790070293
724633.5	3949200	28017	05/12/2011	113112	cpm	-4.291685137
724633.5	3949200	27284	05/12/2011	113113	cpm	-4.755873599
724633.5	3949200	26591	05/12/2011	113114	cpm	-5.194731176
724633.5	3949200	28646	05/12/2011	113116	cpm	-3.893356975
724633.5	3949200	29871	05/12/2011	113117	cpm	-3.117598632
724633.6	3949200	28678	05/12/2011	113118	cpm	-3.873092268
724633.5	3949200	27689	05/12/2011	113119	cpm	-4.499398391
724633.5	3949200	28432	05/12/2011	113120	cpm	-4.028877209
724633.5	3949200	28648	05/12/2011	113121	cpm	-3.892090431
724633.5	3949200	29962	05/12/2011	113122	cpm	-3.059970869
724633.6	3949200	32540	05/12/2011	113124	cpm	-1.427395352
724633.6	3949200	31265	05/12/2011	113125	cpm	-2.234817301
724633.6	3949200	30196	05/12/2011	113126	cpm	-2.911785194
724633.6	3949200	28549	05/12/2011	113127	cpm	-3.954784371
724633.6	3949200	28677	05/12/2011	113128	cpm	-3.87372554
724633.6	3949200	27509	05/12/2011	113129	cpm	-4.613387373
724633.6	3949200	32347	05/12/2011	113130	cpm	-1.54961687
724633.6	3949200	34996	05/12/2011	113131	cpm	0.127920968
724633.6	3949200	29224	05/12/2011	113133	cpm	-3.527325692
724633.6	3949200	29446	05/12/2011	113134	cpm	-3.386739282
724633.6	3949200	32843	05/12/2011	113135	cpm	-1.2355139
724633.6	3949200	28015	05/12/2011	113136	cpm	-4.292951681
724633.6	3949200	27794	05/12/2011	113137	cpm	-4.432904819
724633.6	3949200	28758	05/12/2011	113138	cpm	-3.822430498
724633.6	3949200	29839	05/12/2011	113139	cpm	-3.13786334
724633.6	3949200	28969	05/12/2011	113140	cpm	-3.688810082
724633.6	3949200	29892	05/12/2011	113141	cpm	-3.104299918
724633.6	3949200	28913	05/12/2011	113143	cpm	-3.72427332
724633.6	3949200	31048	05/12/2011	113144	cpm	-2.37223735
724633.6	3949200	31492	05/12/2011	113145	cpm	-2.09106453
724633.6	3949200	31183	05/12/2011	113146	cpm	-2.286745615
724633.6	3949200	27985	05/12/2011	113147	cpm	-4.311949845
724633.6	3949200	26286	05/12/2011	113148	cpm	-5.387879172
724633.6	3949200	30181	05/12/2011	113149	cpm	-2.921284276
724633.6	3949200	30555	05/12/2011	113150	cpm	-2.684440504
724633.6	3949200	28578	05/12/2011	113151	cpm	-3.936419479
724633.6	3949200	28174	05/12/2011	113152	cpm	-4.192261415
724633.6	3949200	32723	05/12/2011	113153	cpm	-1.311506554
724633.6	3949200	29901	05/12/2011	113154	cpm	-3.098600469
724633.6	3949200	28415	05/12/2011	113155	cpm	-4.039642835

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724633.6	3949200	27353	05/12/2011	113156	cpm	-4.712177823
724633.6	3949200	31408	05/12/2011	113157	cpm	-2.144259388
724633.8	3949200	30532	05/12/2011	113158	cpm	-2.699005763
724633.9	3949200	29413	05/12/2011	113159	cpm	-3.407637262
724633.9	3949200	28473	05/12/2011	113200	cpm	-4.002913052
724634	3949200	30848	05/12/2011	113201	cpm	-2.498891774
724634	3949200	31052	05/12/2011	113202	cpm	-2.369704262
724633.9	3949200	29543	05/12/2011	113203	cpm	-3.325311887
724633.7	3949200	31115	05/12/2011	113204	cpm	-2.329808119
724634	3949200	30039	05/12/2011	113205	cpm	-3.011208916
724633.7	3949200	29019	05/12/2011	113206	cpm	-3.657146476
724633.5	3949200	28795	05/12/2011	113207	cpm	-3.79899943
724633.5	3949200	27028	05/12/2011	113208	cpm	-4.917991261
724633.5	3949200	30877	05/12/2011	113209	cpm	-2.480526882
724633.5	3949200	28779	05/12/2011	113210	cpm	-3.809131784
724633.5	3949200	28764	05/12/2011	113211	cpm	-3.818630866
724633.5	3949200	28701	05/12/2011	113212	cpm	-3.858527009
724633.5	3949200	30515	05/12/2011	113213	cpm	-2.709771389
724633.5	3949200	29078	05/12/2011	113214	cpm	-3.619783421
724633.5	3949200	28209	05/12/2011	113215	cpm	-4.170096891
724633.4	3949200	28712	05/12/2011	113216	cpm	-3.851561016
724632.8	3949200	29978	05/12/2011	113217	cpm	-3.049838516
724632.1	3949201	30054	05/12/2011	113218	cpm	-3.001709835
724631.4	3949201	30163	05/12/2011	113219	cpm	-2.932683174
724630.4	3949202	29051	05/12/2011	113220	cpm	-3.636881768
724629.2	3949202	27512	05/12/2011	113221	cpm	-4.611487556
724628.2	3949202	29408	05/12/2011	113222	cpm	-3.410803622
724627.1	3949202	28472	05/12/2011	113223	cpm	-4.003546324
724625.9	3949203	27968	05/12/2011	113224	cpm	-4.322715471
724624.7	3949203	31324	05/12/2011	113225	cpm	-2.197454246
724623.4	3949203	33510	05/12/2011	113226	cpm	-0.813121398
724622	3949202	32017	05/12/2011	113227	cpm	-1.758596669
724620.8	3949202	30414	05/12/2011	113228	cpm	-2.773731873
724619.5	3949202	30733	05/12/2011	113229	cpm	-2.571718067
724618.3	3949201	32163	05/12/2011	113230	cpm	-1.66613894
724617.2	3949201	30510	05/12/2011	113231	cpm	-2.712937749
724616.3	3949201	29527	05/12/2011	113232	cpm	-3.33544424
724615.6	3949202	30812	05/12/2011	113233	cpm	-2.52168957
724614.9	3949202	31523	05/12/2011	113234	cpm	-2.071433095
724614.3	3949203	35810	05/12/2011	113235	cpm	0.643404471
724613.4	3949203	38052	05/12/2011	113236	cpm	2.063200557
724612.4	3949203	35943	05/12/2011	113237	cpm	0.727629662

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724611.2	3949202	37065	05/12/2011	113238	cpm	1.438160978
724609.8	3949202	39176	05/12/2011	113239	cpm	2.774998417
724608.7	3949201	34994	05/12/2011	113240	cpm	0.126654423
724607.9	3949201	33468	05/12/2011	113241	cpm	-0.839718827
724607.1	3949200	36867	05/12/2011	113242	cpm	1.312773099
724606.3	3949199	33306	05/12/2011	113243	cpm	-0.94230891
724605.5	3949199	31426	05/12/2011	113244	cpm	-2.13286049
724604.6	3949199	30806	05/12/2011	113245	cpm	-2.525489203
724604	3949200	31041	05/12/2011	113246	cpm	-2.376670255
724603.7	3949200	31961	05/12/2011	113247	cpm	-1.794059908
724603.6	3949201	31310	05/12/2011	113248	cpm	-2.206320056
724603.4	3949202	31197	05/12/2011	113249	cpm	-2.277879805
724602.9	3949202	31259	05/12/2011	113250	cpm	-2.238616934
724602.1	3949203	28815	05/12/2011	113251	cpm	-3.786333988
724601.1	3949203	31173	05/12/2011	113252	cpm	-2.293078336
724600.1	3949204	30593	05/12/2011	113253	cpm	-2.660376164
724599.1	3949205	28768	05/12/2011	113254	cpm	-3.816097777
724597.9	3949205	32242	05/12/2011	113255	cpm	-1.616110443
724596.7	3949206	29990	05/12/2011	113256	cpm	-3.04223925
724595.8	3949206	27687	05/12/2011	113257	cpm	-4.500664936
724594.7	3949207	31252	05/12/2011	113258	cpm	-2.243049839
724593.6	3949207	32023	05/12/2011	113259	cpm	-1.754797036
724592.4	3949208	33025	05/12/2011	113300	cpm	-1.120258375
724591.2	3949209	31836	05/12/2011	113301	cpm	-1.873218922
724590	3949209	31599	05/12/2011	113302	cpm	-2.023304414
724588.9	3949210	32049	05/12/2011	113303	cpm	-1.738331961
724587.7	3949211	30032	05/12/2011	113304	cpm	-3.015641821
724586.9	3949212	29108	05/12/2011	113305	cpm	-3.600785257
724585.9	3949212	31907	05/12/2011	113306	cpm	-1.828256602
724585	3949213	28286	05/12/2011	113307	cpm	-4.121334938
724584	3949214	28641	05/12/2011	113308	cpm	-3.896523336
724582.9	3949215	29840	05/12/2011	113309	cpm	-3.137230068
724581.8	3949215	32060	05/12/2011	113310	cpm	-1.731365968
724580.7	3949216	34115	05/12/2011	113311	cpm	-0.429991767
724579.8	3949217	32258	05/12/2011	113312	cpm	-1.605978089
724579.1	3949218	35064	05/12/2011	113313	cpm	0.170983472
724578.5	3949220	32016	05/12/2011	113314	cpm	-1.759229941
724578	3949221	34224	05/12/2011	113315	cpm	-0.360965107
724577.6	3949222	37986	05/12/2011	113316	cpm	2.021404598
724577.3	3949223	35206	05/12/2011	113317	cpm	0.260908112
724577.2	3949225	34961	05/12/2011	113318	cpm	0.105756444
724577.1	3949226	40000	05/12/2011	113319	cpm	3.296814641



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724576.9	3949227	40420	05/12/2011	113320	cpm	3.56278893
724576.7	3949228	45895	05/12/2011	113321	cpm	7.029953771
724576.5	3949230	42373	05/12/2011	113322	cpm	4.799569375
724576.2	3949230	44253	05/12/2011	113323	cpm	5.990120955
724575.8	3949231	43103	05/12/2011	113324	cpm	5.26185802
724575.2	3949231	50585	05/12/2011	113325	cpm	10
724575	3949231	56026	05/12/2011	113326	cpm	13.44563359
724575.1	3949231	60296	05/12/2011	113327	cpm	16.14970553
724574.9	3949231	67094	05/12/2011	113328	cpm	20.45468938
724575	3949231	64233	05/12/2011	113329	cpm	18.64289785
724574.7	3949231	52058	05/12/2011	113330	cpm	10.93280983
724575.3	3949231	48774	05/12/2011	113331	cpm	8.853144196
724576.1	3949232	42043	05/12/2011	113332	cpm	4.590589576
724576.7	3949232	34751	05/12/2011	113333	cpm	-0.027230701
724577.4	3949233	37187	05/12/2011	113334	cpm	1.515420176
724577.8	3949234	40526	05/12/2011	113335	cpm	3.629915775
724578	3949235	41031	05/12/2011	113336	cpm	3.949718194
724578	3949236	46378	05/12/2011	113337	cpm	7.335824204
724578.2	3949235	45194	05/12/2011	113338	cpm	6.586030017
724578.4	3949235	40848	05/12/2011	113339	cpm	3.833829396
724578.6	3949235	44262	05/12/2011	113340	cpm	5.995820404
724578.1	3949235	44965	05/12/2011	113341	cpm	6.441010702
724577.7	3949235	45771	05/12/2011	113342	cpm	6.951428029
724577.5	3949235	43332	05/12/2011	113343	cpm	5.406877335
724577.3	3949235	39453	05/12/2011	113344	cpm	2.950414793
724576.6	3949234	36053	05/12/2011	113345	cpm	0.797289595
724575.6	3949234	34033	05/12/2011	113346	cpm	-0.481920081
724574.5	3949234	37668	05/12/2011	113347	cpm	1.820024064
724573.7	3949233	35607	05/12/2011	113348	cpm	0.514850231
724573.5	3949233	37101	05/12/2011	113349	cpm	1.460958774
724573.5	3949233	32345	05/12/2011	113350	cpm	-1.550883415
724573.6	3949233	35476	05/12/2011	113351	cpm	0.431891584
724573.1	3949233	35299	05/12/2011	113352	cpm	0.319802419
724572.6	3949232	36214	05/12/2011	113353	cpm	0.899246406
724572.3	3949230	33773	05/12/2011	113354	cpm	-0.646570831
724572.1	3949229	32863	05/12/2011	113355	cpm	-1.222848458
724571.7	3949228	34556	05/12/2011	113356	cpm	-0.150718764
724571.1	3949227	41489	05/12/2011	113357	cpm	4.239756824
724570.3	3949225	37792	05/12/2011	113358	cpm	1.898549807
724569.6	3949224	39928	05/12/2011	113359	cpm	3.251219049
724569.2	3949223	39922	05/12/2011	113400	cpm	3.247419416
724568.9	3949222	33140	05/12/2011	113401	cpm	-1.047432082

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724568.6	3949221	34325	05/12/2011	113402	cpm	-0.297004623
724568.3	3949219	36181	05/12/2011	113403	cpm	0.878348426
724567.8	3949218	31215	05/12/2011	113404	cpm	-2.266480907
724567.5	3949217	33843	05/12/2011	113405	cpm	-0.602241783
724567	3949216	34531	05/12/2011	113406	cpm	-0.166550567
724566.2	3949215	31792	05/12/2011	113407	cpm	-1.901082895
724565.4	3949214	30808	05/12/2011	113408	cpm	-2.524222658
724564.8	3949213	32212	05/12/2011	113409	cpm	-1.635108606
724564.2	3949212	33103	05/12/2011	113410	cpm	-1.07086315
724563.5	3949212	30955	05/12/2011	113411	cpm	-2.431131657
724562.5	3949211	31349	05/12/2011	113412	cpm	-2.181622443
724561.5	3949210	33127	05/12/2011	113413	cpm	-1.055664619
724560.6	3949210	31201	05/12/2011	113414	cpm	-2.275346716
724559.7	3949209	30270	05/12/2011	113415	cpm	-2.864923057
724558.7	3949208	29767	05/12/2011	113416	cpm	-3.183458932
724557.7	3949208	32342	05/12/2011	113417	cpm	-1.552783231
724556.8	3949208	31965	05/12/2011	113418	cpm	-1.791526819
724556.1	3949207	33131	05/12/2011	113419	cpm	-1.053131531
724555.5	3949207	32103	05/12/2011	113420	cpm	-1.704135267
724554.8	3949207	33435	05/12/2011	113421	cpm	-0.860616807
724554.1	3949206	32538	05/12/2011	113422	cpm	-1.428661896
724552.5	3949205	33643	05/12/2011	113424	cpm	-0.728896207
724550.5	3949204	35177	05/12/2011	113426	cpm	0.242543221
724548.3	3949202	29431	05/12/2011	113428	cpm	-3.396238364
724546.3	3949202	30414	05/12/2011	113430	cpm	-2.773731873
724544.5	3949201	34256	05/12/2011	113432	cpm	-0.340700399
724544.4	3949201	31694	05/12/2011	113433	cpm	-1.963143563
724544.4	3949201	31533	05/12/2011	113434	cpm	-2.065100374
724544.4	3949201	31493	05/12/2011	113435	cpm	-2.090431258
724544.4	3949201	31993	05/12/2011	113436	cpm	-1.7737952
724544.2	3949201	30528	05/12/2011	113437	cpm	-2.701538851
724544.2	3949201	30882	05/12/2011	113438	cpm	-2.477360522
724544.3	3949201	28240	05/12/2011	113439	cpm	-4.150465455
724544.3	3949201	29980	05/12/2011	113440	cpm	-3.048571971
724544.3	3949201	28075	05/12/2011	113441	cpm	-4.254955354
724544.3	3949201	31168	05/12/2011	113443	cpm	-2.296244696
724544.3	3949201	37462	05/12/2011	113444	cpm	1.689570008
724543.9	3949200	32435	05/12/2011	113445	cpm	-1.493888924
724543.1	3949200	32228	05/12/2011	113446	cpm	-1.624976252
724542	3949199	32494	05/12/2011	113447	cpm	-1.456525869
724540.9	3949199	31016	05/12/2011	113448	cpm	-2.392502058
724540.2	3949198	32054	05/12/2011	113449	cpm	-1.735165601

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724539.8	3949198	31233	05/12/2011	113450	cpm	-2.255082009
724539	3949198	33758	05/12/2011	113451	cpm	-0.656069913
724538.2	3949198	30939	05/12/2011	113452	cpm	-2.441264011
724537.2	3949197	34555	05/12/2011	113453	cpm	-0.151352036
724536.3	3949197	33688	05/12/2011	113454	cpm	-0.700398961
724535.4	3949196	30764	05/12/2011	113455	cpm	-2.552086632
724534.4	3949196	28850	05/12/2011	113456	cpm	-3.764169464
724533.3	3949195	29562	05/12/2011	113457	cpm	-3.313279716
724532.4	3949195	32530	05/12/2011	113458	cpm	-1.433728073
724531.3	3949195	31682	05/12/2011	113459	cpm	-1.970742828
724530.4	3949194	30000	05/12/2011	113500	cpm	-3.035906529
724529.3	3949194	32670	05/12/2011	113501	cpm	-1.345069977
724528.1	3949194	31537	05/12/2011	113502	cpm	-2.062567285
724527.2	3949193	29994	05/12/2011	113503	cpm	-3.039706162
724526.6	3949193	32038	05/12/2011	113504	cpm	-1.745297955
724526.5	3949193	31289	05/12/2011	113505	cpm	-2.21961877
724526.4	3949193	31042	05/12/2011	113506	cpm	-2.376036983
724526.4	3949193	31550	05/12/2011	113507	cpm	-2.054334748
724526.4	3949193	29967	05/12/2011	113508	cpm	-3.056804509
724525.6	3949193	31222	05/12/2011	113509	cpm	-2.262048002
724524.6	3949193	31925	05/12/2011	113510	cpm	-1.816857704
724523.5	3949193	30361	05/12/2011	113511	cpm	-2.807295295
724522.4	3949192	29700	05/12/2011	113512	cpm	-3.225888164
724521.2	3949192	30105	05/12/2011	113513	cpm	-2.969412957
724520	3949192	34586	05/12/2011	113514	cpm	-0.1317206
724518.8	3949191	34476	05/12/2011	113515	cpm	-0.201380533
724517.6	3949191	30189	05/12/2011	113516	cpm	-2.916218099
724516.4	3949191	29837	05/12/2011	113517	cpm	-3.139129884
724515.3	3949191	33769	05/12/2011	113518	cpm	-0.64910392
724514.2	3949191	30852	05/12/2011	113519	cpm	-2.496358685
724513	3949191	29763	05/12/2011	113520	cpm	-3.185992021
724511.7	3949191	32250	05/12/2011	113521	cpm	-1.611044266
724510.5	3949190	30862	05/12/2011	113522	cpm	-2.490025964
724509.2	3949190	30305	05/12/2011	113523	cpm	-2.842758533
724507.9	3949190	27496	05/12/2011	113524	cpm	-4.62161991
724506.7	3949190	28354	05/12/2011	113525	cpm	-4.078272434
724505.5	3949189	29228	05/12/2011	113526	cpm	-3.524792603
724504.4	3949189	27227	05/12/2011	113527	cpm	-4.79197011
724503.3	3949189	28076	05/12/2011	113528	cpm	-4.254322082
724502.2	3949189	29999	05/12/2011	113529	cpm	-3.036539801
724501.1	3949188	31140	05/12/2011	113530	cpm	-2.313976316
724499.8	3949188	30705	05/12/2011	113531	cpm	-2.589449687

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724498.5	3949188	29486	05/12/2011	113532	cpm	-3.361408397
724497.3	3949188	32721	05/12/2011	113533	cpm	-1.312773099
724496.1	3949187	32240	05/12/2011	113534	cpm	-1.617376987
724493.6	3949187	31538	05/12/2011	113536	cpm	-2.061934013
724491.2	3949186	31048	05/12/2011	113538	cpm	-2.37223735
724489.4	3949186	32773	05/12/2011	113540	cpm	-1.279842949
724487.7	3949185	32100	05/12/2011	113542	cpm	-1.706035083
724485.9	3949184	30903	05/12/2011	113544	cpm	-2.464061807
724484.8	3949184	31936	05/12/2011	113545	cpm	-1.80989171
724483.7	3949183	33004	05/12/2011	113546	cpm	-1.133557089
724482.7	3949183	39391	05/12/2011	113547	cpm	2.911151922
724481.8	3949183	43177	05/12/2011	113548	cpm	5.308720157
724480.7	3949182	34584	05/12/2011	113549	cpm	-0.132987145
724479.8	3949182	34656	05/12/2011	113550	cpm	-0.087391552
724479.2	3949181	35094	05/12/2011	113551	cpm	0.189981635
724479	3949181	37153	05/12/2011	113552	cpm	1.493888924
724478.9	3949181	32988	05/12/2011	113553	cpm	-1.143689443
724478.9	3949182	33597	05/12/2011	113555	cpm	-0.758026724
724479	3949182	31319	05/12/2011	113556	cpm	-2.200620607
724478.7	3949181	31290	05/12/2011	113557	cpm	-2.218985498
724477.9	3949181	32062	05/12/2011	113558	cpm	-1.730099424
724476.8	3949180	37085	05/12/2011	113559	cpm	1.45082642
724475.7	3949180	36121	05/12/2011	113600	cpm	0.840352099
724474.6	3949180	31710	05/12/2011	113601	cpm	-1.953011209
724473.4	3949180	31657	05/12/2011	113602	cpm	-1.986574631
724472.4	3949180	31104	05/12/2011	113603	cpm	-2.336774112
724471.5	3949180	30966	05/12/2011	113604	cpm	-2.424165664
724470.5	3949180	30991	05/12/2011	113605	cpm	-2.408333861
724469.5	3949180	31987	05/12/2011	113606	cpm	-1.777594832
724468.4	3949180	35837	05/12/2011	113607	cpm	0.660502818
724467.3	3949181	32179	05/12/2011	113608	cpm	-1.656006586
724466.2	3949181	34084	05/12/2011	113609	cpm	-0.449623203
724465.3	3949182	31771	05/12/2011	113610	cpm	-1.91438161
724464.6	3949182	31132	05/12/2011	113611	cpm	-2.319042493
724464.3	3949182	29593	05/12/2011	113612	cpm	-3.293648281
724463.9	3949182	33948	05/12/2011	113613	cpm	-0.535748211
724463.5	3949182	33627	05/12/2011	113614	cpm	-0.739028561
724463.5	3949183	30186	05/12/2011	113615	cpm	-2.918117915
724464.2	3949183	28126	05/12/2011	113616	cpm	-4.222658476
724465	3949183	30791	05/12/2011	113617	cpm	-2.534988284
724466.2	3949184	27828	05/12/2011	113618	cpm	-4.411373567
724467.4	3949184	27834	05/12/2011	113619	cpm	-4.407573935

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724468.7	3949184	30209	05/12/2011	113620	cpm	-2.903552657
724470.1	3949185	31012	05/12/2011	113621	cpm	-2.395035147
724471.3	3949185	33133	05/12/2011	113622	cpm	-1.051864986
724472.6	3949185	30273	05/12/2011	113623	cpm	-2.863023241
724473.9	3949185	29138	05/12/2011	113624	cpm	-3.581787094
724475.2	3949185	28734	05/12/2011	113625	cpm	-3.837629029
724476.3	3949185	31723	05/12/2011	113626	cpm	-1.944778671
724477.3	3949186	32381	05/12/2011	113627	cpm	-1.528085618
724478.4	3949186	32005	05/12/2011	113628	cpm	-1.766195934
724479.7	3949187	31821	05/12/2011	113629	cpm	-1.882718004
724481	3949187	29255	05/12/2011	113630	cpm	-3.507694256
724482	3949188	29693	05/12/2011	113631	cpm	-3.230321069
724483.2	3949188	30253	05/12/2011	113632	cpm	-2.875688683
724484.4	3949189	32013	05/12/2011	113633	cpm	-1.761129757
724485.3	3949189	32063	05/12/2011	113634	cpm	-1.729466152
724485.7	3949189	29075	05/12/2011	113635	cpm	-3.621683237
724485.7	3949189	32349	05/12/2011	113636	cpm	-1.548350326
724485.7	3949189	28877	05/12/2011	113637	cpm	-3.747071116
724485.8	3949190	29329	05/12/2011	113638	cpm	-3.46083212
724486.5	3949190	29652	05/12/2011	113639	cpm	-3.256285226
724487.5	3949191	33003	05/12/2011	113640	cpm	-1.134190362
724488.5	3949191	32280	05/12/2011	113641	cpm	-1.592046102
724489.2	3949192	32850	05/12/2011	113642	cpm	-1.231080996
724490.2	3949193	32002	05/12/2011	113643	cpm	-1.768095751
724491.4	3949193	27140	05/12/2011	113644	cpm	-4.847064784
724492.6	3949194	30425	05/12/2011	113645	cpm	-2.766765879
724493.8	3949194	29056	05/12/2011	113646	cpm	-3.633715408
724495	3949194	29764	05/12/2011	113647	cpm	-3.185358749
724496	3949193	29011	05/12/2011	113648	cpm	-3.662212653
724496.6	3949192	33472	05/12/2011	113649	cpm	-0.837185739
724497	3949190	33772	05/12/2011	113650	cpm	-0.647204104
724497.9	3949188	30685	05/12/2011	113652	cpm	-2.602115129
724499.1	3949186	31572	05/12/2011	113654	cpm	-2.040402761
724500.5	3949184	27165	05/12/2011	113656	cpm	-4.831232981
724502.3	3949182	28480	05/12/2011	113658	cpm	-3.998480147
724504.5	3949181	31292	05/12/2011	113700	cpm	-2.217718954
724505.9	3949181	29663	05/12/2011	113701	cpm	-3.249319232
724507.2	3949181	28925	05/12/2011	113702	cpm	-3.716674055
724508.4	3949181	30901	05/12/2011	113703	cpm	-2.465328352
724509.7	3949181	30975	05/12/2011	113704	cpm	-2.418466215
724511	3949181	30153	05/12/2011	113705	cpm	-2.939015895
724512.2	3949181	31988	05/12/2011	113706	cpm	-1.77696156

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724513.4	3949181	29387	05/12/2011	113707	cpm	-3.424102337
724514.8	3949181	31796	05/12/2011	113708	cpm	-1.898549807
724517.6	3949181	30869	05/12/2011	113710	cpm	-2.485593059
724519	3949181	28177	05/12/2011	113711	cpm	-4.190361598
724520.2	3949181	29784	05/12/2011	113712	cpm	-3.172693306
724521.4	3949180	31152	05/12/2011	113713	cpm	-2.30637705
724522.7	3949180	32634	05/12/2011	113714	cpm	-1.367867773
724524	3949179	29968	05/12/2011	113715	cpm	-3.056171237
724525.3	3949179	30532	05/12/2011	113716	cpm	-2.699005763
724526.6	3949179	27613	05/12/2011	113717	cpm	-4.547527072
724527.9	3949179	26883	05/12/2011	113718	cpm	-5.009815718
724529.2	3949179	28590	05/12/2011	113719	cpm	-3.928820214
724530.3	3949179	29347	05/12/2011	113720	cpm	-3.449433221
724531.5	3949180	29147	05/12/2011	113721	cpm	-3.576087645
724532.6	3949180	29126	05/12/2011	113722	cpm	-3.589386359
724533.7	3949181	31581	05/12/2011	113723	cpm	-2.034703312
724534.9	3949181	29615	05/12/2011	113724	cpm	-3.279716294
724536.2	3949182	31373	05/12/2011	113725	cpm	-2.166423912
724537.4	3949182	30343	05/12/2011	113726	cpm	-2.818694193
724538.6	3949183	31076	05/12/2011	113727	cpm	-2.354505731
724539.8	3949184	29969	05/12/2011	113728	cpm	-3.055537965
724540.9	3949184	29512	05/12/2011	113729	cpm	-3.344943322
724542	3949185	29518	05/12/2011	113730	cpm	-3.341143689
724543	3949186	29909	05/12/2011	113731	cpm	-3.093534292
724544.1	3949187	28687	05/12/2011	113732	cpm	-3.867392819
724545.5	3949187	29491	05/12/2011	113733	cpm	-3.358242037
724546.8	3949187	28042	05/12/2011	113734	cpm	-4.275853334
724548.2	3949188	30830	05/12/2011	113735	cpm	-2.510290672
724549.4	3949188	31077	05/12/2011	113736	cpm	-2.353872459
724550.7	3949189	30929	05/12/2011	113737	cpm	-2.447596732
724551.9	3949189	29452	05/12/2011	113738	cpm	-3.382939649
724553.2	3949190	33313	05/12/2011	113739	cpm	-0.937876005
724554.4	3949190	33138	05/12/2011	113740	cpm	-1.048698626
724555.6	3949191	28504	05/12/2011	113741	cpm	-3.983281616
724556.9	3949191	31396	05/12/2011	113742	cpm	-2.151858654
724558.2	3949192	34279	05/12/2011	113743	cpm	-0.32613514
724559.4	3949192	30559	05/12/2011	113744	cpm	-2.681907416
724560.5	3949193	29390	05/12/2011	113745	cpm	-3.42220252
724561.6	3949193	28407	05/12/2011	113746	cpm	-4.044709011
724562.8	3949194	32512	05/12/2011	113747	cpm	-1.445126971
724564	3949194	29368	05/12/2011	113748	cpm	-3.436134507
724565.1	3949195	31432	05/12/2011	113749	cpm	-2.129060857

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

						Estimated Ra-226 concentration pCi/g)
X	Y	RESULTS	DATE	TIME	UNITS	$y = 1579.1x + 34794$
724566	3949196	30478	05/12/2011	113750	cpm	-2.733202457
724566.9	3949197	30779	05/12/2011	113751	cpm	-2.54258755
724568	3949198	31305	05/12/2011	113752	cpm	-2.209486416
724569.1	3949198	29696	05/12/2011	113753	cpm	-3.228421253
724570.3	3949199	27734	05/12/2011	113754	cpm	-4.470901146
724571.6	3949199	27423	05/12/2011	113755	cpm	-4.667848775
724572.8	3949200	29295	05/12/2011	113756	cpm	-3.482363372
724573.8	3949200	29433	05/12/2011	113757	cpm	-3.394971819
724574.8	3949201	29258	05/12/2011	113758	cpm	-3.50579444
724575.8	3949202	26364	05/12/2011	113759	cpm	-5.338483947
724576.3	3949203	27290	05/12/2011	113800	cpm	-4.752073966
724576.4	3949206	29320	05/12/2011	113802	cpm	-3.466531569
724576.2	3949208	29387	05/12/2011	113804	cpm	-3.424102337
724576.2	3949211	33314	05/12/2011	113806	cpm	-0.937242733
724576.3	3949213	28602	05/12/2011	113808	cpm	-3.921220949
724575.8	3949215	28720	05/12/2011	113809	cpm	-3.846494839
724575.4	3949216	29740	05/12/2011	113810	cpm	-3.200557279
724575.1	3949217	32935	05/12/2011	113811	cpm	-1.177252866
724574.9	3949218	33193	05/12/2011	113812	cpm	-1.013868659
724574.7	3949220	35208	05/12/2011	113813	cpm	0.262174656
724574.5	3949221	33552	05/12/2011	113814	cpm	-0.786523969
724574.4	3949222	35148	05/12/2011	113815	cpm	0.224178329
724574.5	3949224	37227	05/12/2011	113816	cpm	1.540751061
724574.3	3949225	37776	05/12/2011	113817	cpm	1.888417453
724573.5	3949227	38604	05/12/2011	113819	cpm	2.412766766
724573	3949228	46671	05/12/2011	113820	cpm	7.521372934
724572.4	3949230	44427	05/12/2011	113821	cpm	6.100310303
724571.7	3949231	36187	05/12/2011	113822	cpm	0.882148059
724570.7	3949231	33736	05/12/2011	113823	cpm	-0.6700019
724569.5	3949232	35344	05/12/2011	113824	cpm	0.348299664
724568.4	3949232	33916	05/12/2011	113825	cpm	-0.556012919
724567.2	3949232	36109	05/12/2011	113826	cpm	0.832752834
724566.1	3949232	35127	05/12/2011	113827	cpm	0.210879615
724565.2	3949232	35782	05/12/2011	113828	cpm	0.625672852
724563.9	3949232	35645	05/12/2011	113829	cpm	0.538914572
724562.6	3949232	32851	05/12/2011	113830	cpm	-1.230447723
724561.3	3949233	32842	05/12/2011	113831	cpm	-1.236147172
724560.1	3949233	32540	05/12/2011	113832	cpm	-1.427395352
724558.8	3949233	33785	05/12/2011	113833	cpm	-0.638971566
724557.4	3949233	31006	05/12/2011	113834	cpm	-2.398834779
724556.1	3949233	33431	05/12/2011	113835	cpm	-0.863149896
724554.7	3949233	34068	05/12/2011	113836	cpm	-0.459755557

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724553.3	3949233	32067	05/12/2011	113837	cpm	-1.726933063
724552	3949233	32766	05/12/2011	113838	cpm	-1.284275853
724550.7	3949233	33121	05/12/2011	113839	cpm	-1.059464252
724549.4	3949234	32640	05/12/2011	113840	cpm	-1.36406814
724548	3949234	36150	05/12/2011	113841	cpm	0.858716991
724546.7	3949233	35617	05/12/2011	113842	cpm	0.521182952
724545.4	3949233	35034	05/12/2011	113843	cpm	0.151985308
724544.2	3949233	33478	05/12/2011	113844	cpm	-0.833386106
724543	3949233	33809	05/12/2011	113845	cpm	-0.623773035
724541.8	3949233	35512	05/12/2011	113846	cpm	0.45468938
724540.4	3949233	32758	05/12/2011	113847	cpm	-1.28934203
724539.2	3949233	34169	05/12/2011	113848	cpm	-0.395795073
724538	3949233	41092	05/12/2011	113849	cpm	3.988347793
724536.8	3949233	34483	05/12/2011	113850	cpm	-0.196947628
724535.6	3949233	33850	05/12/2011	113851	cpm	-0.597808878
724534.5	3949233	35312	05/12/2011	113852	cpm	0.328034957
724533.3	3949233	31568	05/12/2011	113853	cpm	-2.04293585
724532.2	3949233	36272	05/12/2011	113854	cpm	0.935976189
724531	3949233	34898	05/12/2011	113855	cpm	0.0658603
724529.8	3949233	32814	05/12/2011	113856	cpm	-1.253878792
724528.6	3949233	34753	05/12/2011	113857	cpm	-0.025964157
724527.5	3949234	35538	05/12/2011	113858	cpm	0.471154455
724526.7	3949234	33574	05/12/2011	113859	cpm	-0.772591983
724525.8	3949235	38603	05/12/2011	113900	cpm	2.412133494
724524.6	3949235	35181	05/12/2011	113901	cpm	0.245076309
724523.4	3949235	36425	05/12/2011	113902	cpm	1.032866823
724522.1	3949235	36916	05/12/2011	113903	cpm	1.343803432
724520.8	3949235	37819	05/12/2011	113904	cpm	1.915648154
724519.5	3949235	34804	05/12/2011	113905	cpm	0.006332721
724518.2	3949235	36751	05/12/2011	113906	cpm	1.239313533
724515.5	3949236	36630	05/12/2011	113908	cpm	1.162687607
724513.1	3949236	36872	05/12/2011	113910	cpm	1.315939459
724510.6	3949236	37172	05/12/2011	113912	cpm	1.505921094
724508.1	3949237	39455	05/12/2011	113914	cpm	2.951681337
724505.8	3949236	38811	05/12/2011	113916	cpm	2.543854094
724503.6	3949236	39576	05/12/2011	113918	cpm	3.028307264
724502.5	3949236	37887	05/12/2011	113919	cpm	1.958710658
724501.5	3949236	45171	05/12/2011	113920	cpm	6.571464758
724500.4	3949236	48193	05/12/2011	113921	cpm	8.485213096
724499.3	3949236	48678	05/12/2011	113922	cpm	8.792350073
724498.2	3949236	57469	05/12/2011	113923	cpm	14.35944525
724497.1	3949236	60957	05/12/2011	113924	cpm	16.5682984



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

						Estimated Ra-226 concentration pCi/g)
X	Y	RESULTS	DATE	TIME	UNITS	$y = 1579.1x + 34794$
724496	3949236	48629	05/12/2011	113925	cpm	8.761319739
724495.1	3949236	44377	05/12/2011	113926	cpm	6.068646697
724493.1	3949236	38424	05/12/2011	113928	cpm	2.298777785
724492	3949236	39276	05/12/2011	113929	cpm	2.838325629
724490.9	3949236	41829	05/12/2011	113930	cpm	4.455069343
724489.8	3949236	41927	05/12/2011	113931	cpm	4.517130011
724488.7	3949235	40481	05/12/2011	113932	cpm	3.60141853
724487.5	3949235	53290	05/12/2011	113933	cpm	11.71300108
724486.3	3949235	75422	05/12/2011	113934	cpm	25.72857957
724485.2	3949236	67695	05/12/2011	113935	cpm	20.83528592
724484.4	3949236	49593	05/12/2011	113936	cpm	9.37179406
724484.2	3949235	47948	05/12/2011	113937	cpm	8.330061427
724483.6	3949236	47117	05/12/2011	113938	cpm	7.803812298
724483.1	3949236	44239	05/12/2011	113939	cpm	5.981255145
724482.6	3949236	43939	05/12/2011	113940	cpm	5.79127351
724481.8	3949236	49865	05/12/2011	113941	cpm	9.544044076
724480.8	3949236	44326	05/12/2011	113942	cpm	6.03634982
724479.6	3949236	49361	05/12/2011	113943	cpm	9.224874929
724478.4	3949237	47470	05/12/2011	113944	cpm	8.027357355
724477.4	3949237	45017	05/12/2011	113945	cpm	6.473940852
724476.3	3949237	42184	05/12/2011	113946	cpm	4.679880945
724475.2	3949237	42406	05/12/2011	113947	cpm	4.820467355
724474.2	3949237	45671	05/12/2011	113948	cpm	6.888100817
724473.2	3949238	43788	05/12/2011	113949	cpm	5.695649421
724472.1	3949237	44247	05/12/2011	113950	cpm	5.986321322
724471	3949237	47301	05/12/2011	113951	cpm	7.920334368
724470	3949237	50975	05/12/2011	113952	cpm	10.24697613
724469.2	3949237	52943	05/12/2011	113953	cpm	11.49325565
724468.9	3949238	49296	05/12/2011	113954	cpm	9.183712241
724468.7	3949238	44124	05/12/2011	113955	cpm	5.908428852
724468.6	3949238	45141	05/12/2011	113956	cpm	6.552466595
724468.6	3949238	46955	05/12/2011	113957	cpm	7.701222215
724468.6	3949237	43898	05/12/2011	113958	cpm	5.765309353
724468.7	3949236	47244	05/12/2011	113959	cpm	7.884237857
724468.6	3949235	48381	05/12/2011	114000	cpm	8.604268254
724468.5	3949233	46955	05/12/2011	114001	cpm	7.701222215
724468.5	3949232	42638	05/12/2011	114002	cpm	4.967386486
724468.5	3949231	39609	05/12/2011	114003	cpm	3.049205243
724468.5	3949230	39542	05/12/2011	114004	cpm	3.006776012
724468.4	3949229	39735	05/12/2011	114005	cpm	3.12899753
724468.3	3949227	44221	05/12/2011	114006	cpm	5.969856247
724467.9	3949225	43451	05/12/2011	114008	cpm	5.482236717

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
724467.4	3949223	41708	05/12/2011	114010	cpm	4.378443417
724467.2	3949221	41029	05/12/2011	114012	cpm	3.94845165
724467	3949218	41654	05/12/2011	114014	cpm	4.344246723
724466.4	3949216	49133	05/12/2011	114016	cpm	9.080488886
724466.1	3949215	44563	05/12/2011	114017	cpm	6.186435311
724465.8	3949214	43631	05/12/2011	114018	cpm	5.596225698
724465.5	3949213	40607	05/12/2011	114019	cpm	3.681210816
724465.5	3949213	40151	05/12/2011	114020	cpm	3.392438731
724465.5	3949213	38838	05/12/2011	114021	cpm	2.560952441
724465.6	3949212	39709	05/12/2011	114022	cpm	3.112532455
724465.4	3949211	37137	05/12/2011	114023	cpm	1.48375657
724465.3	3949210	40124	05/12/2011	114024	cpm	3.375340384
724464.9	3949208	34781	05/12/2011	114026	cpm	-0.008232538
724464.6	3949207	37075	05/12/2011	114027	cpm	1.444493699
724464.6	3949206	36568	05/12/2011	114028	cpm	1.123424736
724464.5	3949205	34792	05/12/2011	114029	cpm	-0.001266544
724464.2	3949204	33418	05/12/2011	114030	cpm	-0.871382433
724464	3949203	30794	05/12/2011	114031	cpm	-2.533088468
724463.9	3949202	31278	05/12/2011	114032	cpm	-2.226584763
724463.6	3949201	32899	05/12/2011	114033	cpm	-1.200050662
724463.2	3949200	33484	05/12/2011	114034	cpm	-0.829586473
724462.6	3949199	29671	05/12/2011	114035	cpm	-3.244253056
724462.2	3949198	30457	05/12/2011	114036	cpm	-2.746501172
724462.3	3949197	30624	05/12/2011	114037	cpm	-2.640744728
724462.4	3949196	34806	05/12/2011	114038	cpm	0.007599265
724462.3	3949195	30481	05/12/2011	114039	cpm	-2.731302641
724462.4	3949195	28140	05/12/2011	114040	cpm	-4.213792667
724462.3	3949194	30675	05/12/2011	114041	cpm	-2.60844785
724462.4	3949193	31428	05/12/2011	114042	cpm	-2.131593946
724462.6	3949193	31227	05/12/2011	114043	cpm	-2.258881641
724463.3	3949192	31477	05/12/2011	114044	cpm	-2.100563612
724464.2	3949192	30579	05/12/2011	114045	cpm	-2.669241973
724465.2	3949193	30774	05/12/2011	114046	cpm	-2.54575391
724466.1	3949193	34513	05/12/2011	114047	cpm	-0.177949465
724467	3949193	31248	05/12/2011	114048	cpm	-2.245582927
724468	3949194	30402	05/12/2011	114049	cpm	-2.781331138
724469.1	3949194	30790	05/12/2011	114050	cpm	-2.535621557
724470.3	3949194	27947	05/12/2011	114051	cpm	-4.336014185
724471.3	3949194	29966	05/12/2011	114052	cpm	-3.057437781
724472.5	3949195	29931	05/12/2011	114053	cpm	-3.079602305
724473.7	3949195	34933	05/12/2011	114054	cpm	0.088024824
724474.7	3949195	31383	05/12/2011	114055	cpm	-2.160091191

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724475.9	3949195	31455	05/12/2011	114056	cpm	-2.114495599
724477.1	3949196	30963	05/12/2011	114057	cpm	-2.42606548
724478.3	3949196	31471	05/12/2011	114058	cpm	-2.104363245
724479.5	3949196	31387	05/12/2011	114059	cpm	-2.157558103
724480.7	3949196	31847	05/12/2011	114100	cpm	-1.866252929
724481.9	3949197	29831	05/12/2011	114101	cpm	-3.142929517
724483.1	3949197	29997	05/12/2011	114102	cpm	-3.037806345
724485.4	3949197	28717	05/12/2011	114104	cpm	-3.848394655
724487.6	3949198	28959	05/12/2011	114106	cpm	-3.695142803
724488.3	3949198	29605	05/12/2011	114108	cpm	-3.286049015
724488.2	3949198	31017	05/12/2011	114110	cpm	-2.391868786
724489.4	3949198	32801	05/12/2011	114112	cpm	-1.262111329
724490.6	3949198	29140	05/12/2011	114113	cpm	-3.58052055
724491.6	3949199	33265	05/12/2011	114114	cpm	-0.968273067
724492.8	3949199	29646	05/12/2011	114115	cpm	-3.260084858
724493.9	3949200	34081	05/12/2011	114116	cpm	-0.451523019
724495	3949200	30930	05/12/2011	114117	cpm	-2.44696346
724496.3	3949201	32602	05/12/2011	114118	cpm	-1.388132481
724497.5	3949201	34790	05/12/2011	114119	cpm	-0.002533088
724498.8	3949201	34137	05/12/2011	114120	cpm	-0.416059781
724501.3	3949202	32864	05/12/2011	114122	cpm	-1.222215186
724502.6	3949202	34046	05/12/2011	114123	cpm	-0.473687544
724503.9	3949202	32781	05/12/2011	114124	cpm	-1.274776772
724505.3	3949203	39215	05/12/2011	114125	cpm	2.799696029
724506.6	3949203	35513	05/12/2011	114126	cpm	0.455322652
724507.8	3949203	33688	05/12/2011	114127	cpm	-0.700398961
724509.1	3949203	37522	05/12/2011	114128	cpm	1.727566335
724510.3	3949204	37250	05/12/2011	114129	cpm	1.555316319
724511.5	3949204	36912	05/12/2011	114130	cpm	1.341270344
724512.7	3949204	37728	05/12/2011	114131	cpm	1.858020391
724513.9	3949205	38622	05/12/2011	114132	cpm	2.424165664
724515.1	3949205	39265	05/12/2011	114133	cpm	2.831359635
724516.4	3949205	36966	05/12/2011	114134	cpm	1.375467038
724517.6	3949206	40951	05/12/2011	114135	cpm	3.899056425
724518.9	3949206	40657	05/12/2011	114136	cpm	3.712874422
724520.2	3949206	44544	05/12/2011	114137	cpm	6.174403141
724521.4	3949207	44196	05/12/2011	114138	cpm	5.954024444
724522.6	3949207	44949	05/12/2011	114139	cpm	6.430878348
724523.3	3949207	39467	05/12/2011	114140	cpm	2.959280603
724523.6	3949207	40586	05/12/2011	114141	cpm	3.667912102
724523.5	3949207	40236	05/12/2011	114142	cpm	3.446266861
724523.5	3949207	37038	05/12/2011	114143	cpm	1.421062631

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724523.5	3949207	39894	05/12/2011	114144	cpm	3.229687797
724523.5	3949207	39643	05/12/2011	114145	cpm	3.070736495
724523.5	3949207	41261	05/12/2011	114146	cpm	4.095370781
724523.5	3949207	40375	05/12/2011	114147	cpm	3.534291685
724523.5	3949207	42523	05/12/2011	114148	cpm	4.894560193
724523.5	3949207	41051	05/12/2011	114149	cpm	3.962383636
724523.5	3949207	43592	05/12/2011	114150	cpm	5.571528086
724523.5	3949207	40508	05/12/2011	114151	cpm	3.618516877
724523.4	3949207	40217	05/12/2011	114152	cpm	3.434234691
724524.3	3949207	41344	05/12/2011	114153	cpm	4.147932367
724525.3	3949208	39946	05/12/2011	114154	cpm	3.262617947
724526.6	3949208	44096	05/12/2011	114155	cpm	5.890697233
724527.8	3949208	45551	05/12/2011	114156	cpm	6.812108163
724530.2	3949209	41839	05/12/2011	114158	cpm	4.461402064
724532.4	3949210	37805	05/12/2011	114200	cpm	1.906782344
724534.9	3949211	37567	05/12/2011	114202	cpm	1.756063581
724536.1	3949211	37922	05/12/2011	114203	cpm	1.980875182
724537.4	3949211	37170	05/12/2011	114204	cpm	1.50465455
724538.6	3949211	35842	05/12/2011	114205	cpm	0.663669179
724539.9	3949212	34760	05/12/2011	114206	cpm	-0.021531252
724541.1	3949212	36260	05/12/2011	114207	cpm	0.928376924
724542.3	3949212	34595	05/12/2011	114208	cpm	-0.126021151
724543.5	3949212	33548	05/12/2011	114209	cpm	-0.789057058
724546	3949213	31997	05/12/2011	114211	cpm	-1.771262111
724547.1	3949213	34399	05/12/2011	114212	cpm	-0.250142486
724548.3	3949214	34489	05/12/2011	114213	cpm	-0.193147996
724549.4	3949214	36042	05/12/2011	114214	cpm	0.790323602
724550.6	3949214	29350	05/12/2011	114215	cpm	-3.447533405
724551.7	3949215	34307	05/12/2011	114216	cpm	-0.308403521
724552.6	3949215	34466	05/12/2011	114217	cpm	-0.207713254
724552.8	3949215	34506	05/12/2011	114218	cpm	-0.18238237
724552.8	3949215	33466	05/12/2011	114219	cpm	-0.840985371
724552.7	3949215	36716	05/12/2011	114220	cpm	1.217149009
724552.8	3949215	32009	05/12/2011	114221	cpm	-1.763662846
724553	3949215	30892	05/12/2011	114222	cpm	-2.471027801
724553.6	3949215	32023	05/12/2011	114223	cpm	-1.754797036
724553.7	3949215	31525	05/12/2011	114224	cpm	-2.070166551
724553.7	3949215	32781	05/12/2011	114225	cpm	-1.274776772
724553.7	3949215	32495	05/12/2011	114226	cpm	-1.455892597
724554	3949215	33293	05/12/2011	114227	cpm	-0.950541448
724555	3949216	34243	05/12/2011	114228	cpm	-0.348932936
724556.1	3949216	36461	05/12/2011	114229	cpm	1.055664619

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724557.3	3949216	34705	05/12/2011	114230	cpm	-0.056361218
724558.4	3949217	34086	05/12/2011	114231	cpm	-0.448356659
724559.6	3949217	33121	05/12/2011	114232	cpm	-1.059464252
724560.7	3949218	35160	05/12/2011	114233	cpm	0.231777595
724561.6	3949218	36480	05/12/2011	114234	cpm	1.067696789
724562.2	3949218	32220	05/12/2011	114235	cpm	-1.630042429
724562.6	3949218	34815	05/12/2011	114236	cpm	0.013298714
724562.6	3949218	37113	05/12/2011	114237	cpm	1.468558039
724562.5	3949218	33698	05/12/2011	114238	cpm	-0.69406624
724562.4	3949218	35364	05/12/2011	114239	cpm	0.360965107
724562.5	3949218	36321	05/12/2011	114240	cpm	0.967006523
724562.3	3949219	32313	05/12/2011	114242	cpm	-1.571148122
724562.1	3949219	34074	05/12/2011	114244	cpm	-0.455955924
724561.8	3949219	34507	05/12/2011	114246	cpm	-0.181749098
724561.9	3949219	33416	05/12/2011	114248	cpm	-0.872648977
724561.9	3949219	32924	05/12/2011	114249	cpm	-1.184218859
724561.9	3949219	34822	05/12/2011	114250	cpm	0.017731619
724561.9	3949219	35567	05/12/2011	114251	cpm	0.489519346
724561.9	3949219	34241	05/12/2011	114252	cpm	-0.350199481
724561.9	3949219	34300	05/12/2011	114253	cpm	-0.312836426
724561.9	3949219	33985	05/12/2011	114254	cpm	-0.512317143
724561.9	3949219	32976	05/12/2011	114255	cpm	-1.151288709
724561.9	3949219	35094	05/12/2011	114256	cpm	0.189981635
724562.1	3949219	38143	05/12/2011	114258	cpm	2.12082832
724562	3949219	34316	05/12/2011	114259	cpm	-0.302704072
724562	3949219	34619	05/12/2011	114300	cpm	-0.11082262
724562	3949219	33974	05/12/2011	114301	cpm	-0.519283136
724561.9	3949219	34743	05/12/2011	114302	cpm	-0.032296878
724561.9	3949219	35355	05/12/2011	114303	cpm	0.355265658
724562	3949219	34098	05/12/2011	114304	cpm	-0.440757393
724562	3949219	36124	05/12/2011	114305	cpm	0.842251916
724561.9	3949219	32881	05/12/2011	114306	cpm	-1.21144956
724561.9	3949219	33270	05/12/2011	114307	cpm	-0.965106706
724561.9	3949219	38257	05/12/2011	114308	cpm	2.193021341
724561.9	3949219	35544	05/12/2011	114309	cpm	0.474954088
724561.9	3949219	36066	05/12/2011	114310	cpm	0.805522133
724561.9	3949219	37546	05/12/2011	114311	cpm	1.742764866
724561.9	3949219	36206	05/12/2011	114312	cpm	0.894180229
724561.9	3949219	34641	05/12/2011	114313	cpm	-0.096890634
724561.9	3949219	33110	05/12/2011	114314	cpm	-1.066430245
724561.9	3949219	32427	05/12/2011	114315	cpm	-1.498955101
724561.9	3949219	35227	05/12/2011	114316	cpm	0.274206827

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724561.9	3949219	36676	05/12/2011	114317	cpm	1.191818124
724561.9	3949219	35719	05/12/2011	114318	cpm	0.585776708
724561.9	3949219	33529	05/12/2011	114319	cpm	-0.801089228
724561.9	3949219	38772	05/12/2011	114320	cpm	2.519156482
724561.9	3949219	35853	05/12/2011	114321	cpm	0.670635172
724561.9	3949219	35300	05/12/2011	114322	cpm	0.320435691
724561.9	3949219	33196	05/12/2011	114324	cpm	-1.011968843
724561.9	3949219	34624	05/12/2011	114326	cpm	-0.10765626
724561.6	3949219	36056	05/12/2011	114328	cpm	0.799189412
724561.8	3949219	34694	05/12/2011	114329	cpm	-0.063327212
724561.8	3949219	33483	05/12/2011	114330	cpm	-0.830219745
724561.8	3949219	33300	05/12/2011	114331	cpm	-0.946108543
724561.8	3949219	36015	05/12/2011	114332	cpm	0.773225255
724561.7	3949219	32733	05/12/2011	114333	cpm	-1.305173833
724562	3949219	36113	05/12/2011	114335	cpm	0.835285922
724562	3949219	34228	05/12/2011	114336	cpm	-0.358432018
724562	3949219	33907	05/12/2011	114337	cpm	-0.561712368
724562	3949219	37366	05/12/2011	114338	cpm	1.628775885
724561.9	3949219	37841	05/12/2011	114339	cpm	1.929580141
724561.9	3949219	37420	05/12/2011	114340	cpm	1.662972579
724561.9	3949219	35755	05/12/2011	114341	cpm	0.608574504
724561.9	3949219	34318	05/12/2011	114342	cpm	-0.301437528
724561.9	3949219	33269	05/12/2011	114343	cpm	-0.965739978
724561.9	3949219	35197	05/12/2011	114344	cpm	0.255208663
724561.9	3949219	34719	05/12/2011	114345	cpm	-0.047495409
724561.9	3949219	33369	05/12/2011	114346	cpm	-0.902412767
724561.9	3949219	34052	05/12/2011	114347	cpm	-0.469887911
724561.9	3949219	36683	05/12/2011	114348	cpm	1.196251029
724561.9	3949219	31970	05/12/2011	114349	cpm	-1.788360458
724561.9	3949219	37512	05/12/2011	114350	cpm	1.721233614
724561.9	3949219	39498	05/12/2011	114351	cpm	2.978912039
724561.9	3949219	34984	05/12/2011	114352	cpm	0.120321702
724561.9	3949219	35746	05/12/2011	114353	cpm	0.602875055
724561.9	3949219	34316	05/12/2011	114354	cpm	-0.302704072
724562.1	3949219	38279	05/12/2011	114355	cpm	2.206953328
724562.1	3949219	38730	05/12/2011	114356	cpm	2.492559053
724562.1	3949219	36592	05/12/2011	114357	cpm	1.138623266
724562.1	3949219	33598	05/12/2011	114358	cpm	-0.757393452
724562	3949219	33989	05/12/2011	114359	cpm	-0.509784054
724562.1	3949219	35887	05/12/2011	114400	cpm	0.692166424
724562	3949219	33511	05/12/2011	114401	cpm	-0.812488126
724562	3949219	35227	05/12/2011	114402	cpm	0.274206827

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

						Estimated Ra-226 concentration pCi/g)
X	Y	RESULTS	DATE	TIME	UNITS	$y = 1579.1x + 34794$
724562	3949219	36797	05/12/2011	114403	cpm	1.26844405
724562	3949219	35539	05/12/2011	114404	cpm	0.471787727
724562	3949219	33394	05/12/2011	114405	cpm	-0.886580964
724562	3949219	36008	05/12/2011	114406	cpm	0.76879235
724562.1	3949219	36362	05/12/2011	114407	cpm	0.99297068
724562.1	3949219	38280	05/12/2011	114408	cpm	2.2075866
724562	3949219	34140	05/12/2011	114409	cpm	-0.414159965
724562.1	3949219	32396	05/12/2011	114410	cpm	-1.518586537
724562.3	3949219	35992	05/12/2011	114412	cpm	0.758659996
724562.2	3949219	35617	05/12/2011	114414	cpm	0.521182952
724562.2	3949219	33006	05/12/2011	114416	cpm	-1.132290545
724562.2	3949219	32707	05/12/2011	114418	cpm	-1.321638908
724562.2	3949219	33889	05/12/2011	114420	cpm	-0.573111266
724562.2	3949219	37722	05/12/2011	114421	cpm	1.854220759
724562.2	3949219	34300	05/12/2011	114422	cpm	-0.312836426
724562.1	3949219	34435	05/12/2011	114423	cpm	-0.22734469
724562.2	3949219	34738	05/12/2011	114424	cpm	-0.035463239
724562.2	3949219	36584	05/12/2011	114425	cpm	1.133557089
724562.2	3949219	32246	05/12/2011	114426	cpm	-1.613577354
724562.2	3949219	33831	05/12/2011	114427	cpm	-0.609841049
724562.2	3949219	35097	05/12/2011	114428	cpm	0.191881451
724562.2	3949219	38804	05/12/2011	114429	cpm	2.539421189
724562.2	3949219	33221	05/12/2011	114431	cpm	-0.99613704
724562.2	3949219	34765	05/12/2011	114432	cpm	-0.018364891
724562.2	3949219	32361	05/12/2011	114433	cpm	-1.540751061
724562.2	3949219	34340	05/12/2011	114434	cpm	-0.287505541
724562.2	3949219	34655	05/12/2011	114435	cpm	-0.088024824
724562.1	3949219	36473	05/12/2011	114436	cpm	1.063263884
724562	3949219	37018	05/12/2011	114437	cpm	1.408397188
724562.1	3949219	31814	05/12/2011	114438	cpm	-1.887150909
724562.2	3949219	33753	05/12/2011	114439	cpm	-0.659236274
724562.2	3949219	36608	05/12/2011	114440	cpm	1.14875562
724562.2	3949219	36812	05/12/2011	114441	cpm	1.277943132
724562.2	3949219	35513	05/12/2011	114442	cpm	0.455322652
724562.2	3949219	37618	05/12/2011	114443	cpm	1.788360458
724562.2	3949219	35264	05/12/2011	114444	cpm	0.297637895
724562.2	3949219	32546	05/12/2011	114445	cpm	-1.423595719
724562.2	3949219	33516	05/12/2011	114446	cpm	-0.809321766
724562.2	3949219	36258	05/12/2011	114447	cpm	0.927110379
724562.2	3949219	34172	05/12/2011	114448	cpm	-0.393895257
724562.2	3949219	34523	05/12/2011	114449	cpm	-0.171616744
724562.2	3949219	37340	05/12/2011	114450	cpm	1.61231081

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724562.2	3949219	35915	05/12/2011	114451	cpm	0.709898043
724562.2	3949219	37928	05/12/2011	114452	cpm	1.984674815
724562.1	3949219	34592	05/12/2011	114453	cpm	-0.127920968
724562	3949219	32168	05/12/2011	114454	cpm	-1.662972579
724562.3	3949219	32312	05/12/2011	114455	cpm	-1.571781394
724562.3	3949219	35228	05/12/2011	114456	cpm	0.274840099
724562	3949219	35807	05/12/2011	114457	cpm	0.641504655
724561.9	3949219	36911	05/12/2011	114458	cpm	1.340637072
724562.1	3949220	38718	05/12/2011	114459	cpm	2.484959787
724562.2	3949220	34159	05/12/2011	114500	cpm	-0.402127794
724562.2	3949220	34579	05/12/2011	114501	cpm	-0.136153505
724562.1	3949220	35675	05/12/2011	114502	cpm	0.557912735
724562.1	3949220	33518	05/12/2011	114503	cpm	-0.808055221
724562.1	3949220	34817	05/12/2011	114504	cpm	0.014565259
724562.1	3949220	35798	05/12/2011	114506	cpm	0.635805205
724562.3	3949220	34390	05/12/2011	114508	cpm	-0.255841935
724562.3	3949220	34654	05/12/2011	114510	cpm	-0.088658096
724562.2	3949220	34333	05/12/2011	114512	cpm	-0.291938446
724562.3	3949220	36813	05/12/2011	114513	cpm	1.278576404
724562.3	3949220	34643	05/12/2011	114514	cpm	-0.09562409
724562.3	3949220	33530	05/12/2011	114515	cpm	-0.800455956
724562.3	3949220	34392	05/12/2011	114516	cpm	-0.254575391
724562.3	3949220	33948	05/12/2011	114517	cpm	-0.535748211
724562.2	3949220	38247	05/12/2011	114518	cpm	2.18668862
724562.2	3949220	34161	05/12/2011	114519	cpm	-0.40086125
724562.2	3949220	32690	05/12/2011	114521	cpm	-1.332404534
724562.2	3949220	33102	05/12/2011	114522	cpm	-1.071496422
724562.2	3949220	33685	05/12/2011	114523	cpm	-0.702298778
724562	3949220	34191	05/12/2011	114524	cpm	-0.381863087
724562.1	3949220	34047	05/12/2011	114525	cpm	-0.473054271
724562.5	3949220	35032	05/12/2011	114526	cpm	0.150718764
724562.3	3949219	36718	05/12/2011	114527	cpm	1.218415553
724562	3949219	34739	05/12/2011	114528	cpm	-0.034829966
724561.7	3949219	32955	05/12/2011	114529	cpm	-1.164587423
724561.7	3949218	34098	05/12/2011	114530	cpm	-0.440757393
724561.2	3949218	35554	05/12/2011	114531	cpm	0.481286809
724560.1	3949218	37028	05/12/2011	114532	cpm	1.414729909
724559.1	3949217	33947	05/12/2011	114533	cpm	-0.536381483
724558.5	3949217	32726	05/12/2011	114534	cpm	-1.309606738
724558.1	3949217	30561	05/12/2011	114535	cpm	-2.680640871
724558.4	3949216	36080	05/12/2011	114536	cpm	0.814387942
724558.4	3949216	32840	05/12/2011	114537	cpm	-1.237413717



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724558.4	3949216	37550	05/12/2011	114538	cpm	1.745297955
724558.5	3949216	36775	05/12/2011	114539	cpm	1.254512064
724558.5	3949216	36202	05/12/2011	114540	cpm	0.891647141
724558.4	3949216	30830	05/12/2011	114541	cpm	-2.510290672
724558.4	3949216	36087	05/12/2011	114542	cpm	0.818820847
724558.4	3949216	35242	05/12/2011	114543	cpm	0.283705908
724558.4	3949216	34490	05/12/2011	114544	cpm	-0.192514724
724558.3	3949216	32502	05/12/2011	114545	cpm	-1.451459692
724558.3	3949216	35425	05/12/2011	114546	cpm	0.399594706
724558	3949216	35976	05/12/2011	114547	cpm	0.748527642
724557	3949216	36714	05/12/2011	114548	cpm	1.215882465
724555.8	3949216	35308	05/12/2011	114549	cpm	0.325501868
724554.6	3949215	33819	05/12/2011	114550	cpm	-0.617440314
724552.1	3949215	35301	05/12/2011	114552	cpm	0.321068963
724549.5	3949214	33833	05/12/2011	114554	cpm	-0.608574504
724548.3	3949214	35848	05/12/2011	114555	cpm	0.667468811
724547	3949213	33322	05/12/2011	114556	cpm	-0.932176556
724545.6	3949213	33590	05/12/2011	114557	cpm	-0.762459629
724544.3	3949213	38097	05/12/2011	114558	cpm	2.091697803
724542.9	3949213	39554	05/12/2011	114559	cpm	3.014375277
724541.5	3949213	39888	05/12/2011	114600	cpm	3.225888164
724540.3	3949213	40272	05/12/2011	114601	cpm	3.469064657
724537.7	3949212	39678	05/12/2011	114603	cpm	3.09290102
724536.4	3949212	42739	05/12/2011	114604	cpm	5.03134697
724535.1	3949211	38824	05/12/2011	114605	cpm	2.552086632
724533.8	3949211	40756	05/12/2011	114606	cpm	3.775568362
724532.4	3949210	39409	05/12/2011	114607	cpm	2.92255082
724531.2	3949210	40812	05/12/2011	114608	cpm	3.8110316
724529.9	3949209	42753	05/12/2011	114609	cpm	5.040212779
724528.6	3949209	41048	05/12/2011	114610	cpm	3.96048382
724527.4	3949209	38702	05/12/2011	114611	cpm	2.474827433
724526.2	3949208	41985	05/12/2011	114612	cpm	4.553859794
724525.2	3949208	38366	05/12/2011	114613	cpm	2.262048002
724524.1	3949207	38721	05/12/2011	114614	cpm	2.486859604
724522.9	3949207	40280	05/12/2011	114615	cpm	3.474130834
724521.6	3949207	43670	05/12/2011	114616	cpm	5.620923311
724520.3	3949206	48927	05/12/2011	114617	cpm	8.95003483
724518.9	3949206	49282	05/12/2011	114618	cpm	9.174846432
724517.6	3949206	46850	05/12/2011	114619	cpm	7.634728643
724516.4	3949206	45192	05/12/2011	114620	cpm	6.584763473
724515.1	3949205	42408	05/12/2011	114621	cpm	4.821733899
724513.7	3949205	45642	05/12/2011	114622	cpm	6.869735926

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724512.4	3949205	47620	05/12/2011	114623	cpm	8.122348173
724510.9	3949204	44998	05/12/2011	114624	cpm	6.461908682
724508.3	3949204	39337	05/12/2011	114626	cpm	2.876955228
724505.8	3949203	36981	05/12/2011	114628	cpm	1.38496612
724503.4	3949202	40426	05/12/2011	114630	cpm	3.566588563
724502.2	3949202	40796	05/12/2011	114631	cpm	3.800899246
724501.3	3949201	37559	05/12/2011	114632	cpm	1.750997404
724500.7	3949201	37650	05/12/2011	114633	cpm	1.808625166
724499.6	3949201	35602	05/12/2011	114634	cpm	0.511683871
724498.4	3949200	35240	05/12/2011	114635	cpm	0.282439364
724497.1	3949200	34790	05/12/2011	114636	cpm	-0.002533088
724495.9	3949200	34827	05/12/2011	114637	cpm	0.02089798
724493.6	3949199	34147	05/12/2011	114639	cpm	-0.40972706
724492.3	3949199	30286	05/12/2011	114640	cpm	-2.854790704
724491.2	3949198	34691	05/12/2011	114641	cpm	-0.065227028
724489.9	3949198	29313	05/12/2011	114642	cpm	-3.470964473
724488.6	3949198	31898	05/12/2011	114643	cpm	-1.833956051
724487.4	3949197	32004	05/12/2011	114644	cpm	-1.766829207
724486.2	3949197	31221	05/12/2011	114645	cpm	-2.262681274
724484.9	3949197	31145	05/12/2011	114646	cpm	-2.310809955
724483.6	3949197	29686	05/12/2011	114647	cpm	-3.234753974
724482.4	3949196	29681	05/12/2011	114648	cpm	-3.237920334
724481.1	3949196	33220	05/12/2011	114649	cpm	-0.996770312
724479.8	3949196	33955	05/12/2011	114650	cpm	-0.531315306
724478.5	3949196	34888	05/12/2011	114651	cpm	0.059527579
724477.2	3949195	35272	05/12/2011	114652	cpm	0.302704072
724475.9	3949195	32548	05/12/2011	114653	cpm	-1.422329175
724474.7	3949195	29017	05/12/2011	114654	cpm	-3.65841302
724473.5	3949195	36204	05/12/2011	114655	cpm	0.892913685
724472.3	3949194	32361	05/12/2011	114656	cpm	-1.540751061
724470.9	3949194	29630	05/12/2011	114657	cpm	-3.270217212
724469.6	3949194	31947	05/12/2011	114658	cpm	-1.802925717
724468.4	3949193	29497	05/12/2011	114659	cpm	-3.354442404
724467.1	3949193	33054	05/12/2011	114700	cpm	-1.101893484
724465.9	3949193	31213	05/12/2011	114701	cpm	-2.267747451
724464.6	3949192	29043	05/12/2011	114702	cpm	-3.641947945
724463.4	3949192	31830	05/12/2011	114703	cpm	-1.877018555
724462.3	3949192	29107	05/12/2011	114704	cpm	-3.60141853
724461.3	3949192	30857	05/12/2011	114705	cpm	-2.493192325
724461	3949193	30604	05/12/2011	114706	cpm	-2.65341017
724461.1	3949194	30931	05/12/2011	114707	cpm	-2.446330188
724461.3	3949196	31511	05/12/2011	114708	cpm	-2.07903236

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724461.6	3949198	30613	05/12/2011	114710	cpm	-2.647710721
724462.7	3949200	29288	05/12/2011	114712	cpm	-3.486796276
724464.9	3949201	32168	05/12/2011	114714	cpm	-1.662972579
724466.1	3949201	31622	05/12/2011	114715	cpm	-2.008739155
724466.2	3949201	30405	05/12/2011	114716	cpm	-2.779431322
724466.2	3949201	30341	05/12/2011	114717	cpm	-2.819960737
724466.6	3949201	31465	05/12/2011	114718	cpm	-2.108162878
724467.6	3949202	36066	05/12/2011	114719	cpm	0.805522133
724468.7	3949202	35806	05/12/2011	114720	cpm	0.640871382
724470	3949202	34781	05/12/2011	114721	cpm	-0.008232538
724471.4	3949202	32125	05/12/2011	114722	cpm	-1.69020328
724473.8	3949203	35601	05/12/2011	114724	cpm	0.511050598
724475	3949203	32150	05/12/2011	114725	cpm	-1.674371477
724476.2	3949204	37857	05/12/2011	114726	cpm	1.939712494
724477.5	3949204	38294	05/12/2011	114727	cpm	2.21645241
724478.5	3949204	42153	05/12/2011	114728	cpm	4.660249509
724479.7	3949205	40898	05/12/2011	114729	cpm	3.865493002
724480.9	3949205	37674	05/12/2011	114730	cpm	1.823823697
724482.2	3949205	39688	05/12/2011	114731	cpm	3.099233741
724483.4	3949206	38452	05/12/2011	114732	cpm	2.316509404
724484.6	3949206	41623	05/12/2011	114733	cpm	4.324615287
724485.8	3949207	43345	05/12/2011	114734	cpm	5.415109873
724487.1	3949207	40326	05/12/2011	114735	cpm	3.503261351
724488.3	3949208	42211	05/12/2011	114736	cpm	4.696979292
724489.6	3949208	45832	05/12/2011	114737	cpm	6.990057628
724490.9	3949208	44218	05/12/2011	114738	cpm	5.967956431
724492.1	3949209	42464	05/12/2011	114739	cpm	4.857197138
724493.4	3949209	42866	05/12/2011	114740	cpm	5.111772529
724494.6	3949210	42006	05/12/2011	114741	cpm	4.567158508
724495.9	3949210	39931	05/12/2011	114742	cpm	3.253118865
724497.3	3949210	43072	05/12/2011	114743	cpm	5.242226585
724498.5	3949210	41008	05/12/2011	114744	cpm	3.935152935
724499.4	3949211	40102	05/12/2011	114745	cpm	3.361408397
724500.5	3949211	39293	05/12/2011	114746	cpm	2.849091255
724503.1	3949211	36423	05/12/2011	114748	cpm	1.031600279
724505.4	3949212	33723	05/12/2011	114750	cpm	-0.678234437
724506.5	3949212	33481	05/12/2011	114751	cpm	-0.83148629
724507.7	3949213	30600	05/12/2011	114752	cpm	-2.655943259
724509	3949213	31350	05/12/2011	114753	cpm	-2.180989171
724510.2	3949213	29557	05/12/2011	114754	cpm	-3.316446077
724511.4	3949213	28719	05/12/2011	114755	cpm	-3.847128111
724512.6	3949213	26860	05/12/2011	114756	cpm	-5.024380977

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724515.1	3949214	27445	05/12/2011	114758	cpm	-4.653916788
724516.3	3949214	24981	05/12/2011	114759	cpm	-6.214299284
724517.5	3949215	30635	05/12/2011	114800	cpm	-2.633778735
724518.8	3949215	31598	05/12/2011	114801	cpm	-2.023937686
724520	3949215	28479	05/12/2011	114802	cpm	-3.999113419
724521.2	3949216	29650	05/12/2011	114803	cpm	-3.25755177
724522.4	3949216	31862	05/12/2011	114804	cpm	-1.856753847
724523.6	3949217	31365	05/12/2011	114805	cpm	-2.171490089
724524.9	3949217	31721	05/12/2011	114806	cpm	-1.946045216
724526.1	3949218	30800	05/12/2011	114807	cpm	-2.529288835
724527.3	3949218	33955	05/12/2011	114808	cpm	-0.531315306
724528.6	3949219	32338	05/12/2011	114809	cpm	-1.555316319
724529.9	3949219	31244	05/12/2011	114810	cpm	-2.248116015
724531.2	3949219	33521	05/12/2011	114811	cpm	-0.806155405
724532.4	3949219	31420	05/12/2011	114812	cpm	-2.136660123
724533.5	3949220	30235	05/12/2011	114813	cpm	-2.887087582
724534.7	3949220	32098	05/12/2011	114814	cpm	-1.707301628
724536	3949220	29984	05/12/2011	114815	cpm	-3.046038883
724537.2	3949221	35084	05/12/2011	114816	cpm	0.183648914
724539.6	3949221	35095	05/12/2011	114818	cpm	0.190614907
724542.1	3949222	34331	05/12/2011	114820	cpm	-0.29320499
724544.6	3949223	34763	05/12/2011	114822	cpm	-0.019631436
724545.9	3949224	33080	05/12/2011	114823	cpm	-1.085428409
724547.1	3949224	31400	05/12/2011	114824	cpm	-2.149325565
724548.3	3949224	31010	05/12/2011	114825	cpm	-2.396301691
724549.5	3949225	33102	05/12/2011	114826	cpm	-1.071496422
724550.7	3949225	32155	05/12/2011	114827	cpm	-1.671205117
724551.9	3949226	34439	05/12/2011	114828	cpm	-0.224811602
724554.4	3949227	34379	05/12/2011	114830	cpm	-0.262807929
724555.7	3949227	33765	05/12/2011	114831	cpm	-0.651637008
724556.8	3949227	30281	05/12/2011	114832	cpm	-2.857957064
724557.7	3949228	33250	05/12/2011	114833	cpm	-0.977772149
724558.6	3949229	34022	05/12/2011	114834	cpm	-0.488886074
724559.7	3949229	36825	05/12/2011	114835	cpm	1.28617567
724560.9	3949230	32576	05/12/2011	114836	cpm	-1.404597556
724562.1	3949230	36254	05/12/2011	114837	cpm	0.924577291
724563.3	3949231	31563	05/12/2011	114838	cpm	-2.04610221
724564.5	3949232	31410	05/12/2011	114839	cpm	-2.142992844
724565.7	3949232	31462	05/12/2011	114840	cpm	-2.110062694
724566.9	3949233	35015	05/12/2011	114841	cpm	0.139953138
724568	3949233	32304	05/12/2011	114842	cpm	-1.576847571
724569	3949234	34926	05/12/2011	114843	cpm	0.083591919

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724569.4	3949234	33991	05/12/2011	114844	cpm	-0.50851751
724569.5	3949234	31357	05/12/2011	114845	cpm	-2.176556266
724569.3	3949234	33339	05/12/2011	114846	cpm	-0.92141093
724569.4	3949234	32155	05/12/2011	114847	cpm	-1.671205117
724569.4	3949234	33148	05/12/2011	114848	cpm	-1.042365905
724569.9	3949235	36457	05/12/2011	114849	cpm	1.053131531
724570.9	3949235	33744	05/12/2011	114850	cpm	-0.664935723
724572	3949236	35376	05/12/2011	114851	cpm	0.368564372
724573	3949237	34446	05/12/2011	114852	cpm	-0.220378697
724575.1	3949239	31305	05/12/2011	114854	cpm	-2.209486416
724577	3949240	34011	05/12/2011	114856	cpm	-0.495852068
724578.1	3949241	31243	05/12/2011	114857	cpm	-2.248749288
724579.1	3949242	33910	05/12/2011	114858	cpm	-0.559812551
724580	3949242	32327	05/12/2011	114859	cpm	-1.562282313
724580.9	3949243	31811	05/12/2011	114900	cpm	-1.889050725
724581.9	3949243	30933	05/12/2011	114901	cpm	-2.445063644
724582.9	3949244	33713	05/12/2011	114902	cpm	-0.684567159
724584.7	3949245	35938	05/12/2011	114904	cpm	0.724463302
724585.6	3949246	34214	05/12/2011	114905	cpm	-0.367297828
724586.6	3949246	31113	05/12/2011	114906	cpm	-2.331074663
724587.5	3949247	35258	05/12/2011	114907	cpm	0.293838262
724588.5	3949247	36354	05/12/2011	114908	cpm	0.987904503
724589.7	3949248	34558	05/12/2011	114909	cpm	-0.14945222
724590.8	3949249	32729	05/12/2011	114910	cpm	-1.307706922
724591.7	3949249	29932	05/12/2011	114911	cpm	-3.078969033
724592.7	3949250	32593	05/12/2011	114912	cpm	-1.39383193
724593.8	3949251	32238	05/12/2011	114913	cpm	-1.618643531
724594.9	3949251	31399	05/12/2011	114914	cpm	-2.149958837
724595.9	3949252	31969	05/12/2011	114915	cpm	-1.788993731
724596.7	3949253	34272	05/12/2011	114916	cpm	-0.330568045
724597.7	3949253	36168	05/12/2011	114917	cpm	0.870115889
724598.8	3949254	33132	05/12/2011	114918	cpm	-1.052498259
724599.7	3949255	32043	05/12/2011	114919	cpm	-1.742131594
724600.6	3949255	35250	05/12/2011	114920	cpm	0.288772085
724602.8	3949256	30770	05/12/2011	114922	cpm	-2.548286999
724604.6	3949257	30753	05/12/2011	114924	cpm	-2.559052625
724605.3	3949257	30368	05/12/2011	114925	cpm	-2.80286239
724605.5	3949258	30602	05/12/2011	114926	cpm	-2.654676715
724605.6	3949258	29730	05/12/2011	114927	cpm	-3.206890001
724605.1	3949259	30052	05/12/2011	114928	cpm	-3.002976379
724604.4	3949260	32023	05/12/2011	114929	cpm	-1.754797036
724603.7	3949261	32366	05/12/2011	114930	cpm	-1.5375847

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724602.9	3949262	32691	05/12/2011	114931	cpm	-1.331771262
724602.4	3949262	35172	05/12/2011	114933	cpm	0.23937686
724602.2	3949262	37533	05/12/2011	114934	cpm	1.734532329
724602.2	3949262	37493	05/12/2011	114935	cpm	1.709201444
724602.2	3949262	34093	05/12/2011	114936	cpm	-0.443923754
724602.2	3949262	34413	05/12/2011	114937	cpm	-0.241276677
724601.8	3949262	36383	05/12/2011	114938	cpm	1.006269394
724601.8	3949262	35795	05/12/2011	114939	cpm	0.633905389
724601.7	3949262	34989	05/12/2011	114940	cpm	0.123488063
724600.8	3949262	33677	05/12/2011	114941	cpm	-0.707364955
724599.7	3949261	35899	05/12/2011	114942	cpm	0.699765689
724598.6	3949260	34894	05/12/2011	114943	cpm	0.063327212
724597.4	3949260	36443	05/12/2011	114944	cpm	1.044265721
724596.2	3949259	36021	05/12/2011	114945	cpm	0.777024888
724595	3949258	34955	05/12/2011	114946	cpm	0.101956811
724593.8	3949258	34478	05/12/2011	114947	cpm	-0.200113989
724592.5	3949257	30369	05/12/2011	114948	cpm	-2.802229118
724591.3	3949257	31684	05/12/2011	114949	cpm	-1.969476284
724590	3949256	33255	05/12/2011	114950	cpm	-0.974605788
724588.7	3949256	36243	05/12/2011	114951	cpm	0.917611298
724587.4	3949256	32760	05/12/2011	114952	cpm	-1.288075486
724584.7	3949255	36885	05/12/2011	114954	cpm	1.324171997
724582.3	3949254	39025	05/12/2011	114956	cpm	2.679374327
724580.9	3949253	35346	05/12/2011	114957	cpm	0.349566209
724579.7	3949253	35566	05/12/2011	114958	cpm	0.488886074
724578.4	3949253	36131	05/12/2011	114959	cpm	0.84668482
724577	3949252	35583	05/12/2011	115000	cpm	0.4996517
724575.7	3949252	35745	05/12/2011	115001	cpm	0.602241783
724574.4	3949251	39296	05/12/2011	115002	cpm	2.850991071
724571.7	3949250	40874	05/12/2011	115004	cpm	3.850294472
724570.4	3949250	37368	05/12/2011	115005	cpm	1.630042429
724569	3949250	35112	05/12/2011	115006	cpm	0.201380533
724567.6	3949249	34758	05/12/2011	115007	cpm	-0.022797796
724566.4	3949249	35779	05/12/2011	115008	cpm	0.623773035
724565.2	3949248	38704	05/12/2011	115009	cpm	2.476093978
724564	3949247	35236	05/12/2011	115010	cpm	0.279906276
724562.8	3949247	34879	05/12/2011	115011	cpm	0.05382813
724561.5	3949246	35479	05/12/2011	115012	cpm	0.4337914
724560.1	3949246	33890	05/12/2011	115013	cpm	-0.572477994
724558.8	3949245	36372	05/12/2011	115014	cpm	0.999303401
724557.5	3949245	36963	05/12/2011	115015	cpm	1.373567222
724556.2	3949244	36000	05/12/2011	115016	cpm	0.763726173

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724554.9	3949244	37170	05/12/2011	115017	cpm	1.50465455
724553.6	3949243	36202	05/12/2011	115018	cpm	0.891647141
724552.3	3949243	32150	05/12/2011	115019	cpm	-1.674371477
724551	3949242	34867	05/12/2011	115020	cpm	0.046228865
724548.4	3949242	32524	05/12/2011	115022	cpm	-1.437527706
724545.9	3949240	34177	05/12/2011	115024	cpm	-0.390728896
724544.7	3949240	35364	05/12/2011	115025	cpm	0.360965107
724543.4	3949239	36351	05/12/2011	115026	cpm	0.986004686
724542.1	3949239	34947	05/12/2011	115027	cpm	0.096890634
724540.8	3949238	35257	05/12/2011	115028	cpm	0.29320499
724539.6	3949238	37464	05/12/2011	115029	cpm	1.690836552
724537	3949237	32796	05/12/2011	115031	cpm	-1.26527769
724535.7	3949237	33579	05/12/2011	115032	cpm	-0.769425622
724534.4	3949237	35844	05/12/2011	115033	cpm	0.664935723
724533.1	3949236	36171	05/12/2011	115034	cpm	0.872015705
724531.8	3949236	36432	05/12/2011	115035	cpm	1.037299728
724530.6	3949235	38898	05/12/2011	115036	cpm	2.598948768
724529.2	3949235	39004	05/12/2011	115037	cpm	2.666075613
724527.9	3949235	37591	05/12/2011	115038	cpm	1.771262111
724526.6	3949234	37927	05/12/2011	115039	cpm	1.984041543
724525.4	3949234	37052	05/12/2011	115040	cpm	1.42992844
724524.1	3949233	35123	05/12/2011	115041	cpm	0.208346527
724522.9	3949233	34640	05/12/2011	115042	cpm	-0.097523906
724521.9	3949232	34790	05/12/2011	115043	cpm	-0.002533088
724520.7	3949232	34612	05/12/2011	115044	cpm	-0.115255525
724518.4	3949232	35245	05/12/2011	115046	cpm	0.285605725
724517.3	3949231	32301	05/12/2011	115047	cpm	-1.578747388
724515.9	3949231	35255	05/12/2011	115048	cpm	0.291938446
724514.7	3949231	39113	05/12/2011	115049	cpm	2.735102273
724513.5	3949230	37288	05/12/2011	115050	cpm	1.57938066
724512.2	3949230	39682	05/12/2011	115051	cpm	3.095434108
724509.6	3949229	41510	05/12/2011	115053	cpm	4.253055538
724508.3	3949229	38487	05/12/2011	115054	cpm	2.338673928
724507	3949228	39112	05/12/2011	115055	cpm	2.734469001
724505.7	3949228	45208	05/12/2011	115056	cpm	6.594895827
724504.4	3949228	43882	05/12/2011	115057	cpm	5.755177
724503.1	3949227	53360	05/12/2011	115058	cpm	11.75733012
724501.8	3949227	57950	05/12/2011	115059	cpm	14.66404914
724500.6	3949227	58797	05/12/2011	115100	cpm	15.20043063
724499.3	3949226	75329	05/12/2011	115101	cpm	25.66968526
724498.2	3949226	71482	05/12/2011	115102	cpm	23.23348743
724496.9	3949225	91550	05/12/2011	115103	cpm	35.94199227

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724495.7	3949225	87897	05/12/2011	115104	cpm	33.62864923
724494.6	3949224	79154	05/12/2011	115105	cpm	28.09195111
724493.3	3949224	82548	05/12/2011	115106	cpm	30.24127668
724492.2	3949224	79377	05/12/2011	115107	cpm	28.23317079
724491	3949223	57956	05/12/2011	115108	cpm	14.66784877
724489.9	3949223	52889	05/12/2011	115109	cpm	11.45905896
724488.7	3949222	48922	05/12/2011	115110	cpm	8.946868469
724487.5	3949222	45650	05/12/2011	115111	cpm	6.874802102
724486.2	3949222	46452	05/12/2011	115112	cpm	7.38268634
724485.1	3949222	51723	05/12/2011	115113	cpm	10.72066367
724483.9	3949221	58140	05/12/2011	115114	cpm	14.78437084
724481.4	3949221	54945	05/12/2011	115116	cpm	12.76106643
724480.2	3949220	54296	05/12/2011	115117	cpm	12.35007283
724478.9	3949220	68474	05/12/2011	115118	cpm	21.3286049
724477.7	3949219	72048	05/12/2011	115119	cpm	23.59191945
724476.4	3949219	60702	05/12/2011	115120	cpm	16.40681401
724475.2	3949219	46705	05/12/2011	115121	cpm	7.542904186
724473.9	3949218	48846	05/12/2011	115122	cpm	8.898739788
724472.6	3949218	45091	05/12/2011	115123	cpm	6.520802989
724471.4	3949217	45352	05/12/2011	115124	cpm	6.686087012
724470.2	3949217	42208	05/12/2011	115125	cpm	4.695079476
724469.1	3949216	42862	05/12/2011	115126	cpm	5.10923944
724468	3949216	41015	05/12/2011	115127	cpm	3.93958584
724467.1	3949215	44931	05/12/2011	115128	cpm	6.41947945
724465	3949215	46383	05/12/2011	115130	cpm	7.338990564
724465.2	3949216	41426	05/12/2011	115132	cpm	4.19986068
724465.4	3949217	45996	05/12/2011	115133	cpm	7.093914255
724465.7	3949218	41979	05/12/2011	115134	cpm	4.550060161
724465.6	3949219	41964	05/12/2011	115135	cpm	4.540561079
724465.7	3949220	40251	05/12/2011	115136	cpm	3.455765943
724465.7	3949220	43692	05/12/2011	115137	cpm	5.634855297
724465.6	3949220	39903	05/12/2011	115138	cpm	3.235387246
724465.7	3949220	40395	05/12/2011	115140	cpm	3.546957127
724465.7	3949220	41178	05/12/2011	115141	cpm	4.042809195
724466.3	3949220	38704	05/12/2011	115142	cpm	2.476093978
724467.3	3949221	40876	05/12/2011	115143	cpm	3.851561016
724468.6	3949221	41899	05/12/2011	115144	cpm	4.499398391
724469.8	3949222	42754	05/12/2011	115145	cpm	5.040846052
724471.1	3949222	43208	05/12/2011	115146	cpm	5.328351593
724472.4	3949223	44492	05/12/2011	115147	cpm	6.141472991
724473.6	3949223	48773	05/12/2011	115148	cpm	8.852510924
724474.8	3949223	56143	05/12/2011	115149	cpm	13.51972643



Surface Gamma Scans  
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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724476	3949223	65336	05/12/2011	115150	cpm	19.341397
724477.2	3949223	61994	05/12/2011	115151	cpm	17.22500158
724478.3	3949224	60378	05/12/2011	115152	cpm	16.20163384
724479.5	3949224	51724	05/12/2011	115153	cpm	10.72129694
724480.7	3949224	56791	05/12/2011	115154	cpm	13.93008676
724481.8	3949224	56197	05/12/2011	115155	cpm	13.55392312
724483	3949225	56530	05/12/2011	115156	cpm	13.76480274
724485.5	3949225	49598	05/12/2011	115158	cpm	9.37496042
724487.8	3949226	52517	05/12/2011	115200	cpm	11.22348173
724488.9	3949227	59869	05/12/2011	115201	cpm	15.87929833
724490.1	3949227	60597	05/12/2011	115202	cpm	16.34032044
724491.3	3949227	76409	05/12/2011	115203	cpm	26.35361915
724492.5	3949227	80542	05/12/2011	115204	cpm	28.97093281
724493.6	3949228	114185	05/12/2011	115205	cpm	50.27610664
724494.8	3949228	103936	05/12/2011	115206	cpm	43.78570072
724497.1	3949229	84154	05/12/2011	115208	cpm	31.2583117
724498.3	3949229	74528	05/12/2011	115209	cpm	25.1624343
724499.4	3949229	67922	05/12/2011	115210	cpm	20.97903869
724500.6	3949230	69390	05/12/2011	115211	cpm	21.90868216
724501.9	3949230	58297	05/12/2011	115212	cpm	14.88379457
724503.1	3949230	49344	05/12/2011	115213	cpm	9.214109303
724504.2	3949231	40986	05/12/2011	115214	cpm	3.921220949
724505.4	3949231	44056	05/12/2011	115215	cpm	5.865366348
724506.6	3949232	41134	05/12/2011	115216	cpm	4.014945222
724507.8	3949232	37973	05/12/2011	115217	cpm	2.01317206
724509	3949232	36223	05/12/2011	115218	cpm	0.904945855
724510.4	3949233	35126	05/12/2011	115219	cpm	0.210246343
724511.7	3949233	35331	05/12/2011	115220	cpm	0.340067127
724513	3949233	40782	05/12/2011	115221	cpm	3.792033437
724514.3	3949233	37645	05/12/2011	115222	cpm	1.805458806
724515.5	3949234	34581	05/12/2011	115223	cpm	-0.134886961
724516.7	3949234	34741	05/12/2011	115224	cpm	-0.033563422
724519.2	3949235	35223	05/12/2011	115226	cpm	0.271673738
724520.5	3949235	35926	05/12/2011	115227	cpm	0.716864036
724521.8	3949235	33371	05/12/2011	115228	cpm	-0.901146223
724523	3949236	35883	05/12/2011	115229	cpm	0.689633335
724524.3	3949236	38460	05/12/2011	115230	cpm	2.321575581
724525.7	3949237	35895	05/12/2011	115231	cpm	0.697232601
724526.9	3949237	38133	05/12/2011	115232	cpm	2.114495599
724529.5	3949238	34733	05/12/2011	115234	cpm	-0.038629599
724530.8	3949238	34303	05/12/2011	115235	cpm	-0.310936609
724532	3949238	34076	05/12/2011	115236	cpm	-0.45468938

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724533.1	3949239	34409	05/12/2011	115237	cpm	-0.243809765
724534.2	3949239	35392	05/12/2011	115238	cpm	0.378696726
724535.4	3949240	36508	05/12/2011	115239	cpm	1.085428409
724536.7	3949240	35647	05/12/2011	115240	cpm	0.540181116
724537.9	3949241	33661	05/12/2011	115241	cpm	-0.717497309
724539.1	3949241	35205	05/12/2011	115242	cpm	0.26027484
724540.3	3949241	32801	05/12/2011	115243	cpm	-1.262111329
724541.5	3949242	32980	05/12/2011	115244	cpm	-1.14875562
724542.8	3949242	34405	05/12/2011	115245	cpm	-0.246342854
724544	3949242	36132	05/12/2011	115246	cpm	0.847318093
724546.5	3949244	31913	05/12/2011	115248	cpm	-1.824456969
724549.1	3949244	35639	05/12/2011	115250	cpm	0.535114939
724550.4	3949245	35820	05/12/2011	115251	cpm	0.649737192
724551.7	3949246	36765	05/12/2011	115252	cpm	1.248179343
724553	3949246	38951	05/12/2011	115253	cpm	2.63251219
724554.2	3949247	38615	05/12/2011	115254	cpm	2.419732759
724555.3	3949247	35846	05/12/2011	115255	cpm	0.666202267
724556.6	3949248	34131	05/12/2011	115256	cpm	-0.419859414
724558.5	3949249	33343	05/12/2011	115258	cpm	-0.918877842
724559.4	3949249	34195	05/12/2011	115259	cpm	-0.379329998
724560.4	3949249	33539	05/12/2011	115300	cpm	-0.794756507
724561.5	3949250	36794	05/12/2011	115301	cpm	1.266544234
724562.7	3949251	35508	05/12/2011	115302	cpm	0.452156292
724564	3949251	36207	05/12/2011	115303	cpm	0.894813501
724565.3	3949252	34761	05/12/2011	115304	cpm	-0.02089798
724566.6	3949252	37340	05/12/2011	115305	cpm	1.61231081
724567.8	3949253	35375	05/12/2011	115306	cpm	0.3679311
724569.1	3949253	35843	05/12/2011	115307	cpm	0.664302451
724570.2	3949254	35571	05/12/2011	115308	cpm	0.492052435
724571.5	3949254	36102	05/12/2011	115309	cpm	0.828319929
724572.7	3949255	41369	05/12/2011	115310	cpm	4.163764169
724573.4	3949255	40873	05/12/2011	115312	cpm	3.849661199
724573.4	3949255	41554	05/12/2011	115314	cpm	4.280919511
724573.7	3949255	40358	05/12/2011	115315	cpm	3.523526059
724574.6	3949256	37719	05/12/2011	115316	cpm	1.852320942
724575.7	3949257	33370	05/12/2011	115317	cpm	-0.901779495
724577	3949257	33062	05/12/2011	115318	cpm	-1.096827307
724578.3	3949258	34635	05/12/2011	115319	cpm	-0.100690267
724579.6	3949258	37548	05/12/2011	115320	cpm	1.74403141
724582.2	3949260	34857	05/12/2011	115322	cpm	0.039896143
724583.5	3949260	36914	05/12/2011	115323	cpm	1.342536888
724584.6	3949261	34788	05/12/2011	115324	cpm	-0.003799633

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724585.8	3949261	36777	05/12/2011	115325	cpm	1.255778608
724586.9	3949262	34904	05/12/2011	115326	cpm	0.069659933
724588	3949262	36716	05/12/2011	115327	cpm	1.217149009
724589.2	3949263	34409	05/12/2011	115328	cpm	-0.243809765
724590.4	3949263	36442	05/12/2011	115329	cpm	1.043632449
724591.6	3949264	37550	05/12/2011	115330	cpm	1.745297955
724592.8	3949265	33567	05/12/2011	115331	cpm	-0.777024888
724594.1	3949265	36562	05/12/2011	115332	cpm	1.119625103
724595.3	3949266	35990	05/12/2011	115333	cpm	0.757393452
724596.2	3949267	34447	05/12/2011	115334	cpm	-0.219745425
724598.3	3949268	36720	05/12/2011	115336	cpm	1.219682097
724599.4	3949268	35550	05/12/2011	115337	cpm	0.47875372
724600.4	3949269	32317	05/12/2011	115338	cpm	-1.568615034
724601.3	3949269	32919	05/12/2011	115339	cpm	-1.187385219
724601.6	3949270	30880	05/12/2011	115340	cpm	-2.478627066
724601.5	3949271	35110	05/12/2011	115341	cpm	0.200113989
724600.8	3949273	32567	05/12/2011	115343	cpm	-1.410297005
724600.9	3949274	36791	05/12/2011	115344	cpm	1.264644418
724601	3949274	32268	05/12/2011	115345	cpm	-1.599645368
724600.8	3949274	36297	05/12/2011	115346	cpm	0.951807992
724599.8	3949274	34484	05/12/2011	115347	cpm	-0.196314356
724598.7	3949273	33131	05/12/2011	115348	cpm	-1.053131531
724597.5	3949273	33812	05/12/2011	115349	cpm	-0.621873219
724596.4	3949273	35033	05/12/2011	115350	cpm	0.151352036
724595.2	3949272	37588	05/12/2011	115351	cpm	1.769362295
724594	3949272	40147	05/12/2011	115352	cpm	3.389905642
724592.8	3949271	38776	05/12/2011	115353	cpm	2.52168957
724591.6	3949271	33934	05/12/2011	115354	cpm	-0.544614021
724589.3	3949270	37192	05/12/2011	115356	cpm	1.518586537
724586.8	3949269	39479	05/12/2011	115358	cpm	2.966879868
724585.5	3949269	40380	05/12/2011	115359	cpm	3.537458046
724584.3	3949268	37935	05/12/2011	115400	cpm	1.98910772
724583.1	3949268	38373	05/12/2011	115401	cpm	2.266480907
724581.8	3949267	36863	05/12/2011	115402	cpm	1.31024001
724580.6	3949267	37955	05/12/2011	115403	cpm	2.001773162
724579.3	3949266	36969	05/12/2011	115404	cpm	1.377366855
724576.8	3949265	36932	05/12/2011	115406	cpm	1.353935786
724575.5	3949265	37553	05/12/2011	115407	cpm	1.747197771
724574.2	3949265	38248	05/12/2011	115408	cpm	2.187321892
724572.9	3949264	37672	05/12/2011	115409	cpm	1.822557153
724571.6	3949264	35668	05/12/2011	115410	cpm	0.55347983
724570.4	3949263	37237	05/12/2011	115411	cpm	1.547083782

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724569.2	3949263	39129	05/12/2011	115412	cpm	2.745234627
724567.9	3949262	40052	05/12/2011	115413	cpm	3.329744791
724566.6	3949262	37073	05/12/2011	115414	cpm	1.443227155
724565.3	3949261	37978	05/12/2011	115415	cpm	2.016338421
724564	3949261	39554	05/12/2011	115416	cpm	3.014375277
724562.7	3949260	37788	05/12/2011	115417	cpm	1.896016718
724561.4	3949260	35277	05/12/2011	115418	cpm	0.305870433
724560.1	3949259	38249	05/12/2011	115419	cpm	2.187955164
724558.9	3949259	36290	05/12/2011	115420	cpm	0.947375087
724556.5	3949258	36723	05/12/2011	115422	cpm	1.221581914
724555.3	3949257	31680	05/12/2011	115423	cpm	-1.972009372
724554.2	3949257	38850	05/12/2011	115424	cpm	2.568551707
724553.1	3949256	37642	05/12/2011	115425	cpm	1.803558989
724551.9	3949255	35870	05/12/2011	115426	cpm	0.681400798
724550.6	3949255	36897	05/12/2011	115427	cpm	1.331771262
724549.2	3949255	33764	05/12/2011	115428	cpm	-0.652270281
724547.9	3949254	32531	05/12/2011	115429	cpm	-1.433094801
724545.5	3949254	36812	05/12/2011	115431	cpm	1.277943132
724544.2	3949253	37943	05/12/2011	115432	cpm	1.994173897
724543	3949253	37115	05/12/2011	115433	cpm	1.469824584
724541.7	3949252	35889	05/12/2011	115434	cpm	0.693432968
724540.5	3949252	36122	05/12/2011	115435	cpm	0.840985371
724539.4	3949252	35340	05/12/2011	115436	cpm	0.345766576
724538.4	3949251	36435	05/12/2011	115437	cpm	1.039199544
724537.7	3949251	36828	05/12/2011	115438	cpm	1.288075486
724537.6	3949251	36057	05/12/2011	115439	cpm	0.799822684
724537.4	3949251	36194	05/12/2011	115440	cpm	0.886580964
724536.5	3949251	33438	05/12/2011	115441	cpm	-0.858716991
724535.3	3949250	38187	05/12/2011	115442	cpm	2.148692293
724532.7	3949250	35589	05/12/2011	115444	cpm	0.503451333
724530.1	3949249	41981	05/12/2011	115446	cpm	4.551326705
724528.8	3949249	36745	05/12/2011	115447	cpm	1.2355139
724527.6	3949248	32256	05/12/2011	115448	cpm	-1.607244633
724526.3	3949248	35214	05/12/2011	115449	cpm	0.265974289
724525.1	3949248	36433	05/12/2011	115450	cpm	1.037933
724523.9	3949247	37578	05/12/2011	115451	cpm	1.763029574
724522.7	3949247	34684	05/12/2011	115452	cpm	-0.069659933
724520.2	3949246	35791	05/12/2011	115454	cpm	0.631372301
724519	3949246	35497	05/12/2011	115455	cpm	0.445190298
724517.7	3949246	34764	05/12/2011	115456	cpm	-0.018998164
724516.5	3949245	35751	05/12/2011	115457	cpm	0.606041416
724515.3	3949245	34527	05/12/2011	115458	cpm	-0.169083655

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724514.2	3949245	34762	05/12/2011	115459	cpm	-0.020264708
724513	3949244	32210	05/12/2011	115500	cpm	-1.63637515
724511.7	3949244	35592	05/12/2011	115501	cpm	0.505351149
724510.5	3949244	40458	05/12/2011	115502	cpm	3.586853271
724509.4	3949243	42844	05/12/2011	115503	cpm	5.097840542
724508.2	3949243	42901	05/12/2011	115504	cpm	5.133937053
724507	3949242	41895	05/12/2011	115505	cpm	4.496865303
724505.8	3949241	37833	05/12/2011	115506	cpm	1.924513964
724504.6	3949241	37838	05/12/2011	115507	cpm	1.927680324
724503.3	3949241	37217	05/12/2011	115508	cpm	1.53441834
724500.9	3949240	37688	05/12/2011	115510	cpm	1.832689507
724499.7	3949239	38402	05/12/2011	115511	cpm	2.284845798
724498.5	3949239	35790	05/12/2011	115512	cpm	0.630739029
724497.4	3949239	39727	05/12/2011	115513	cpm	3.123931353
724496.1	3949238	40832	05/12/2011	115514	cpm	3.823697043
724494.9	3949238	42758	05/12/2011	115515	cpm	5.04337914
724493	3949237	39369	05/12/2011	115517	cpm	2.897219935
724492.2	3949237	38642	05/12/2011	115518	cpm	2.436831106
724491.2	3949237	42330	05/12/2011	115519	cpm	4.772338674
724489.9	3949236	40972	05/12/2011	115520	cpm	3.912355139
724488.6	3949236	46993	05/12/2011	115521	cpm	7.725286556
724487.4	3949236	92598	05/12/2011	115522	cpm	36.60566145
724486	3949236	81199	05/12/2011	115523	cpm	29.38699259
724484.7	3949236	53899	05/12/2011	115524	cpm	12.0986638
724483.4	3949236	48935	05/12/2011	115525	cpm	8.955101007
724482.2	3949235	48743	05/12/2011	115526	cpm	8.83351276
724480.9	3949235	49476	05/12/2011	115527	cpm	9.297701222
724479.7	3949235	45609	05/12/2011	115528	cpm	6.848837946
724478.5	3949235	49202	05/12/2011	115529	cpm	9.124184662
724477.1	3949235	46717	05/12/2011	115530	cpm	7.550503451
724474.6	3949235	46390	05/12/2011	115532	cpm	7.343423469
724473.3	3949235	54317	05/12/2011	115533	cpm	12.36337154
724472	3949234	59929	05/12/2011	115534	cpm	15.91729466
724470.9	3949234	57852	05/12/2011	115535	cpm	14.60198847
724470	3949234	53073	05/12/2011	115536	cpm	11.57558103
724469.7	3949234	50048	05/12/2011	115537	cpm	9.659932873
724469.6	3949234	52292	05/12/2011	115538	cpm	11.0809955
724468.5	3949234	48833	05/12/2011	115540	cpm	8.890507251
724467.9	3949234	45268	05/12/2011	115541	cpm	6.632892154
724467.8	3949234	43537	05/12/2011	115542	cpm	5.536698119
724467.8	3949234	43524	05/12/2011	115543	cpm	5.528465582
724467.8	3949234	46071	05/12/2011	115544	cpm	7.141409664

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724467.7	3949234	41307	05/12/2011	115545	cpm	4.124501298
724467.7	3949234	40777	05/12/2011	115546	cpm	3.788867076
724467.6	3949234	43824	05/12/2011	115547	cpm	5.718447217
724467.8	3949235	44376	05/12/2011	115548	cpm	6.068013425
724468.1	3949236	50454	05/12/2011	115549	cpm	9.917041353
724468.2	3949238	48403	05/12/2011	115550	cpm	8.618200241
724468.5	3949239	47201	05/12/2011	115551	cpm	7.857007156
724468.6	3949239	49090	05/12/2011	115552	cpm	9.053258185
724468.5	3949239	48452	05/12/2011	115553	cpm	8.649230574
724468.5	3949239	49955	05/12/2011	115554	cpm	9.601038566
724468.6	3949239	50109	05/12/2011	115555	cpm	9.698562472
724468.6	3949239	49157	05/12/2011	115556	cpm	9.095687417
724468.5	3949239	47959	05/12/2011	115557	cpm	8.337027421
724468.5	3949239	51589	05/12/2011	115558	cpm	10.63580521
724468.6	3949239	50067	05/12/2011	115559	cpm	9.671965043
724468.5	3949239	53707	05/12/2011	115601	cpm	11.97707555
724468.5	3949239	50866	05/12/2011	115602	cpm	10.17794946
724468.4	3949239	47846	05/12/2011	115603	cpm	8.265467671
724468.4	3949239	54621	05/12/2011	115604	cpm	12.55588626
724468.6	3949239	46835	05/12/2011	115605	cpm	7.625229561
724469.6	3949239	50978	05/12/2011	115606	cpm	10.24887594
724470.8	3949240	50364	05/12/2011	115607	cpm	9.860046862
724471.8	3949240	46311	05/12/2011	115608	cpm	7.293394972
724472.8	3949240	45717	05/12/2011	115609	cpm	6.917231334
724473.8	3949241	41699	05/12/2011	115610	cpm	4.372743968
724475	3949241	39675	05/12/2011	115611	cpm	3.091001203
724476.1	3949241	39948	05/12/2011	115612	cpm	3.263884491
724477.3	3949241	41127	05/12/2011	115613	cpm	4.010512317
724478.5	3949242	37940	05/12/2011	115614	cpm	1.99227408
724480.1	3949242	37418	05/12/2011	115616	cpm	1.661706035
724480.2	3949242	39294	05/12/2011	115617	cpm	2.849724527
724480.2	3949242	35953	05/12/2011	115618	cpm	0.733962384
724480.9	3949243	37518	05/12/2011	115619	cpm	1.725033247
724481.9	3949243	39379	05/12/2011	115620	cpm	2.903552657
724483.1	3949243	45454	05/12/2011	115621	cpm	6.750680768
724484.4	3949243	45923	05/12/2011	115622	cpm	7.04768539
724486.6	3949244	45381	05/12/2011	115624	cpm	6.704451903
724487.3	3949244	44825	05/12/2011	115625	cpm	6.352352606
724488.1	3949244	44026	05/12/2011	115626	cpm	5.846368184
724489	3949244	40616	05/12/2011	115627	cpm	3.686910265
724490.1	3949245	41984	05/12/2011	115628	cpm	4.553226521
724491.4	3949245	39836	05/12/2011	115629	cpm	3.192958014

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

						Estimated Ra-226 concentration pCi/g)
X	Y	RESULTS	DATE	TIME	UNITS	$y = 1579.1x + 34794$
724492.7	3949245	39779	05/12/2011	115630	cpm	3.156861503
724494	3949246	42044	05/12/2011	115631	cpm	4.591222848
724495.4	3949246	39431	05/12/2011	115632	cpm	2.936482807
724496.7	3949246	41297	05/12/2011	115633	cpm	4.118168577
724497.9	3949246	40054	05/12/2011	115634	cpm	3.331011336
724499.2	3949247	36893	05/12/2011	115635	cpm	1.329238174
724500.4	3949247	33551	05/12/2011	115636	cpm	-0.787157241
724502.9	3949248	36446	05/12/2011	115638	cpm	1.046165537
724504.2	3949249	34071	05/12/2011	115639	cpm	-0.457855741
724505.5	3949249	36388	05/12/2011	115640	cpm	1.009435755
724506.8	3949249	35617	05/12/2011	115641	cpm	0.521182952
724507.9	3949249	35604	05/12/2011	115642	cpm	0.512950415
724508.9	3949249	34071	05/12/2011	115643	cpm	-0.457855741
724509.6	3949249	38067	05/12/2011	115644	cpm	2.072699639
724512	3949250	40207	05/12/2011	115646	cpm	3.427901969
724513.3	3949251	41581	05/12/2011	115647	cpm	4.298017858
724514.6	3949251	41145	05/12/2011	115648	cpm	4.021911215
724515.9	3949251	38786	05/12/2011	115649	cpm	2.528022291
724517.3	3949252	40176	05/12/2011	115650	cpm	3.408270534
724518.6	3949252	35814	05/12/2011	115651	cpm	0.645937559
724520	3949252	35383	05/12/2011	115652	cpm	0.372997277
724521.3	3949253	36326	05/12/2011	115653	cpm	0.970172883
724522.7	3949253	34731	05/12/2011	115654	cpm	-0.039896143
724524	3949253	36162	05/12/2011	115655	cpm	0.866316256
724525.2	3949254	36640	05/12/2011	115656	cpm	1.169020328
724526.6	3949254	35140	05/12/2011	115657	cpm	0.219112152
724528	3949254	36831	05/12/2011	115658	cpm	1.289975302
724530.7	3949255	34312	05/12/2011	115700	cpm	-0.30523716
724533.4	3949256	37132	05/12/2011	115702	cpm	1.48059021
724534.7	3949256	33553	05/12/2011	115703	cpm	-0.785890697
724536	3949256	32388	05/12/2011	115704	cpm	-1.523652714
724537.3	3949257	34467	05/12/2011	115705	cpm	-0.207079982
724538.6	3949257	37446	05/12/2011	115706	cpm	1.679437654
724539.9	3949257	32671	05/12/2011	115707	cpm	-1.344436704
724541.1	3949257	32017	05/12/2011	115708	cpm	-1.758596669
724542.3	3949257	32544	05/12/2011	115709	cpm	-1.424862263
724543.1	3949257	33636	05/12/2011	115710	cpm	-0.733329112
724543.3	3949257	31329	05/12/2011	115712	cpm	-2.194287886
724542.5	3949257	36392	05/12/2011	115713	cpm	1.011968843
724541.4	3949257	37418	05/12/2011	115714	cpm	1.661706035
724540.1	3949257	36954	05/12/2011	115715	cpm	1.367867773
724538.8	3949258	33898	05/12/2011	115716	cpm	-0.567411817

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724537.6	3949258	37004	05/12/2011	115717	cpm	1.399531379
724536.3	3949258	36881	05/12/2011	115718	cpm	1.321638908
724535.2	3949258	35830	05/12/2011	115719	cpm	0.656069913
724534	3949258	38147	05/12/2011	115720	cpm	2.123361408
724532.7	3949258	37796	05/12/2011	115721	cpm	1.901082895
724531.5	3949258	37889	05/12/2011	115722	cpm	1.959977202
724530.4	3949258	35152	05/12/2011	115723	cpm	0.226711418
724529.2	3949259	35227	05/12/2011	115724	cpm	0.274206827
724526.9	3949258	34511	05/12/2011	115726	cpm	-0.179216009
724525.7	3949258	35028	05/12/2011	115727	cpm	0.148185675
724524.8	3949257	32517	05/12/2011	115728	cpm	-1.44196061
724524.4	3949257	31289	05/12/2011	115729	cpm	-2.21961877
724524.6	3949257	34642	05/12/2011	115730	cpm	-0.096257362
724524.3	3949257	35600	05/12/2011	115731	cpm	0.510417326
724522.1	3949256	36380	05/12/2011	115733	cpm	1.004369578
724520.9	3949256	36185	05/12/2011	115734	cpm	0.880881515
724519.6	3949256	34756	05/12/2011	115735	cpm	-0.02406434
724518.3	3949255	35929	05/12/2011	115736	cpm	0.718763853
724517.1	3949255	37812	05/12/2011	115737	cpm	1.911215249
724516	3949255	33723	05/12/2011	115738	cpm	-0.678234437
724514.8	3949254	31500	05/12/2011	115739	cpm	-2.085998353
724513.6	3949254	37455	05/12/2011	115740	cpm	1.685137103
724512.4	3949254	41403	05/12/2011	115741	cpm	4.185295421
724511.3	3949253	38701	05/12/2011	115742	cpm	2.474194161
724510.1	3949253	36375	05/12/2011	115743	cpm	1.001203217
724508.9	3949252	36723	05/12/2011	115744	cpm	1.221581914
724507.7	3949252	37591	05/12/2011	115745	cpm	1.771262111
724506.5	3949251	37704	05/12/2011	115746	cpm	1.842821861
724505.4	3949251	35316	05/12/2011	115747	cpm	0.330568045
724504.1	3949251	36849	05/12/2011	115748	cpm	1.3013742
724503	3949251	36362	05/12/2011	115749	cpm	0.99297068
724501.9	3949250	41400	05/12/2011	115750	cpm	4.183395605
724500.8	3949250	39030	05/12/2011	115751	cpm	2.682540688
724499.6	3949249	34867	05/12/2011	115752	cpm	0.046228865
724497.1	3949249	35957	05/12/2011	115754	cpm	0.736495472
724495.9	3949248	37429	05/12/2011	115755	cpm	1.668672028
724494.6	3949248	38127	05/12/2011	115756	cpm	2.110695966
724493.3	3949248	35182	05/12/2011	115757	cpm	0.245709581
724492.1	3949247	37085	05/12/2011	115758	cpm	1.45082642
724490.8	3949247	40141	05/12/2011	115759	cpm	3.38610601
724489.6	3949247	37095	05/12/2011	115800	cpm	1.457159141
724488.3	3949246	35913	05/12/2011	115801	cpm	0.708631499



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724486.9	3949246	35378	05/12/2011	115802	cpm	0.369830916
724485.6	3949246	38454	05/12/2011	115803	cpm	2.317775948
724484.4	3949245	37693	05/12/2011	115804	cpm	1.835855867
724483.1	3949245	37773	05/12/2011	115805	cpm	1.886517637
724481.9	3949245	42065	05/12/2011	115806	cpm	4.604521563
724479.4	3949244	37676	05/12/2011	115808	cpm	1.825090241
724478.1	3949244	37619	05/12/2011	115809	cpm	1.788993731
724477	3949243	38835	05/12/2011	115810	cpm	2.559052625
724475.8	3949243	41718	05/12/2011	115811	cpm	4.384776138
724474.6	3949243	38059	05/12/2011	115812	cpm	2.067633462
724473.5	3949243	37264	05/12/2011	115813	cpm	1.564182129
724471	3949242	39886	05/12/2011	115815	cpm	3.22462162
724470.1	3949242	39431	05/12/2011	115816	cpm	2.936482807
724469.4	3949242	36798	05/12/2011	115817	cpm	1.269077323
724469.4	3949243	38389	05/12/2011	115818	cpm	2.276613261
724469.8	3949245	40377	05/12/2011	115819	cpm	3.535558229
724470	3949246	41744	05/12/2011	115820	cpm	4.401241213
724470	3949247	37196	05/12/2011	115821	cpm	1.521119625
724470	3949247	34529	05/12/2011	115822	cpm	-0.167817111
724470.9	3949247	38542	05/12/2011	115823	cpm	2.373503895
724471.9	3949248	36995	05/12/2011	115824	cpm	1.39383193
724472.2	3949248	38528	05/12/2011	115825	cpm	2.364638085
724472.3	3949248	38820	05/12/2011	115826	cpm	2.549553543
724472.3	3949248	41475	05/12/2011	115827	cpm	4.230891014
724473	3949249	38418	05/12/2011	115828	cpm	2.294978152
724473.8	3949249	33964	05/12/2011	115829	cpm	-0.525615857
724474.9	3949250	41731	05/12/2011	115830	cpm	4.393008676
724476.2	3949250	43132	05/12/2011	115831	cpm	5.280222912
724478.8	3949251	39943	05/12/2011	115833	cpm	3.260718131
724480	3949251	39596	05/12/2011	115834	cpm	3.040972706
724481.3	3949251	37589	05/12/2011	115835	cpm	1.769995567
724482.7	3949252	40297	05/12/2011	115836	cpm	3.48489646
724484	3949252	39174	05/12/2011	115837	cpm	2.773731873
724485.2	3949252	39523	05/12/2011	115838	cpm	2.994743841
724486.6	3949252	44321	05/12/2011	115839	cpm	6.033183459
724487.8	3949252	40840	05/12/2011	115840	cpm	3.82876322
724489	3949253	36460	05/12/2011	115841	cpm	1.055031347
724490.2	3949253	40393	05/12/2011	115842	cpm	3.545690583
724492.9	3949253	39019	05/12/2011	115844	cpm	2.675574694
724494.1	3949254	37654	05/12/2011	115845	cpm	1.811158255
724495.4	3949254	35393	05/12/2011	115846	cpm	0.379329998
724496.6	3949255	37108	05/12/2011	115847	cpm	1.465391679

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724497.9	3949255	39337	05/12/2011	115848	cpm	2.876955228
724499.3	3949255	43884	05/12/2011	115849	cpm	5.756443544
724501.8	3949256	44781	05/12/2011	115851	cpm	6.324488633
724503.1	3949256	40775	05/12/2011	115852	cpm	3.787600532
724504.4	3949257	38933	05/12/2011	115853	cpm	2.621113292
724505.7	3949257	36043	05/12/2011	115854	cpm	0.790956874
724507	3949257	35291	05/12/2011	115855	cpm	0.314736242
724508.3	3949257	36962	05/12/2011	115856	cpm	1.37293395
724509.6	3949257	39150	05/12/2011	115857	cpm	2.758533342
724510.7	3949258	39577	05/12/2011	115858	cpm	3.028940536
724512	3949258	37884	05/12/2011	115859	cpm	1.956810842
724513.3	3949258	36995	05/12/2011	115900	cpm	1.39383193
724514.6	3949258	38618	05/12/2011	115901	cpm	2.421632576
724515.8	3949259	37944	05/12/2011	115902	cpm	1.994807169
724517	3949259	35406	05/12/2011	115903	cpm	0.387562536
724518.3	3949259	36001	05/12/2011	115904	cpm	0.764359445
724520.6	3949259	39450	05/12/2011	115906	cpm	2.948514977
724521.7	3949259	35932	05/12/2011	115907	cpm	0.720663669
724522.1	3949259	34213	05/12/2011	115908	cpm	-0.3679311
724522.2	3949259	36933	05/12/2011	115909	cpm	1.354569058
724521.6	3949259	34883	05/12/2011	115910	cpm	0.056361218
724520.6	3949260	36230	05/12/2011	115911	cpm	0.90937876
724519.4	3949260	34347	05/12/2011	115912	cpm	-0.283072636
724518.1	3949259	34027	05/12/2011	115913	cpm	-0.485719714
724516.8	3949260	36946	05/12/2011	115914	cpm	1.362801596
724515.6	3949260	38756	05/12/2011	115915	cpm	2.509024128
724514.3	3949260	38085	05/12/2011	115916	cpm	2.084098537
724513	3949260	39911	05/12/2011	115917	cpm	3.240453423
724511.7	3949260	38987	05/12/2011	115918	cpm	2.655309987
724510.6	3949260	37586	05/12/2011	115919	cpm	1.768095751
724509.4	3949261	37506	05/12/2011	115920	cpm	1.717433981
724507.1	3949260	37276	05/12/2011	115922	cpm	1.571781394
724506	3949260	36919	05/12/2011	115923	cpm	1.345703249
724505	3949260	34879	05/12/2011	115924	cpm	0.05382813
724503.8	3949260	38720	05/12/2011	115925	cpm	2.486226331
724502.9	3949259	36710	05/12/2011	115926	cpm	1.213349376
724501.8	3949259	40707	05/12/2011	115927	cpm	3.744538028
724500.7	3949259	35737	05/12/2011	115928	cpm	0.597175606
724499.6	3949259	35214	05/12/2011	115929	cpm	0.265974289
724498.4	3949258	35081	05/12/2011	115930	cpm	0.181749098
724495.9	3949258	37997	05/12/2011	115932	cpm	2.028370591
724494.6	3949258	40879	05/12/2011	115933	cpm	3.853460832

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724493.4	3949257	41299	05/12/2011	115934	cpm	4.119435121
724492.2	3949257	48365	05/12/2011	115935	cpm	8.5941359
724491	3949257	42781	05/12/2011	115936	cpm	5.057944399
724489.9	3949257	40365	05/12/2011	115937	cpm	3.527958964
724487.7	3949256	41411	05/12/2011	115939	cpm	4.190361598
724486.4	3949256	39123	05/12/2011	115940	cpm	2.741434995
724485.2	3949255	46200	05/12/2011	115941	cpm	7.223101767
724483.9	3949255	38940	05/12/2011	115942	cpm	2.625546197
724482.7	3949255	36555	05/12/2011	115943	cpm	1.115192198
724481.5	3949254	38688	05/12/2011	115944	cpm	2.465961624
724480.5	3949254	36732	05/12/2011	115945	cpm	1.227281363
724479.4	3949253	34503	05/12/2011	115946	cpm	-0.184282186
724478.1	3949253	36675	05/12/2011	115947	cpm	1.191184852
724476.8	3949252	40677	05/12/2011	115948	cpm	3.725539864
724475.6	3949252	40259	05/12/2011	115949	cpm	3.46083212
724474.4	3949252	40605	05/12/2011	115950	cpm	3.679944272
724473.4	3949252	38591	05/12/2011	115951	cpm	2.404534228
724472.4	3949252	38507	05/12/2011	115952	cpm	2.351339371
724471.2	3949253	38336	05/12/2011	115954	cpm	2.243049839
724471.1	3949254	38054	05/12/2011	115955	cpm	2.064467102
724471.3	3949255	38433	05/12/2011	115956	cpm	2.304477234
724471.6	3949256	38056	05/12/2011	115957	cpm	2.065733646
724471.8	3949257	42527	05/12/2011	115958	cpm	4.897093281
724471.8	3949257	41411	05/12/2011	115959	cpm	4.190361598
724471.8	3949257	40533	05/12/2011	120000	cpm	3.63434868
724472.2	3949257	40313	05/12/2011	120001	cpm	3.495028814
724473.3	3949257	38587	05/12/2011	120002	cpm	2.40200114
724475.8	3949257	37886	05/12/2011	120004	cpm	1.958077386
724477.1	3949257	38211	05/12/2011	120005	cpm	2.163890824
724478.4	3949257	40933	05/12/2011	120006	cpm	3.887657526
724479.7	3949257	41043	05/12/2011	120007	cpm	3.957317459
724481.1	3949257	38010	05/12/2011	120008	cpm	2.036603128
724482.4	3949257	39742	05/12/2011	120009	cpm	3.133430435
724485	3949257	39215	05/12/2011	120011	cpm	2.799696029
724486.2	3949257	38874	05/12/2011	120012	cpm	2.583750237
724487.6	3949257	40078	05/12/2011	120013	cpm	3.346209866
724488.9	3949257	39299	05/12/2011	120014	cpm	2.852890887
724490.2	3949257	38115	05/12/2011	120015	cpm	2.103096701
724491.5	3949257	37248	05/12/2011	120016	cpm	1.554049775
724492.8	3949257	43062	05/12/2011	120017	cpm	5.235893864
724494	3949258	36085	05/12/2011	120018	cpm	0.817554303
724495.3	3949258	34401	05/12/2011	120019	cpm	-0.248875942

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724496.6	3949258	39680	05/12/2011	120020	cpm	3.094167564
724497.8	3949258	39110	05/12/2011	120021	cpm	2.733202457
724499.1	3949258	39207	05/12/2011	120022	cpm	2.794629852
724500.2	3949258	37072	05/12/2011	120023	cpm	1.442593883
724501.5	3949258	38699	05/12/2011	120024	cpm	2.472927617
724503.2	3949259	34601	05/12/2011	120026	cpm	-0.122221519
724504.2	3949260	37690	05/12/2011	120027	cpm	1.833956051
724505.2	3949260	37442	05/12/2011	120028	cpm	1.676904566
724506	3949260	36960	05/12/2011	120029	cpm	1.371667405
724506.6	3949260	38820	05/12/2011	120030	cpm	2.549553543
724506.9	3949260	35235	05/12/2011	120031	cpm	0.279273004
724506.4	3949261	35178	05/12/2011	120032	cpm	0.243176493
724504.7	3949261	37174	05/12/2011	120034	cpm	1.507187639
724503.6	3949261	35963	05/12/2011	120035	cpm	0.740295105
724502.5	3949261	36771	05/12/2011	120036	cpm	1.251978975
724501.4	3949261	39402	05/12/2011	120037	cpm	2.918117915
724500.3	3949261	34300	05/12/2011	120038	cpm	-0.312836426
724499.3	3949262	36595	05/12/2011	120039	cpm	1.140523083
724498.4	3949262	38188	05/12/2011	120040	cpm	2.149325565
724497.4	3949261	36787	05/12/2011	120041	cpm	1.262111329
724496.4	3949261	35854	05/12/2011	120042	cpm	0.671268444
724494.6	3949261	40558	05/12/2011	120044	cpm	3.650180483
724493.5	3949261	39959	05/12/2011	120045	cpm	3.270850484
724492.4	3949261	37680	05/12/2011	120046	cpm	1.82762333
724491.4	3949262	35610	05/12/2011	120047	cpm	0.516750047
724490.5	3949262	34912	05/12/2011	120048	cpm	0.07472611
724489.5	3949262	38338	05/12/2011	120049	cpm	2.244316383
724487.4	3949262	35864	05/12/2011	120051	cpm	0.677601165
724486.2	3949262	41186	05/12/2011	120052	cpm	4.047875372
724485.1	3949263	41893	05/12/2011	120053	cpm	4.495598759
724484.1	3949263	36901	05/12/2011	120054	cpm	1.334304351
724482.9	3949263	39885	05/12/2011	120055	cpm	3.223988348
724481.7	3949263	39041	05/12/2011	120056	cpm	2.689506681
724480.6	3949264	41410	05/12/2011	120057	cpm	4.189728326
724479.9	3949263	38942	05/12/2011	120058	cpm	2.626812741
724479.2	3949263	41235	05/12/2011	120059	cpm	4.078905706
724478.2	3949262	38284	05/12/2011	120100	cpm	2.210119688
724476	3949262	41475	05/12/2011	120102	cpm	4.230891014
724475	3949263	41958	05/12/2011	120103	cpm	4.536761446
724474.1	3949263	42409	05/12/2011	120104	cpm	4.822367171
724473.3	3949263	51132	05/12/2011	120105	cpm	10.34639985
724473.3	3949263	49893	05/12/2011	120106	cpm	9.561775695

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724473.5	3949263	51113	05/12/2011	120107	cpm	10.33436768
724474.2	3949263	45538	05/12/2011	120109	cpm	6.803875625
724474.4	3949263	43934	05/12/2011	120110	cpm	5.78810715
724474.7	3949262	40323	05/12/2011	120111	cpm	3.501361535
724475.5	3949262	43080	05/12/2011	120112	cpm	5.247292762
724476.4	3949262	48180	05/12/2011	120113	cpm	8.476980559
724477.3	3949262	44587	05/12/2011	120114	cpm	6.201633842
724477.4	3949262	42197	05/12/2011	120115	cpm	4.688113482
724477.3	3949262	43429	05/12/2011	120116	cpm	5.468304731
724477.3	3949262	40047	05/12/2011	120117	cpm	3.326578431
724477.3	3949262	39448	05/12/2011	120118	cpm	2.947248433
724477.3	3949262	40852	05/12/2011	120119	cpm	3.836362485
724477.3	3949262	38353	05/12/2011	120120	cpm	2.253815465
724477.3	3949262	41388	05/12/2011	120121	cpm	4.17579634
724477.3	3949262	37557	05/12/2011	120122	cpm	1.749730859
724477.3	3949262	37649	05/12/2011	120123	cpm	1.807991894
724477.3	3949262	35422	05/12/2011	120124	cpm	0.397694889
724477.3	3949262	38045	05/12/2011	120126	cpm	2.058767652
724477.5	3949262	36451	05/12/2011	120127	cpm	1.049331898
724477.5	3949262	37312	05/12/2011	120128	cpm	1.594579191
724477.5	3949262	38428	05/12/2011	120129	cpm	2.301310873
724477.5	3949262	37987	05/12/2011	120130	cpm	2.02203787
724477.6	3949262	37606	05/12/2011	120131	cpm	1.780761193
724477.5	3949262	38591	05/12/2011	120132	cpm	2.404534228
724477.5	3949262	40608	05/12/2011	120133	cpm	3.681844088
724477.5	3949262	39042	05/12/2011	120134	cpm	2.690139953
724477.5	3949262	42610	05/12/2011	120135	cpm	4.949654867
724477.5	3949262	40080	05/12/2011	120136	cpm	3.347476411
724477.5	3949262	42090	05/12/2011	120137	cpm	4.620353366
724477.5	3949262	40582	05/12/2011	120138	cpm	3.665379013
724477.5	3949262	40205	05/12/2011	120139	cpm	3.426635425
724477.5	3949262	41611	05/12/2011	120140	cpm	4.317016022
724477.5	3949262	41452	05/12/2011	120141	cpm	4.216325755
724477.5	3949262	43213	05/12/2011	120142	cpm	5.331517953
724477.5	3949262	38313	05/12/2011	120144	cpm	2.22848458
724477.5	3949262	36848	05/12/2011	120145	cpm	1.300740928
724477.5	3949262	37622	05/12/2011	120146	cpm	1.790893547
724477.5	3949262	41595	05/12/2011	120147	cpm	4.306883668
724477.5	3949262	39198	05/12/2011	120148	cpm	2.788930403
724477.5	3949262	37129	05/12/2011	120149	cpm	1.478690393
724477.5	3949262	39702	05/12/2011	120150	cpm	3.10809955
724477.5	3949262	41035	05/12/2011	120151	cpm	3.952251282

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724477.5	3949262	41279	05/12/2011	120152	cpm	4.106769679
724477.5	3949262	39659	05/12/2011	120153	cpm	3.080868849
724477.5	3949262	38535	05/12/2011	120154	cpm	2.36907099
724477.5	3949262	37473	05/12/2011	120155	cpm	1.696536002
724477.5	3949262	41087	05/12/2011	120156	cpm	3.985181432
724477.4	3949262	43045	05/12/2011	120158	cpm	5.225128238
724477.4	3949262	38622	05/12/2011	120200	cpm	2.424165664
724477.4	3949262	39955	05/12/2011	120201	cpm	3.268317396
724477.4	3949262	40469	05/12/2011	120202	cpm	3.593819264
724477.4	3949262	42247	05/12/2011	120203	cpm	4.719777088
724477.4	3949262	39001	05/12/2011	120204	cpm	2.664175796
724477.6	3949262	39090	05/12/2011	120206	cpm	2.720537015
724477.6	3949261	38122	05/12/2011	120207	cpm	2.107529605
724476.8	3949261	45500	05/12/2011	120208	cpm	6.779811285
724475.8	3949260	44615	05/12/2011	120209	cpm	6.219365461
724474.9	3949259	41183	05/12/2011	120210	cpm	4.045975556
724474.5	3949258	38586	05/12/2011	120211	cpm	2.401367868
724474.5	3949257	40696	05/12/2011	120212	cpm	3.737572035
724474.6	3949255	35674	05/12/2011	120213	cpm	0.557279463
724474.5	3949254	36428	05/12/2011	120214	cpm	1.034766639
724474.5	3949253	35627	05/12/2011	120215	cpm	0.527515673
724474.3	3949252	37646	05/12/2011	120216	cpm	1.806092078
724474.2	3949251	36801	05/12/2011	120217	cpm	1.270977139
724474.3	3949250	38705	05/12/2011	120218	cpm	2.47672725
724474.5	3949247	36229	05/12/2011	120220	cpm	0.908745488
724474.5	3949246	38067	05/12/2011	120221	cpm	2.072699639
724474.4	3949245	37297	05/12/2011	120222	cpm	1.585080109
724474.3	3949244	38124	05/12/2011	120223	cpm	2.10879615
724474.1	3949242	39951	05/12/2011	120224	cpm	3.265784308
724473.9	3949241	40677	05/12/2011	120225	cpm	3.725539864
724473.8	3949240	43259	05/12/2011	120226	cpm	5.360648471
724473.6	3949238	41745	05/12/2011	120228	cpm	4.401874485
724473.3	3949237	44876	05/12/2011	120229	cpm	6.384649484
724473.1	3949236	45719	05/12/2011	120230	cpm	6.918497879
724473.2	3949235	48899	05/12/2011	120231	cpm	8.932303211
724473.4	3949234	49785	05/12/2011	120232	cpm	9.493382306
724473.4	3949233	49976	05/12/2011	120233	cpm	9.614337281
724473.3	3949232	53654	05/12/2011	120234	cpm	11.94351213
724473.4	3949232	63063	05/12/2011	120235	cpm	17.90196948
724473.5	3949230	94683	05/12/2011	120236	cpm	37.92603382
724473.7	3949229	78121	05/12/2011	120237	cpm	27.43778101
724474.2	3949229	66660	05/12/2011	120238	cpm	20.17984928

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724474.4	3949229	60735	05/12/2011	120239	cpm	16.42771199
724474.6	3949229	55653	05/12/2011	120240	cpm	13.20942309
724474.4	3949228	54743	05/12/2011	120241	cpm	12.63314546
724474.3	3949228	51246	05/12/2011	120242	cpm	10.41859287
724473.9	3949229	53701	05/12/2011	120244	cpm	11.97327592
724473.3	3949230	62595	05/12/2011	120245	cpm	17.60559813
724472.9	3949231	73398	05/12/2011	120246	cpm	24.44683681
724472.6	3949232	63319	05/12/2011	120247	cpm	18.06408714
724472.2	3949233	52430	05/12/2011	120248	cpm	11.16838706
724472.1	3949234	52497	05/12/2011	120249	cpm	11.21081629
724472.1	3949235	51254	05/12/2011	120250	cpm	10.42365905
724471.9	3949235	52563	05/12/2011	120251	cpm	11.25261225
724472	3949235	56227	05/12/2011	120252	cpm	13.57292128
724472.2	3949235	52757	05/12/2011	120253	cpm	11.37546704
724472.9	3949235	53479	05/12/2011	120254	cpm	11.83268951
724473.1	3949235	56869	05/12/2011	120255	cpm	13.97948198
724473.3	3949235	55587	05/12/2011	120256	cpm	13.16762713
724474.2	3949235	50617	05/12/2011	120257	cpm	10.02026471
724476.8	3949236	51204	05/12/2011	120259	cpm	10.39199544
724478.1	3949236	51531	05/12/2011	120300	cpm	10.59907542
724479.3	3949236	51942	05/12/2011	120301	cpm	10.85935026
724480.5	3949236	50845	05/12/2011	120302	cpm	10.16465075
724481.8	3949237	50331	05/12/2011	120303	cpm	9.839148882
724483.1	3949237	45342	05/12/2011	120304	cpm	6.67975429
724484.4	3949237	47871	05/12/2011	120305	cpm	8.281299474
724485.8	3949237	43694	05/12/2011	120306	cpm	5.636121842
724487.1	3949237	66483	05/12/2011	120307	cpm	20.06776012
724488.4	3949237	55102	05/12/2011	120308	cpm	12.86049015
724489.8	3949237	44915	05/12/2011	120309	cpm	6.409347096
724491.1	3949237	39339	05/12/2011	120310	cpm	2.878221772
724492.5	3949237	37374	05/12/2011	120311	cpm	1.633842062
724493.8	3949237	42553	05/12/2011	120312	cpm	4.913558356
724494.8	3949237	40968	05/12/2011	120313	cpm	3.909822051
724496.1	3949237	42222	05/12/2011	120314	cpm	4.703945285
724498.6	3949237	44905	05/12/2011	120316	cpm	6.403014375
724499.9	3949237	44616	05/12/2011	120317	cpm	6.219998733
724501.1	3949237	42474	05/12/2011	120318	cpm	4.863529859
724502.3	3949237	41308	05/12/2011	120319	cpm	4.12513457
724503.5	3949236	40687	05/12/2011	120320	cpm	3.731872586
724504.4	3949236	37831	05/12/2011	120321	cpm	1.923247419
724505.1	3949237	39247	05/12/2011	120322	cpm	2.819960737
724505.9	3949236	39812	05/12/2011	120323	cpm	3.177759483

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724506.6	3949236	37853	05/12/2011	120324	cpm	1.937179406
724506.6	3949236	36523	05/12/2011	120325	cpm	1.09492749
724506.5	3949236	37870	05/12/2011	120326	cpm	1.947945032
724506.5	3949236	40309	05/12/2011	120328	cpm	3.492495725
724506.5	3949236	37167	05/12/2011	120329	cpm	1.502754734
724506.9	3949237	39382	05/12/2011	120330	cpm	2.905452473
724507.7	3949237	39755	05/12/2011	120331	cpm	3.141662973
724508.5	3949238	38918	05/12/2011	120332	cpm	2.611614211
724509.4	3949238	41769	05/12/2011	120333	cpm	4.417073016
724511	3949240	39512	05/12/2011	120335	cpm	2.987777848
724511.5	3949241	41378	05/12/2011	120336	cpm	4.169463619
724511.8	3949241	39954	05/12/2011	120337	cpm	3.267684124
724512.1	3949241	38218	05/12/2011	120338	cpm	2.168323729
724512	3949241	38654	05/12/2011	120339	cpm	2.444430372
724512	3949241	36753	05/12/2011	120340	cpm	1.240580077
724512.2	3949242	34268	05/12/2011	120341	cpm	-0.333101134
724512.1	3949242	40331	05/12/2011	120342	cpm	3.506427712
724512.8	3949240	38813	05/12/2011	120344	cpm	2.545120638
724513.4	3949239	35713	05/12/2011	120345	cpm	0.581977076
724513.9	3949237	39348	05/12/2011	120346	cpm	2.883921221
724514.2	3949236	40587	05/12/2011	120347	cpm	3.668545374
724514.5	3949235	35886	05/12/2011	120348	cpm	0.691533152
724515.1	3949234	37021	05/12/2011	120350	cpm	1.410297005
724514.8	3949234	35775	05/12/2011	120351	cpm	0.621239947
724514.4	3949234	32613	05/12/2011	120352	cpm	-1.381166487
724514.4	3949234	38033	05/12/2011	120353	cpm	2.051168387
724514.5	3949234	35728	05/12/2011	120354	cpm	0.591476157
724514.5	3949234	36232	05/12/2011	120355	cpm	0.910645304
724514.5	3949234	34408	05/12/2011	120356	cpm	-0.244443037
724514.5	3949234	38482	05/12/2011	120357	cpm	2.335507568
724514.5	3949234	37190	05/12/2011	120358	cpm	1.517319992
724514.5	3949234	38009	05/12/2011	120400	cpm	2.035969856
724513.7	3949235	39433	05/12/2011	120402	cpm	2.937749351
724513.1	3949235	39498	05/12/2011	120403	cpm	2.978912039
724512.4	3949236	38584	05/12/2011	120404	cpm	2.400101324
724511.8	3949237	36616	05/12/2011	120405	cpm	1.153821797
724511.4	3949237	36844	05/12/2011	120406	cpm	1.29820784
724511.4	3949237	35791	05/12/2011	120408	cpm	0.631372301
724511.5	3949237	34657	05/12/2011	120409	cpm	-0.08675828
724511.3	3949237	37374	05/12/2011	120410	cpm	1.633842062
724511.3	3949237	37603	05/12/2011	120411	cpm	1.778861377
724510.9	3949237	36251	05/12/2011	120412	cpm	0.922677475



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

						Estimated Ra-226 concentration pCi/g)
X	Y	RESULTS	DATE	TIME	UNITS	$y = 1579.1x + 34794$
724510	3949237	36032	05/12/2011	120413	cpm	0.783990881
724509.1	3949236	38258	05/12/2011	120414	cpm	2.193654613
724508.2	3949235	35724	05/12/2011	120415	cpm	0.588943069
724507.2	3949235	39651	05/12/2011	120416	cpm	3.075802672
724506.2	3949234	38322	05/12/2011	120417	cpm	2.234184029
724505.2	3949234	38852	05/12/2011	120418	cpm	2.569818251
724504.3	3949233	41213	05/12/2011	120419	cpm	4.064973719
724503.3	3949232	38983	05/12/2011	120420	cpm	2.652776898
724502.3	3949232	40376	05/12/2011	120421	cpm	3.534924957
724501.3	3949231	55904	05/12/2011	120422	cpm	13.36837439
724500.4	3949230	61796	05/12/2011	120423	cpm	17.0996137
724498.6	3949229	61649	05/12/2011	120425	cpm	17.0065227
724498.1	3949229	64432	05/12/2011	120426	cpm	18.768919
724498	3949229	65248	05/12/2011	120427	cpm	19.28566905
724497.6	3949229	61072	05/12/2011	120428	cpm	16.64112469
724496.6	3949229	63928	05/12/2011	120429	cpm	18.44974986
724495.6	3949229	80242	05/12/2011	120430	cpm	28.78095117
724494.8	3949229	86000	05/12/2011	120431	cpm	32.42733202
724494	3949229	83810	05/12/2011	120432	cpm	31.04046609
724493	3949229	117492	05/12/2011	120433	cpm	52.37033753
724492	3949229	78795	05/12/2011	120434	cpm	27.86460642
724490.1	3949229	62389	05/12/2011	120436	cpm	17.47514407
724489.1	3949228	54207	05/12/2011	120437	cpm	12.29371161
724488	3949228	53452	05/12/2011	120438	cpm	11.81559116
724487	3949228	56533	05/12/2011	120439	cpm	13.76670255
724485.9	3949228	61473	05/12/2011	120440	cpm	16.89506681
724484.7	3949228	60788	05/12/2011	120441	cpm	16.46127541
724483.6	3949228	62087	05/12/2011	120442	cpm	17.28389589
724481.8	3949228	66881	05/12/2011	120444	cpm	20.31980242
724480.9	3949228	72400	05/12/2011	120445	cpm	23.81483123
724479.8	3949228	62320	05/12/2011	120446	cpm	17.43144829
724478.8	3949228	60680	05/12/2011	120447	cpm	16.39288202
724477.9	3949228	62770	05/12/2011	120448	cpm	17.71642075
724476.9	3949228	60902	05/12/2011	120449	cpm	16.53346843
724476	3949228	72405	05/12/2011	120450	cpm	23.81799759
724475	3949228	61091	05/12/2011	120451	cpm	16.65315686
724474	3949229	64635	05/12/2011	120452	cpm	18.89747324
724472	3949229	63147	05/12/2011	120454	cpm	17.95516433
724470	3949229	43764	05/12/2011	120456	cpm	5.68045089
724469.1	3949229	42051	05/12/2011	120457	cpm	4.595655753
724468.3	3949228	41562	05/12/2011	120458	cpm	4.285985688
724467.6	3949228	39370	05/12/2011	120459	cpm	2.897853208

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724467.5	3949228	40802	05/12/2011	120500	cpm	3.804698879
724467.6	3949228	39930	05/12/2011	120501	cpm	3.252485593
724467.6	3949228	41122	05/12/2011	120502	cpm	4.007345957
724466.7	3949226	42320	05/12/2011	120504	cpm	4.766005953
724466.4	3949225	39320	05/12/2011	120505	cpm	2.866189602
724466.2	3949224	44240	05/12/2011	120506	cpm	5.981888417
724465.9	3949223	42350	05/12/2011	120507	cpm	4.785004116
724466	3949222	38967	05/12/2011	120508	cpm	2.642644544
724466.4	3949221	39262	05/12/2011	120509	cpm	2.829459819
724467.5	3949221	43895	05/12/2011	120510	cpm	5.763409537
724470	3949221	47377	05/12/2011	120512	cpm	7.968463049
724470.8	3949219	50323	05/12/2011	120514	cpm	9.834082705
724470.8	3949218	47051	05/12/2011	120515	cpm	7.762016338
724470.8	3949217	44072	05/12/2011	120516	cpm	5.875498702
724470.8	3949215	44258	05/12/2011	120517	cpm	5.993287316
724470.6	3949214	44784	05/12/2011	120518	cpm	6.326388449
724470.3	3949213	47466	05/12/2011	120519	cpm	8.024824267
724470.1	3949212	41446	05/12/2011	120520	cpm	4.212526122
724470.1	3949210	40211	05/12/2011	120522	cpm	3.430435058
724469.7	3949210	40773	05/12/2011	120523	cpm	3.786333988
724468.6	3949209	42503	05/12/2011	120524	cpm	4.88189475
724467.3	3949209	39725	05/12/2011	120525	cpm	3.122664809
724466	3949209	36571	05/12/2011	120526	cpm	1.125324552
724464.9	3949209	37522	05/12/2011	120527	cpm	1.727566335
724464	3949209	38720	05/12/2011	120528	cpm	2.486226331
724463.4	3949209	38270	05/12/2011	120529	cpm	2.201253879
724463.3	3949209	38697	05/12/2011	120530	cpm	2.471661073
724463.4	3949209	36771	05/12/2011	120532	cpm	1.251978975
724463.9	3949208	38673	05/12/2011	120534	cpm	2.456462542
724463.4	3949209	37568	05/12/2011	120535	cpm	1.756696853
724463.6	3949208	37922	05/12/2011	120536	cpm	1.980875182
724463.6	3949208	40200	05/12/2011	120537	cpm	3.423469065
724463.5	3949209	40770	05/12/2011	120538	cpm	3.784434171
724463.4	3949209	38212	05/12/2011	120539	cpm	2.164524096
724463.4	3949209	41773	05/12/2011	120541	cpm	4.419606105
724463.4	3949209	38373	05/12/2011	120542	cpm	2.266480907
724463.4	3949209	41363	05/12/2011	120543	cpm	4.159964537
724463.8	3949209	36890	05/12/2011	120544	cpm	1.327338357
724464.8	3949209	37182	05/12/2011	120545	cpm	1.512253815
724465.3	3949209	44125	05/12/2011	120546	cpm	5.909062124
724465.4	3949209	42081	05/12/2011	120547	cpm	4.614653917
724465.4	3949209	33440	05/12/2011	120548	cpm	-0.857450446

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724465.4	3949209	35442	05/12/2011	120550	cpm	0.410360332
724466.2	3949209	36010	05/12/2011	120551	cpm	0.770058894
724467.2	3949210	36962	05/12/2011	120552	cpm	1.37293395
724468.4	3949210	39390	05/12/2011	120553	cpm	2.91051865
724469.6	3949210	36547	05/12/2011	120554	cpm	1.110126021
724470.7	3949211	39407	05/12/2011	120555	cpm	2.921284276
724471.9	3949212	39101	05/12/2011	120556	cpm	2.727503008
724474.4	3949212	38575	05/12/2011	120558	cpm	2.394401874
724475.7	3949213	38414	05/12/2011	120559	cpm	2.292445064
724476.9	3949213	38973	05/12/2011	120600	cpm	2.646444177
724478.2	3949214	37433	05/12/2011	120601	cpm	1.671205117
724479.5	3949214	39358	05/12/2011	120602	cpm	2.890253942
724480.6	3949215	37889	05/12/2011	120603	cpm	1.959977202
724481.9	3949215	40732	05/12/2011	120604	cpm	3.760369831
724483.2	3949215	44923	05/12/2011	120605	cpm	6.414413273
724484.5	3949216	54737	05/12/2011	120606	cpm	12.62934583
724487	3949217	106418	05/12/2011	120608	cpm	45.35748211
724488.3	3949217	97284	05/12/2011	120609	cpm	39.57317459
724489.6	3949218	71181	05/12/2011	120610	cpm	23.04287252
724490.9	3949218	60245	05/12/2011	120611	cpm	16.11740865
724492.2	3949219	81151	05/12/2011	120612	cpm	29.35659553
724493.5	3949219	126577	05/12/2011	120613	cpm	58.12361472
724495.9	3949220	107544	05/12/2011	120615	cpm	46.07054651
724497.3	3949220	113766	05/12/2011	120616	cpm	50.01076563
724498.6	3949221	92311	05/12/2011	120617	cpm	36.42391236
724499.8	3949221	72637	05/12/2011	120618	cpm	23.96491672
724501.1	3949221	62469	05/12/2011	120619	cpm	17.52580584
724502.3	3949222	53927	05/12/2011	120620	cpm	12.11639542
724503.3	3949223	58061	05/12/2011	120621	cpm	14.73434235
724504.6	3949223	71605	05/12/2011	120622	cpm	23.3113799
724505.8	3949223	59241	05/12/2011	120623	cpm	15.48160345
724507	3949223	45800	05/12/2011	120624	cpm	6.96979292
724509.5	3949224	41105	05/12/2011	120626	cpm	3.996580331
724510.7	3949225	44656	05/12/2011	120627	cpm	6.245329618
724512	3949225	38944	05/12/2011	120628	cpm	2.628079286
724513.2	3949225	37816	05/12/2011	120629	cpm	1.913748338
724514.5	3949226	36784	05/12/2011	120630	cpm	1.260211513
724515.8	3949226	40846	05/12/2011	120631	cpm	3.832562852
724517	3949227	35441	05/12/2011	120632	cpm	0.40972706
724519.5	3949227	35050	05/12/2011	120634	cpm	0.162117662
724520.8	3949228	34382	05/12/2011	120635	cpm	-0.260908112
724522.1	3949228	36375	05/12/2011	120636	cpm	1.001203217

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724523.5	3949229	34623	05/12/2011	120637	cpm	-0.108289532
724524.8	3949229	35176	05/12/2011	120638	cpm	0.241909949
724526.1	3949229	34834	05/12/2011	120639	cpm	0.025330885
724527.4	3949230	39668	05/12/2011	120640	cpm	3.086568298
724528.7	3949230	32927	05/12/2011	120641	cpm	-1.182319042
724529.7	3949230	33633	05/12/2011	120642	cpm	-0.735228928
724531	3949231	36398	05/12/2011	120643	cpm	1.015768476
724532.3	3949231	39579	05/12/2011	120644	cpm	3.03020708
724533.7	3949232	36685	05/12/2011	120645	cpm	1.197517573
724534.9	3949232	37821	05/12/2011	120646	cpm	1.916914698
724536.1	3949233	35435	05/12/2011	120647	cpm	0.405927427
724537.3	3949233	37358	05/12/2011	120648	cpm	1.623709708
724539.9	3949234	33849	05/12/2011	120650	cpm	-0.598442151
724541.2	3949234	34382	05/12/2011	120651	cpm	-0.260908112
724542.5	3949235	34245	05/12/2011	120652	cpm	-0.347666392
724543.8	3949235	33521	05/12/2011	120653	cpm	-0.806155405
724545.2	3949236	31450	05/12/2011	120654	cpm	-2.117661959
724546.4	3949236	35912	05/12/2011	120655	cpm	0.707998227
724547.7	3949236	36338	05/12/2011	120656	cpm	0.977772149
724549	3949237	34434	05/12/2011	120657	cpm	-0.227977962
724550.2	3949237	34672	05/12/2011	120658	cpm	-0.077259198
724551.4	3949238	33028	05/12/2011	120659	cpm	-1.118358559
724552.6	3949238	31807	05/12/2011	120700	cpm	-1.891583814
724553.8	3949239	30751	05/12/2011	120701	cpm	-2.560319169
724555	3949239	35137	05/12/2011	120702	cpm	0.217212336
724556.2	3949240	38664	05/12/2011	120703	cpm	2.450763093
724557.4	3949240	37056	05/12/2011	120704	cpm	1.432461529
724559.8	3949241	31974	05/12/2011	120706	cpm	-1.78582737
724561	3949241	34813	05/12/2011	120707	cpm	0.01203217
724561.9	3949242	31473	05/12/2011	120708	cpm	-2.103096701
724562.9	3949242	33278	05/12/2011	120709	cpm	-0.960040529
724564	3949242	32919	05/12/2011	120710	cpm	-1.187385219
724565.2	3949243	32770	05/12/2011	120711	cpm	-1.281742765
724566.4	3949243	32162	05/12/2011	120712	cpm	-1.666772212
724567.6	3949244	31140	05/12/2011	120713	cpm	-2.313976316
724568.8	3949244	34203	05/12/2011	120714	cpm	-0.374263821
724569.9	3949244	31171	05/12/2011	120715	cpm	-2.29434488
724571.1	3949244	32422	05/12/2011	120716	cpm	-1.502121462
724571.5	3949244	33125	05/12/2011	120717	cpm	-1.056931163
724571.8	3949243	32251	05/12/2011	120718	cpm	-1.610410994
724572	3949242	30502	05/12/2011	120719	cpm	-2.718003926
724572	3949240	32405	05/12/2011	120721	cpm	-1.512887088

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724571.9	3949240	30511	05/12/2011	120722	cpm	-2.712304477
724571.9	3949240	30097	05/12/2011	120723	cpm	-2.974479134
724572	3949240	31494	05/12/2011	120724	cpm	-2.089797986
724572	3949240	32803	05/12/2011	120725	cpm	-1.260844785
724572	3949240	30100	05/12/2011	120726	cpm	-2.972579317
724572	3949240	33141	05/12/2011	120728	cpm	-1.046798809
724571.9	3949240	32015	05/12/2011	120729	cpm	-1.759863213
724571.9	3949240	29423	05/12/2011	120730	cpm	-3.401304541
724571.9	3949240	32916	05/12/2011	120731	cpm	-1.189285036
724571.9	3949240	29799	05/12/2011	120732	cpm	-3.163194225
724571.9	3949240	29619	05/12/2011	120733	cpm	-3.277183206
724571.9	3949240	29305	05/12/2011	120735	cpm	-3.47603065
724571.9	3949240	30546	05/12/2011	120736	cpm	-2.690139953
724571.9	3949240	30046	05/12/2011	120737	cpm	-3.006776012
724571.9	3949240	29771	05/12/2011	120738	cpm	-3.180925844
724571.9	3949240	30093	05/12/2011	120739	cpm	-2.977012222
724571.9	3949240	35423	05/12/2011	120740	cpm	0.398328162
724571.9	3949240	32105	05/12/2011	120741	cpm	-1.702868723
724571.9	3949240	31211	05/12/2011	120742	cpm	-2.269013995
724571.9	3949240	33585	05/12/2011	120744	cpm	-0.765625989
724571.9	3949240	30686	05/12/2011	120745	cpm	-2.601481857
724571.9	3949240	32031	05/12/2011	120746	cpm	-1.749730859
724571.9	3949240	32308	05/12/2011	120747	cpm	-1.574314483
724571.9	3949240	32947	05/12/2011	120748	cpm	-1.1696536
724571.9	3949240	31846	05/12/2011	120749	cpm	-1.866886201
724571.9	3949240	31661	05/12/2011	120751	cpm	-1.984041543
724572	3949240	31645	05/12/2011	120752	cpm	-1.994173897
724572	3949240	30771	05/12/2011	120753	cpm	-2.547653727
724572.1	3949240	30552	05/12/2011	120754	cpm	-2.68634032
724572.1	3949240	29178	05/12/2011	120755	cpm	-3.556456209
724572.1	3949240	33316	05/12/2011	120756	cpm	-0.935976189
724572.1	3949240	30364	05/12/2011	120758	cpm	-2.805395478
724572.2	3949240	27961	05/12/2011	120759	cpm	-4.327148376
724572.2	3949240	31830	05/12/2011	120800	cpm	-1.877018555
724572.2	3949240	31147	05/12/2011	120801	cpm	-2.309543411
724571.9	3949240	33707	05/12/2011	120802	cpm	-0.688366791
724571	3949239	35276	05/12/2011	120803	cpm	0.30523716
724568.7	3949238	32549	05/12/2011	120805	cpm	-1.421695903
724567.4	3949238	32467	05/12/2011	120806	cpm	-1.473624216
724566.1	3949238	31996	05/12/2011	120807	cpm	-1.771895383
724564.8	3949237	32959	05/12/2011	120808	cpm	-1.162054335
724563.6	3949237	33259	05/12/2011	120809	cpm	-0.9720727

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724562.3	3949236	32735	05/12/2011	120810	cpm	-1.303907289
724561	3949236	35393	05/12/2011	120811	cpm	0.379329998
724559.6	3949236	32698	05/12/2011	120812	cpm	-1.327338357
724558.2	3949235	32744	05/12/2011	120813	cpm	-1.29820784
724556.9	3949235	35361	05/12/2011	120814	cpm	0.35906529
724555.6	3949235	34490	05/12/2011	120815	cpm	-0.192514724
724554.4	3949234	33042	05/12/2011	120816	cpm	-1.109492749
724553.1	3949234	31630	05/12/2011	120817	cpm	-2.003672978
724551.9	3949234	32537	05/12/2011	120818	cpm	-1.429295168
724550.6	3949234	34924	05/12/2011	120819	cpm	0.082325375
724549.4	3949233	31531	05/12/2011	120820	cpm	-2.066366918
724548	3949233	31972	05/12/2011	120821	cpm	-1.787093914
724546.7	3949233	33493	05/12/2011	120822	cpm	-0.823887024
724543.9	3949233	33093	05/12/2011	120824	cpm	-1.077195871
724542.5	3949232	36923	05/12/2011	120825	cpm	1.348236337
724541.2	3949232	34460	05/12/2011	120826	cpm	-0.211512887
724540.5	3949232	32015	05/12/2011	120827	cpm	-1.759863213
724540.3	3949232	30053	05/12/2011	120828	cpm	-3.002343107
724540.3	3949232	32263	05/12/2011	120829	cpm	-1.602811728
724540.3	3949232	31406	05/12/2011	120830	cpm	-2.145525932
724540.3	3949232	36441	05/12/2011	120831	cpm	1.042999177
724540.3	3949232	34490	05/12/2011	120832	cpm	-0.192514724
724540.3	3949232	29502	05/12/2011	120833	cpm	-3.351276043
724540.4	3949232	32346	05/12/2011	120834	cpm	-1.550250142
724540.4	3949232	34816	05/12/2011	120835	cpm	0.013931987
724540.4	3949232	34714	05/12/2011	120836	cpm	-0.050661769
724540.3	3949232	33848	05/12/2011	120837	cpm	-0.599075423
724540.3	3949232	30422	05/12/2011	120838	cpm	-2.768665696
724540.3	3949231	33435	05/12/2011	120840	cpm	-0.860616807
724540.3	3949231	34248	05/12/2011	120841	cpm	-0.345766576
724540.4	3949231	31962	05/12/2011	120842	cpm	-1.793426635
724540.4	3949231	34570	05/12/2011	120843	cpm	-0.141852954
724540.5	3949231	35582	05/12/2011	120844	cpm	0.499018428
724540.4	3949231	32415	05/12/2011	120845	cpm	-1.506554366
724540.3	3949231	33833	05/12/2011	120846	cpm	-0.608574504
724540	3949231	39718	05/12/2011	120847	cpm	3.118231904
724539.2	3949230	37979	05/12/2011	120848	cpm	2.016971693
724538.1	3949230	35565	05/12/2011	120849	cpm	0.488252802
724537	3949229	35621	05/12/2011	120850	cpm	0.523716041
724534.6	3949228	37165	05/12/2011	120852	cpm	1.501488189
724533.4	3949228	34941	05/12/2011	120853	cpm	0.093091001
724532.1	3949227	35345	05/12/2011	120854	cpm	0.348932936

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						Estimated Ra-226 concentration pCi/g)
X	Y	RESULTS	DATE	TIME	UNITS	$y = 1579.1x + 34794$
724531	3949227	34006	05/12/2011	120855	cpm	-0.499018428
724529.9	3949226	33581	05/12/2011	120856	cpm	-0.768159078
724528.9	3949226	32395	05/12/2011	120857	cpm	-1.519219809
724527.7	3949225	35069	05/12/2011	120858	cpm	0.174149832
724526.5	3949225	34867	05/12/2011	120859	cpm	0.046228865
724525.3	3949224	33916	05/12/2011	120900	cpm	-0.556012919
724524.1	3949224	38659	05/12/2011	120901	cpm	2.447596732
724522.9	3949223	36724	05/12/2011	120902	cpm	1.222215186
724521.7	3949223	37621	05/12/2011	120903	cpm	1.790260275
724520.5	3949222	38835	05/12/2011	120904	cpm	2.559052625
724518.1	3949221	36738	05/12/2011	120906	cpm	1.231080996
724516.9	3949221	37324	05/12/2011	120907	cpm	1.602178456
724515.8	3949220	40261	05/12/2011	120908	cpm	3.462098664
724514.6	3949220	34905	05/12/2011	120909	cpm	0.070293205
724513.4	3949219	34616	05/12/2011	120910	cpm	-0.112722437
724512.2	3949219	31004	05/12/2011	120911	cpm	-2.400101324
724510.9	3949218	38920	05/12/2011	120912	cpm	2.612880755
724509.6	3949218	34690	05/12/2011	120913	cpm	-0.0658603
724508.5	3949217	33092	05/12/2011	120914	cpm	-1.077829143
724507.3	3949217	35123	05/12/2011	120915	cpm	0.208346527
724506.1	3949216	34370	05/12/2011	120916	cpm	-0.268507378
724505	3949216	38532	05/12/2011	120917	cpm	2.367171173
724503.5	3949216	44163	05/12/2011	120919	cpm	5.933126464
724502.5	3949216	51750	05/12/2011	120920	cpm	10.73776202
724501.4	3949216	57997	05/12/2011	120921	cpm	14.69381293
724500.2	3949216	93759	05/12/2011	120922	cpm	37.34089038
724498.9	3949216	151720	05/12/2011	120923	cpm	74.04597556
724497.8	3949216	110590	05/12/2011	120924	cpm	47.99949338
724496.6	3949216	63797	05/12/2011	120925	cpm	18.36679121
724496.3	3949216	44337	05/12/2011	120926	cpm	6.043315813
724496.5	3949216	40514	05/12/2011	120927	cpm	3.622316509
724496.5	3949216	41418	05/12/2011	120928	cpm	4.194794503
724496.4	3949216	42394	05/12/2011	120929	cpm	4.812868089
724495.9	3949215	39428	05/12/2011	120930	cpm	2.93458299
724495.3	3949215	40307	05/12/2011	120931	cpm	3.491229181
724495.3	3949215	39926	05/12/2011	120932	cpm	3.249952505
724495.1	3949215	41271	05/12/2011	120933	cpm	4.101703502
724493.2	3949214	44068	05/12/2011	120935	cpm	5.872965613
724492	3949214	48007	05/12/2011	120936	cpm	8.367424482
724490.9	3949214	56011	05/12/2011	120937	cpm	13.43613451
724489.7	3949213	50662	05/12/2011	120938	cpm	10.04876195
724488.5	3949213	55835	05/12/2011	120939	cpm	13.32467861

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724487.4	3949213	55599	05/12/2011	120940	cpm	13.17522639
724486.2	3949213	46089	05/12/2011	120941	cpm	7.152808562
724485	3949213	51570	05/12/2011	120942	cpm	10.62377304
724482.6	3949213	47293	05/12/2011	120944	cpm	7.915268191
724481.4	3949213	43113	05/12/2011	120945	cpm	5.268190742
724480.3	3949213	36398	05/12/2011	120946	cpm	1.015768476
724479.1	3949212	40899	05/12/2011	120947	cpm	3.866126274
724478	3949212	38785	05/12/2011	120948	cpm	2.527389019
724477	3949212	40866	05/12/2011	120949	cpm	3.845228295
724476	3949212	40036	05/12/2011	120950	cpm	3.319612437
724474	3949211	39499	05/12/2011	120952	cpm	2.979545311
724473	3949210	39544	05/12/2011	120953	cpm	3.008042556
724471.9	3949209	39226	05/12/2011	120954	cpm	2.806662023
724470.7	3949209	40016	05/12/2011	120955	cpm	3.306946995
724469.5	3949209	39674	05/12/2011	120956	cpm	3.090367931
724468.5	3949208	40357	05/12/2011	120957	cpm	3.522892787
724467.7	3949207	38224	05/12/2011	120958	cpm	2.172123361
724467	3949207	36916	05/12/2011	120959	cpm	1.343803432
724466.2	3949206	39769	05/12/2011	121000	cpm	3.150528782
724465.4	3949206	37302	05/12/2011	121001	cpm	1.58824647
724464.7	3949206	36816	05/12/2011	121002	cpm	1.280476221
724464.1	3949205	34374	05/12/2011	121003	cpm	-0.265974289
724463.4	3949205	31333	05/12/2011	121004	cpm	-2.191754797
724463.2	3949205	29433	05/12/2011	121005	cpm	-3.394971819
724463.4	3949205	32138	05/12/2011	121006	cpm	-1.681970743
724463.3	3949206	31074	05/12/2011	121007	cpm	-2.355772275
724463.1	3949205	28378	05/12/2011	121008	cpm	-4.063073903
724462.9	3949205	29834	05/12/2011	121010	cpm	-3.1410297
724462.5	3949205	29238	05/12/2011	121011	cpm	-3.518459882
724462.2	3949205	28189	05/12/2011	121012	cpm	-4.182762333
724462.5	3949205	27837	05/12/2011	121013	cpm	-4.405674118
724462	3949205	29339	05/12/2011	121014	cpm	-3.454499398
724461.5	3949206	30495	05/12/2011	121015	cpm	-2.722436831
724461.7	3949206	28770	05/12/2011	121016	cpm	-3.814831233
724461.9	3949206	31093	05/12/2011	121018	cpm	-2.343740105
724462	3949206	30273	05/12/2011	121019	cpm	-2.863023241
724461.8	3949206	33518	05/12/2011	121020	cpm	-0.808055221
724461.8	3949205	33219	05/12/2011	121021	cpm	-0.997403584
724461.8	3949206	30865	05/12/2011	121022	cpm	-2.488126148
724461.9	3949205	28536	05/12/2011	121023	cpm	-3.963016908
724461.7	3949205	28314	05/12/2011	121025	cpm	-4.103603318
724461.7	3949205	29998	05/12/2011	121026	cpm	-3.037173073



Surface Gamma Scans  
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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724461.7	3949205	28949	05/12/2011	121027	cpm	-3.701475524
724461.9	3949205	29407	05/12/2011	121028	cpm	-3.411436894
724461.9	3949205	27991	05/12/2011	121029	cpm	-4.308150212
724461.8	3949205	28087	05/12/2011	121030	cpm	-4.247356089
724461.8	3949205	29132	05/12/2011	121031	cpm	-3.585586727
724461.8	3949205	31010	05/12/2011	121032	cpm	-2.396301691
724461.2	3949204	32238	05/12/2011	121034	cpm	-1.618643531
724461.1	3949202	29329	05/12/2011	121035	cpm	-3.46083212
724461.1	3949201	32142	05/12/2011	121036	cpm	-1.679437654
724461	3949200	30415	05/12/2011	121037	cpm	-2.7730986
724460.8	3949199	30644	05/12/2011	121038	cpm	-2.628079286
724460.6	3949197	29111	05/12/2011	121039	cpm	-3.598885441
724460.4	3949196	33557	05/12/2011	121040	cpm	-0.783357609
724460.2	3949195	31159	05/12/2011	121041	cpm	-2.301944145
724460	3949194	31819	05/12/2011	121042	cpm	-1.883984548
724459.7	3949191	31325	05/12/2011	121044	cpm	-2.196820974
724459.5	3949190	28021	05/12/2011	121045	cpm	-4.289152049
724459.4	3949189	35415	05/12/2011	121046	cpm	0.393261985
724459.1	3949189	30153	05/12/2011	121047	cpm	-2.939015895
724459.2	3949189	32438	05/12/2011	121048	cpm	-1.491989108
724459.3	3949189	29709	05/12/2011	121049	cpm	-3.220188715
724459.3	3949190	29381	05/12/2011	121050	cpm	-3.427901969
724459.5	3949190	33145	05/12/2011	121051	cpm	-1.044265721
724459.5	3949190	30576	05/12/2011	121052	cpm	-2.67114179
724459.5	3949190	31014	05/12/2011	121053	cpm	-2.393768602
724459.6	3949190	29443	05/12/2011	121055	cpm	-3.388639098
724458.9	3949190	29831	05/12/2011	121056	cpm	-3.142929517
724457.9	3949190	35177	05/12/2011	121057	cpm	0.242543221
724457	3949190	33844	05/12/2011	121058	cpm	-0.601608511
724456.5	3949190	30422	05/12/2011	121059	cpm	-2.768665696
724456.4	3949191	29983	05/12/2011	121100	cpm	-3.046672155
724456.8	3949193	29946	05/12/2011	121102	cpm	-3.070103223
724456.9	3949194	32866	05/12/2011	121103	cpm	-1.220948642
724457	3949195	33476	05/12/2011	121104	cpm	-0.83465265
724457.2	3949197	30389	05/12/2011	121105	cpm	-2.789563676
724457.5	3949198	33367	05/12/2011	121106	cpm	-0.903679311
724457.9	3949199	34861	05/12/2011	121107	cpm	0.042429232
724458	3949202	32235	05/12/2011	121109	cpm	-1.620543347
724458.1	3949203	31248	05/12/2011	121110	cpm	-2.245582927
724458.3	3949205	32382	05/12/2011	121111	cpm	-1.527452346
724458.4	3949206	30265	05/12/2011	121112	cpm	-2.868089418
724458.6	3949207	33636	05/12/2011	121113	cpm	-0.733329112

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724458.9	3949208	34119	05/12/2011	121114	cpm	-0.427458679
724459.2	3949210	35612	05/12/2011	121115	cpm	0.518016592
724459.3	3949211	33473	05/12/2011	121116	cpm	-0.836552467
724459.6	3949212	32608	05/12/2011	121117	cpm	-1.384332848
724459.7	3949214	37912	05/12/2011	121118	cpm	1.974542461
724459.8	3949215	36418	05/12/2011	121119	cpm	1.028433918
724459.9	3949216	38834	05/12/2011	121120	cpm	2.558419353
724460.1	3949218	41898	05/12/2011	121121	cpm	4.498765119
724460.3	3949219	40504	05/12/2011	121122	cpm	3.615983788
724460.7	3949222	37696	05/12/2011	121124	cpm	1.837755684
724460.9	3949223	36994	05/12/2011	121125	cpm	1.393198657
724461	3949224	38408	05/12/2011	121126	cpm	2.288645431
724461.2	3949226	39902	05/12/2011	121127	cpm	3.234753974
724461.4	3949227	38895	05/12/2011	121128	cpm	2.597048952
724461.7	3949228	35943	05/12/2011	121129	cpm	0.727629662
724461.9	3949229	40534	05/12/2011	121130	cpm	3.634981952
724462.4	3949232	40408	05/12/2011	121132	cpm	3.555189665
724462.7	3949233	41872	05/12/2011	121133	cpm	4.482300044
724462.9	3949235	41788	05/12/2011	121134	cpm	4.429105186
724463.1	3949236	44257	05/12/2011	121135	cpm	5.992654043
724463	3949237	38694	05/12/2011	121136	cpm	2.469761256
724463.3	3949238	41293	05/12/2011	121137	cpm	4.115635489
724463.5	3949239	41523	05/12/2011	121138	cpm	4.261288075
724463.6	3949240	46200	05/12/2011	121139	cpm	7.223101767
724464	3949242	43770	05/12/2011	121141	cpm	5.684250522
724464.2	3949243	44932	05/12/2011	121142	cpm	6.420112722
724464.5	3949244	49423	05/12/2011	121143	cpm	9.2641378
724464.5	3949245	46286	05/12/2011	121144	cpm	7.277563169
724464.7	3949246	40101	05/12/2011	121145	cpm	3.360775125
724464.7	3949248	38015	05/12/2011	121146	cpm	2.039769489
724464.9	3949249	38687	05/12/2011	121147	cpm	2.465328352
724465.2	3949250	40880	05/12/2011	121148	cpm	3.854094104
724465.2	3949251	39440	05/12/2011	121149	cpm	2.942182256
724465.2	3949252	37520	05/12/2011	121150	cpm	1.726299791
724465.1	3949253	40550	05/12/2011	121151	cpm	3.645114306
724465.5	3949254	37077	05/12/2011	121152	cpm	1.445760243
724465.9	3949255	36959	05/12/2011	121153	cpm	1.371034133
724466.3	3949257	36300	05/12/2011	121155	cpm	0.953707808
724466.4	3949258	35775	05/12/2011	121156	cpm	0.621239947
724466.6	3949259	36693	05/12/2011	121157	cpm	1.20258375
724466.9	3949260	36653	05/12/2011	121158	cpm	1.177252866
724467	3949262	43333	05/12/2011	121159	cpm	5.407510607

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
724467	3949263	39278	05/12/2011	121200	cpm	2.839592173
724467.4	3949265	38897	05/12/2011	121202	cpm	2.598315496
724467.6	3949266	40834	05/12/2011	121203	cpm	3.824963587
724467.7	3949267	37118	05/12/2011	121204	cpm	1.4717244
724467.8	3949268	38529	05/12/2011	121205	cpm	2.365271357
724467.8	3949269	39302	05/12/2011	121206	cpm	2.854790704
724467.8	3949272	35235	05/12/2011	121208	cpm	0.279273004
724467.8	3949273	35508	05/12/2011	121209	cpm	0.452156292
724467.8	3949274	37797	05/12/2011	121210	cpm	1.901716167
724468	3949275	36479	05/12/2011	121211	cpm	1.067063517
724468.2	3949275	36480	05/12/2011	121212	cpm	1.067696789
724468.1	3949276	37470	05/12/2011	121213	cpm	1.694636185
724468.3	3949276	38664	05/12/2011	121214	cpm	2.450763093
724468.6	3949277	37746	05/12/2011	121215	cpm	1.869419289
724468.7	3949278	40636	05/12/2011	121216	cpm	3.699575708
724468.7	3949279	37759	05/12/2011	121217	cpm	1.877651827
724468.9	3949280	35959	05/12/2011	121218	cpm	0.737762016
724468.8	3949282	35390	05/12/2011	121220	cpm	0.377430182
724468.5	3949283	35967	05/12/2011	121221	cpm	0.742828193
724468.7	3949284	37132	05/12/2011	121222	cpm	1.48059021
724469	3949285	40573	05/12/2011	121223	cpm	3.659679564
724469.2	3949286	39503	05/12/2011	121224	cpm	2.982078399
724469.6	3949288	43501	05/12/2011	121226	cpm	5.513900323
724469.9	3949289	38355	05/12/2011	121227	cpm	2.255082009
724470.2	3949290	36348	05/12/2011	121228	cpm	0.98410487
724470.3	3949291	37557	05/12/2011	121229	cpm	1.749730859
724470.5	3949293	38189	05/12/2011	121230	cpm	2.149958837
724470.9	3949294	36697	05/12/2011	121231	cpm	1.205116839
724471.2	3949295	42174	05/12/2011	121232	cpm	4.673548224
724471.4	3949296	36253	05/12/2011	121233	cpm	0.923944019
724471.6	3949298	36963	05/12/2011	121235	cpm	1.373567222
724471.6	3949299	37860	05/12/2011	121236	cpm	1.941612311
724471.8	3949300	36855	05/12/2011	121237	cpm	1.305173833
724472.1	3949301	40773	05/12/2011	121238	cpm	3.786333988
724472.5	3949302	42233	05/12/2011	121239	cpm	4.710911279
724472.8	3949303	39208	05/12/2011	121240	cpm	2.795263125
724473	3949305	41968	05/12/2011	121241	cpm	4.543094168
724473.2	3949306	42082	05/12/2011	121242	cpm	4.615287189
724473.5	3949307	37160	05/12/2011	121243	cpm	1.498321829
724473.6	3949308	38800	05/12/2011	121244	cpm	2.536888101
724473.8	3949309	37775	05/12/2011	121245	cpm	1.887784181
724474.1	3949310	36833	05/12/2011	121246	cpm	1.291241847

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724474.5	3949313	38278	05/12/2011	121248	cpm	2.206320056
724474.6	3949314	41669	05/12/2011	121249	cpm	4.353745805
724474.7	3949315	36937	05/12/2011	121250	cpm	1.357102147
724474.8	3949316	38694	05/12/2011	121251	cpm	2.469761256
724475	3949318	37803	05/12/2011	121252	cpm	1.9055158
724475.2	3949320	39037	05/12/2011	121254	cpm	2.686973593
724475.1	3949322	35252	05/12/2011	121256	cpm	0.29003863
724475.4	3949323	35813	05/12/2011	121257	cpm	0.645304287
724475.6	3949323	37663	05/12/2011	121258	cpm	1.816857704
724475.7	3949324	37376	05/12/2011	121259	cpm	1.635108606
724475.5	3949324	39494	05/12/2011	121300	cpm	2.97637895
724473.7	3949324	35133	05/12/2011	121302	cpm	0.214679248
724472.8	3949324	39533	05/12/2011	121303	cpm	3.001076563
724472.6	3949324	37393	05/12/2011	121304	cpm	1.645874232
724472.6	3949324	32868	05/12/2011	121305	cpm	-1.219682097
724472.4	3949324	40041	05/12/2011	121306	cpm	3.322778798
724471.9	3949322	38457	05/12/2011	121308	cpm	2.319675765
724471.4	3949321	40004	05/12/2011	121309	cpm	3.29934773
724471.3	3949320	39821	05/12/2011	121310	cpm	3.183458932
724471.2	3949319	39115	05/12/2011	121311	cpm	2.736368818
724470.9	3949318	40888	05/12/2011	121312	cpm	3.859160281
724470.6	3949317	36472	05/12/2011	121313	cpm	1.062630612
724469.9	3949314	38038	05/12/2011	121315	cpm	2.054334748
724469.7	3949313	33539	05/12/2011	121316	cpm	-0.794756507
724469.5	3949312	35835	05/12/2011	121317	cpm	0.659236274
724469.4	3949311	39108	05/12/2011	121318	cpm	2.731935913
724469.1	3949310	41127	05/12/2011	121319	cpm	4.010512317
724468.9	3949308	41030	05/12/2011	121320	cpm	3.949084922
724468.2	3949306	41977	05/12/2011	121322	cpm	4.548793617
724467.9	3949305	43284	05/12/2011	121323	cpm	5.376480274
724467.7	3949303	43461	05/12/2011	121324	cpm	5.488569438
724467.4	3949302	40385	05/12/2011	121325	cpm	3.540624406
724467	3949301	41566	05/12/2011	121326	cpm	4.288518777
724466.7	3949300	37781	05/12/2011	121327	cpm	1.891583814
724466.4	3949299	37225	05/12/2011	121328	cpm	1.539484516
724465.4	3949297	36216	05/12/2011	121330	cpm	0.90051295
724464.9	3949296	35574	05/12/2011	121331	cpm	0.493952251
724464.7	3949294	37423	05/12/2011	121332	cpm	1.664872396
724464.5	3949293	39206	05/12/2011	121333	cpm	2.79399658
724464.2	3949292	40671	05/12/2011	121334	cpm	3.721740232
724463.8	3949291	40977	05/12/2011	121335	cpm	3.9155215
724463.5	3949289	38024	05/12/2011	121336	cpm	2.045468938

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724463.4	3949288	37016	05/12/2011	121337	cpm	1.407130644
724463	3949287	35606	05/12/2011	121338	cpm	0.514216959
724462.3	3949285	36162	05/12/2011	121340	cpm	0.866316256
724462.1	3949284	36220	05/12/2011	121341	cpm	0.903046039
724462	3949283	36565	05/12/2011	121342	cpm	1.121524919
724461.8	3949282	37011	05/12/2011	121343	cpm	1.403964283
724461.5	3949281	36252	05/12/2011	121344	cpm	0.923310747
724461.5	3949279	37713	05/12/2011	121345	cpm	1.84852131
724461.3	3949277	36436	05/12/2011	121347	cpm	1.039832816
724461.3	3949276	38064	05/12/2011	121348	cpm	2.070799823
724461.5	3949275	36276	05/12/2011	121349	cpm	0.938509277
724461.3	3949274	37569	05/12/2011	121350	cpm	1.757330125
724460.9	3949273	37292	05/12/2011	121351	cpm	1.581913748
724460.7	3949272	36893	05/12/2011	121352	cpm	1.329238174
724461	3949271	38443	05/12/2011	121353	cpm	2.310809955
724461.1	3949270	36565	05/12/2011	121354	cpm	1.121524919
724460.9	3949269	37701	05/12/2011	121355	cpm	1.840922044
724460.8	3949268	39305	05/12/2011	121356	cpm	2.85669052
724460.7	3949267	40366	05/12/2011	121357	cpm	3.528592236
724460.5	3949266	40871	05/12/2011	121358	cpm	3.848394655
724460	3949264	43158	05/12/2011	121400	cpm	5.296687987
724459.9	3949263	39469	05/12/2011	121401	cpm	2.960547147
724459.7	3949262	39297	05/12/2011	121402	cpm	2.851624343
724459.6	3949260	39764	05/12/2011	121403	cpm	3.147362422
724459.5	3949259	38021	05/12/2011	121404	cpm	2.043569122
724459.3	3949258	39415	05/12/2011	121405	cpm	2.926350453
724459.2	3949257	45071	05/12/2011	121406	cpm	6.508137547
724458.7	3949255	38374	05/12/2011	121408	cpm	2.267114179
724459	3949254	35783	05/12/2011	121409	cpm	0.626306124
724458.8	3949253	36846	05/12/2011	121410	cpm	1.299474384
724458.6	3949252	38821	05/12/2011	121411	cpm	2.550186815
724458.4	3949251	35475	05/12/2011	121412	cpm	0.431258312
724458.3	3949250	36108	05/12/2011	121413	cpm	0.832119562
724458	3949248	39627	05/12/2011	121415	cpm	3.060604142
724457.7	3949247	42967	05/12/2011	121416	cpm	5.175733012
724457.6	3949246	43681	05/12/2011	121417	cpm	5.627889304
724457.5	3949245	42630	05/12/2011	121418	cpm	4.962320309
724457.5	3949244	44527	05/12/2011	121419	cpm	6.163637515
724457.2	3949243	48332	05/12/2011	121420	cpm	8.57323792
724457	3949241	47063	05/12/2011	121421	cpm	7.769615604
724456.7	3949240	40246	05/12/2011	121422	cpm	3.452599582
724456.2	3949238	39903	05/12/2011	121424	cpm	3.235387246

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724455.9	3949238	41955	05/12/2011	121425	cpm	4.53486163
724455.9	3949236	38268	05/12/2011	121426	cpm	2.199987335
724455.8	3949235	37977	05/12/2011	121427	cpm	2.015705149
724455.7	3949234	37664	05/12/2011	121428	cpm	1.817490976
724455.4	3949232	33326	05/12/2011	121430	cpm	-0.929643468
724455.3	3949231	38361	05/12/2011	121431	cpm	2.258881641
724455.2	3949230	38960	05/12/2011	121432	cpm	2.63821164
724454.8	3949229	38840	05/12/2011	121433	cpm	2.562218985
724454.5	3949228	39710	05/12/2011	121434	cpm	3.113165727
724454.4	3949226	39447	05/12/2011	121435	cpm	2.946615161
724454.2	3949225	33943	05/12/2011	121436	cpm	-0.538914572
724454	3949224	37075	05/12/2011	121437	cpm	1.444493699
724453.7	3949223	31769	05/12/2011	121438	cpm	-1.915648154
724453.4	3949222	35752	05/12/2011	121439	cpm	0.606674688
724453	3949221	34888	05/12/2011	121440	cpm	0.059527579
724453.2	3949218	32692	05/12/2011	121442	cpm	-1.33113799
724453.5	3949217	40243	05/12/2011	121443	cpm	3.450699766
724453.5	3949216	36520	05/12/2011	121444	cpm	1.093027674
724453.4	3949215	35110	05/12/2011	121445	cpm	0.200113989
724453.4	3949214	34541	05/12/2011	121446	cpm	-0.160217846
724452.4	3949212	36066	05/12/2011	121448	cpm	0.805522133
724452.1	3949211	30466	05/12/2011	121449	cpm	-2.740801723
724452.1	3949209	31913	05/12/2011	121450	cpm	-1.824456969
724451.7	3949208	33134	05/12/2011	121451	cpm	-1.051231714
724451.4	3949207	32703	05/12/2011	121452	cpm	-1.324171997
724451	3949206	30195	05/12/2011	121453	cpm	-2.912418466
724450.6	3949204	32418	05/12/2011	121455	cpm	-1.50465455
724450.6	3949203	30664	05/12/2011	121456	cpm	-2.615413843
724450.2	3949202	31366	05/12/2011	121457	cpm	-2.170856817
724449.7	3949201	32681	05/12/2011	121458	cpm	-1.338103983
724449.5	3949200	32110	05/12/2011	121459	cpm	-1.699702362
724449.5	3949199	33917	05/12/2011	121500	cpm	-0.555379647
724449.4	3949198	31482	05/12/2011	121501	cpm	-2.097397252
724449.2	3949198	30850	05/12/2011	121502	cpm	-2.49762523
724449.2	3949197	31532	05/12/2011	121503	cpm	-2.065733646
724449.1	3949196	33826	05/12/2011	121504	cpm	-0.613007409
724449.1	3949195	32638	05/12/2011	121505	cpm	-1.365334684
724449.2	3949194	32309	05/12/2011	121506	cpm	-1.573681211
724449.2	3949191	34117	05/12/2011	121508	cpm	-0.428725223
724449.3	3949190	32409	05/12/2011	121509	cpm	-1.510353999
724449.2	3949190	36662	05/12/2011	121510	cpm	1.182952315
724449.2	3949189	33975	05/12/2011	121511	cpm	-0.518649864

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724449.5	3949188	32583	05/12/2011	121512	cpm	-1.400164651
724449.2	3949187	32326	05/12/2011	121513	cpm	-1.562915585
724448.3	3949187	35411	05/12/2011	121514	cpm	0.390728896
724447.2	3949187	32223	05/12/2011	121515	cpm	-1.628142613
724446.5	3949187	35036	05/12/2011	121516	cpm	0.153251852
724445.9	3949187	35429	05/12/2011	121517	cpm	0.402127794
724445.8	3949187	31777	05/12/2011	121518	cpm	-1.910581977
724445.9	3949187	29724	05/12/2011	121519	cpm	-3.210689633
724445.9	3949188	30261	05/12/2011	121520	cpm	-2.870622506
724445.9	3949188	34595	05/12/2011	121521	cpm	-0.126021151
724445.7	3949188	33368	05/12/2011	121523	cpm	-0.903046039
724444.8	3949188	30482	05/12/2011	121524	cpm	-2.730669369
724444	3949188	31980	05/12/2011	121525	cpm	-1.782027737
724443.6	3949188	31155	05/12/2011	121526	cpm	-2.304477234
724443.6	3949188	33828	05/12/2011	121527	cpm	-0.611740865
724443.7	3949188	32847	05/12/2011	121528	cpm	-1.232980812
724443.6	3949188	30110	05/12/2011	121529	cpm	-2.966246596
724443.5	3949188	33387	05/12/2011	121530	cpm	-0.891013869
724443.7	3949189	27907	05/12/2011	121531	cpm	-4.36134507
724443.8	3949190	29013	05/12/2011	121532	cpm	-3.660946109
724443.8	3949191	29936	05/12/2011	121533	cpm	-3.076435945
724443.9	3949193	31394	05/12/2011	121535	cpm	-2.153125198
724443.8	3949194	32928	05/12/2011	121536	cpm	-1.18168577
724444	3949195	32712	05/12/2011	121537	cpm	-1.318472548
724444.1	3949196	31818	05/12/2011	121538	cpm	-1.88461782
724444.1	3949197	30244	05/12/2011	121539	cpm	-2.881388132
724444.3	3949199	33525	05/12/2011	121540	cpm	-0.803622317
724444.8	3949201	30273	05/12/2011	121542	cpm	-2.863023241
724445.3	3949204	35169	05/12/2011	121544	cpm	0.237477044
724445.5	3949205	31082	05/12/2011	121545	cpm	-2.350706098
724445.6	3949206	29400	05/12/2011	121546	cpm	-3.415869799
724445.7	3949208	31080	05/12/2011	121547	cpm	-2.351972643
724445.9	3949209	29760	05/12/2011	121548	cpm	-3.187891837
724446.4	3949211	30210	05/12/2011	121550	cpm	-2.902919384
724446.7	3949212	29332	05/12/2011	121551	cpm	-3.458932303
724447	3949214	32323	05/12/2011	121552	cpm	-1.564815401
724447.4	3949215	33671	05/12/2011	121553	cpm	-0.711164587
724447.6	3949216	37247	05/12/2011	121554	cpm	1.553416503
724447.8	3949217	36431	05/12/2011	121555	cpm	1.036666456
724448	3949219	35059	05/12/2011	121556	cpm	0.167817111
724448.2	3949220	36754	05/12/2011	121557	cpm	1.241213349
724448.3	3949221	36518	05/12/2011	121558	cpm	1.09176113

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724448.6	3949223	36879	05/12/2011	121559	cpm	1.320372364
724448.8	3949224	39010	05/12/2011	121600	cpm	2.669875245
724449	3949225	39662	05/12/2011	121601	cpm	3.082768666
724449.4	3949228	39495	05/12/2011	121603	cpm	2.977012222
724449.6	3949230	45213	05/12/2011	121604	cpm	6.598062187
724449.8	3949231	39593	05/12/2011	121605	cpm	3.03907289
724450.2	3949232	42538	05/12/2011	121606	cpm	4.904059274
724450.3	3949234	43634	05/12/2011	121607	cpm	5.598125515
724450.5	3949235	39357	05/12/2011	121608	cpm	2.88962067
724450.8	3949237	39089	05/12/2011	121609	cpm	2.719903743
724451	3949238	44452	05/12/2011	121610	cpm	6.116142106
724451.2	3949239	38983	05/12/2011	121611	cpm	2.652776898
724451.5	3949241	40375	05/12/2011	121612	cpm	3.534291685
724451.6	3949242	39944	05/12/2011	121613	cpm	3.261351403
724452.2	3949244	44546	05/12/2011	121615	cpm	6.175669685
724452.4	3949245	43566	05/12/2011	121616	cpm	5.555063011
724452.7	3949246	43261	05/12/2011	121617	cpm	5.361915015
724452.9	3949248	42855	05/12/2011	121618	cpm	5.104806535
724453.2	3949249	44403	05/12/2011	121619	cpm	6.085111773
724453.5	3949250	38887	05/12/2011	121620	cpm	2.591982775
724453.7	3949251	38462	05/12/2011	121621	cpm	2.322842125
724453.8	3949252	40515	05/12/2011	121622	cpm	3.622949782
724454	3949253	40158	05/12/2011	121623	cpm	3.396871636
724454.6	3949254	37519	05/12/2011	121624	cpm	1.725666519
724455.1	3949255	36050	05/12/2011	121625	cpm	0.795389779
724455.4	3949256	37512	05/12/2011	121626	cpm	1.721233614
724455.8	3949258	40638	05/12/2011	121628	cpm	3.700842252
724455.9	3949259	39999	05/12/2011	121629	cpm	3.296181369
724456	3949260	40849	05/12/2011	121630	cpm	3.834462669
724456.2	3949261	41022	05/12/2011	121631	cpm	3.944018745
724456.1	3949262	38935	05/12/2011	121632	cpm	2.622379837
724455.9	3949264	37799	05/12/2011	121634	cpm	1.902982712
724455.6	3949264	36119	05/12/2011	121635	cpm	0.839085555
724455.8	3949265	37110	05/12/2011	121636	cpm	1.466658223
724455.8	3949266	37477	05/12/2011	121637	cpm	1.69906909
724455.9	3949266	36699	05/12/2011	121638	cpm	1.206383383
724455.7	3949267	35664	05/12/2011	121639	cpm	0.550946742
724456	3949269	36306	05/12/2011	121641	cpm	0.957507441
724456.4	3949270	36496	05/12/2011	121642	cpm	1.077829143
724456.6	3949271	35194	05/12/2011	121643	cpm	0.253308847
724456.7	3949272	35438	05/12/2011	121644	cpm	0.407827243
724456.7	3949274	36999	05/12/2011	121645	cpm	1.396365018



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Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724456.6	3949275	36820	05/12/2011	121646	cpm	1.283009309
724456.7	3949276	36415	05/12/2011	121647	cpm	1.026534102
724457.1	3949277	36523	05/12/2011	121648	cpm	1.09492749
724457.3	3949279	37571	05/12/2011	121649	cpm	1.758596669
724457.5	3949280	36692	05/12/2011	121650	cpm	1.201950478
724457.7	3949281	37253	05/12/2011	121651	cpm	1.557216136
724458.1	3949283	39793	05/12/2011	121653	cpm	3.165727313
724458.3	3949285	40938	05/12/2011	121654	cpm	3.890823887
724458.3	3949286	40354	05/12/2011	121655	cpm	3.520992971
724458	3949287	39848	05/12/2011	121656	cpm	3.200557279
724457.7	3949288	42152	05/12/2011	121657	cpm	4.659616237
724457.6	3949289	35424	05/12/2011	121658	cpm	0.398961434
724457.5	3949290	35976	05/12/2011	121659	cpm	0.748527642
724457.7	3949292	39114	05/12/2011	121700	cpm	2.735735546
724457.9	3949293	39658	05/12/2011	121701	cpm	3.080235577
724457.8	3949294	37034	05/12/2011	121702	cpm	1.418529542
724457.9	3949295	36888	05/12/2011	121703	cpm	1.326071813
724458.1	3949297	37332	05/12/2011	121704	cpm	1.607244633
724458.3	3949299	35583	05/12/2011	121706	cpm	0.4996517
724458.7	3949300	35775	05/12/2011	121707	cpm	0.621239947
724458.6	3949302	40053	05/12/2011	121708	cpm	3.330378063
724458.6	3949303	37133	05/12/2011	121709	cpm	1.481223482
724458.9	3949304	35833	05/12/2011	121710	cpm	0.65796973
724459.4	3949305	41298	05/12/2011	121711	cpm	4.118801849
724459.6	3949307	40928	05/12/2011	121712	cpm	3.884491166
724459.6	3949308	39932	05/12/2011	121713	cpm	3.253752137
724459.6	3949309	38273	05/12/2011	121714	cpm	2.203153695
724459.8	3949311	41368	05/12/2011	121715	cpm	4.163130897
724460.2	3949312	39232	05/12/2011	121716	cpm	2.810461655
724460.6	3949313	37168	05/12/2011	121717	cpm	1.503388006
724461.1	3949315	35152	05/12/2011	121719	cpm	0.226711418
724461.4	3949316	35728	05/12/2011	121720	cpm	0.591476157
724461.6	3949317	39022	05/12/2011	121721	cpm	2.677474511
724461.8	3949318	39098	05/12/2011	121722	cpm	2.725603192
724461.7	3949321	34693	05/12/2011	121724	cpm	-0.063960484
724461.9	3949322	40773	05/12/2011	121725	cpm	3.786333988
724462.2	3949323	37823	05/12/2011	121726	cpm	1.918181242
724462.2	3949324	34175	05/12/2011	121727	cpm	-0.39199544
724462.3	3949324	43884	05/12/2011	121728	cpm	5.756443544
724461.6	3949324	38631	05/12/2011	121729	cpm	2.429865113
724460.6	3949324	34197	05/12/2011	121730	cpm	-0.378063454
724458.4	3949324	37139	05/12/2011	121732	cpm	1.485023114

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724457.7	3949324	38535	05/12/2011	121733	cpm	2.36907099
724457.6	3949325	37833	05/12/2011	121734	cpm	1.924513964
724457.6	3949325	37928	05/12/2011	121735	cpm	1.984674815
724457.5	3949325	37620	05/12/2011	121736	cpm	1.789627003
724457.4	3949325	35328	05/12/2011	121738	cpm	0.33816731
724457.4	3949324	38172	05/12/2011	121739	cpm	2.139193211
724457.2	3949323	36813	05/12/2011	121740	cpm	1.278576404
724457.1	3949321	40223	05/12/2011	121741	cpm	3.438034323
724456.9	3949320	42185	05/12/2011	121742	cpm	4.680514217
724456.5	3949317	35656	05/12/2011	121744	cpm	0.545880565
724456.1	3949316	36244	05/12/2011	121745	cpm	0.91824457
724455.7	3949315	34921	05/12/2011	121746	cpm	0.080425559
724455.5	3949313	37560	05/12/2011	121747	cpm	1.751630676
724455.3	3949312	38827	05/12/2011	121748	cpm	2.553986448
724455.1	3949309	41201	05/12/2011	121750	cpm	4.057374454
724454.9	3949308	38410	05/12/2011	121751	cpm	2.289911975
724454.8	3949307	38642	05/12/2011	121752	cpm	2.436831106
724454.7	3949305	41310	05/12/2011	121753	cpm	4.126401115
724454.2	3949303	39907	05/12/2011	121755	cpm	3.237920334
724454	3949301	38867	05/12/2011	121756	cpm	2.579317333
724453.9	3949300	35966	05/12/2011	121757	cpm	0.742194921
724453.9	3949299	34941	05/12/2011	121758	cpm	0.093091001
724453.9	3949298	35045	05/12/2011	121759	cpm	0.158951301
724453.8	3949297	37852	05/12/2011	121800	cpm	1.936546134
724453.6	3949296	39643	05/12/2011	121801	cpm	3.070736495
724453.3	3949294	40751	05/12/2011	121802	cpm	3.772402001
724453.2	3949293	41027	05/12/2011	121803	cpm	3.947185105
724453.1	3949292	43676	05/12/2011	121804	cpm	5.624722943
724453.3	3949291	40919	05/12/2011	121805	cpm	3.878791717
724452.6	3949289	39060	05/12/2011	121807	cpm	2.701538851
724452.3	3949288	38595	05/12/2011	121808	cpm	2.407067317
724452.3	3949287	41058	05/12/2011	121809	cpm	3.966816541
724452.3	3949285	41764	05/12/2011	121810	cpm	4.413906656
724452.3	3949284	35521	05/12/2011	121811	cpm	0.460388829
724451.8	3949283	35197	05/12/2011	121812	cpm	0.255208663
724451.2	3949281	36347	05/12/2011	121814	cpm	0.983471598
724451.3	3949280	36716	05/12/2011	121815	cpm	1.217149009
724451.1	3949278	38309	05/12/2011	121816	cpm	2.225951491
724450.7	3949277	34447	05/12/2011	121817	cpm	-0.219745425
724450.5	3949276	36001	05/12/2011	121818	cpm	0.764359445
724450.6	3949275	38010	05/12/2011	121819	cpm	2.036603128
724450.7	3949273	38962	05/12/2011	121821	cpm	2.639478184

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724450.4	3949272	37250	05/12/2011	121822	cpm	1.555316319
724450.3	3949271	35442	05/12/2011	121823	cpm	0.410360332
724450.2	3949270	38140	05/12/2011	121824	cpm	2.118928504
724449.7	3949269	36445	05/12/2011	121825	cpm	1.045532265
724449.5	3949268	41427	05/12/2011	121826	cpm	4.200493952
724449.6	3949266	37147	05/12/2011	121827	cpm	1.490089291
724449.8	3949265	39526	05/12/2011	121828	cpm	2.996643658
724449.9	3949264	41351	05/12/2011	121829	cpm	4.152365271
724449.3	3949263	42018	05/12/2011	121830	cpm	4.574757773
724448.8	3949262	37174	05/12/2011	121831	cpm	1.507187639
724448.8	3949261	39413	05/12/2011	121832	cpm	2.925083909
724448.7	3949259	36403	05/12/2011	121834	cpm	1.018934836
724448.6	3949258	37031	05/12/2011	121835	cpm	1.416629726
724448.4	3949257	37547	05/12/2011	121836	cpm	1.743398138
724448.3	3949256	33956	05/12/2011	121837	cpm	-0.530682034
724448.3	3949255	35482	05/12/2011	121838	cpm	0.435691217
724447.7	3949253	34827	05/12/2011	121840	cpm	0.02089798
724447.7	3949252	33457	05/12/2011	121841	cpm	-0.84668482
724447.7	3949250	34524	05/12/2011	121842	cpm	-0.170983472
724447.5	3949249	38331	05/12/2011	121843	cpm	2.239883478
724447.4	3949248	35202	05/12/2011	121844	cpm	0.258375024
724447	3949246	35170	05/12/2011	121846	cpm	0.238110316
724446.9	3949244	35582	05/12/2011	121847	cpm	0.499018428
724446.6	3949243	35505	05/12/2011	121848	cpm	0.450256475
724446.2	3949242	39356	05/12/2011	121849	cpm	2.888987398
724445.8	3949241	40049	05/12/2011	121850	cpm	3.327844975
724445.3	3949238	35692	05/12/2011	121852	cpm	0.568678361
724445	3949237	35803	05/12/2011	121853	cpm	0.638971566
724444.8	3949236	36430	05/12/2011	121854	cpm	1.036033183
724444.6	3949234	35597	05/12/2011	121855	cpm	0.50851751
724444.2	3949233	37909	05/12/2011	121856	cpm	1.972642645
724443.7	3949231	38907	05/12/2011	121858	cpm	2.604648217
724443.4	3949229	38077	05/12/2011	121859	cpm	2.07903236
724443.1	3949228	33429	05/12/2011	121900	cpm	-0.86441644
724442.8	3949227	36107	05/12/2011	121901	cpm	0.83148629
724442.5	3949225	35706	05/12/2011	121902	cpm	0.577544171
724442.1	3949223	34811	05/12/2011	121904	cpm	0.010765626
724441.8	3949221	33393	05/12/2011	121905	cpm	-0.887214236
724441.7	3949220	33968	05/12/2011	121906	cpm	-0.523082769
724441.4	3949219	36872	05/12/2011	121907	cpm	1.315939459
724441	3949218	35948	05/12/2011	121908	cpm	0.730796023
724440.3	3949216	34577	05/12/2011	121910	cpm	-0.137420049

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Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724440.1	3949214	32944	05/12/2011	121911	cpm	-1.171553417
724440	3949213	32176	05/12/2011	121912	cpm	-1.657906402
724439.8	3949212	32134	05/12/2011	121913	cpm	-1.684503831
724439.6	3949211	33403	05/12/2011	121914	cpm	-0.880881515
724439.3	3949208	34525	05/12/2011	121916	cpm	-0.170350199
724439	3949207	35931	05/12/2011	121917	cpm	0.720030397
724438.6	3949206	31152	05/12/2011	121918	cpm	-2.30637705
724438.2	3949205	35238	05/12/2011	121919	cpm	0.28117282
724438	3949204	32929	05/12/2011	121920	cpm	-1.181052498
724437.9	3949202	32412	05/12/2011	121921	cpm	-1.508454183
724437.7	3949201	33333	05/12/2011	121922	cpm	-0.925210563
724437.1	3949199	35903	05/12/2011	121924	cpm	0.702298778
724437.1	3949198	35435	05/12/2011	121925	cpm	0.405927427
724437.3	3949197	32229	05/12/2011	121926	cpm	-1.62434298
724437.4	3949196	32807	05/12/2011	121927	cpm	-1.258311697
724437.3	3949195	34383	05/12/2011	121928	cpm	-0.26027484
724436.9	3949194	33273	05/12/2011	121930	cpm	-0.96320689
724436.5	3949192	32177	05/12/2011	121932	cpm	-1.65727313
724436.4	3949191	32884	05/12/2011	121933	cpm	-1.209549744
724436.3	3949190	33691	05/12/2011	121934	cpm	-0.698499145
724436.2	3949189	36502	05/12/2011	121935	cpm	1.081628776
724436.1	3949188	36995	05/12/2011	121936	cpm	1.39383193
724436	3949187	35769	05/12/2011	121937	cpm	0.617440314
724435.6	3949186	35312	05/12/2011	121938	cpm	0.328034957
724433.6	3949186	36068	05/12/2011	121940	cpm	0.806788677
724432.7	3949186	36887	05/12/2011	121941	cpm	1.325438541
724432	3949186	36221	05/12/2011	121942	cpm	0.903679311
724431.3	3949186	35035	05/12/2011	121943	cpm	0.15261858
724430.6	3949186	32557	05/12/2011	121944	cpm	-1.416629726
724430.6	3949186	35754	05/12/2011	121946	cpm	0.607941232
724430.5	3949186	36898	05/12/2011	121947	cpm	1.332404534
724430.3	3949187	32564	05/12/2011	121948	cpm	-1.412196821
724430.3	3949188	32021	05/12/2011	121949	cpm	-1.756063581
724430.5	3949189	30295	05/12/2011	121950	cpm	-2.849091255
724430.7	3949191	29023	05/12/2011	121952	cpm	-3.654613387
724430.8	3949192	32576	05/12/2011	121953	cpm	-1.404597556
724430.7	3949193	35204	05/12/2011	121954	cpm	0.259641568
724430.9	3949194	32561	05/12/2011	121955	cpm	-1.414096637
724431.1	3949196	30932	05/12/2011	121956	cpm	-2.445696916
724431.2	3949197	29393	05/12/2011	121957	cpm	-3.420302704
724431.3	3949198	38218	05/12/2011	121958	cpm	2.168323729
724431.5	3949199	33794	05/12/2011	121959	cpm	-0.633272117

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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724431.7	3949200	35928	05/12/2011	122000	cpm	0.718130581
724432	3949201	39192	05/12/2011	122001	cpm	2.785130771
724432.4	3949204	40308	05/12/2011	122003	cpm	3.491862453
724432.6	3949205	35037	05/12/2011	122004	cpm	0.153885124
724432.9	3949206	35039	05/12/2011	122005	cpm	0.155151669
724433.1	3949208	32730	05/12/2011	122006	cpm	-1.30707365
724433.2	3949209	35482	05/12/2011	122007	cpm	0.435691217
724433.4	3949210	32120	05/12/2011	122008	cpm	-1.693369641
724433.6	3949211	31760	05/12/2011	122009	cpm	-1.921347603
724433.8	3949212	33560	05/12/2011	122010	cpm	-0.781457792
724434	3949214	31910	05/12/2011	122011	cpm	-1.826356786
724434.3	3949215	35937	05/12/2011	122012	cpm	0.72383003
724434.6	3949216	34364	05/12/2011	122013	cpm	-0.27230701
724434.8	3949218	34691	05/12/2011	122014	cpm	-0.065227028
724435	3949220	34292	05/12/2011	122016	cpm	-0.317902603
724434.9	3949222	36233	05/12/2011	122017	cpm	0.911278576
724434.8	3949223	36898	05/12/2011	122018	cpm	1.332404534
724434.9	3949224	34454	05/12/2011	122019	cpm	-0.21531252
724435.2	3949225	39023	05/12/2011	122020	cpm	2.678107783
724435.9	3949226	34025	05/12/2011	122021	cpm	-0.486986258
724436.5	3949228	36346	05/12/2011	122022	cpm	0.982838326
724436.7	3949229	36026	05/12/2011	122023	cpm	0.780191248
724436.8	3949230	36576	05/12/2011	122024	cpm	1.128490913
724437	3949232	35964	05/12/2011	122025	cpm	0.740928377
724437.3	3949234	37101	05/12/2011	122027	cpm	1.460958774
724437.3	3949235	36185	05/12/2011	122028	cpm	0.880881515
724437.5	3949237	37036	05/12/2011	122029	cpm	1.419796086
724437.9	3949238	36049	05/12/2011	122030	cpm	0.794756507
724438	3949239	37392	05/12/2011	122031	cpm	1.64524096
724437.7	3949240	35277	05/12/2011	122032	cpm	0.305870433
724437.8	3949240	37395	05/12/2011	122034	cpm	1.647140776
724437.8	3949240	36528	05/12/2011	122035	cpm	1.098093851
724437.8	3949240	37062	05/12/2011	122036	cpm	1.436261161
724438	3949241	37045	05/12/2011	122037	cpm	1.425495535
724438.2	3949243	36321	05/12/2011	122038	cpm	0.967006523
724438.4	3949244	36470	05/12/2011	122039	cpm	1.061364068
724438.7	3949245	35637	05/12/2011	122040	cpm	0.533848395
724439.6	3949247	37829	05/12/2011	122042	cpm	1.921980875
724440	3949248	36607	05/12/2011	122043	cpm	1.148122348
724440.1	3949249	38881	05/12/2011	122044	cpm	2.588183142
724440.2	3949250	35400	05/12/2011	122045	cpm	0.383762903
724440.6	3949252	36390	05/12/2011	122046	cpm	1.010702299

Surface Gamma Scans  
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X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724441.2	3949253	36427	05/12/2011	122047	cpm	1.034133367
724441.7	3949253	37459	05/12/2011	122048	cpm	1.687670192
724442.1	3949254	36304	05/12/2011	122049	cpm	0.956240897
724442.3	3949255	39406	05/12/2011	122050	cpm	2.920651004
724442.4	3949256	36971	05/12/2011	122051	cpm	1.378633399
724442.6	3949257	38073	05/12/2011	122052	cpm	2.076499272
724442.8	3949258	36368	05/12/2011	122053	cpm	0.996770312
724443	3949259	35942	05/12/2011	122054	cpm	0.72699639
724443.6	3949261	36045	05/12/2011	122056	cpm	0.792223418
724443.7	3949262	36251	05/12/2011	122057	cpm	0.922677475
724443.8	3949263	39813	05/12/2011	122058	cpm	3.178392755
724444	3949264	37073	05/12/2011	122059	cpm	1.443227155
724444.2	3949265	36187	05/12/2011	122100	cpm	0.882148059
724444.2	3949266	36196	05/12/2011	122101	cpm	0.887847508
724443.9	3949267	37069	05/12/2011	122102	cpm	1.440694066
724443.9	3949269	35547	05/12/2011	122103	cpm	0.476853904
724444.1	3949270	39517	05/12/2011	122104	cpm	2.990944209
724444.9	3949272	36999	05/12/2011	122106	cpm	1.396365018
724445	3949273	36039	05/12/2011	122107	cpm	0.788423786
724445.1	3949274	36970	05/12/2011	122108	cpm	1.378000127
724445.2	3949275	35312	05/12/2011	122109	cpm	0.328034957
724445.2	3949277	37157	05/12/2011	122110	cpm	1.496422013
724445.7	3949279	35472	05/12/2011	122112	cpm	0.429358495
724445.8	3949280	36708	05/12/2011	122113	cpm	1.212082832
724445.9	3949281	34374	05/12/2011	122114	cpm	-0.265974289
724446	3949283	38436	05/12/2011	122115	cpm	2.30637705
724446	3949284	39879	05/12/2011	122116	cpm	3.220188715
724446.1	3949286	41079	05/12/2011	122118	cpm	3.980115256
724446.2	3949287	41380	05/12/2011	122119	cpm	4.170730163
724446	3949289	46405	05/12/2011	122120	cpm	7.352922551
724445.7	3949290	44451	05/12/2011	122121	cpm	6.115508834
724445.8	3949291	37908	05/12/2011	122122	cpm	1.972009372
724445.9	3949293	40176	05/12/2011	122124	cpm	3.408270534
724446	3949294	40944	05/12/2011	122125	cpm	3.89462352
724446.1	3949296	40866	05/12/2011	122126	cpm	3.845228295
724446.2	3949297	37996	05/12/2011	122127	cpm	2.027737319
724446.3	3949298	41779	05/12/2011	122128	cpm	4.423405737
724447	3949300	36754	05/12/2011	122130	cpm	1.241213349
724447.1	3949301	35468	05/12/2011	122131	cpm	0.426825407
724447.3	3949303	39167	05/12/2011	122132	cpm	2.769298968
724447.9	3949304	38231	05/12/2011	122133	cpm	2.176556266
724448.2	3949305	40077	05/12/2011	122134	cpm	3.345576594

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724448.2	3949307	36480	05/12/2011	122136	cpm	1.067696789
724448.4	3949308	38010	05/12/2011	122137	cpm	2.036603128
724448.6	3949309	38452	05/12/2011	122138	cpm	2.316509404
724448.8	3949311	38383	05/12/2011	122139	cpm	2.272813628
724448.9	3949312	37765	05/12/2011	122140	cpm	1.88145146
724449	3949313	37911	05/12/2011	122141	cpm	1.973909189
724449.1	3949314	34767	05/12/2011	122142	cpm	-0.017098347
724449.4	3949316	33442	05/12/2011	122144	cpm	-0.856183902
724449.8	3949317	37730	05/12/2011	122145	cpm	1.859286936
724450.1	3949318	41532	05/12/2011	122146	cpm	4.266987525
724450.2	3949320	39333	05/12/2011	122147	cpm	2.874422139
724450	3949321	37333	05/12/2011	122148	cpm	1.607877905
724450.2	3949323	36503	05/12/2011	122150	cpm	1.082262048
724450.5	3949324	39571	05/12/2011	122152	cpm	3.025140903
724450.7	3949325	40552	05/12/2011	122153	cpm	3.64638085
724449.9	3949325	37768	05/12/2011	122154	cpm	1.883351276
724448.8	3949325	38902	05/12/2011	122155	cpm	2.601481857
724447.5	3949325	37715	05/12/2011	122156	cpm	1.849787854
724446.3	3949325	36308	05/12/2011	122157	cpm	0.958773985
724444.6	3949325	41927	05/12/2011	122159	cpm	4.517130011
724444.3	3949325	37031	05/12/2011	122200	cpm	1.416629726
724444.3	3949325	37968	05/12/2011	122201	cpm	2.010005699
724444.3	3949325	42768	05/12/2011	122202	cpm	5.049711861
724444.2	3949325	39438	05/12/2011	122204	cpm	2.940915711
724444	3949324	38599	05/12/2011	122205	cpm	2.409600405
724443.9	3949323	37189	05/12/2011	122206	cpm	1.51668672
724443.7	3949322	39837	05/12/2011	122207	cpm	3.193591286
724443.6	3949321	38309	05/12/2011	122208	cpm	2.225951491
724443.7	3949320	36667	05/12/2011	122209	cpm	1.186118675
724443.7	3949317	38956	05/12/2011	122211	cpm	2.635678551
724443.4	3949316	40249	05/12/2011	122212	cpm	3.454499398
724443.1	3949315	41022	05/12/2011	122213	cpm	3.944018745
724442.6	3949313	36265	05/12/2011	122214	cpm	0.931543284
724442.5	3949312	34992	05/12/2011	122215	cpm	0.125387879
724442.6	3949311	36178	05/12/2011	122216	cpm	0.87644861
724442.4	3949309	37968	05/12/2011	122218	cpm	2.010005699
724442.2	3949308	37362	05/12/2011	122219	cpm	1.626242797
724441.7	3949306	38770	05/12/2011	122220	cpm	2.517889937
724441.4	3949305	40832	05/12/2011	122221	cpm	3.823697043
724441.6	3949304	39098	05/12/2011	122222	cpm	2.725603192
724441.6	3949303	38244	05/12/2011	122223	cpm	2.184788804
724441.3	3949300	34251	05/12/2011	122225	cpm	-0.34386676

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724441.1	3949299	38922	05/12/2011	122226	cpm	2.614147299
724441.1	3949298	42610	05/12/2011	122227	cpm	4.949654867
724441.2	3949297	40832	05/12/2011	122228	cpm	3.823697043
724441.1	3949296	40838	05/12/2011	122229	cpm	3.827496675
724441.1	3949294	36280	05/12/2011	122230	cpm	0.941042366
724440.6	3949292	37360	05/12/2011	122232	cpm	1.624976252
724440.5	3949291	36220	05/12/2011	122233	cpm	0.903046039
724440.4	3949289	37345	05/12/2011	122234	cpm	1.615477171
724440.4	3949288	40836	05/12/2011	122235	cpm	3.826230131
724440.2	3949287	40959	05/12/2011	122236	cpm	3.904122601
724440	3949286	40029	05/12/2011	122237	cpm	3.315179533
724439.9	3949286	39737	05/12/2011	122238	cpm	3.130264074
724439.8	3949286	37684	05/12/2011	122239	cpm	1.830156418
724439.7	3949286	38971	05/12/2011	122241	cpm	2.645177633
724439.8	3949286	42862	05/12/2011	122242	cpm	5.10923944
724439.7	3949286	38915	05/12/2011	122243	cpm	2.609714394
724439.7	3949286	37269	05/12/2011	122244	cpm	1.56734849
724439.8	3949286	37256	05/12/2011	122246	cpm	1.559115952
724440.3	3949286	37754	05/12/2011	122247	cpm	1.874485466
724441.2	3949286	34548	05/12/2011	122248	cpm	-0.155784941
724442.3	3949286	40947	05/12/2011	122249	cpm	3.896523336
724443.2	3949286	41526	05/12/2011	122250	cpm	4.263187892
724444.1	3949286	37441	05/12/2011	122251	cpm	1.676271294
724445.8	3949286	39450	05/12/2011	122253	cpm	2.948514977
724446.6	3949285	38242	05/12/2011	122254	cpm	2.18352226
724447.2	3949285	38900	05/12/2011	122255	cpm	2.600215313
724447.8	3949285	37655	05/12/2011	122256	cpm	1.811791527
724448.6	3949285	40553	05/12/2011	122257	cpm	3.647014122
724449.2	3949285	37124	05/12/2011	122258	cpm	1.475524033
724449.3	3949285	38345	05/12/2011	122259	cpm	2.248749288
724449.6	3949285	41236	05/12/2011	122300	cpm	4.079538978
724449.6	3949286	36139	05/12/2011	122301	cpm	0.851750997
724449.7	3949287	39304	05/12/2011	122302	cpm	2.856057248
724449.9	3949288	41836	05/12/2011	122303	cpm	4.459502248
724449.9	3949288	38269	05/12/2011	122305	cpm	2.200620607
724449.2	3949288	37737	05/12/2011	122306	cpm	1.86371984
724448.7	3949288	40768	05/12/2011	122307	cpm	3.783167627
724448.5	3949288	40529	05/12/2011	122308	cpm	3.631815591
724447.9	3949287	40783	05/12/2011	122310	cpm	3.792666709
724447.8	3949287	45985	05/12/2011	122311	cpm	7.086948262
724447.7	3949287	39036	05/12/2011	122312	cpm	2.68634032
724447.7	3949287	35979	05/12/2011	122313	cpm	0.750427459



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724447.3	3949287	38034	05/12/2011	122314	cpm	2.051801659
724446.8	3949286	36898	05/12/2011	122315	cpm	1.332404534
724445.4	3949286	36524	05/12/2011	122317	cpm	1.095560762
724444.7	3949286	40631	05/12/2011	122318	cpm	3.696409347
724444	3949286	39017	05/12/2011	122319	cpm	2.67430815
724443.2	3949287	37414	05/12/2011	122320	cpm	1.659172947
724442.5	3949287	38211	05/12/2011	122321	cpm	2.163890824
724442.1	3949287	35532	05/12/2011	122322	cpm	0.467354822
724442	3949287	35643	05/12/2011	122323	cpm	0.537648027
724442	3949287	36930	05/12/2011	122324	cpm	1.352669242
724442	3949287	38542	05/12/2011	122325	cpm	2.373503895
724442	3949287	36185	05/12/2011	122326	cpm	0.880881515
724442	3949287	35716	05/12/2011	122327	cpm	0.583876892
724442	3949287	38438	05/12/2011	122329	cpm	2.307643594
724441.7	3949287	35599	05/12/2011	122330	cpm	0.509784054
724441.5	3949288	37760	05/12/2011	122331	cpm	1.878285099
724441.6	3949288	41270	05/12/2011	122332	cpm	4.10107023
724441.7	3949288	35632	05/12/2011	122333	cpm	0.530682034
724441.8	3949288	34138	05/12/2011	122334	cpm	-0.415426509
724442	3949288	38504	05/12/2011	122335	cpm	2.349439554
724442	3949288	36416	05/12/2011	122336	cpm	1.027167374
724442.1	3949287	37214	05/12/2011	122337	cpm	1.532518523
724442.1	3949287	36273	05/12/2011	122338	cpm	0.936609461
724442	3949288	38768	05/12/2011	122340	cpm	2.516623393
724441.8	3949288	34622	05/12/2011	122341	cpm	-0.108922804
724441.8	3949287	39255	05/12/2011	122342	cpm	2.825026914
724442	3949287	38013	05/12/2011	122343	cpm	2.038502945
724441.5	3949286	34881	05/12/2011	122344	cpm	0.055094674
724441.4	3949286	37010	05/12/2011	122345	cpm	1.403331011
724441.3	3949285	36882	05/12/2011	122346	cpm	1.32227218
724441.4	3949285	37450	05/12/2011	122347	cpm	1.681970743
724441.3	3949284	41762	05/12/2011	122348	cpm	4.412640111
724441.1	3949283	37140	05/12/2011	122349	cpm	1.485656387
724441.1	3949280	38655	05/12/2011	122351	cpm	2.445063644
724441.1	3949279	38823	05/12/2011	122352	cpm	2.55145336
724441.2	3949277	37876	05/12/2011	122353	cpm	1.951744665
724440.8	3949277	36522	05/12/2011	122354	cpm	1.094294218
724440.5	3949276	40390	05/12/2011	122355	cpm	3.543790767
724440.7	3949274	38087	05/12/2011	122356	cpm	2.085365081
724440.8	3949273	39521	05/12/2011	122357	cpm	2.993477297
724440.6	3949272	40360	05/12/2011	122358	cpm	3.524792603
724440.3	3949271	34930	05/12/2011	122359	cpm	0.086125008

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724439.4	3949268	35162	05/12/2011	122401	cpm	0.233044139
724439.2	3949267	35430	05/12/2011	122402	cpm	0.402761066
724439.2	3949266	37297	05/12/2011	122403	cpm	1.585080109
724439.2	3949264	39463	05/12/2011	122404	cpm	2.956747514
724438.5	3949262	39186	05/12/2011	122406	cpm	2.781331138
724438.1	3949261	39376	05/12/2011	122407	cpm	2.90165284
724437.9	3949260	42034	05/12/2011	122408	cpm	4.584890127
724437.6	3949259	38948	05/12/2011	122409	cpm	2.630612374
724437.5	3949257	35417	05/12/2011	122410	cpm	0.394528529
724437.3	3949256	39244	05/12/2011	122411	cpm	2.818060921
724436.7	3949253	35161	05/12/2011	122413	cpm	0.232410867
724436.1	3949252	35790	05/12/2011	122414	cpm	0.630739029
724435.9	3949251	37087	05/12/2011	122415	cpm	1.452092964
724435.9	3949250	36992	05/12/2011	122416	cpm	1.391932113
724435.7	3949249	38078	05/12/2011	122417	cpm	2.079665632
724435.3	3949248	37915	05/12/2011	122418	cpm	1.976442277
724434.9	3949247	36298	05/12/2011	122419	cpm	0.952441264
724434.8	3949246	40694	05/12/2011	122420	cpm	3.73630549
724434.6	3949245	35613	05/12/2011	122421	cpm	0.518649864
724434.4	3949244	41573	05/12/2011	122422	cpm	4.292951681
724434.3	3949243	37933	05/12/2011	122423	cpm	1.987841175
724434	3949241	38193	05/12/2011	122425	cpm	2.152491926
724434.3	3949239	36518	05/12/2011	122426	cpm	1.09176113
724434.2	3949238	36159	05/12/2011	122427	cpm	0.86441644
724433.8	3949237	42970	05/12/2011	122428	cpm	5.177632829
724432.9	3949235	39885	05/12/2011	122430	cpm	3.223988348
724432.6	3949234	38771	05/12/2011	122431	cpm	2.518523209
724432.4	3949233	37985	05/12/2011	122432	cpm	2.020771325
724432.2	3949232	37538	05/12/2011	122433	cpm	1.737698689
724432.1	3949231	38784	05/12/2011	122434	cpm	2.526755747
724431.9	3949228	36966	05/12/2011	122436	cpm	1.375467038
724431.5	3949227	35161	05/12/2011	122437	cpm	0.232410867
724431.2	3949226	34500	05/12/2011	122438	cpm	-0.186182002
724431	3949225	38325	05/12/2011	122439	cpm	2.236083845
724430.6	3949224	38163	05/12/2011	122440	cpm	2.133493762
724430.3	3949223	39660	05/12/2011	122441	cpm	3.081502121
724430.1	3949221	37665	05/12/2011	122442	cpm	1.818124248
724430	3949220	37556	05/12/2011	122443	cpm	1.749097587
724429.8	3949219	36239	05/12/2011	122444	cpm	0.915078209
724429.7	3949218	36240	05/12/2011	122445	cpm	0.915711481
724429.1	3949215	36330	05/12/2011	122447	cpm	0.972705972
724428.8	3949214	34102	05/12/2011	122448	cpm	-0.438224305

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724428.6	3949213	36335	05/12/2011	122449	cpm	0.975872332
724428.3	3949212	33531	05/12/2011	122450	cpm	-0.799822684
724427.5	3949210	33108	05/12/2011	122452	cpm	-1.067696789
724427.2	3949209	38217	05/12/2011	122453	cpm	2.167690457
724427.1	3949208	39434	05/12/2011	122454	cpm	2.938382623
724426.9	3949207	36498	05/12/2011	122455	cpm	1.079095687
724426.6	3949206	34594	05/12/2011	122456	cpm	-0.126654423
724426.3	3949205	29618	05/12/2011	122457	cpm	-3.277816478
724425.8	3949203	31404	05/12/2011	122459	cpm	-2.146792477
724425.7	3949202	30081	05/12/2011	122500	cpm	-2.984611488
724425.5	3949200	31820	05/12/2011	122501	cpm	-1.883351276
724425.2	3949199	30155	05/12/2011	122502	cpm	-2.937749351
724425.1	3949198	26108	05/12/2011	122503	cpm	-5.500601609
724425	3949197	30199	05/12/2011	122504	cpm	-2.909885378
724424.8	3949196	30829	05/12/2011	122505	cpm	-2.510923944
724424.5	3949195	34437	05/12/2011	122506	cpm	-0.226078146
724424.3	3949194	33359	05/12/2011	122507	cpm	-0.908745488
724424.1	3949193	33300	05/12/2011	122508	cpm	-0.946108543
724423.9	3949192	34335	05/12/2011	122509	cpm	-0.290671902
724423.6	3949190	34203	05/12/2011	122511	cpm	-0.374263821
724423.4	3949189	31350	05/12/2011	122512	cpm	-2.180989171
724423.4	3949188	35857	05/12/2011	122513	cpm	0.67316826
724423.3	3949187	34161	05/12/2011	122514	cpm	-0.40086125
724422.7	3949186	35487	05/12/2011	122516	cpm	0.438857577
724421.9	3949186	36172	05/12/2011	122517	cpm	0.872648977
724420.9	3949186	33703	05/12/2011	122518	cpm	-0.69089988
724419.9	3949186	34615	05/12/2011	122519	cpm	-0.113355709
724419	3949186	31934	05/12/2011	122520	cpm	-1.811158255
724418.1	3949186	31563	05/12/2011	122521	cpm	-2.04610221
724417.7	3949186	34890	05/12/2011	122523	cpm	0.060794123
724417.7	3949186	37342	05/12/2011	122524	cpm	1.613577354
724417.7	3949186	35255	05/12/2011	122525	cpm	0.291938446
724417.7	3949186	32173	05/12/2011	122526	cpm	-1.659806219
724417.7	3949186	33735	05/12/2011	122528	cpm	-0.670635172
724417.8	3949186	33903	05/12/2011	122529	cpm	-0.564245456
724417.7	3949187	35416	05/12/2011	122530	cpm	0.393895257
724417.7	3949188	36244	05/12/2011	122531	cpm	0.91824457
724417.9	3949190	32401	05/12/2011	122532	cpm	-1.515420176
724418	3949191	31170	05/12/2011	122533	cpm	-2.294978152
724418.1	3949192	32032	05/12/2011	122534	cpm	-1.749097587
724418.5	3949195	33868	05/12/2011	122536	cpm	-0.58640998
724418.7	3949196	34507	05/12/2011	122537	cpm	-0.181749098

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

						Estimated Ra-226 concentration pCi/g)
X	Y	RESULTS	DATE	TIME	UNITS	$y = 1579.1x + 34794$
724419	3949197	36676	05/12/2011	122538	cpm	1.191818124
724419.1	3949199	34459	05/12/2011	122539	cpm	-0.212146159
724419.2	3949200	39571	05/12/2011	122540	cpm	3.025140903
724419.8	3949203	30845	05/12/2011	122542	cpm	-2.50079159
724420.1	3949205	28171	05/12/2011	122543	cpm	-4.194161231
724420.4	3949206	32332	05/12/2011	122544	cpm	-1.559115952
724420.8	3949207	31363	05/12/2011	122545	cpm	-2.172756634
724421	3949208	35171	05/12/2011	122546	cpm	0.238743588
724420.9	3949210	34202	05/12/2011	122547	cpm	-0.374897093
724421.1	3949213	38910	05/12/2011	122549	cpm	2.606548034
724421.3	3949214	36907	05/12/2011	122550	cpm	1.338103983
724421.6	3949215	33647	05/12/2011	122551	cpm	-0.726363118
724421.9	3949217	36963	05/12/2011	122552	cpm	1.373567222
724422.1	3949220	36915	05/12/2011	122554	cpm	1.34317016
724422.2	3949221	33948	05/12/2011	122555	cpm	-0.535748211
724422.4	3949223	38817	05/12/2011	122556	cpm	2.547653727
724422.4	3949224	35144	05/12/2011	122557	cpm	0.221645241
724422.5	3949225	36626	05/12/2011	122558	cpm	1.160154518
724422.9	3949226	37146	05/12/2011	122559	cpm	1.489456019
724423.4	3949229	37066	05/12/2011	122601	cpm	1.43879425
724423.2	3949230	33986	05/12/2011	122602	cpm	-0.511683871
724423.3	3949232	34416	05/12/2011	122603	cpm	-0.23937686
724423.6	3949233	34122	05/12/2011	122604	cpm	-0.425558863
724423.7	3949234	35600	05/12/2011	122605	cpm	0.510417326
724423.9	3949235	33530	05/12/2011	122606	cpm	-0.800455956
724424.2	3949237	34602	05/12/2011	122607	cpm	-0.121588246
724424.4	3949238	37750	05/12/2011	122608	cpm	1.871952378
724424.3	3949239	34457	05/12/2011	122609	cpm	-0.213412703
724424.3	3949240	33874	05/12/2011	122610	cpm	-0.582610348
724424.9	3949243	35588	05/12/2011	122612	cpm	0.502818061
724425.1	3949244	37007	05/12/2011	122613	cpm	1.401431195
724425.4	3949245	35981	05/12/2011	122614	cpm	0.751694003
724425.6	3949246	34735	05/12/2011	122615	cpm	-0.037363055
724425.8	3949248	33641	05/12/2011	122616	cpm	-0.730162751
724425.9	3949249	33340	05/12/2011	122617	cpm	-0.920777658
724426.1	3949250	35665	05/12/2011	122618	cpm	0.551580014
724426.2	3949251	36906	05/12/2011	122619	cpm	1.337470711
724426.5	3949252	35626	05/12/2011	122620	cpm	0.526882401
724427.2	3949255	39576	05/12/2011	122622	cpm	3.028307264
724427.4	3949256	36984	05/12/2011	122623	cpm	1.386865936
724427.9	3949258	37356	05/12/2011	122625	cpm	1.622443164
724428.4	3949259	36069	05/12/2011	122626	cpm	0.807421949

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724428.7	3949260	35147	05/12/2011	122627	cpm	0.223545057
724428.9	3949262	38848	05/12/2011	122628	cpm	2.567285162
724429.5	3949264	39182	05/12/2011	122630	cpm	2.77879805
724429.5	3949265	38025	05/12/2011	122631	cpm	2.04610221
724429.7	3949266	35186	05/12/2011	122632	cpm	0.24824267
724430.1	3949267	38346	05/12/2011	122633	cpm	2.24938256
724430.4	3949268	37876	05/12/2011	122634	cpm	1.951744665
724430.8	3949270	37969	05/12/2011	122635	cpm	2.010638972
724431.2	3949271	38382	05/12/2011	122636	cpm	2.272180356
724432	3949274	37945	05/12/2011	122638	cpm	1.995440441
724432.4	3949275	36246	05/12/2011	122639	cpm	0.919511114
724432.7	3949276	35701	05/12/2011	122640	cpm	0.57437781
724432.8	3949277	34875	05/12/2011	122641	cpm	0.051295041
724433	3949278	36214	05/12/2011	122642	cpm	0.899246406
724433.4	3949281	37191	05/12/2011	122644	cpm	1.517953265
724433.3	3949282	39027	05/12/2011	122645	cpm	2.680640871
724433.4	3949283	47137	05/12/2011	122646	cpm	7.81647774
724433.6	3949285	37164	05/12/2011	122647	cpm	1.500854917
724433.9	3949286	39501	05/12/2011	122648	cpm	2.980811855
724434.2	3949287	34895	05/12/2011	122649	cpm	0.063960484
724434.5	3949288	36293	05/12/2011	122650	cpm	0.949274903
724435.1	3949291	38143	05/12/2011	122652	cpm	2.12082832
724435	3949292	38786	05/12/2011	122653	cpm	2.528022291
724435.2	3949293	40506	05/12/2011	122654	cpm	3.617250332
724435.8	3949294	42256	05/12/2011	122655	cpm	4.725476537
724436.1	3949296	40043	05/12/2011	122656	cpm	3.324045342
724436.1	3949297	40371	05/12/2011	122657	cpm	3.531758597
724436	3949298	38772	05/12/2011	122658	cpm	2.519156482
724435.9	3949299	40173	05/12/2011	122659	cpm	3.406370717
724435.9	3949301	36503	05/12/2011	122700	cpm	1.082262048
724436	3949302	41225	05/12/2011	122701	cpm	4.072572985
724436.8	3949305	38836	05/12/2011	122703	cpm	2.559685897
724437	3949306	39589	05/12/2011	122704	cpm	3.036539801
724437.3	3949307	35127	05/12/2011	122705	cpm	0.210879615
724437.7	3949308	35383	05/12/2011	122706	cpm	0.372997277
724438	3949311	36531	05/12/2011	122708	cpm	1.099993667
724438.1	3949312	37662	05/12/2011	122709	cpm	1.816224432
724438.1	3949313	38755	05/12/2011	122710	cpm	2.508390856
724438.1	3949314	40799	05/12/2011	122711	cpm	3.802799063
724438.1	3949315	39389	05/12/2011	122712	cpm	2.909885378
724438.1	3949316	38467	05/12/2011	122713	cpm	2.326008486
724438.1	3949319	35896	05/12/2011	122715	cpm	0.697865873

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724438.3	3949320	35134	05/12/2011	122716	cpm	0.21531252
724438.3	3949321	37253	05/12/2011	122717	cpm	1.557216136
724438.2	3949322	38216	05/12/2011	122718	cpm	2.167057184
724438.4	3949324	37946	05/12/2011	122720	cpm	1.996073713
724438.3	3949325	35826	05/12/2011	122721	cpm	0.653536825
724437.7	3949325	36496	05/12/2011	122722	cpm	1.077829143
724436.6	3949325	38854	05/12/2011	122723	cpm	2.571084795
724435.5	3949325	36623	05/12/2011	122724	cpm	1.158254702
724433.4	3949325	37116	05/12/2011	122726	cpm	1.470457856
724432.7	3949325	36159	05/12/2011	122727	cpm	0.86441644
724432.6	3949325	34089	05/12/2011	122728	cpm	-0.446456843
724432.5	3949326	35342	05/12/2011	122729	cpm	0.34703312
724432.4	3949326	38921	05/12/2011	122730	cpm	2.613514027
724432.5	3949326	40750	05/12/2011	122732	cpm	3.771768729
724432.5	3949326	37487	05/12/2011	122733	cpm	1.705401811
724432.5	3949326	38681	05/12/2011	122734	cpm	2.461528719
724432.5	3949326	38950	05/12/2011	122735	cpm	2.631878918
724432.6	3949326	35477	05/12/2011	122736	cpm	0.432524856
724432.7	3949325	37969	05/12/2011	122737	cpm	2.010638972
724432.6	3949326	36342	05/12/2011	122738	cpm	0.980305237
724432.6	3949326	36685	05/12/2011	122739	cpm	1.197517573
724432.7	3949326	37551	05/12/2011	122740	cpm	1.745931227
724432.5	3949326	37617	05/12/2011	122742	cpm	1.787727186
724432.3	3949325	37904	05/12/2011	122743	cpm	1.969476284
724432.5	3949325	39716	05/12/2011	122744	cpm	3.11696536
724432.4	3949324	38422	05/12/2011	122745	cpm	2.297511241
724432.8	3949323	37895	05/12/2011	122746	cpm	1.963776835
724433	3949322	37583	05/12/2011	122747	cpm	1.766195934
724433.1	3949320	34296	05/12/2011	122748	cpm	-0.315369514
724433.2	3949319	36024	05/12/2011	122749	cpm	0.778924704
724433.3	3949318	39276	05/12/2011	122750	cpm	2.838325629
724433.4	3949318	37689	05/12/2011	122751	cpm	1.833322779
724433.4	3949318	41162	05/12/2011	122753	cpm	4.032676841
724433.4	3949317	38670	05/12/2011	122754	cpm	2.454562726
724433.2	3949316	39667	05/12/2011	122755	cpm	3.085935026
724432.9	3949315	38839	05/12/2011	122756	cpm	2.561585713
724432.6	3949312	39432	05/12/2011	122758	cpm	2.937116079
724432.5	3949311	37818	05/12/2011	122759	cpm	1.915014882
724432.2	3949310	35704	05/12/2011	122800	cpm	0.576277626
724431.9	3949309	38776	05/12/2011	122801	cpm	2.52168957
724431.8	3949307	36814	05/12/2011	122802	cpm	1.279209676
724431.8	3949306	41693	05/12/2011	122803	cpm	4.368944335

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724431.6	3949304	38893	05/12/2011	122805	cpm	2.595782408
724431.4	3949302	38013	05/12/2011	122806	cpm	2.038502945
724431	3949301	38753	05/12/2011	122807	cpm	2.507124311
724430.9	3949300	39757	05/12/2011	122808	cpm	3.142929517
724430.7	3949297	38919	05/12/2011	122810	cpm	2.612247483
724430.4	3949296	41230	05/12/2011	122811	cpm	4.075739345
724430.1	3949295	36317	05/12/2011	122812	cpm	0.964473434
724430.1	3949294	39289	05/12/2011	122813	cpm	2.846558166
724430	3949292	37512	05/12/2011	122814	cpm	1.721233614
724429.8	3949291	36948	05/12/2011	122815	cpm	1.36406814
724429.5	3949290	35847	05/12/2011	122816	cpm	0.666835539
724429.3	3949288	37461	05/12/2011	122818	cpm	1.688936736
724429.3	3949287	38705	05/12/2011	122819	cpm	2.47672725
724429.1	3949285	37126	05/12/2011	122820	cpm	1.476790577
724429	3949284	35831	05/12/2011	122821	cpm	0.656703185
724428.7	3949283	38644	05/12/2011	122822	cpm	2.438097651
724428.4	3949282	39631	05/12/2011	122823	cpm	3.06313723
724428.1	3949281	34927	05/12/2011	122824	cpm	0.084225192
724428.2	3949280	40532	05/12/2011	122825	cpm	3.633715408
724428.2	3949279	38273	05/12/2011	122826	cpm	2.203153695
724428.2	3949278	37468	05/12/2011	122827	cpm	1.693369641
724428.2	3949278	37537	05/12/2011	122828	cpm	1.737065417
724428.1	3949277	40314	05/12/2011	122829	cpm	3.495662086
724428.1	3949275	39028	05/12/2011	122831	cpm	2.681274143
724428	3949274	35017	05/12/2011	122832	cpm	0.141219682
724427.9	3949273	35064	05/12/2011	122833	cpm	0.170983472
724427.7	3949273	34336	05/12/2011	122834	cpm	-0.29003863
724427.5	3949272	35284	05/12/2011	122835	cpm	0.310303337
724427.1	3949272	36271	05/12/2011	122836	cpm	0.935342917
724427	3949272	36037	05/12/2011	122837	cpm	0.787157241
724427	3949272	36609	05/12/2011	122838	cpm	1.149388892
724427.1	3949272	37232	05/12/2011	122839	cpm	1.543917421
724427.1	3949270	39548	05/12/2011	122840	cpm	3.010575644
724427.1	3949269	37577	05/12/2011	122841	cpm	1.762396302
724427	3949269	38734	05/12/2011	122843	cpm	2.495092141
724426.2	3949269	38663	05/12/2011	122844	cpm	2.450129821
724425.1	3949269	36366	05/12/2011	122845	cpm	0.995503768
724423.9	3949270	39961	05/12/2011	122846	cpm	3.272117029
724422.7	3949270	37650	05/12/2011	122847	cpm	1.808625166
724421.5	3949270	40355	05/12/2011	122848	cpm	3.521626243
724420.2	3949270	38139	05/12/2011	122849	cpm	2.118295231
724418.9	3949271	43164	05/12/2011	122850	cpm	5.30048762

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724417.6	3949271	41181	05/12/2011	122851	cpm	4.044709011
724416.4	3949271	40895	05/12/2011	122852	cpm	3.863593186
724415	3949271	39293	05/12/2011	122853	cpm	2.849091255
724412.4	3949272	36583	05/12/2011	122855	cpm	1.132923817
724411.1	3949272	37256	05/12/2011	122856	cpm	1.559115952
724409.9	3949273	37004	05/12/2011	122857	cpm	1.399531379
724408.7	3949273	38531	05/12/2011	122858	cpm	2.366537901
724407.5	3949274	36122	05/12/2011	122859	cpm	0.840985371
724406.4	3949274	37440	05/12/2011	122900	cpm	1.675638022
724405.1	3949274	35970	05/12/2011	122901	cpm	0.74472801
724403.8	3949275	36682	05/12/2011	122902	cpm	1.195617757
724402.5	3949275	37250	05/12/2011	122903	cpm	1.555316319
724401.6	3949275	38082	05/12/2011	122904	cpm	2.082198721
724400.9	3949276	36430	05/12/2011	122905	cpm	1.036033183
724400.8	3949276	37697	05/12/2011	122906	cpm	1.838388956
724400.8	3949276	37594	05/12/2011	122907	cpm	1.773161928
724400.8	3949276	41288	05/12/2011	122908	cpm	4.112469128
724401	3949276	39002	05/12/2011	122910	cpm	2.664809068
724400.8	3949276	40230	05/12/2011	122911	cpm	3.442467228
724399.9	3949276	36467	05/12/2011	122912	cpm	1.059464252
724397.8	3949276	37334	05/12/2011	122914	cpm	1.608511177
724396.8	3949276	36663	05/12/2011	122915	cpm	1.183585587
724395.9	3949277	39225	05/12/2011	122916	cpm	2.806028751
724394.7	3949277	40106	05/12/2011	122917	cpm	3.363941486
724393.4	3949277	41286	05/12/2011	122918	cpm	4.111202584
724392.2	3949277	39121	05/12/2011	122919	cpm	2.74016845
724390	3949278	36900	05/12/2011	122921	cpm	1.333671078
724388.9	3949278	37665	05/12/2011	122922	cpm	1.818124248
724387.7	3949279	36746	05/12/2011	122923	cpm	1.236147172
724386.6	3949279	36871	05/12/2011	122924	cpm	1.315306187
724386.1	3949279	37207	05/12/2011	122925	cpm	1.528085618
724385.9	3949279	36692	05/12/2011	122926	cpm	1.201950478
724385.5	3949280	36863	05/12/2011	122927	cpm	1.31024001
724384.6	3949280	40571	05/12/2011	122928	cpm	3.65841302
724383.5	3949280	39346	05/12/2011	122929	cpm	2.882654677
724381.9	3949281	41246	05/12/2011	122931	cpm	4.085871699
724381	3949281	37791	05/12/2011	122932	cpm	1.897916535
724379.9	3949281	36898	05/12/2011	122933	cpm	1.332404534
724379	3949282	40361	05/12/2011	122934	cpm	3.525425875
724377.6	3949282	38695	05/12/2011	122936	cpm	2.470394529
724376.7	3949282	34903	05/12/2011	122937	cpm	0.069026661
724376.1	3949283	40886	05/12/2011	122938	cpm	3.857893737



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724375.7	3949283	40581	05/12/2011	122939	cpm	3.664745741
724375.3	3949284	38735	05/12/2011	122940	cpm	2.495725413
724374.7	3949284	35213	05/12/2011	122941	cpm	0.265341017
724374.5	3949284	42823	05/12/2011	122943	cpm	5.084541828
724374.6	3949284	36476	05/12/2011	122944	cpm	1.065163701
724374.6	3949284	34559	05/12/2011	122945	cpm	-0.148818948
724374.6	3949284	37545	05/12/2011	122946	cpm	1.742131594
724374.6	3949284	34466	05/12/2011	122947	cpm	-0.207713254
724374.6	3949284	36006	05/12/2011	122948	cpm	0.767525806
724374.5	3949284	32821	05/12/2011	122949	cpm	-1.249445887
724374.1	3949284	33255	05/12/2011	122950	cpm	-0.974605788
724374.1	3949284	35223	05/12/2011	122951	cpm	0.271673738
724374.1	3949284	33796	05/12/2011	122952	cpm	-0.632005573
724374.1	3949284	38209	05/12/2011	122953	cpm	2.16262428
724374.1	3949284	35532	05/12/2011	122955	cpm	0.467354822
724374	3949284	34443	05/12/2011	122956	cpm	-0.222278513
724374.1	3949284	35730	05/12/2011	122957	cpm	0.592742702
724374.1	3949283	38030	05/12/2011	122958	cpm	2.049268571
724374	3949284	41247	05/12/2011	122959	cpm	4.086504971
724374.2	3949284	36172	05/12/2011	123000	cpm	0.872648977
724374.3	3949284	35983	05/12/2011	123001	cpm	0.752960547
724374.2	3949284	34885	05/12/2011	123002	cpm	0.057627763
724374.1	3949284	34761	05/12/2011	123003	cpm	-0.02089798
724374.2	3949284	37400	05/12/2011	123004	cpm	1.650307137
724374.2	3949284	36860	05/12/2011	123006	cpm	1.308340194
724374.2	3949284	35195	05/12/2011	123007	cpm	0.253942119
724374.2	3949284	34688	05/12/2011	123008	cpm	-0.067126844
724374.2	3949284	38672	05/12/2011	123009	cpm	2.45582927
724374.2	3949284	38679	05/12/2011	123010	cpm	2.460262175
724374.2	3949284	34600	05/12/2011	123011	cpm	-0.122854791
724374.2	3949284	35950	05/12/2011	123012	cpm	0.732062567
724374.4	3949284	41087	05/12/2011	123013	cpm	3.985181432
724374.1	3949284	37361	05/12/2011	123014	cpm	1.625609524
724374.1	3949284	39100	05/12/2011	123015	cpm	2.726869736
724374.1	3949284	39445	05/12/2011	123016	cpm	2.945348616
724374.2	3949284	33321	05/12/2011	123017	cpm	-0.932809828
724374.3	3949284	32000	05/12/2011	123018	cpm	-1.769362295
724374.3	3949284	39560	05/12/2011	123020	cpm	3.01817491
724374.4	3949284	37700	05/12/2011	123021	cpm	1.840288772
724374.2	3949284	38645	05/12/2011	123022	cpm	2.438730923
724374.3	3949284	39061	05/12/2011	123023	cpm	2.702172123
724374.2	3949284	35141	05/12/2011	123024	cpm	0.219745425

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724374.2	3949284	38245	05/12/2011	123025	cpm	2.185422076
724374.1	3949284	36981	05/12/2011	123026	cpm	1.38496612
724374.1	3949284	39155	05/12/2011	123027	cpm	2.761699702
724374.2	3949284	38768	05/12/2011	123028	cpm	2.516623393
724374.5	3949284	41522	05/12/2011	123029	cpm	4.260654803
724374.5	3949284	38400	05/12/2011	123030	cpm	2.283579254
724374.3	3949283	40710	05/12/2011	123032	cpm	3.746437844
724374	3949283	40627	05/12/2011	123033	cpm	3.693876259
724374.1	3949283	38621	05/12/2011	123034	cpm	2.423532392
724374	3949283	36344	05/12/2011	123036	cpm	0.981571781
724374	3949283	36656	05/12/2011	123037	cpm	1.179152682
724374	3949283	34184	05/12/2011	123038	cpm	-0.386295991
724374	3949283	36596	05/12/2011	123039	cpm	1.141156355
724374	3949283	36779	05/12/2011	123040	cpm	1.257045152
724374	3949283	36254	05/12/2011	123041	cpm	0.924577291
724374	3949283	37053	05/12/2011	123042	cpm	1.430561712
724374.1	3949283	38333	05/12/2011	123043	cpm	2.241150022
724374.1	3949283	38773	05/12/2011	123045	cpm	2.519789754
724374	3949283	38103	05/12/2011	123046	cpm	2.095497435
724374	3949283	35955	05/12/2011	123047	cpm	0.735228928
724374	3949283	35397	05/12/2011	123048	cpm	0.381863087
724374	3949283	34612	05/12/2011	123050	cpm	-0.115255525
724374	3949283	37003	05/12/2011	123051	cpm	1.398898107
724374.2	3949284	36040	05/12/2011	123052	cpm	0.789057058
724374.1	3949284	36490	05/12/2011	123053	cpm	1.07402951
724374.2	3949284	37832	05/12/2011	123054	cpm	1.923880692
724374.3	3949284	38528	05/12/2011	123055	cpm	2.364638085
724374.3	3949283	41342	05/12/2011	123056	cpm	4.146665822
724373.3	3949282	34935	05/12/2011	123058	cpm	0.089291369
724373.2	3949282	36483	05/12/2011	123059	cpm	1.069596606
724373.3	3949282	35311	05/12/2011	123100	cpm	0.327401685
724373.5	3949282	39307	05/12/2011	123101	cpm	2.857957064
724373.9	3949283	38936	05/12/2011	123102	cpm	2.623013109
724374.3	3949284	36164	05/12/2011	123103	cpm	0.8675828
724374.9	3949285	34871	05/12/2011	123104	cpm	0.048761953
724375.4	3949286	37307	05/12/2011	123105	cpm	1.59141283
724375.9	3949287	38306	05/12/2011	123106	cpm	2.224051675
724376.5	3949288	38166	05/12/2011	123107	cpm	2.135393579
724377.6	3949291	36121	05/12/2011	123109	cpm	0.840352099
724378.1	3949292	34320	05/12/2011	123110	cpm	-0.300170983
724378.6	3949293	33750	05/12/2011	123111	cpm	-0.66113609
724379.2	3949294	38942	05/12/2011	123112	cpm	2.626812741

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724380.6	3949296	37976	05/12/2011	123114	cpm	2.015071876
724381.1	3949297	37994	05/12/2011	123115	cpm	2.026470774
724381.5	3949298	39588	05/12/2011	123116	cpm	3.035906529
724382	3949299	38727	05/12/2011	123117	cpm	2.490659236
724382.7	3949300	39111	05/12/2011	123118	cpm	2.733835729
724383.3	3949301	35548	05/12/2011	123119	cpm	0.477487176
724384.5	3949303	35827	05/12/2011	123121	cpm	0.654170097
724385	3949305	36526	05/12/2011	123122	cpm	1.096827307
724385.6	3949306	33521	05/12/2011	123123	cpm	-0.806155405
724386.2	3949307	36655	05/12/2011	123124	cpm	1.17851941
724387.2	3949309	36086	05/12/2011	123126	cpm	0.818187575
724387.8	3949310	37611	05/12/2011	123127	cpm	1.783927554
724388.4	3949311	41472	05/12/2011	123128	cpm	4.228991198
724389	3949312	42228	05/12/2011	123129	cpm	4.707744918
724389.6	3949313	38787	05/12/2011	123130	cpm	2.528655563
724390.2	3949314	34506	05/12/2011	123131	cpm	-0.18238237
724391.4	3949316	37906	05/12/2011	123133	cpm	1.970742828
724392	3949317	40046	05/12/2011	123134	cpm	3.325945159
724392.6	3949318	38721	05/12/2011	123135	cpm	2.486859604
724393.1	3949319	40040	05/12/2011	123136	cpm	3.322145526
724394.4	3949321	38367	05/12/2011	123138	cpm	2.262681274
724394.8	3949322	39142	05/12/2011	123139	cpm	2.753467165
724395.1	3949323	39095	05/12/2011	123140	cpm	2.723703375
724395.6	3949324	42263	05/12/2011	123141	cpm	4.729909442
724396	3949324	39456	05/12/2011	123142	cpm	2.95231461
724396.4	3949325	41754	05/12/2011	123143	cpm	4.407573935
724396.9	3949326	36898	05/12/2011	123144	cpm	1.332404534
724396.9	3949326	36464	05/12/2011	123146	cpm	1.057564435
724396.9	3949326	39266	05/12/2011	123147	cpm	2.831992907
724396.7	3949326	42096	05/12/2011	123148	cpm	4.624152999
724396.7	3949326	42828	05/12/2011	123149	cpm	5.087708188
724396.7	3949326	38756	05/12/2011	123150	cpm	2.509024128
724396.8	3949326	39479	05/12/2011	123151	cpm	2.966879868
724396.8	3949326	39929	05/12/2011	123152	cpm	3.251852321
724397.2	3949326	37312	05/12/2011	123153	cpm	1.594579191
724398.2	3949326	40648	05/12/2011	123154	cpm	3.707174973
724399.3	3949326	38872	05/12/2011	123155	cpm	2.582483693
724400.6	3949326	38908	05/12/2011	123156	cpm	2.605281489
724401.9	3949326	34627	05/12/2011	123157	cpm	-0.105756444
724403.2	3949326	39196	05/12/2011	123158	cpm	2.787663859
724405.9	3949326	40399	05/12/2011	123200	cpm	3.549490216
724407.2	3949326	37399	05/12/2011	123201	cpm	1.649673865

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724408.4	3949326	39567	05/12/2011	123202	cpm	3.022607815
724411.1	3949326	39605	05/12/2011	123204	cpm	3.046672155
724412.4	3949326	34831	05/12/2011	123205	cpm	0.023431068
724413.8	3949326	37117	05/12/2011	123206	cpm	1.471091128
724415.1	3949326	37509	05/12/2011	123207	cpm	1.719333798
724416.5	3949326	40037	05/12/2011	123208	cpm	3.32024571
724417.9	3949326	39469	05/12/2011	123209	cpm	2.960547147
724419.2	3949326	35727	05/12/2011	123210	cpm	0.590842885
724421.8	3949326	36592	05/12/2011	123212	cpm	1.138623266
724423.1	3949326	36598	05/12/2011	123213	cpm	1.142422899
724424.4	3949326	39360	05/12/2011	123214	cpm	2.891520486
724427	3949325	37267	05/12/2011	123216	cpm	1.566081945
724428.4	3949325	36556	05/12/2011	123217	cpm	1.11582547
724429.7	3949325	39589	05/12/2011	123218	cpm	3.036539801
724431.1	3949325	36927	05/12/2011	123219	cpm	1.350769426
724432.5	3949326	34612	05/12/2011	123220	cpm	-0.115255525
724433.9	3949326	38893	05/12/2011	123221	cpm	2.595782408
724436.6	3949326	39183	05/12/2011	123223	cpm	2.779431322
724438	3949325	38475	05/12/2011	123224	cpm	2.331074663
724439.3	3949325	37128	05/12/2011	123225	cpm	1.478057121
724440.7	3949325	37555	05/12/2011	123226	cpm	1.748464315
724442	3949325	35609	05/12/2011	123227	cpm	0.516116775
724443.4	3949325	33352	05/12/2011	123228	cpm	-0.913178393
724444.8	3949325	39508	05/12/2011	123229	cpm	2.98524476
724446.2	3949325	38227	05/12/2011	123230	cpm	2.174023178
724447.6	3949325	36706	05/12/2011	123231	cpm	1.210816288
724450.3	3949325	36806	05/12/2011	123233	cpm	1.274143499
724451.6	3949324	41391	05/12/2011	123234	cpm	4.177696156
724453	3949325	37948	05/12/2011	123235	cpm	1.997340257
724454.4	3949325	39999	05/12/2011	123236	cpm	3.296181369
724455.8	3949325	40359	05/12/2011	123237	cpm	3.524159331
724457.1	3949325	39670	05/12/2011	123238	cpm	3.087834843
724458.5	3949325	38177	05/12/2011	123239	cpm	2.142359572
724459.8	3949325	37804	05/12/2011	123240	cpm	1.906149072
724461.1	3949324	36181	05/12/2011	123241	cpm	0.878348426
724463.6	3949324	36015	05/12/2011	123243	cpm	0.773225255
724464.8	3949324	38253	05/12/2011	123244	cpm	2.190488253
724466.1	3949324	38363	05/12/2011	123245	cpm	2.260148186
724467.3	3949324	42950	05/12/2011	123246	cpm	5.164967386
724468.6	3949324	38937	05/12/2011	123247	cpm	2.623646381
724469.8	3949324	36674	05/12/2011	123248	cpm	1.19055158
724471.2	3949324	35748	05/12/2011	123249	cpm	0.6041416

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724472.5	3949324	38847	05/12/2011	123250	cpm	2.56665189
724473.9	3949324	36561	05/12/2011	123251	cpm	1.118991831
724475.3	3949324	35900	05/12/2011	123252	cpm	0.700398961
724478	3949324	33605	05/12/2011	123254	cpm	-0.752960547
724479.3	3949324	36271	05/12/2011	123255	cpm	0.935342917
724480.6	3949324	41677	05/12/2011	123256	cpm	4.358811982
724483.2	3949323	36566	05/12/2011	123258	cpm	1.122158191
724484.6	3949323	40401	05/12/2011	123259	cpm	3.55075676
724486	3949323	38990	05/12/2011	123300	cpm	2.657209803
724487.2	3949324	38877	05/12/2011	123301	cpm	2.585650054
724488.2	3949323	36509	05/12/2011	123302	cpm	1.086061681
724489.1	3949323	37777	05/12/2011	123303	cpm	1.889050725
724489.5	3949324	42144	05/12/2011	123305	cpm	4.65455006
724489.4	3949324	39306	05/12/2011	123306	cpm	2.857323792
724489.3	3949323	37606	05/12/2011	123307	cpm	1.780761193
724489.3	3949323	36070	05/12/2011	123308	cpm	0.808055221
724489.3	3949323	35687	05/12/2011	123309	cpm	0.565512001
724489.4	3949323	35981	05/12/2011	123310	cpm	0.751694003
724489.4	3949323	38155	05/12/2011	123311	cpm	2.128427585
724489.4	3949323	35879	05/12/2011	123312	cpm	0.687100247
724489.4	3949323	37109	05/12/2011	123313	cpm	1.466024951
724489.4	3949323	36667	05/12/2011	123315	cpm	1.186118675
724489.4	3949323	42166	05/12/2011	123316	cpm	4.668482047
724489.4	3949323	41111	05/12/2011	123317	cpm	4.000379963
724489.4	3949323	35532	05/12/2011	123318	cpm	0.467354822
724489.4	3949323	38493	05/12/2011	123319	cpm	2.342473561
724489.4	3949323	37103	05/12/2011	123320	cpm	1.462225318
724489.4	3949323	37355	05/12/2011	123321	cpm	1.621809892
724489.4	3949323	38259	05/12/2011	123322	cpm	2.194287886
724489.4	3949323	36174	05/12/2011	123323	cpm	0.873915521
724489.3	3949323	39073	05/12/2011	123325	cpm	2.709771389
724489.3	3949323	36948	05/12/2011	123326	cpm	1.36406814
724489.3	3949323	37887	05/12/2011	123327	cpm	1.958710658
724489.3	3949323	38923	05/12/2011	123328	cpm	2.614780571
724489.3	3949323	43060	05/12/2011	123329	cpm	5.234627319
724489.3	3949323	40195	05/12/2011	123330	cpm	3.420302704
724489.3	3949323	40798	05/12/2011	123331	cpm	3.802165791
724489.3	3949323	37589	05/12/2011	123332	cpm	1.769995567
724489.3	3949323	37417	05/12/2011	123333	cpm	1.661072763
724489.3	3949323	36354	05/12/2011	123335	cpm	0.987904503
724489.3	3949323	35728	05/12/2011	123336	cpm	0.591476157
724489.3	3949323	38143	05/12/2011	123337	cpm	2.12082832

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724489.3	3949323	38725	05/12/2011	123338	cpm	2.489392692
724489.3	3949323	37101	05/12/2011	123339	cpm	1.460958774
724489.3	3949323	38405	05/12/2011	123340	cpm	2.286745615
724489.3	3949323	37021	05/12/2011	123341	cpm	1.410297005
724489.3	3949323	37875	05/12/2011	123342	cpm	1.951111393
724489.3	3949323	36588	05/12/2011	123343	cpm	1.136090178
724489.3	3949323	35787	05/12/2011	123345	cpm	0.628839212
724489.3	3949323	36637	05/12/2011	123346	cpm	1.167120512
724489.3	3949323	39969	05/12/2011	123347	cpm	3.277183206
724489.3	3949323	40125	05/12/2011	123348	cpm	3.375973656
724489.3	3949323	38291	05/12/2011	123349	cpm	2.214552593
724489.3	3949323	40443	05/12/2011	123350	cpm	3.577354189
724489.3	3949323	39120	05/12/2011	123351	cpm	2.739535178
724489.3	3949323	38130	05/12/2011	123352	cpm	2.112595782
724489.3	3949323	35242	05/12/2011	123353	cpm	0.283705908
724489.3	3949323	40190	05/12/2011	123355	cpm	3.417136343
724489.3	3949323	41067	05/12/2011	123356	cpm	3.97251599
724489.3	3949323	37657	05/12/2011	123357	cpm	1.813058071
724489.3	3949323	35428	05/12/2011	123358	cpm	0.401494522
724489.3	3949323	37807	05/12/2011	123359	cpm	1.908048889
724489.3	3949323	39601	05/12/2011	123400	cpm	3.044139067
724489.3	3949323	44430	05/12/2011	123401	cpm	6.10221012
724489.3	3949323	35527	05/12/2011	123402	cpm	0.464188462
724489.3	3949323	34292	05/12/2011	123403	cpm	-0.317902603
724489.3	3949323	32693	05/12/2011	123405	cpm	-1.330504718
724489.3	3949323	37153	05/12/2011	123406	cpm	1.493888924
724489.3	3949323	38794	05/12/2011	123407	cpm	2.533088468
724489.3	3949323	39068	05/12/2011	123408	cpm	2.706605028
724489.3	3949323	37397	05/12/2011	123409	cpm	1.648407321
724489.3	3949323	37879	05/12/2011	123410	cpm	1.953644481
724489.3	3949323	37669	05/12/2011	123411	cpm	1.820657336
724489.3	3949323	39327	05/12/2011	123412	cpm	2.870622506
724489.3	3949323	37492	05/12/2011	123413	cpm	1.708568172
724489.2	3949323	36583	05/12/2011	123415	cpm	1.132923817
724489.2	3949323	39415	05/12/2011	123416	cpm	2.926350453
724489.3	3949323	36194	05/12/2011	123417	cpm	0.886580964
724489.4	3949323	42057	05/12/2011	123418	cpm	4.599455386
724489.4	3949323	37844	05/12/2011	123419	cpm	1.931479957
724489.4	3949323	39671	05/12/2011	123420	cpm	3.088468115
724489.4	3949323	37127	05/12/2011	123421	cpm	1.477423849
724489.4	3949323	37211	05/12/2011	123422	cpm	1.530618707
724489.4	3949323	39783	05/12/2011	123423	cpm	3.159394592

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724489.4	3949323	37245	05/12/2011	123425	cpm	1.552149959
724489.4	3949323	37571	05/12/2011	123426	cpm	1.758596669
724489.4	3949323	42273	05/12/2011	123427	cpm	4.736242163
724489.4	3949323	37877	05/12/2011	123428	cpm	1.952377937
724489.4	3949323	40249	05/12/2011	123429	cpm	3.454499398
724489.4	3949323	36822	05/12/2011	123430	cpm	1.284275853
724489.4	3949323	37645	05/12/2011	123431	cpm	1.805458806
724489.3	3949323	38061	05/12/2011	123432	cpm	2.068900006
724489.4	3949323	37025	05/12/2011	123433	cpm	1.412830093
724489.4	3949323	42196	05/12/2011	123435	cpm	4.68748021
724489.4	3949323	38179	05/12/2011	123436	cpm	2.143626116
724489.4	3949323	41311	05/12/2011	123437	cpm	4.127034387
724489.4	3949323	37867	05/12/2011	123438	cpm	1.946045216
724489.4	3949323	41177	05/12/2011	123439	cpm	4.042175923
724489.4	3949323	35704	05/12/2011	123440	cpm	0.576277626
724489.4	3949323	36886	05/12/2011	123441	cpm	1.324805269
724489.4	3949323	37061	05/12/2011	123442	cpm	1.435627889
724489.4	3949323	35095	05/12/2011	123443	cpm	0.190614907
724489.4	3949323	36404	05/12/2011	123445	cpm	1.019568108
724489.4	3949323	40691	05/12/2011	123446	cpm	3.734405674
724489.4	3949323	41732	05/12/2011	123447	cpm	4.393641948
724489.4	3949323	35353	05/12/2011	123448	cpm	0.353999113
724489.4	3949323	39588	05/12/2011	123449	cpm	3.035906529
724489.4	3949323	40527	05/12/2011	123450	cpm	3.630549047
724489.3	3949323	34941	05/12/2011	123451	cpm	0.093091001
724489.5	3949323	37775	05/12/2011	123452	cpm	1.887784181
724489.6	3949323	35273	05/12/2011	123453	cpm	0.303337344
724489.6	3949323	39928	05/12/2011	123454	cpm	3.251219049
724489.4	3949323	40312	05/12/2011	123456	cpm	3.494395542
724489.4	3949323	38002	05/12/2011	123457	cpm	2.031536951
724489.5	3949323	37841	05/12/2011	123458	cpm	1.929580141
724489.5	3949323	38885	05/12/2011	123459	cpm	2.590716231
724489.6	3949323	35731	05/12/2011	123500	cpm	0.593375974
724489.6	3949323	39382	05/12/2011	123501	cpm	2.905452473
724489.5	3949323	40085	05/12/2011	123502	cpm	3.350642771
724489.4	3949324	41071	05/12/2011	123504	cpm	3.975049079
724489.4	3949324	37267	05/12/2011	123505	cpm	1.566081945
724489.4	3949323	38636	05/12/2011	123506	cpm	2.433031474
724489.4	3949323	39419	05/12/2011	123507	cpm	2.928883541
724489.4	3949323	34995	05/12/2011	123508	cpm	0.127287696
724489.4	3949323	39108	05/12/2011	123509	cpm	2.731935913
724489.4	3949323	38337	05/12/2011	123510	cpm	2.243683111

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724489.5	3949323	36164	05/12/2011	123511	cpm	0.8675828
724489.5	3949323	36551	05/12/2011	123513	cpm	1.11265911
724489.5	3949323	35327	05/12/2011	123514	cpm	0.337534038
724489.5	3949323	38021	05/12/2011	123515	cpm	2.043569122
724489.5	3949323	38624	05/12/2011	123516	cpm	2.425432208
724489.4	3949323	37706	05/12/2011	123517	cpm	1.844088405
724489.3	3949323	37206	05/12/2011	123518	cpm	1.527452346
724489.3	3949323	38911	05/12/2011	123519	cpm	2.607181306
724489.3	3949323	37627	05/12/2011	123520	cpm	1.794059908
724489.3	3949323	37697	05/12/2011	123522	cpm	1.838388956
724489.3	3949323	36094	05/12/2011	123523	cpm	0.823253752
724489.3	3949323	36973	05/12/2011	123524	cpm	1.379899943
724489.4	3949323	40043	05/12/2011	123526	cpm	3.324045342
724489.4	3949323	35690	05/12/2011	123527	cpm	0.567411817
724489.3	3949323	36102	05/12/2011	123528	cpm	0.828319929
724489.3	3949323	36505	05/12/2011	123529	cpm	1.083528592
724489.3	3949323	35076	05/12/2011	123530	cpm	0.178582737
724489.3	3949323	35799	05/12/2011	123532	cpm	0.636438478
724489.3	3949323	39339	05/12/2011	123533	cpm	2.878221772
724489.3	3949323	36426	05/12/2011	123534	cpm	1.033500095
724489.3	3949323	38086	05/12/2011	123535	cpm	2.084731809
724489.3	3949323	36491	05/12/2011	123536	cpm	1.074662783
724489.3	3949323	34173	05/12/2011	123537	cpm	-0.393261985
724489.2	3949323	37013	05/12/2011	123538	cpm	1.405230828
724489.3	3949323	35413	05/12/2011	123539	cpm	0.39199544
724489.2	3949323	37773	05/12/2011	123541	cpm	1.886517637
724489	3949323	37073	05/12/2011	123542	cpm	1.443227155
724489	3949323	41758	05/12/2011	123543	cpm	4.410107023
724489	3949323	37792	05/12/2011	123544	cpm	1.898549807
724489	3949323	36988	05/12/2011	123545	cpm	1.389399025
724489	3949323	38827	05/12/2011	123546	cpm	2.553986448
724489	3949323	40366	05/12/2011	123547	cpm	3.528592236
724489.2	3949323	38351	05/12/2011	123548	cpm	2.25254892
724489.3	3949323	38688	05/12/2011	123550	cpm	2.465961624
724489.3	3949323	36252	05/12/2011	123551	cpm	0.923310747
724489.2	3949323	36720	05/12/2011	123552	cpm	1.219682097
724489.3	3949323	36457	05/12/2011	123554	cpm	1.053131531
724489.3	3949323	35934	05/12/2011	123555	cpm	0.721930213
724489.3	3949323	39433	05/12/2011	123556	cpm	2.937749351
724489.3	3949323	40788	05/12/2011	123557	cpm	3.795833069
724489.3	3949323	36957	05/12/2011	123558	cpm	1.369767589
724489.3	3949323	36989	05/12/2011	123600	cpm	1.390032297



Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724489.3	3949323	35947	05/12/2011	123601	cpm	0.730162751
724489.3	3949323	35396	05/12/2011	123602	cpm	0.381229814
724489.3	3949323	37649	05/12/2011	123603	cpm	1.807991894
724489.3	3949323	38212	05/12/2011	123604	cpm	2.164524096
724489.2	3949323	36073	05/12/2011	123605	cpm	0.809955038
724489.2	3949323	39618	05/12/2011	123606	cpm	3.054904693
724489.2	3949323	37834	05/12/2011	123608	cpm	1.925147236
724489.2	3949323	38348	05/12/2011	123609	cpm	2.250649104
724489.2	3949323	36326	05/12/2011	123610	cpm	0.970172883
724489.2	3949323	35735	05/12/2011	123612	cpm	0.595909062
724489.2	3949323	37613	05/12/2011	123613	cpm	1.785194098
724489.2	3949323	40153	05/12/2011	123614	cpm	3.393705275
724489.2	3949323	36168	05/12/2011	123615	cpm	0.870115889
724489.2	3949323	37422	05/12/2011	123616	cpm	1.664239124
724489.3	3949323	34645	05/12/2011	123618	cpm	-0.094357545
724489.3	3949323	37851	05/12/2011	123619	cpm	1.935912862
724489.3	3949323	34675	05/12/2011	123620	cpm	-0.075359382
724489.3	3949323	35069	05/12/2011	123622	cpm	0.174149832
724489.3	3949323	37597	05/12/2011	123623	cpm	1.775061744
724489.3	3949323	38139	05/12/2011	123624	cpm	2.118295231
724489.3	3949323	38844	05/12/2011	123625	cpm	2.564752074
724489.3	3949323	38811	05/12/2011	123626	cpm	2.543854094
724489.3	3949323	37812	05/12/2011	123627	cpm	1.911215249
724489.3	3949323	36153	05/12/2011	123628	cpm	0.860616807
724489.5	3949323	39758	05/12/2011	123630	cpm	3.143562789
724489.3	3949324	38079	05/12/2011	123631	cpm	2.080298904
724489.3	3949324	37345	05/12/2011	123632	cpm	1.615477171
724489.3	3949324	37696	05/12/2011	123634	cpm	1.837755684
724489.3	3949324	38644	05/12/2011	123635	cpm	2.438097651
724489.3	3949324	37801	05/12/2011	123636	cpm	1.904249256
724489.3	3949324	37050	05/12/2011	123637	cpm	1.428661896
724489.3	3949324	38182	05/12/2011	123638	cpm	2.145525932
724489.3	3949324	38975	05/12/2011	123639	cpm	2.647710721
724489.4	3949323	36654	05/12/2011	123641	cpm	1.177886138
724489.2	3949323	37843	05/12/2011	123642	cpm	1.930846685
724488.8	3949323	38170	05/12/2011	123643	cpm	2.137926667
724488.6	3949322	36032	05/12/2011	123644	cpm	0.783990881
724488.5	3949321	34928	05/12/2011	123645	cpm	0.084858464
724488.2	3949320	38972	05/12/2011	123646	cpm	2.645810905
724488.1	3949319	39593	05/12/2011	123647	cpm	3.03907289
724488	3949317	39568	05/12/2011	123648	cpm	3.023241087
724487.4	3949315	37012	05/12/2011	123650	cpm	1.404597556

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
724487	3949314	34303	05/12/2011	123651	cpm	-0.310936609
724486.7	3949313	39711	05/12/2011	123652	cpm	3.113798999
724486.3	3949312	35877	05/12/2011	123653	cpm	0.685833703
724486	3949311	34799	05/12/2011	123654	cpm	0.003166361
724485.8	3949310	35370	05/12/2011	123655	cpm	0.364764739
724485.7	3949308	41902	05/12/2011	123656	cpm	4.501298208
724485.6	3949307	40535	05/12/2011	123657	cpm	3.635615224
724485.2	3949306	38243	05/12/2011	123658	cpm	2.184155532
724484.5	3949304	36051	05/12/2011	123700	cpm	0.796023051
724484.2	3949303	41742	05/12/2011	123701	cpm	4.399974669
724484	3949302	38541	05/12/2011	123702	cpm	2.372870623
724483.9	3949301	35885	05/12/2011	123703	cpm	0.69089988
724483.7	3949299	34591	05/12/2011	123704	cpm	-0.12855424
724483.6	3949298	39577	05/12/2011	123705	cpm	3.028940536
724483.6	3949297	39564	05/12/2011	123706	cpm	3.020707998
724483.3	3949295	41781	05/12/2011	123708	cpm	4.424672282
724483.3	3949293	39995	05/12/2011	123709	cpm	3.293648281
724483.2	3949292	40599	05/12/2011	123710	cpm	3.676144639
724482.6	3949290	42752	05/12/2011	123712	cpm	5.039579507
724482.4	3949289	40208	05/12/2011	123713	cpm	3.428535242
724482.3	3949288	37262	05/12/2011	123714	cpm	1.562915585
724482.5	3949286	37275	05/12/2011	123715	cpm	1.571148122
724482.4	3949285	37278	05/12/2011	123716	cpm	1.573047939
724482	3949284	35239	05/12/2011	123717	cpm	0.281806092
724481.8	3949281	36800	05/12/2011	123719	cpm	1.270343867
724481.5	3949280	38067	05/12/2011	123720	cpm	2.072699639
724481.3	3949278	35281	05/12/2011	123722	cpm	0.308403521
724480.8	3949277	40680	05/12/2011	123723	cpm	3.727439681
724480.4	3949276	38100	05/12/2011	123724	cpm	2.093597619
724480.5	3949275	37215	05/12/2011	123725	cpm	1.533151795
724480.7	3949274	42333	05/12/2011	123726	cpm	4.77423849
724480.6	3949273	43703	05/12/2011	123727	cpm	5.641821291
724480.4	3949271	44226	05/12/2011	123729	cpm	5.973022608
724480.2	3949270	35636	05/12/2011	123730	cpm	0.533215123
724479.4	3949269	42045	05/12/2011	123732	cpm	4.591856121
724479.3	3949269	42281	05/12/2011	123733	cpm	4.74130834
724479.4	3949269	41200	05/12/2011	123734	cpm	4.056741182
724479.6	3949269	40720	05/12/2011	123735	cpm	3.752770566
724480.4	3949269	40690	05/12/2011	123736	cpm	3.733772402
724481.5	3949268	39662	05/12/2011	123737	cpm	3.082768666
724483.4	3949268	38445	05/12/2011	123739	cpm	2.312076499
724484.6	3949268	39041	05/12/2011	123740	cpm	2.689506681

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724485.6	3949268	38657	05/12/2011	123741	cpm	2.446330188
724486.7	3949267	39814	05/12/2011	123742	cpm	3.179026027
724487.9	3949267	41243	05/12/2011	123743	cpm	4.083971883
724489.1	3949267	37251	05/12/2011	123744	cpm	1.555949592
724490.3	3949267	37452	05/12/2011	123745	cpm	1.683237287
724491.6	3949267	37833	05/12/2011	123746	cpm	1.924513964
724492.9	3949266	40538	05/12/2011	123747	cpm	3.63751504
724494.2	3949267	38364	05/12/2011	123748	cpm	2.260781458
724496.7	3949266	36591	05/12/2011	123750	cpm	1.137989994
724498	3949266	38907	05/12/2011	123751	cpm	2.604648217
724499.2	3949266	42007	05/12/2011	123752	cpm	4.56779178
724501.2	3949265	39707	05/12/2011	123754	cpm	3.111265911
724503.1	3949265	37956	05/12/2011	123756	cpm	2.002406434
724503.8	3949265	35469	05/12/2011	123757	cpm	0.427458679
724504	3949265	39137	05/12/2011	123758	cpm	2.750300804
724504.9	3949265	38074	05/12/2011	123759	cpm	2.077132544
724506	3949265	38918	05/12/2011	123800	cpm	2.611614211
724506.9	3949265	36789	05/12/2011	123801	cpm	1.263377873
724507.1	3949267	35777	05/12/2011	123803	cpm	0.622506491
724507.4	3949268	37654	05/12/2011	123804	cpm	1.811158255
724507.6	3949268	37853	05/12/2011	123805	cpm	1.937179406
724508	3949269	38151	05/12/2011	123806	cpm	2.125894497
724508.5	3949270	34844	05/12/2011	123807	cpm	0.031663606
724508.7	3949271	36131	05/12/2011	123808	cpm	0.84668482
724508.2	3949271	36152	05/12/2011	123809	cpm	0.859983535
724506.3	3949272	35768	05/12/2011	123811	cpm	0.616807042
724505.3	3949272	38903	05/12/2011	123812	cpm	2.602115129
724504.1	3949272	37835	05/12/2011	123813	cpm	1.925780508
724503	3949272	37239	05/12/2011	123814	cpm	1.548350326
724501.9	3949271	37539	05/12/2011	123815	cpm	1.738331961
724500.7	3949271	38065	05/12/2011	123816	cpm	2.071433095
724499.6	3949271	38616	05/12/2011	123817	cpm	2.420366031
724498.4	3949272	39024	05/12/2011	123818	cpm	2.678741055
724496.3	3949272	38886	05/12/2011	123820	cpm	2.591349503
724495.3	3949272	39541	05/12/2011	123821	cpm	3.00614274
724494.4	3949272	38388	05/12/2011	123822	cpm	2.275979989
724492.4	3949271	36839	05/12/2011	123824	cpm	1.295041479
724491.2	3949271	36240	05/12/2011	123825	cpm	0.915711481
724490	3949271	39180	05/12/2011	123826	cpm	2.777531505
724488.9	3949272	38475	05/12/2011	123827	cpm	2.331074663
724487.8	3949272	38958	05/12/2011	123828	cpm	2.636945095
724486.8	3949272	40609	05/12/2011	123829	cpm	3.682477361

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724484.6	3949272	39072	05/12/2011	123831	cpm	2.709138117
724483.4	3949272	41779	05/12/2011	123832	cpm	4.423405737
724482.3	3949272	37114	05/12/2011	123833	cpm	1.469191312
724481.1	3949272	40268	05/12/2011	123834	cpm	3.466531569
724480.2	3949273	42467	05/12/2011	123835	cpm	4.859096954
724479.8	3949274	39776	05/12/2011	123836	cpm	3.154961687
724479.8	3949275	39524	05/12/2011	123837	cpm	2.995377114
724479.9	3949276	42671	05/12/2011	123838	cpm	4.988284466
724480.1	3949277	39077	05/12/2011	123840	cpm	2.712304477
724480.4	3949278	38509	05/12/2011	123841	cpm	2.352605915
724481.4	3949278	36682	05/12/2011	123842	cpm	1.195617757
724482.6	3949278	40130	05/12/2011	123843	cpm	3.379140016
724483.7	3949278	39012	05/12/2011	123844	cpm	2.67114179
724484.9	3949278	35343	05/12/2011	123845	cpm	0.347666392
724486.2	3949278	37005	05/12/2011	123846	cpm	1.400164651
724487.3	3949278	35381	05/12/2011	123847	cpm	0.371730733
724489.7	3949279	37405	05/12/2011	123849	cpm	1.653473498
724490.9	3949279	37857	05/12/2011	123850	cpm	1.939712494
724492.1	3949279	35534	05/12/2011	123851	cpm	0.468621367
724493.3	3949279	34023	05/12/2011	123852	cpm	-0.488252802
724494.4	3949278	37545	05/12/2011	123853	cpm	1.742131594
724495.6	3949279	35606	05/12/2011	123854	cpm	0.514216959
724496.5	3949279	36831	05/12/2011	123855	cpm	1.289975302
724498.7	3949278	33508	05/12/2011	123857	cpm	-0.814387942
724499.8	3949278	36466	05/12/2011	123858	cpm	1.05883098
724500.9	3949277	35246	05/12/2011	123859	cpm	0.286238997
724501.8	3949277	36651	05/12/2011	123900	cpm	1.175986321
724502.8	3949277	39223	05/12/2011	123901	cpm	2.804762206
724503.8	3949276	36565	05/12/2011	123902	cpm	1.121524919
724504.7	3949276	36951	05/12/2011	123903	cpm	1.365967956
724506.8	3949275	38967	05/12/2011	123905	cpm	2.642644544
724507.9	3949275	36425	05/12/2011	123906	cpm	1.032866823
724510.4	3949275	39806	05/12/2011	123908	cpm	3.173959851
724511.6	3949275	39381	05/12/2011	123909	cpm	2.904819201
724512.7	3949275	38531	05/12/2011	123910	cpm	2.366537901
724513.7	3949274	35791	05/12/2011	123911	cpm	0.631372301
724514.6	3949274	37747	05/12/2011	123912	cpm	1.870052562
724515.6	3949274	38477	05/12/2011	123913	cpm	2.332341207
724518	3949274	37879	05/12/2011	123915	cpm	1.953644481
724519.4	3949274	34715	05/12/2011	123916	cpm	-0.050028497
724520.7	3949274	35768	05/12/2011	123917	cpm	0.616807042
724522	3949273	41012	05/12/2011	123918	cpm	3.937686024

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724523.1	3949273	40733	05/12/2011	123919	cpm	3.761003103
724524	3949272	35563	05/12/2011	123920	cpm	0.486986258
724525	3949272	34331	05/12/2011	123921	cpm	-0.29320499
724527.5	3949271	37712	05/12/2011	123923	cpm	1.847888037
724528.8	3949271	34967	05/12/2011	123924	cpm	0.109556076
724530.2	3949271	36911	05/12/2011	123925	cpm	1.340637072
724531.3	3949270	34728	05/12/2011	123926	cpm	-0.04179596
724532.4	3949270	34572	05/12/2011	123927	cpm	-0.14058641
724533.6	3949270	37143	05/12/2011	123928	cpm	1.487556203
724534.9	3949270	37275	05/12/2011	123929	cpm	1.571148122
724537.5	3949269	38928	05/12/2011	123931	cpm	2.617946932
724538.7	3949269	36295	05/12/2011	123932	cpm	0.950541448
724541.2	3949269	33656	05/12/2011	123934	cpm	-0.720663669
724542.5	3949269	34514	05/12/2011	123935	cpm	-0.177316193
724543.9	3949269	34338	05/12/2011	123936	cpm	-0.288772085
724545.3	3949269	34954	05/12/2011	123937	cpm	0.101323539
724546.6	3949269	38558	05/12/2011	123938	cpm	2.383636248
724547.6	3949268	36849	05/12/2011	123939	cpm	1.3013742
724548.3	3949267	37562	05/12/2011	123940	cpm	1.75289722
724549.1	3949266	34620	05/12/2011	123941	cpm	-0.110189348
724550.5	3949264	34725	05/12/2011	123943	cpm	-0.043695776
724551.1	3949262	38591	05/12/2011	123944	cpm	2.404534228
724551.9	3949261	35958	05/12/2011	123945	cpm	0.737128744
724552.8	3949260	35832	05/12/2011	123946	cpm	0.657336457
724553.5	3949259	36258	05/12/2011	123947	cpm	0.927110379
724554.2	3949258	33544	05/12/2011	123948	cpm	-0.791590146
724554.9	3949256	35896	05/12/2011	123949	cpm	0.697865873
724555.7	3949255	36724	05/12/2011	123950	cpm	1.222215186
724556.6	3949254	34351	05/12/2011	123951	cpm	-0.280539548
724557.3	3949253	33877	05/12/2011	123952	cpm	-0.580710531
724558.4	3949250	34059	05/12/2011	123954	cpm	-0.465455006
724559.2	3949249	34015	05/12/2011	123955	cpm	-0.493318979
724560	3949248	35186	05/12/2011	123956	cpm	0.24824267
724561.5	3949245	32814	05/12/2011	123958	cpm	-1.253878792
724562.3	3949244	32113	05/12/2011	123959	cpm	-1.697802546
724563.1	3949243	30768	05/12/2011	124000	cpm	-2.549553543
724563.9	3949242	30072	05/12/2011	124001	cpm	-2.990310937
724564.9	3949241	30828	05/12/2011	124002	cpm	-2.511557216
724565.8	3949240	32937	05/12/2011	124003	cpm	-1.175986321
724566.6	3949239	32774	05/12/2011	124004	cpm	-1.279209676
724568.3	3949237	35073	05/12/2011	124006	cpm	0.176682921
724569.1	3949236	32124	05/12/2011	124007	cpm	-1.690836552

Surface Gamma Scans  
Vent Hole 2 Assessment Area - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g)
						$y = 1579.1x + 34794$
724569.8	3949235	33441	05/12/2011	124008	cpm	-0.856817174
724570.2	3949234	35570	05/12/2011	124009	cpm	0.491419163
724570.6	3949234	30972	05/12/2011	124010	cpm	-2.420366031
724570.7	3949233	30903	05/12/2011	124011	cpm	-2.464061807
724570.9	3949232	25215	05/12/2011	124012	cpm	-6.066113609
724570.9	3949232	25143	05/12/2011	124014	cpm	-6.111709201
724570.8	3949232	28816	05/12/2011	124015	cpm	-3.785700716
724570.8	3949232	32806	05/12/2011	124016	cpm	-1.258944969
724570.8	3949232	32591	05/12/2011	124017	cpm	-1.395098474
	mean	37719			mean	1.85
	min	24981			min	-6.21
	max	151720			max	74.0
	stdev	7869			stdev	4.98

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

						Estimated Ra-226 concentration (pCi/g)
X	Y	RESULTS	DATE	TIME	UNITS	$y = 679.29x + 12564$
728372.8	3949716	12120	05/14/2011	103615	cpm	-0.653623636
728372.8	3949716	13230	05/14/2011	103616	cpm	0.980435455
728372.8	3949716	12547	05/14/2011	103617	cpm	-0.02502613
728372.7	3949716	13787	05/14/2011	103618	cpm	1.800409251
728372.8	3949716	13016	05/14/2011	103619	cpm	0.665400639
728372.8	3949716	12974	05/14/2011	103620	cpm	0.603571376
728372.8	3949716	11973	05/14/2011	103621	cpm	-0.870026057
728372.8	3949716	12533	05/14/2011	103622	cpm	-0.045635885
728372.8	3949716	13093	05/14/2011	103623	cpm	0.778754288
728372.9	3949716	11823	05/14/2011	103624	cpm	-1.090844853
728372.8	3949716	12255	05/14/2011	103625	cpm	-0.45488672
728372.8	3949716	12603	05/14/2011	103626	cpm	0.057412887
728372.8	3949716	12331	05/14/2011	103627	cpm	-0.343005197
728372.6	3949716	12232	05/14/2011	103628	cpm	-0.488745602
728372.6	3949716	11308	05/14/2011	103629	cpm	-1.848989386
728372.6	3949716	12397	05/14/2011	103630	cpm	-0.245844926
728372.6	3949716	12669	05/14/2011	103631	cpm	0.154573157
728372.7	3949716	12407	05/14/2011	103632	cpm	-0.231123673
728372.7	3949716	13181	05/14/2011	103633	cpm	0.908301315
728372.7	3949716	13195	05/14/2011	103634	cpm	0.928911069
728372.7	3949716	11579	05/14/2011	103635	cpm	-1.450043428
728372.7	3949716	11744	05/14/2011	103636	cpm	-1.207142752
728372.7	3949716	12056	05/14/2011	103637	cpm	-0.747839656
728372.7	3949716	13154	05/14/2011	103638	cpm	0.868553931
728372.7	3949716	11598	05/14/2011	103639	cpm	-1.422073047
728372.7	3949716	13879	05/14/2011	103640	cpm	1.935844779
728372.7	3949716	13189	05/14/2011	103641	cpm	0.920078317
728372.7	3949716	11757	05/14/2011	103642	cpm	-1.188005123
728372.7	3949716	13169	05/14/2011	103643	cpm	0.890635811
728372.7	3949716	12562	05/14/2011	103644	cpm	-0.002944251
728372.7	3949716	14000	05/14/2011	103645	cpm	2.113971941
728372.7	3949716	11720	05/14/2011	103646	cpm	-1.242473759
728372.7	3949716	13070	05/14/2011	103647	cpm	0.744895405
728372.8	3949716	12687	05/14/2011	103648	cpm	0.181071413
728373.1	3949716	12052	05/14/2011	103649	cpm	-0.753728157
728373	3949716	12973	05/14/2011	103650	cpm	0.602099251
728373	3949716	12453	05/14/2011	103651	cpm	-0.163405909
728372.9	3949716	11453	05/14/2011	103652	cpm	-1.635531216
728372.9	3949716	11773	05/14/2011	103653	cpm	-1.164451118
728372.9	3949716	12513	05/14/2011	103654	cpm	-0.075078391
728372.9	3949716	11708	05/14/2011	103655	cpm	-1.260139263
728372.8	3949716	12617	05/14/2011	103656	cpm	0.078022641
728372.6	3949715	12184	05/14/2011	103657	cpm	-0.559407617

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

						Estimated Ra-226 concentration (pCi/g)
X	Y	RESULTS	DATE	TIME	UNITS	$y = 679.29x + 12564$
728372.5	3949715	11716	05/14/2011	103658	cpm	-1.248362261
728372.5	3949715	10969	05/14/2011	103659	cpm	-2.348039865
728372.5	3949715	13122	05/14/2011	103700	cpm	0.821445921
728372.5	3949715	11830	05/14/2011	103701	cpm	-1.080539976
728372.5	3949715	11687	05/14/2011	103702	cpm	-1.291053895
728372.5	3949715	11291	05/14/2011	103703	cpm	-1.874015516
728372.5	3949715	12573	05/14/2011	103704	cpm	0.013249128
728372.5	3949715	13043	05/14/2011	103705	cpm	0.705148022
728372.5	3949715	12500	05/14/2011	103706	cpm	-0.09421602
728372.5	3949715	11135	05/14/2011	103707	cpm	-2.103667064
728372.5	3949715	11543	05/14/2011	103708	cpm	-1.503039939
728372.5	3949715	10776	05/14/2011	103709	cpm	-2.632160049
728372.5	3949715	11334	05/14/2011	103710	cpm	-1.810714128
728372.5	3949715	10423	05/14/2011	103711	cpm	-3.151820283
728372.5	3949715	12626	05/14/2011	103712	cpm	0.091271769
728372.5	3949715	12636	05/14/2011	103713	cpm	0.105993022
728372.5	3949715	11799	05/14/2011	103714	cpm	-1.12617586
728372.5	3949715	13179	05/14/2011	103715	cpm	0.905357064
728372.5	3949715	13015	05/14/2011	103716	cpm	0.663928514
728372.2	3949715	12643	05/14/2011	103717	cpm	0.116297899
728372.2	3949714	13691	05/14/2011	103719	cpm	1.659085221
728370	3949713	13988	05/14/2011	103721	cpm	2.096306438
728368.9	3949713	13847	05/14/2011	103722	cpm	1.888736769
728367.8	3949713	14291	05/14/2011	103723	cpm	2.542360406
728366.7	3949712	11723	05/14/2011	103724	cpm	-1.238057383
728364.9	3949711	11330	05/14/2011	103726	cpm	-1.816602629
728364.5	3949710	12192	05/14/2011	103727	cpm	-0.547630614
728364.1	3949710	13248	05/14/2011	103728	cpm	1.00693371
728363.9	3949710	12822	05/14/2011	103729	cpm	0.379808329
728364	3949710	12591	05/14/2011	103730	cpm	0.039747383
728364	3949710	13724	05/14/2011	103731	cpm	1.707665356
728364.8	3949708	12850	05/14/2011	103733	cpm	0.421027838
728365	3949707	12062	05/14/2011	103734	cpm	-0.739006904
728365.6	3949704	12506	05/14/2011	103736	cpm	-0.085383268
728366.2	3949703	13056	05/14/2011	103737	cpm	0.724285651
728366.7	3949702	13704	05/14/2011	103738	cpm	1.67822285
728367.1	3949701	13566	05/14/2011	103739	cpm	1.475069558
728367.5	3949700	15061	05/14/2011	103740	cpm	3.675896892
728367.8	3949699	15255	05/14/2011	103741	cpm	3.961489202
728368.2	3949698	17373	05/14/2011	103742	cpm	7.079450603
728368.5	3949696	22253	05/14/2011	103743	cpm	14.2634221
728368.9	3949695	19603	05/14/2011	103744	cpm	10.36229004
728369.1	3949694	20411	05/14/2011	103745	cpm	11.55176729



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728369.4	3949693	24722	05/14/2011	103746	cpm	17.89809949
728369.7	3949692	25620	05/14/2011	103747	cpm	19.22006801
728369.9	3949691	28395	05/14/2011	103748	cpm	23.30521574
728369.9	3949690	29838	05/14/2011	103749	cpm	25.42949256
728370.2	3949689	29809	05/14/2011	103750	cpm	25.38680092
728370.8	3949687	27402	05/14/2011	103751	cpm	21.84339531
728371.4	3949686	26830	05/14/2011	103752	cpm	21.00133963
728372	3949685	24347	05/14/2011	103753	cpm	17.3460525
728372.3	3949684	22853	05/14/2011	103754	cpm	15.14669729
728372.7	3949683	17916	05/14/2011	103755	cpm	7.878814645
728373.2	3949682	16719	05/14/2011	103756	cpm	6.116680652
728373.6	3949680	14049	05/14/2011	103757	cpm	2.186106081
728374	3949679	13982	05/14/2011	103758	cpm	2.087473686
728374.5	3949678	13305	05/14/2011	103759	cpm	1.090844853
728374.9	3949677	15026	05/14/2011	103800	cpm	3.624372507
728375.3	3949676	13446	05/14/2011	103801	cpm	1.298414521
728375.7	3949675	11071	05/14/2011	103802	cpm	-2.197883084
728376	3949674	12669	05/14/2011	103803	cpm	0.154573157
728376.9	3949671	11606	05/14/2011	103805	cpm	-1.410296044
728378.3	3949669	13318	05/14/2011	103807	cpm	1.109982482
728379.1	3949667	12022	05/14/2011	103809	cpm	-0.797891917
728379.6	3949665	10936	05/14/2011	103811	cpm	-2.39662
728380.6	3949663	12466	05/14/2011	103813	cpm	-0.14426828
728381.3	3949661	12066	05/14/2011	103815	cpm	-0.733118403
728381.5	3949659	12116	05/14/2011	103817	cpm	-0.659512138
728381.4	3949656	11452	05/14/2011	103819	cpm	-1.637003342
728381.7	3949654	12400	05/14/2011	103821	cpm	-0.24142855
728382.5	3949652	11875	05/14/2011	103823	cpm	-1.014294337
728382.9	3949650	12652	05/14/2011	103825	cpm	0.129547027
728383.4	3949648	12873	05/14/2011	103827	cpm	0.45488672
728383.5	3949648	11814	05/14/2011	103829	cpm	-1.10409398
728383.6	3949648	12558	05/14/2011	103831	cpm	-0.008832752
728383.6	3949648	12859	05/14/2011	103832	cpm	0.434276966
728383.6	3949648	13294	05/14/2011	103833	cpm	1.074651474
728383.6	3949647	13073	05/14/2011	103834	cpm	0.749311781
728383.7	3949647	12808	05/14/2011	103835	cpm	0.359198575
728383.8	3949646	11452	05/14/2011	103836	cpm	-1.637003342
728383.7	3949645	11833	05/14/2011	103837	cpm	-1.0761236
728383.3	3949644	11058	05/14/2011	103838	cpm	-2.217020713
728383	3949644	11704	05/14/2011	103839	cpm	-1.266027764
728382.8	3949643	11776	05/14/2011	103840	cpm	-1.160034742
728382.9	3949643	10534	05/14/2011	103841	cpm	-2.988414374
728383.2	3949642	10223	05/14/2011	103842	cpm	-3.446245344

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration (pCi/g) $y = 679.29x + 12564$
728383.7	3949641	10206	05/14/2011	103843	cpm	-3.471271475
728384.3	3949641	11311	05/14/2011	103844	cpm	-1.84457301
728384.5	3949640	11227	05/14/2011	103845	cpm	-1.968231536
728384.8	3949639	11057	05/14/2011	103846	cpm	-2.218492838
728385	3949638	11644	05/14/2011	103847	cpm	-1.354355283
728385.2	3949637	12601	05/14/2011	103848	cpm	0.054468636
728385.7	3949636	11160	05/14/2011	103849	cpm	-2.066863931
728386	3949635	10980	05/14/2011	103850	cpm	-2.331846487
728386.2	3949634	12045	05/14/2011	103851	cpm	-0.764033034
728386.5	3949633	12041	05/14/2011	103852	cpm	-0.769921536
728386.8	3949632	11590	05/14/2011	103853	cpm	-1.433850049
728387.1	3949631	12407	05/14/2011	103854	cpm	-0.231123673
728387.3	3949630	12581	05/14/2011	103855	cpm	0.02502613
728387.6	3949629	11455	05/14/2011	103856	cpm	-1.632586966
728387.9	3949628	11474	05/14/2011	103857	cpm	-1.604616585
728388.2	3949627	10908	05/14/2011	103858	cpm	-2.437839509
728388.6	3949627	10734	05/14/2011	103859	cpm	-2.693989312
728388.4	3949626	12096	05/14/2011	103900	cpm	-0.688954644
728387.9	3949625	13164	05/14/2011	103901	cpm	0.883275184
728387.8	3949624	11751	05/14/2011	103902	cpm	-1.196837875
728387.9	3949623	12477	05/14/2011	103903	cpm	-0.128074902
728388.1	3949623	11609	05/14/2011	103904	cpm	-1.405879668
728388.1	3949623	12082	05/14/2011	103905	cpm	-0.709564398
728388.6	3949623	12620	05/14/2011	103906	cpm	0.082439017
728389.4	3949622	12515	05/14/2011	103907	cpm	-0.07213414
728390.2	3949622	12128	05/14/2011	103908	cpm	-0.641846634
728391.1	3949622	12092	05/14/2011	103909	cpm	-0.694843145
728391.9	3949622	13643	05/14/2011	103910	cpm	1.588423207
728392.3	3949623	12860	05/14/2011	103911	cpm	0.435749091
728392.5	3949624	12335	05/14/2011	103912	cpm	-0.337116695
728392.9	3949625	11663	05/14/2011	103913	cpm	-1.326384902
728393	3949626	12636	05/14/2011	103914	cpm	0.105993022
728392.9	3949626	13719	05/14/2011	103915	cpm	1.70030473
728392.6	3949627	12069	05/14/2011	103916	cpm	-0.728702027
728392.4	3949628	12557	05/14/2011	103917	cpm	-0.010304877
728392	3949629	11539	05/14/2011	103918	cpm	-1.50892844
728391.8	3949630	11314	05/14/2011	103919	cpm	-1.840156634
728391.4	3949631	12128	05/14/2011	103920	cpm	-0.641846634
728391	3949632	10382	05/14/2011	103921	cpm	-3.212177421
728390.8	3949632	12195	05/14/2011	103922	cpm	-0.543214238
728390.3	3949633	12378	05/14/2011	103923	cpm	-0.273815307
728389.9	3949635	12634	05/14/2011	103924	cpm	0.103048772
728389.5	3949635	11288	05/14/2011	103925	cpm	-1.878431892

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728389.2	3949636	10892	05/14/2011	103926	cpm	-2.461393514
728389	3949638	12983	05/14/2011	103927	cpm	0.616820504
728388.9	3949639	11975	05/14/2011	103928	cpm	-0.867081806
728388.7	3949640	11064	05/14/2011	103929	cpm	-2.208187961
728388.3	3949641	12096	05/14/2011	103930	cpm	-0.688954644
728388	3949642	11904	05/14/2011	103931	cpm	-0.971602703
728387.6	3949643	12546	05/14/2011	103932	cpm	-0.026498256
728387.2	3949644	12646	05/14/2011	103933	cpm	0.120714275
728386.9	3949644	10811	05/14/2011	103934	cpm	-2.580635664
728386.8	3949645	11433	05/14/2011	103935	cpm	-1.664973723
728386.9	3949645	10748	05/14/2011	103936	cpm	-2.673379558
728386.8	3949646	11117	05/14/2011	103937	cpm	-2.13016532
728386.7	3949647	11059	05/14/2011	103938	cpm	-2.215548587
728386.4	3949648	11704	05/14/2011	103939	cpm	-1.266027764
728386.1	3949649	11596	05/14/2011	103940	cpm	-1.425017297
728385.6	3949650	11329	05/14/2011	103941	cpm	-1.818074755
728385.4	3949651	12792	05/14/2011	103942	cpm	0.33564457
728385	3949652	10998	05/14/2011	103943	cpm	-2.305348231
728384.6	3949652	10039	05/14/2011	103944	cpm	-3.717116401
728384.4	3949652	9949	05/14/2011	103945	cpm	-3.849607679
728384.4	3949653	11517	05/14/2011	103946	cpm	-1.541315197
728384.4	3949654	10979	05/14/2011	103947	cpm	-2.333318612
728384.4	3949654	12045	05/14/2011	103948	cpm	-0.764033034
728384.6	3949655	11021	05/14/2011	103949	cpm	-2.271489349
728385	3949656	11575	05/14/2011	103950	cpm	-1.455931929
728385.7	3949656	11203	05/14/2011	103951	cpm	-2.003562543
728386.3	3949657	12281	05/14/2011	103952	cpm	-0.416611462
728386.5	3949657	11320	05/14/2011	103953	cpm	-1.831323882
728386.2	3949657	11470	05/14/2011	103954	cpm	-1.610505086
728385.7	3949657	12587	05/14/2011	103955	cpm	0.033858882
728384.9	3949656	12386	05/14/2011	103956	cpm	-0.262038305
728383.9	3949656	12096	05/14/2011	103957	cpm	-0.688954644
728383.4	3949657	11244	05/14/2011	103958	cpm	-1.943205406
728383.2	3949658	12831	05/14/2011	103959	cpm	0.393057457
728382.9	3949659	11277	05/14/2011	104000	cpm	-1.894625271
728382.2	3949661	11219	05/14/2011	104001	cpm	-1.980008538
728382	3949661	10875	05/14/2011	104002	cpm	-2.486419644
728381.7	3949663	11628	05/14/2011	104003	cpm	-1.377909288
728381.5	3949664	11817	05/14/2011	104004	cpm	-1.099677605
728381.4	3949665	14024	05/14/2011	104005	cpm	2.149302949
728381.2	3949666	13106	05/14/2011	104006	cpm	0.797891917
728381	3949668	14466	05/14/2011	104008	cpm	2.799982334
728380.8	3949669	13006	05/14/2011	104009	cpm	0.650679386

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
728380.5	3949670	13361	05/14/2011	104010	cpm	1.17328387
728380.3	3949672	15797	05/14/2011	104011	cpm	4.759381119
728380.1	3949674	17097	05/14/2011	104013	cpm	6.673144018
728379.7	3949676	14756	05/14/2011	104015	cpm	3.226898674
728378.9	3949678	13649	05/14/2011	104017	cpm	1.597255958
728378.2	3949680	12658	05/14/2011	104019	cpm	0.138379779
728377.8	3949682	15236	05/14/2011	104021	cpm	3.933518821
728377.6	3949683	18809	05/14/2011	104022	cpm	9.193422544
728377.3	3949685	19582	05/14/2011	104023	cpm	10.33137541
728377.1	3949686	23765	05/14/2011	104024	cpm	16.48927557
728376.7	3949687	26041	05/14/2011	104025	cpm	19.83983277
728376.5	3949688	30060	05/14/2011	104026	cpm	25.75630438
728376.4	3949689	25905	05/14/2011	104027	cpm	19.63962372
728376.4	3949690	19166	05/14/2011	104028	cpm	9.718971279
728376	3949691	15741	05/14/2011	104029	cpm	4.676942101
728375.6	3949692	15665	05/14/2011	104030	cpm	4.565060578
728375.3	3949693	16546	05/14/2011	104031	cpm	5.862002974
728375	3949694	20936	05/14/2011	104032	cpm	12.32463307
728374.7	3949695	22904	05/14/2011	104033	cpm	15.22177568
728374.5	3949696	20576	05/14/2011	104034	cpm	11.79466796
728374.4	3949697	20444	05/14/2011	104035	cpm	11.60034742
728374.2	3949697	19691	05/14/2011	104036	cpm	10.49183707
728373.9	3949698	22502	05/14/2011	104037	cpm	14.6299813
728373.7	3949699	18015	05/14/2011	104038	cpm	8.02455505
728373.8	3949699	19053	05/14/2011	104039	cpm	9.552621119
728373.8	3949699	19943	05/14/2011	104040	cpm	10.86281264
728373.5	3949700	22026	05/14/2011	104041	cpm	13.92924966
728373.1	3949701	22666	05/14/2011	104042	cpm	14.87140985
728372.9	3949702	22316	05/14/2011	104043	cpm	14.356166
728372.6	3949703	19379	05/14/2011	104044	cpm	10.03253397
728372.4	3949704	17655	05/14/2011	104045	cpm	7.494589939
728372.1	3949705	16143	05/14/2011	104046	cpm	5.268736475
728372	3949706	15135	05/14/2011	104047	cpm	3.784834165
728371.9	3949706	14253	05/14/2011	104048	cpm	2.486419644
728371.8	3949707	15233	05/14/2011	104049	cpm	3.929102445
728371.7	3949707	14068	05/14/2011	104050	cpm	2.214076462
728371.4	3949708	12097	05/14/2011	104051	cpm	-0.687482519
728371.1	3949709	13524	05/14/2011	104052	cpm	1.413240295
728370.8	3949710	13191	05/14/2011	104053	cpm	0.923022568
728370.6	3949711	13197	05/14/2011	104054	cpm	0.93185532
728370.3	3949712	14309	05/14/2011	104055	cpm	2.568858661
728370	3949712	14557	05/14/2011	104056	cpm	2.933945737
728369.7	3949713	14889	05/14/2011	104057	cpm	3.422691339

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
728369.5	3949714	13592	05/14/2011	104058	cpm	1.513344816
728369.3	3949715	14138	05/14/2011	104059	cpm	2.317125234
728369.2	3949715	13674	05/14/2011	104100	cpm	1.634059091
728368.9	3949716	13258	05/14/2011	104101	cpm	1.021654963
728368.5	3949717	13184	05/14/2011	104102	cpm	0.912717691
728368.4	3949718	13466	05/14/2011	104103	cpm	1.327857027
728368.1	3949719	14286	05/14/2011	104104	cpm	2.534999779
728367.7	3949720	15091	05/14/2011	104105	cpm	3.720060652
728367.4	3949720	14062	05/14/2011	104106	cpm	2.20524371
728367.5	3949721	12785	05/14/2011	104107	cpm	0.325339693
728367.8	3949722	14056	05/14/2011	104108	cpm	2.196410959
728368.3	3949722	13864	05/14/2011	104109	cpm	1.913762899
728368.6	3949723	13486	05/14/2011	104110	cpm	1.357299533
728368.9	3949723	12761	05/14/2011	104111	cpm	0.290008686
728369.3	3949723	12820	05/14/2011	104112	cpm	0.376864079
728369.7	3949724	14935	05/14/2011	104113	cpm	3.490409104
728370.3	3949724	14053	05/14/2011	104114	cpm	2.191994583
728371.1	3949725	14493	05/14/2011	104115	cpm	2.839729718
728371.9	3949724	16313	05/14/2011	104116	cpm	5.518997777
728372.6	3949723	13498	05/14/2011	104117	cpm	1.374965037
728373.2	3949722	12374	05/14/2011	104118	cpm	-0.279703808
728373.7	3949721	11793	05/14/2011	104119	cpm	-1.135008612
728374.5	3949720	11507	05/14/2011	104121	cpm	-1.55603645
728375	3949719	10769	05/14/2011	104123	cpm	-2.642464927
728375.3	3949718	11330	05/14/2011	104125	cpm	-1.816602629
728375.8	3949716	11230	05/14/2011	104127	cpm	-1.96381516
728376.3	3949714	10279	05/14/2011	104129	cpm	-3.363806327
728376.4	3949713	12139	05/14/2011	104130	cpm	-0.625653256
728376.6	3949712	10925	05/14/2011	104131	cpm	-2.412813379
728376.8	3949711	10921	05/14/2011	104132	cpm	-2.41870188
728377.2	3949710	10200	05/14/2011	104133	cpm	-3.480104226
728377.6	3949709	10950	05/14/2011	104134	cpm	-2.376010246
728377.8	3949708	10747	05/14/2011	104135	cpm	-2.674851683
728377.9	3949707	12347	05/14/2011	104136	cpm	-0.319451192
728377.9	3949707	12386	05/14/2011	104137	cpm	-0.262038305
728378	3949706	13596	05/14/2011	104138	cpm	1.519233317
728378.2	3949705	14829	05/14/2011	104139	cpm	3.334363821
728378.1	3949704	12467	05/14/2011	104140	cpm	-0.142796155
728377.9	3949703	13856	05/14/2011	104141	cpm	1.901985897
728377.8	3949702	15074	05/14/2011	104142	cpm	3.695034521
728377.5	3949701	17238	05/14/2011	104143	cpm	6.880713686
728377.2	3949700	16039	05/14/2011	104144	cpm	5.115635443
728377	3949699	17719	05/14/2011	104145	cpm	7.588805959

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
728376.9	3949698	18110	05/14/2011	104146	cpm	8.164406954
728376.8	3949697	20547	05/14/2011	104147	cpm	11.75197633
728376.9	3949696	19447	05/14/2011	104148	cpm	10.13263849
728377.4	3949695	17491	05/14/2011	104149	cpm	7.253161389
728378	3949695	17422	05/14/2011	104150	cpm	7.151584743
728378.5	3949694	18785	05/14/2011	104151	cpm	9.158091537
728378.8	3949694	18736	05/14/2011	104152	cpm	9.085957397
728378.8	3949694	19024	05/14/2011	104153	cpm	9.509929485
728378.8	3949694	21406	05/14/2011	104154	cpm	13.01653197
728378.8	3949694	20381	05/14/2011	104155	cpm	11.50760353
728378.8	3949694	20215	05/14/2011	104156	cpm	11.26323073
728378.8	3949694	19214	05/14/2011	104157	cpm	9.789633294
728378.8	3949694	18903	05/14/2011	104158	cpm	9.331802323
728378.8	3949694	18225	05/14/2011	104159	cpm	8.333701365
728378.8	3949694	17396	05/14/2011	104200	cpm	7.113309485
728378.8	3949694	19139	05/14/2011	104201	cpm	9.679223896
728378.8	3949694	18765	05/14/2011	104202	cpm	9.128649031
728378.8	3949694	18431	05/14/2011	104203	cpm	8.636959178
728378.8	3949694	18197	05/14/2011	104204	cpm	8.292481856
728378.8	3949694	18529	05/14/2011	104205	cpm	8.781227458
728378.8	3949694	19062	05/14/2011	104206	cpm	9.565870247
728378.8	3949694	17695	05/14/2011	104207	cpm	7.553474952
728378.8	3949694	18854	05/14/2011	104208	cpm	9.259668183
728378.8	3949694	18003	05/14/2011	104209	cpm	8.006889546
728378.8	3949694	18180	05/14/2011	104210	cpm	8.267455726
728378.8	3949694	19815	05/14/2011	104211	cpm	10.6743806
728378.9	3949693	19413	05/14/2011	104212	cpm	10.08258623
728379.1	3949693	17423	05/14/2011	104213	cpm	7.153056868
728379.5	3949692	16476	05/14/2011	104214	cpm	5.758954202
728380	3949691	16629	05/14/2011	104215	cpm	5.984189374
728380.3	3949690	17237	05/14/2011	104216	cpm	6.879241561
728380.7	3949689	15169	05/14/2011	104217	cpm	3.834886426
728381.1	3949688	15402	05/14/2011	104218	cpm	4.177891622
728381.3	3949687	16960	05/14/2011	104219	cpm	6.471462851
728381.6	3949686	16630	05/14/2011	104220	cpm	5.9856615
728381.9	3949685	15617	05/14/2011	104221	cpm	4.494398563
728382.1	3949684	14494	05/14/2011	104222	cpm	2.841201843
728382.3	3949683	14987	05/14/2011	104223	cpm	3.56695962
728382.4	3949682	13753	05/14/2011	104224	cpm	1.75035699
728382.7	3949681	14328	05/14/2011	104225	cpm	2.596829042
728383	3949681	14502	05/14/2011	104226	cpm	2.852978846
728383.3	3949680	14485	05/14/2011	104227	cpm	2.827952715
728383.8	3949680	13191	05/14/2011	104228	cpm	0.923022568

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728384	3949680	13557	05/14/2011	104229	cpm	1.46182043
728384	3949680	13799	05/14/2011	104230	cpm	1.818074755
728384.1	3949680	13440	05/14/2011	104231	cpm	1.289581769
728384.3	3949679	13260	05/14/2011	104232	cpm	1.024599214
728384.1	3949679	14685	05/14/2011	104233	cpm	3.122377777
728384.6	3949677	15182	05/14/2011	104234	cpm	3.854024055
728385.1	3949675	18971	05/14/2011	104236	cpm	9.431906844
728385.7	3949674	20498	05/14/2011	104238	cpm	11.67984219
728386.3	3949671	24793	05/14/2011	104241	cpm	18.00262038
728387.1	3949669	19759	05/14/2011	104243	cpm	10.59194159
728387.3	3949668	17209	05/14/2011	104244	cpm	6.838022052
728387.6	3949667	17442	05/14/2011	104245	cpm	7.181027249
728387.8	3949667	15670	05/14/2011	104246	cpm	4.572421204
728388.1	3949666	15317	05/14/2011	104247	cpm	4.052760971
728388.4	3949666	15049	05/14/2011	104248	cpm	3.658231389
728388.6	3949665	16002	05/14/2011	104249	cpm	5.061166807
728389	3949665	17380	05/14/2011	104250	cpm	7.08975548
728389	3949665	17905	05/14/2011	104251	cpm	7.862621266
728389	3949665	17616	05/14/2011	104252	cpm	7.437177053
728389.1	3949664	15984	05/14/2011	104253	cpm	5.034668551
728389.2	3949663	12966	05/14/2011	104254	cpm	0.591794374
728389.7	3949663	13471	05/14/2011	104255	cpm	1.335217654
728390	3949662	11767	05/14/2011	104256	cpm	-1.17328387
728390.4	3949661	12572	05/14/2011	104257	cpm	0.011777002
728390.8	3949661	10523	05/14/2011	104258	cpm	-3.004607752
728391	3949660	10910	05/14/2011	104259	cpm	-2.434895258
728391.4	3949659	10287	05/14/2011	104300	cpm	-3.352029325
728391.7	3949658	10462	05/14/2011	104301	cpm	-3.094407396
728391.8	3949658	10475	05/14/2011	104302	cpm	-3.075269767
728391.9	3949657	9428	05/14/2011	104303	cpm	-4.616584964
728391.9	3949657	9647	05/14/2011	104304	cpm	-4.294189521
728392.3	3949656	8711	05/14/2011	104305	cpm	-5.672098809
728392.5	3949655	10578	05/14/2011	104306	cpm	-2.92364086
728392.6	3949654	12364	05/14/2011	104307	cpm	-0.294425061
728392.7	3949654	11071	05/14/2011	104308	cpm	-2.197883084
728392.3	3949653	10957	05/14/2011	104309	cpm	-2.365705369
728391.9	3949653	11229	05/14/2011	104310	cpm	-1.965287285
728391.9	3949653	12347	05/14/2011	104311	cpm	-0.319451192
728392.3	3949653	12476	05/14/2011	104312	cpm	-0.129547027
728391.3	3949651	11369	05/14/2011	104313	cpm	-1.759189742
728391.5	3949651	12682	05/14/2011	104314	cpm	0.173710786
728393.2	3949650	10850	05/14/2011	104315	cpm	-2.523222777
728393.3	3949650	11832	05/14/2011	104316	cpm	-1.077595725

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728393.5	3949649	11598	05/14/2011	104317	cpm	-1.422073047
728393.6	3949648	11209	05/14/2011	104318	cpm	-1.994729791
728393.5	3949647	11232	05/14/2011	104319	cpm	-1.960870909
728393.6	3949646	11688	05/14/2011	104320	cpm	-1.289581769
728393.4	3949645	11772	05/14/2011	104321	cpm	-1.165923243
728393.3	3949644	11193	05/14/2011	104322	cpm	-2.018283796
728393	3949643	11588	05/14/2011	104323	cpm	-1.4367943
728392.9	3949642	11477	05/14/2011	104324	cpm	-1.600200209
728392.5	3949642	10898	05/14/2011	104325	cpm	-2.452560762
728393	3949642	13347	05/14/2011	104326	cpm	1.152674116
728393.8	3949641	11647	05/14/2011	104327	cpm	-1.349938907
728394.4	3949641	11851	05/14/2011	104328	cpm	-1.049625344
728395.3	3949641	12232	05/14/2011	104329	cpm	-0.488745602
728396	3949642	11788	05/14/2011	104330	cpm	-1.142369238
728396.7	3949642	11047	05/14/2011	104331	cpm	-2.233214091
728397.1	3949642	11971	05/14/2011	104332	cpm	-0.872970307
728397.1	3949643	11512	05/14/2011	104333	cpm	-1.548675823
728397.1	3949643	13078	05/14/2011	104334	cpm	0.756672408
728397	3949643	12389	05/14/2011	104335	cpm	-0.257621929
728396.8	3949644	12577	05/14/2011	104336	cpm	0.019137629
728396.3	3949645	11034	05/14/2011	104337	cpm	-2.25235172
728395.9	3949646	11788	05/14/2011	104338	cpm	-1.142369238
728395.6	3949647	10597	05/14/2011	104339	cpm	-2.895670479
728395.2	3949648	11799	05/14/2011	104340	cpm	-1.12617586
728394.7	3949648	10719	05/14/2011	104341	cpm	-2.716071192
728394.2	3949649	11815	05/14/2011	104342	cpm	-1.102621855
728394	3949651	12911	05/14/2011	104344	cpm	0.510827482
728393.8	3949653	11119	05/14/2011	104346	cpm	-2.127221069
728394.1	3949655	10145	05/14/2011	104348	cpm	-3.561071118
728392.7	3949656	11854	05/14/2011	104351	cpm	-1.045208968
728394.3	3949657	10793	05/14/2011	104352	cpm	-2.607133919
728394.9	3949658	11638	05/14/2011	104353	cpm	-1.363188035
728395.1	3949659	13319	05/14/2011	104354	cpm	1.111454607
728396	3949659	11670	05/14/2011	104355	cpm	-1.316080025
728396.6	3949659	11917	05/14/2011	104356	cpm	-0.952465074
728397	3949659	13689	05/14/2011	104357	cpm	1.656140971
728396.3	3949661	11462	05/14/2011	104358	cpm	-1.622282089
728396.2	3949662	11865	05/14/2011	104359	cpm	-1.02901559
728396.1	3949663	12536	05/14/2011	104400	cpm	-0.041219509
728395.9	3949664	12494	05/14/2011	104401	cpm	-0.103048772
728395.7	3949665	11703	05/14/2011	104402	cpm	-1.26749989
728395.6	3949666	10755	05/14/2011	104403	cpm	-2.663074681
728394.9	3949667	11628	05/14/2011	104404	cpm	-1.377909288



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728394.6	3949668	11097	05/14/2011	104405	cpm	-2.159607826
728394.3	3949669	12164	05/14/2011	104406	cpm	-0.588850123
728394	3949670	10871	05/14/2011	104407	cpm	-2.492308145
728393.6	3949672	11507	05/14/2011	104408	cpm	-1.55603645
728393.3	3949673	10946	05/14/2011	104409	cpm	-2.381898747
728393.1	3949674	12696	05/14/2011	104410	cpm	0.194320541
728392.7	3949675	12564	05/14/2011	104411	cpm	0
728392.4	3949676	12171	05/14/2011	104412	cpm	-0.578545246
728392	3949677	13452	05/14/2011	104413	cpm	1.307247273
728391.6	3949678	12483	05/14/2011	104414	cpm	-0.11924215
728391.2	3949679	12600	05/14/2011	104415	cpm	0.052996511
728390.9	3949680	11550	05/14/2011	104416	cpm	-1.492735062
728390.6	3949682	13087	05/14/2011	104417	cpm	0.769921536
728390.2	3949683	13112	05/14/2011	104418	cpm	0.806724668
728389.8	3949684	12638	05/14/2011	104419	cpm	0.108937273
728389.4	3949685	14109	05/14/2011	104420	cpm	2.2744336
728389	3949686	14387	05/14/2011	104421	cpm	2.683684435
728388.8	3949688	14066	05/14/2011	104422	cpm	2.211132212
728388.3	3949689	16446	05/14/2011	104423	cpm	5.714790443
728387.9	3949690	16411	05/14/2011	104424	cpm	5.663266057
728387.5	3949691	14152	05/14/2011	104425	cpm	2.337734988
728387.2	3949693	14818	05/14/2011	104426	cpm	3.318170443
728386.9	3949694	14594	05/14/2011	104427	cpm	2.988414374
728386.4	3949695	13758	05/14/2011	104428	cpm	1.757717617
728386	3949696	16189	05/14/2011	104429	cpm	5.336454239
728385.6	3949698	16197	05/14/2011	104430	cpm	5.348231241
728385.2	3949699	15299	05/14/2011	104431	cpm	4.026262715
728385	3949700	16305	05/14/2011	104432	cpm	5.507220775
728384.8	3949701	16226	05/14/2011	104433	cpm	5.390922875
728384.6	3949703	14496	05/14/2011	104434	cpm	2.844146094
728384.3	3949704	14544	05/14/2011	104435	cpm	2.914808108
728383.9	3949705	12666	05/14/2011	104436	cpm	0.150156781
728383.5	3949706	11956	05/14/2011	104437	cpm	-0.895052187
728383	3949707	11659	05/14/2011	104438	cpm	-1.332273403
728382.8	3949709	11764	05/14/2011	104439	cpm	-1.177700246
728383	3949710	11190	05/14/2011	104440	cpm	-2.022700172
728382.6	3949712	10209	05/14/2011	104442	cpm	-3.466855099
728381.8	3949714	11265	05/14/2011	104444	cpm	-1.912290774
728381.3	3949716	13589	05/14/2011	104446	cpm	1.50892844
728381.2	3949718	13507	05/14/2011	104448	cpm	1.388214165
728381	3949719	13126	05/14/2011	104449	cpm	0.827334423
728380.8	3949720	12791	05/14/2011	104450	cpm	0.334172445
728380.7	3949721	13458	05/14/2011	104451	cpm	1.316080025

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

						Estimated Ra-226 concentration (pCi/g)
						$y = 679.29x + 12564$
X	Y	RESULTS	DATE	TIME	UNITS	
728380.6	3949722	13354	05/14/2011	104452	cpm	1.162978993
728380.7	3949722	13658	05/14/2011	104453	cpm	1.610505086
728380.8	3949723	12564	05/14/2011	104454	cpm	0
728380.7	3949724	13791	05/14/2011	104455	cpm	1.806297752
728380.7	3949725	13047	05/14/2011	104456	cpm	0.711036523
728380.1	3949725	13312	05/14/2011	104457	cpm	1.10114973
728379.5	3949726	13048	05/14/2011	104458	cpm	0.712508649
728379.2	3949727	12922	05/14/2011	104459	cpm	0.52702086
728378.9	3949728	11840	05/14/2011	104500	cpm	-1.065818722
728378.4	3949729	13640	05/14/2011	104501	cpm	1.584006831
728378.2	3949730	12470	05/14/2011	104502	cpm	-0.138379779
728378	3949730	12207	05/14/2011	104503	cpm	-0.525548735
728377.8	3949731	14752	05/14/2011	104504	cpm	3.221010172
728377.6	3949732	11758	05/14/2011	104505	cpm	-1.186532998
728377.7	3949732	12089	05/14/2011	104506	cpm	-0.699259521
728377.3	3949732	13462	05/14/2011	104507	cpm	1.321968526
728376.5	3949732	12545	05/14/2011	104508	cpm	-0.027970381
728375.5	3949731	12046	05/14/2011	104509	cpm	-0.762560909
728374.4	3949731	12311	05/14/2011	104510	cpm	-0.372447703
728373.4	3949731	13398	05/14/2011	104511	cpm	1.227752506
728372.5	3949731	13009	05/14/2011	104512	cpm	0.655095762
728371.6	3949731	12252	05/14/2011	104513	cpm	-0.459303096
728370.8	3949731	14283	05/14/2011	104514	cpm	2.530583403
728370.3	3949731	14040	05/14/2011	104515	cpm	2.172856954
728369.8	3949731	14730	05/14/2011	104516	cpm	3.188623416
728369.2	3949731	12412	05/14/2011	104517	cpm	-0.223763047
728368.4	3949731	12553	05/14/2011	104518	cpm	-0.016193378
728367.5	3949731	12768	05/14/2011	104519	cpm	0.300313563
728366.5	3949730	11982	05/14/2011	104520	cpm	-0.856776929
728365.5	3949730	12355	05/14/2011	104521	cpm	-0.307674189
728364.5	3949730	11819	05/14/2011	104522	cpm	-1.096733354
728363.7	3949730	12104	05/14/2011	104523	cpm	-0.677177641
728362.6	3949729	13736	05/14/2011	104524	cpm	1.72533086
728361.6	3949729	12224	05/14/2011	104525	cpm	-0.500522604
728360.6	3949729	11276	05/14/2011	104526	cpm	-1.896097396
728359.8	3949728	11399	05/14/2011	104527	cpm	-1.715025983
728359	3949728	12149	05/14/2011	104528	cpm	-0.610932003
728358.2	3949728	11587	05/14/2011	104529	cpm	-1.438266425
728357.5	3949728	12011	05/14/2011	104530	cpm	-0.814085295
728356.1	3949728	13793	05/14/2011	104532	cpm	1.809242003
728355.3	3949730	11767	05/14/2011	104534	cpm	-1.17328387
728355	3949732	10942	05/14/2011	104536	cpm	-2.387787248
728354.7	3949734	12024	05/14/2011	104538	cpm	-0.794947666

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration (pCi/g) $y = 679.29x + 12564$
728356	3949735	12046	05/14/2011	104540	cpm	-0.762560909
728356.9	3949736	11501	05/14/2011	104541	cpm	-1.564869202
728357.9	3949736	11905	05/14/2011	104542	cpm	-0.970130578
728359.8	3949737	10896	05/14/2011	104544	cpm	-2.455505013
728360.8	3949737	10944	05/14/2011	104545	cpm	-2.384842998
728361.8	3949737	12456	05/14/2011	104546	cpm	-0.158989533
728362.8	3949737	12384	05/14/2011	104547	cpm	-0.264982555
728363.7	3949737	12576	05/14/2011	104548	cpm	0.017665504
728364.3	3949737	12564	05/14/2011	104549	cpm	0
728364.8	3949738	13821	05/14/2011	104550	cpm	1.850461511
728365.5	3949738	11765	05/14/2011	104551	cpm	-1.176228121
728366	3949738	13021	05/14/2011	104552	cpm	0.672761265
728366.3	3949738	12555	05/14/2011	104553	cpm	-0.013249128
728367	3949738	12138	05/14/2011	104554	cpm	-0.627125381
728367.5	3949739	14944	05/14/2011	104555	cpm	3.503658231
728368.2	3949739	12166	05/14/2011	104556	cpm	-0.585905872
728368.7	3949739	12761	05/14/2011	104557	cpm	0.290008686
728368.9	3949739	12430	05/14/2011	104558	cpm	-0.197264791
728369	3949739	11537	05/14/2011	104559	cpm	-1.511872691
728369.1	3949739	13114	05/14/2011	104600	cpm	0.809668919
728369.6	3949740	14318	05/14/2011	104601	cpm	2.582107789
728370	3949740	12999	05/14/2011	104602	cpm	0.640374509
728370	3949740	11950	05/14/2011	104603	cpm	-0.903884939
728370.5	3949740	11267	05/14/2011	104604	cpm	-1.909346524
728371.4	3949740	12386	05/14/2011	104605	cpm	-0.262038305
728372.3	3949741	12696	05/14/2011	104606	cpm	0.194320541
728372.9	3949741	11664	05/14/2011	104607	cpm	-1.324912777
728373.9	3949741	10926	05/14/2011	104608	cpm	-2.411341253
728374.7	3949741	11101	05/14/2011	104609	cpm	-2.153719325
728375.6	3949742	11235	05/14/2011	104610	cpm	-1.956454533
728376.2	3949742	12018	05/14/2011	104611	cpm	-0.803780418
728377	3949743	10864	05/14/2011	104612	cpm	-2.502613022
728378.1	3949743	10546	05/14/2011	104613	cpm	-2.97074887
728378.8	3949743	11486	05/14/2011	104614	cpm	-1.586951081
728378.9	3949743	11571	05/14/2011	104615	cpm	-1.46182043
728378.6	3949744	12193	05/14/2011	104616	cpm	-0.546158489
728378.1	3949745	12258	05/14/2011	104617	cpm	-0.450470344
728377.4	3949745	12394	05/14/2011	104618	cpm	-0.250261302
728376.6	3949745	11978	05/14/2011	104619	cpm	-0.86266543
728375.7	3949744	11724	05/14/2011	104620	cpm	-1.236585258
728374.4	3949744	12111	05/14/2011	104621	cpm	-0.666872764
728372.5	3949743	12777	05/14/2011	104622	cpm	0.31356269
728371.6	3949743	11744	05/14/2011	104623	cpm	-1.207142752

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728370.7	3949743	11666	05/14/2011	104624	cpm	-1.321968526
728371	3949744	11976	05/14/2011	104625	cpm	-0.865609681
728369.3	3949743	11901	05/14/2011	104626	cpm	-0.976019079
728369.2	3949745	12406	05/14/2011	104628	cpm	-0.232595799
728367.6	3949746	12078	05/14/2011	104630	cpm	-0.715452899
728365.8	3949745	12634	05/14/2011	104632	cpm	0.103048772
728364.9	3949745	13058	05/14/2011	104633	cpm	0.727229902
728364.1	3949744	13044	05/14/2011	104634	cpm	0.706620148
728363.4	3949744	11931	05/14/2011	104635	cpm	-0.93185532
728361.8	3949744	10632	05/14/2011	104637	cpm	-2.844146094
728361.1	3949743	13728	05/14/2011	104638	cpm	1.713553858
728360.1	3949743	11682	05/14/2011	104639	cpm	-1.298414521
728359.3	3949742	10930	05/14/2011	104640	cpm	-2.405452752
728358.4	3949742	11432	05/14/2011	104641	cpm	-1.666445848
728357.8	3949742	12098	05/14/2011	104642	cpm	-0.686010393
728357.8	3949742	13224	05/14/2011	104643	cpm	0.971602703
728357.8	3949742	12336	05/14/2011	104644	cpm	-0.33564457
728357.7	3949742	13164	05/14/2011	104645	cpm	0.883275184
728357.6	3949742	12621	05/14/2011	104646	cpm	0.083911143
728356.8	3949742	12125	05/14/2011	104647	cpm	-0.64626301
728356.3	3949741	11521	05/14/2011	104648	cpm	-1.535426696
728355.4	3949741	12420	05/14/2011	104649	cpm	-0.211986044
728354.9	3949741	11655	05/14/2011	104650	cpm	-1.338161904
728354.2	3949741	12963	05/14/2011	104651	cpm	0.587377998
728353.4	3949741	10651	05/14/2011	104652	cpm	-2.816175713
728352.4	3949741	11902	05/14/2011	104653	cpm	-0.974546953
728352	3949742	12005	05/14/2011	104654	cpm	-0.822918047
728351.1	3949742	12781	05/14/2011	104655	cpm	0.319451192
728350.2	3949742	12225	05/14/2011	104656	cpm	-0.499050479
728349.4	3949743	12626	05/14/2011	104657	cpm	0.091271769
728348.7	3949743	13386	05/14/2011	104658	cpm	1.210087003
728348.3	3949744	12496	05/14/2011	104659	cpm	-0.100104521
728348.1	3949745	11944	05/14/2011	104700	cpm	-0.912717691
728348	3949746	12766	05/14/2011	104701	cpm	0.297369312
728347.9	3949747	10661	05/14/2011	104702	cpm	-2.80145446
728348.2	3949748	12055	05/14/2011	104703	cpm	-0.749311781
728348.6	3949749	11444	05/14/2011	104704	cpm	-1.648780344
728349.3	3949749	12311	05/14/2011	104705	cpm	-0.372447703
728350	3949750	12767	05/14/2011	104706	cpm	0.298841437
728350.6	3949750	12731	05/14/2011	104707	cpm	0.245844926
728351.3	3949750	12843	05/14/2011	104708	cpm	0.410722961
728352	3949751	12270	05/14/2011	104709	cpm	-0.43280484
728352.7	3949751	12757	05/14/2011	104710	cpm	0.284120184

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728353.3	3949751	12579	05/14/2011	104711	cpm	0.02208188
728354.1	3949752	12111	05/14/2011	104712	cpm	-0.666872764
728355.6	3949753	11354	05/14/2011	104714	cpm	-1.781271622
728357.6	3949754	11382	05/14/2011	104716	cpm	-1.740052113
728359.4	3949755	12636	05/14/2011	104718	cpm	0.105993022
728360.2	3949755	12249	05/14/2011	104719	cpm	-0.463719472
728360.5	3949755	11252	05/14/2011	104720	cpm	-1.931428403
728360.5	3949755	12713	05/14/2011	104721	cpm	0.219346671
728360.5	3949755	12298	05/14/2011	104723	cpm	-0.391585332
728360.5	3949755	14294	05/14/2011	104724	cpm	2.546776782
728360.6	3949755	11433	05/14/2011	104725	cpm	-1.664973723
728360.9	3949755	12128	05/14/2011	104726	cpm	-0.641846634
728361.2	3949754	11522	05/14/2011	104727	cpm	-1.53395457
728361.7	3949754	12660	05/14/2011	104728	cpm	0.14132403
728362.4	3949754	12615	05/14/2011	104729	cpm	0.075078391
728363.4	3949753	13563	05/14/2011	104730	cpm	1.470653182
728363.4	3949753	12211	05/14/2011	104731	cpm	-0.519660233
728363.5	3949753	12712	05/14/2011	104732	cpm	0.217874545
728363.6	3949753	12508	05/14/2011	104733	cpm	-0.082439017
728363.8	3949755	14857	05/14/2011	104734	cpm	3.37558333
728364.5	3949756	12474	05/14/2011	104735	cpm	-0.132491278
728365.7	3949756	11728	05/14/2011	104736	cpm	-1.230696757
728366.6	3949756	13852	05/14/2011	104737	cpm	1.896097396
728367.6	3949756	12763	05/14/2011	104738	cpm	0.292952936
728368.9	3949755	13030	05/14/2011	104739	cpm	0.686010393
728369.2	3949756	13727	05/14/2011	104740	cpm	1.712081732
728370.7	3949756	13721	05/14/2011	104741	cpm	1.703248981
728371.7	3949756	13270	05/14/2011	104742	cpm	1.039320467
728372.5	3949755	11657	05/14/2011	104743	cpm	-1.335217654
728373.4	3949756	12034	05/14/2011	104744	cpm	-0.780226413
728374.3	3949756	14048	05/14/2011	104745	cpm	2.184633956
728375.6	3949756	12092	05/14/2011	104746	cpm	-0.694843145
728376.5	3949757	12353	05/14/2011	104747	cpm	-0.31061844
728376.9	3949757	10468	05/14/2011	104748	cpm	-3.085574644
728377	3949757	11287	05/14/2011	104749	cpm	-1.879904017
728377.6	3949757	12877	05/14/2011	104750	cpm	0.460775221
728378.6	3949759	11335	05/14/2011	104752	cpm	-1.809242003
728380	3949759	12641	05/14/2011	104754	cpm	0.113353649
728381.9	3949760	11537	05/14/2011	104756	cpm	-1.511872691
728383	3949760	11284	05/14/2011	104757	cpm	-1.884320393
728383.6	3949760	10411	05/14/2011	104758	cpm	-3.169485787
728383.7	3949762	11302	05/14/2011	104759	cpm	-1.857822138
728383.8	3949763	11945	05/14/2011	104800	cpm	-0.911245565

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728383.8	3949765	11926	05/14/2011	104802	cpm	-0.939215946
728384.1	3949766	13421	05/14/2011	104803	cpm	1.261611388
728384.6	3949767	12265	05/14/2011	104804	cpm	-0.440165467
728385.3	3949768	10716	05/14/2011	104805	cpm	-2.720487568
728385.2	3949769	11409	05/14/2011	104806	cpm	-1.70030473
728384.9	3949770	12092	05/14/2011	104807	cpm	-0.694843145
728384.3	3949770	12023	05/14/2011	104808	cpm	-0.796419791
728383.7	3949771	11771	05/14/2011	104809	cpm	-1.167395369
728383.2	3949772	12226	05/14/2011	104810	cpm	-0.497578354
728382.3	3949773	11906	05/14/2011	104811	cpm	-0.968658452
728381.4	3949773	11856	05/14/2011	104812	cpm	-1.042264718
728380.7	3949774	14574	05/14/2011	104813	cpm	2.958971868
728379.9	3949775	12253	05/14/2011	104814	cpm	-0.457830971
728378.9	3949775	11163	05/14/2011	104815	cpm	-2.062447556
728378.1	3949774	12090	05/14/2011	104816	cpm	-0.697787396
728377.1	3949774	12382	05/14/2011	104817	cpm	-0.267926806
728376.2	3949774	12125	05/14/2011	104818	cpm	-0.64626301
728375.2	3949773	11851	05/14/2011	104819	cpm	-1.049625344
728374.4	3949773	10522	05/14/2011	104820	cpm	-3.006079878
728373.6	3949772	11240	05/14/2011	104821	cpm	-1.949093907
728372.9	3949771	11930	05/14/2011	104822	cpm	-0.933327445
728371.9	3949771	11472	05/14/2011	104823	cpm	-1.607560836
728371.4	3949771	12558	05/14/2011	104824	cpm	-0.008832752
728370.3	3949771	11299	05/14/2011	104825	cpm	-1.862238514
728369.9	3949770	12034	05/14/2011	104826	cpm	-0.780226413
728368.9	3949769	12818	05/14/2011	104827	cpm	0.373919828
728368	3949769	11364	05/14/2011	104828	cpm	-1.766550369
728367	3949769	12531	05/14/2011	104829	cpm	-0.048580135
728365.9	3949769	11080	05/14/2011	104830	cpm	-2.184633956
728364.4	3949769	12932	05/14/2011	104832	cpm	0.541742113
728363.7	3949769	13823	05/14/2011	104833	cpm	1.853405762
728362.9	3949769	13955	05/14/2011	104834	cpm	2.047726302
728362.4	3949768	14649	05/14/2011	104835	cpm	3.069381266
728361.5	3949768	13292	05/14/2011	104836	cpm	1.071707224
728359.5	3949768	12713	05/14/2011	104838	cpm	0.219346671
728358.7	3949768	11908	05/14/2011	104839	cpm	-0.965714202
728358	3949769	13567	05/14/2011	104840	cpm	1.476541683
728357.4	3949769	12211	05/14/2011	104841	cpm	-0.519660233
728357.2	3949769	12082	05/14/2011	104842	cpm	-0.709564398
728357.1	3949769	12110	05/14/2011	104843	cpm	-0.66834489
728357.2	3949769	12507	05/14/2011	104844	cpm	-0.083911143
728356.5	3949769	13267	05/14/2011	104845	cpm	1.034904091
728355.6	3949769	11566	05/14/2011	104846	cpm	-1.469181057

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728354.7	3949769	11411	05/14/2011	104847	cpm	-1.697360479
728353.8	3949769	13053	05/14/2011	104848	cpm	0.719869275
728353	3949768	12203	05/14/2011	104849	cpm	-0.531437236
728352.6	3949768	11810	05/14/2011	104850	cpm	-1.109982482
728350.9	3949767	11562	05/14/2011	104851	cpm	-1.475069558
728350.5	3949767	10930	05/14/2011	104852	cpm	-2.405452752
728349.7	3949766	11102	05/14/2011	104853	cpm	-2.152247199
728348.9	3949766	12345	05/14/2011	104854	cpm	-0.322395442
728349.1	3949766	11636	05/14/2011	104855	cpm	-1.366132285
728348.3	3949766	11699	05/14/2011	104856	cpm	-1.273388391
728347.5	3949765	10515	05/14/2011	104857	cpm	-3.016384755
728346.8	3949764	8958	05/14/2011	104858	cpm	-5.308483858
728346	3949763	10849	05/14/2011	104859	cpm	-2.524694902
728345.1	3949763	10932	05/14/2011	104900	cpm	-2.402508502
728344.2	3949762	12963	05/14/2011	104901	cpm	0.587377998
728343.6	3949761	11632	05/14/2011	104902	cpm	-1.372020786
728342	3949761	13784	05/14/2011	104904	cpm	1.795992875
728340.4	3949761	12194	05/14/2011	104906	cpm	-0.544686364
728339.4	3949761	14148	05/14/2011	104907	cpm	2.331846487
728338.5	3949760	13557	05/14/2011	104908	cpm	1.46182043
728337.6	3949760	13379	05/14/2011	104909	cpm	1.199782125
728336.8	3949759	13395	05/14/2011	104910	cpm	1.22333613
728336.6	3949759	12438	05/14/2011	104911	cpm	-0.185487789
728335.7	3949758	12829	05/14/2011	104913	cpm	0.390113206
728334.2	3949757	13409	05/14/2011	104915	cpm	1.243945885
728333.4	3949756	11362	05/14/2011	104916	cpm	-1.769494619
728332.6	3949756	11540	05/14/2011	104917	cpm	-1.507456315
728331.7	3949755	12605	05/14/2011	104918	cpm	0.060357138
728330.8	3949754	11941	05/14/2011	104919	cpm	-0.917134066
728329.9	3949754	12855	05/14/2011	104920	cpm	0.428388464
728329.1	3949754	13323	05/14/2011	104921	cpm	1.117343108
728328.2	3949753	12991	05/14/2011	104922	cpm	0.628597506
728327.3	3949754	14827	05/14/2011	104923	cpm	3.33141957
728326.4	3949754	11897	05/14/2011	104924	cpm	-0.98190758
728325.5	3949755	11014	05/14/2011	104925	cpm	-2.281794226
728324.8	3949756	11813	05/14/2011	104926	cpm	-1.105566106
728324.1	3949756	12403	05/14/2011	104927	cpm	-0.237012174
728323.8	3949757	11351	05/14/2011	104928	cpm	-1.785687998
728323.9	3949758	11447	05/14/2011	104929	cpm	-1.644363968
728324.1	3949759	14591	05/14/2011	104930	cpm	2.983997998
728324.5	3949760	13068	05/14/2011	104931	cpm	0.741951155
728325.2	3949761	11007	05/14/2011	104932	cpm	-2.292099103
728326.1	3949762	11421	05/14/2011	104933	cpm	-1.682639226

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728326.9	3949762	12035	05/14/2011	104934	cpm	-0.778754288
728327.9	3949762	11648	05/14/2011	104935	cpm	-1.348466781
728329	3949762	11672	05/14/2011	104936	cpm	-1.313135774
728329.9	3949763	11858	05/14/2011	104937	cpm	-1.039320467
728330.9	3949763	12441	05/14/2011	104938	cpm	-0.181071413
728331.6	3949765	12672	05/14/2011	104940	cpm	0.158989533
728332.6	3949766	11809	05/14/2011	104942	cpm	-1.111454607
728333.7	3949768	14050	05/14/2011	104944	cpm	2.187578207
728334.5	3949769	12842	05/14/2011	104945	cpm	0.409250835
728335.3	3949769	13230	05/14/2011	104946	cpm	0.980435455
728336.1	3949770	12787	05/14/2011	104947	cpm	0.328283944
728336.9	3949771	11327	05/14/2011	104948	cpm	-1.821019005
728337.4	3949772	11591	05/14/2011	104949	cpm	-1.432377924
728337.9	3949773	11898	05/14/2011	104950	cpm	-0.980435455
728338.1	3949774	12064	05/14/2011	104951	cpm	-0.736062654
728339.4	3949776	11026	05/14/2011	104953	cpm	-2.264128723
728340.2	3949777	12626	05/14/2011	104954	cpm	0.091271769
728340.9	3949777	11466	05/14/2011	104955	cpm	-1.616393587
728341.7	3949778	10936	05/14/2011	104956	cpm	-2.39662
728342.8	3949778	10774	05/14/2011	104957	cpm	-2.6351043
728343.9	3949779	10103	05/14/2011	104958	cpm	-3.622900381
728344.9	3949779	9876	05/14/2011	104959	cpm	-3.957072826
728346	3949780	10869	05/14/2011	105000	cpm	-2.495252396
728347.3	3949780	11867	05/14/2011	105001	cpm	-1.026071339
728348.1	3949780	12416	05/14/2011	105002	cpm	-0.217874545
728349.2	3949781	12224	05/14/2011	105003	cpm	-0.500522604
728350	3949782	11996	05/14/2011	105004	cpm	-0.836167175
728350.5	3949783	14219	05/14/2011	105005	cpm	2.436367384
728351.1	3949784	14684	05/14/2011	105006	cpm	3.120905651
728352.4	3949784	12281	05/14/2011	105007	cpm	-0.416611462
728353.2	3949784	12340	05/14/2011	105008	cpm	-0.329756069
728353.9	3949785	11965	05/14/2011	105009	cpm	-0.881803059
728354.7	3949786	11901	05/14/2011	105010	cpm	-0.976019079
728355.4	3949787	9875	05/14/2011	105011	cpm	-3.958544951
728355.6	3949787	12218	05/14/2011	105012	cpm	-0.509355356
728355.6	3949787	11454	05/14/2011	105013	cpm	-1.634059091
728355.2	3949787	10543	05/14/2011	105014	cpm	-2.975165246
728354.7	3949787	10856	05/14/2011	105015	cpm	-2.514390025
728354.2	3949787	12446	05/14/2011	105016	cpm	-0.173710786
728353.5	3949787	11720	05/14/2011	105018	cpm	-1.242473759
728353.5	3949786	12410	05/14/2011	105020	cpm	-0.226707297
728353.7	3949786	10812	05/14/2011	105021	cpm	-2.579163538
728353.6	3949785	11013	05/14/2011	105022	cpm	-2.283266352



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728353.4	3949784	12053	05/14/2011	105023	cpm	-0.752256032
728353.1	3949784	11413	05/14/2011	105024	cpm	-1.694416229
728353	3949783	11703	05/14/2011	105025	cpm	-1.26749989
728352.7	3949783	12825	05/14/2011	105026	cpm	0.384224705
728352.1	3949782	13616	05/14/2011	105028	cpm	1.548675823
728351.9	3949782	12524	05/14/2011	105029	cpm	-0.058885012
728351.4	3949782	12551	05/14/2011	105030	cpm	-0.019137629
728351.5	3949782	10877	05/14/2011	105031	cpm	-2.483475393
728351.6	3949782	13249	05/14/2011	105032	cpm	1.008405836
728351.3	3949782	13512	05/14/2011	105033	cpm	1.395574791
728350.8	3949783	12798	05/14/2011	105034	cpm	0.344477322
728351.5	3949783	10279	05/14/2011	105035	cpm	-3.363806327
728351.7	3949784	12079	05/14/2011	105036	cpm	-0.713980774
728352.5	3949785	14030	05/14/2011	105037	cpm	2.158135701
728353	3949786	12597	05/14/2011	105038	cpm	0.048580135
728353.2	3949787	12359	05/14/2011	105039	cpm	-0.301785688
728353.5	3949787	12900	05/14/2011	105040	cpm	0.494634103
728354.3	3949788	10725	05/14/2011	105041	cpm	-2.70723844
728354.9	3949788	11291	05/14/2011	105042	cpm	-1.874015516
728355.3	3949789	11885	05/14/2011	105043	cpm	-0.999573084
728355.6	3949790	12060	05/14/2011	105044	cpm	-0.741951155
728355.7	3949791	12555	05/14/2011	105045	cpm	-0.013249128
728356	3949792	12828	05/14/2011	105046	cpm	0.388641081
728356.5	3949792	13617	05/14/2011	105047	cpm	1.550147949
728357	3949793	11054	05/14/2011	105048	cpm	-2.222909214
728357.7	3949794	12513	05/14/2011	105049	cpm	-0.075078391
728358.5	3949795	11918	05/14/2011	105050	cpm	-0.950992949
728359.3	3949795	13629	05/14/2011	105051	cpm	1.567813452
728360.1	3949796	12034	05/14/2011	105052	cpm	-0.780226413
728361.7	3949796	10974	05/14/2011	105054	cpm	-2.340679239
728363.1	3949795	12161	05/14/2011	105056	cpm	-0.593266499
728364.2	3949794	13307	05/14/2011	105058	cpm	1.093789103
728365.2	3949793	12956	05/14/2011	105059	cpm	0.57707312
728366.2	3949793	13379	05/14/2011	105100	cpm	1.199782125
728367.1	3949792	11205	05/14/2011	105101	cpm	-2.000618293
728368.2	3949792	11621	05/14/2011	105102	cpm	-1.388214165
728369.2	3949791	11485	05/14/2011	105103	cpm	-1.588423207
728370.3	3949791	11631	05/14/2011	105104	cpm	-1.373492912
728371.3	3949791	12687	05/14/2011	105105	cpm	0.181071413
728373	3949790	12562	05/14/2011	105107	cpm	-0.002944251
728374	3949790	12110	05/14/2011	105108	cpm	-0.66834489
728375	3949789	12537	05/14/2011	105109	cpm	-0.039747383
728376	3949789	13904	05/14/2011	105110	cpm	1.972647912

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g) $y = 679.29x + 12564$
728377	3949788	15476	05/14/2011	105111	cpm	4.286828895
728377.9	3949788	13349	05/14/2011	105112	cpm	1.155618366
728378.7	3949787	12337	05/14/2011	105113	cpm	-0.334172445
728379.6	3949787	11694	05/14/2011	105114	cpm	-1.280749017
728380.2	3949786	12943	05/14/2011	105115	cpm	0.557935491
728380.4	3949785	13196	05/14/2011	105116	cpm	0.930383194
728380.6	3949784	12359	05/14/2011	105117	cpm	-0.301785688
728380.8	3949783	11729	05/14/2011	105118	cpm	-1.229224632
728381	3949782	11602	05/14/2011	105119	cpm	-1.416184546
728381.3	3949781	11660	05/14/2011	105120	cpm	-1.330801278
728382.1	3949781	11855	05/14/2011	105121	cpm	-1.043736843
728383.1	3949780	11723	05/14/2011	105122	cpm	-1.238057383
728384.3	3949780	11091	05/14/2011	105123	cpm	-2.168440578
728385.2	3949780	10302	05/14/2011	105124	cpm	-3.329947445
728384.8	3949780	12925	05/14/2011	105125	cpm	0.531437236
728386.4	3949780	12531	05/14/2011	105126	cpm	-0.048580135
728388.9	3949780	13572	05/14/2011	105127	cpm	1.48390231
728390	3949780	12543	05/14/2011	105128	cpm	-0.030914631
728391	3949779	12225	05/14/2011	105129	cpm	-0.499050479
728391.5	3949778	13916	05/14/2011	105130	cpm	1.990313415
728392.2	3949778	13289	05/14/2011	105131	cpm	1.067290848
728393	3949777	11150	05/14/2011	105132	cpm	-2.081585185
728394.7	3949776	11594	05/14/2011	105134	cpm	-1.427961548
728395	3949775	12304	05/14/2011	105136	cpm	-0.38275258
728395	3949775	12556	05/14/2011	105137	cpm	-0.011777002
728394.6	3949774	11569	05/14/2011	105138	cpm	-1.464764681
728394.4	3949774	11652	05/14/2011	105139	cpm	-1.34257828
728394.1	3949773	11673	05/14/2011	105140	cpm	-1.311663649
728394	3949772	11198	05/14/2011	105141	cpm	-2.01092317
728393.6	3949770	11349	05/14/2011	105143	cpm	-1.788632248
728393.5	3949769	13367	05/14/2011	105144	cpm	1.182116622
728393.3	3949768	12941	05/14/2011	105145	cpm	0.554991241
728392.9	3949767	12355	05/14/2011	105146	cpm	-0.307674189
728392.9	3949766	12239	05/14/2011	105147	cpm	-0.478440725
728392.6	3949765	11789	05/14/2011	105148	cpm	-1.140897113
728392	3949765	13207	05/14/2011	105149	cpm	0.946576573
728392.1	3949763	11221	05/14/2011	105150	cpm	-1.977064288
728391.9	3949762	11865	05/14/2011	105151	cpm	-1.02901559
728391.5	3949761	11966	05/14/2011	105152	cpm	-0.880330934
728391.3	3949760	11391	05/14/2011	105153	cpm	-1.726802985
728391.1	3949759	11398	05/14/2011	105154	cpm	-1.716498108
728391.1	3949758	12989	05/14/2011	105155	cpm	0.625653256
728391.5	3949757	12637	05/14/2011	105156	cpm	0.107465147

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728392.3	3949757	12099	05/14/2011	105157	cpm	-0.684538268
728393.2	3949756	12234	05/14/2011	105158	cpm	-0.485801351
728394.1	3949755	12208	05/14/2011	105159	cpm	-0.524076609
728394.6	3949754	12832	05/14/2011	105200	cpm	0.394529582
728394.9	3949753	11818	05/14/2011	105201	cpm	-1.098205479
728395	3949752	11834	05/14/2011	105202	cpm	-1.074651474
728394.6	3949751	10038	05/14/2011	105203	cpm	-3.718588526
728394.4	3949750	11749	05/14/2011	105204	cpm	-1.199782125
728394	3949749	11787	05/14/2011	105205	cpm	-1.143841364
728393.4	3949748	11737	05/14/2011	105206	cpm	-1.217447629
728392.9	3949747	10854	05/14/2011	105207	cpm	-2.517334275
728392.4	3949746	12438	05/14/2011	105208	cpm	-0.185487789
728391.3	3949744	13279	05/14/2011	105210	cpm	1.052569595
728390.5	3949744	13190	05/14/2011	105211	cpm	0.921550442
728390.5	3949743	12297	05/14/2011	105212	cpm	-0.393057457
728390	3949742	13214	05/14/2011	105213	cpm	0.95688145
728389.7	3949741	12783	05/14/2011	105214	cpm	0.322395442
728389.6	3949740	12495	05/14/2011	105215	cpm	-0.101576646
728389.5	3949739	11973	05/14/2011	105216	cpm	-0.870026057
728389	3949738	10763	05/14/2011	105217	cpm	-2.651297678
728388.5	3949737	11661	05/14/2011	105218	cpm	-1.329329152
728387.5	3949735	11195	05/14/2011	105220	cpm	-2.015339546
728386.8	3949734	12278	05/14/2011	105221	cpm	-0.421027838
728386.3	3949733	11979	05/14/2011	105222	cpm	-0.861193305
728386.1	3949732	12295	05/14/2011	105223	cpm	-0.396001708
728386.4	3949731	12973	05/14/2011	105224	cpm	0.602099251
728386.8	3949730	13293	05/14/2011	105225	cpm	1.073179349
728387.3	3949729	13073	05/14/2011	105226	cpm	0.749311781
728387.7	3949728	12838	05/14/2011	105227	cpm	0.403362334
728388.2	3949727	14189	05/14/2011	105228	cpm	2.392203624
728388.8	3949726	13357	05/14/2011	105229	cpm	1.167395369
728389.4	3949725	12849	05/14/2011	105230	cpm	0.419555713
728390.1	3949724	12902	05/14/2011	105231	cpm	0.497578354
728390.8	3949723	11325	05/14/2011	105232	cpm	-1.823963256
728391.2	3949722	11561	05/14/2011	105233	cpm	-1.476541683
728391.2	3949721	11470	05/14/2011	105234	cpm	-1.610505086
728391.2	3949720	13787	05/14/2011	105235	cpm	1.800409251
728391.4	3949718	12116	05/14/2011	105236	cpm	-0.659512138
728392	3949717	12569	05/14/2011	105237	cpm	0.007360627
728392.9	3949716	13552	05/14/2011	105238	cpm	1.454459804
728393.4	3949715	14548	05/14/2011	105239	cpm	2.92069661
728393.9	3949714	17214	05/14/2011	105240	cpm	6.845382679
728394.2	3949712	13113	05/14/2011	105242	cpm	0.808196794

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration (pCi/g) $y = 679.29x + 12564$
728394.4	3949709	12842	05/14/2011	105244	cpm	0.409250835
728394.4	3949708	15360	05/14/2011	105245	cpm	4.116062359
728394.4	3949707	15750	05/14/2011	105246	cpm	4.690191229
728394.4	3949706	14887	05/14/2011	105247	cpm	3.419747089
728394.6	3949704	14072	05/14/2011	105248	cpm	2.219964963
728394.8	3949703	14738	05/14/2011	105249	cpm	3.200400418
728394.8	3949702	14274	05/14/2011	105250	cpm	2.517334275
728395.1	3949700	15058	05/14/2011	105252	cpm	3.671480516
728395.4	3949699	14654	05/14/2011	105253	cpm	3.076741892
728395.7	3949697	13173	05/14/2011	105254	cpm	0.896524312
728395.8	3949696	13823	05/14/2011	105255	cpm	1.853405762
728396	3949695	13895	05/14/2011	105256	cpm	1.959398784
728396.2	3949694	14424	05/14/2011	105257	cpm	2.738153072
728396.4	3949693	14646	05/14/2011	105258	cpm	3.06496489
728396.6	3949691	15811	05/14/2011	105259	cpm	4.779990873
728396.9	3949690	14212	05/14/2011	105300	cpm	2.426062506
728397.2	3949689	14353	05/14/2011	105301	cpm	2.633632175
728397.6	3949688	12948	05/14/2011	105302	cpm	0.565296118
728398	3949687	12057	05/14/2011	105303	cpm	-0.746367531
728398.2	3949685	13184	05/14/2011	105304	cpm	0.912717691
728398.3	3949684	12416	05/14/2011	105305	cpm	-0.217874545
728398.6	3949683	13544	05/14/2011	105306	cpm	1.442682801
728398.9	3949682	13376	05/14/2011	105307	cpm	1.19536575
728399	3949680	12524	05/14/2011	105308	cpm	-0.058885012
728399.2	3949679	13121	05/14/2011	105309	cpm	0.819973796
728399.3	3949678	13480	05/14/2011	105310	cpm	1.348466781
728399.5	3949677	13000	05/14/2011	105311	cpm	0.641846634
728399.7	3949675	12745	05/14/2011	105312	cpm	0.266454681
728399.5	3949673	11199	05/14/2011	105314	cpm	-2.009451044
728399.5	3949672	11619	05/14/2011	105315	cpm	-1.391158415
728399.8	3949671	11785	05/14/2011	105316	cpm	-1.146785614
728400.1	3949670	11196	05/14/2011	105317	cpm	-2.01386742
728400.2	3949669	11709	05/14/2011	105318	cpm	-1.258667138
728400.3	3949668	12437	05/14/2011	105319	cpm	-0.186959914
728400.8	3949668	12619	05/14/2011	105320	cpm	0.080966892
728401.4	3949667	12004	05/14/2011	105321	cpm	-0.824390172
728402	3949666	11431	05/14/2011	105322	cpm	-1.667917973
728403.3	3949664	12037	05/14/2011	105324	cpm	-0.775810037
728403.8	3949663	11199	05/14/2011	105325	cpm	-2.009451044
728404.1	3949662	12310	05/14/2011	105326	cpm	-0.373919828
728404.6	3949661	11627	05/14/2011	105327	cpm	-1.379381413
728405.1	3949660	11516	05/14/2011	105328	cpm	-1.542787322
728404.4	3949658	11099	05/14/2011	105329	cpm	-2.156663575

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728404.8	3949658	11325	05/14/2011	105330	cpm	-1.823963256
728405.6	3949658	13601	05/14/2011	105331	cpm	1.526593944
728406.5	3949658	11800	05/14/2011	105332	cpm	-1.124703735
728408.3	3949659	12220	05/14/2011	105333	cpm	-0.506411106
728409.1	3949660	10555	05/14/2011	105334	cpm	-2.957499742
728409.2	3949661	11068	05/14/2011	105335	cpm	-2.20229946
728408	3949661	10897	05/14/2011	105336	cpm	-2.454032887
728408.5	3949662	11124	05/14/2011	105337	cpm	-2.119860443
728408.3	3949663	12231	05/14/2011	105338	cpm	-0.490217727
728407.9	3949664	11757	05/14/2011	105339	cpm	-1.188005123
728407.7	3949665	11902	05/14/2011	105340	cpm	-0.974546953
728408.2	3949667	11228	05/14/2011	105342	cpm	-1.966759411
728408.5	3949668	12467	05/14/2011	105343	cpm	-0.142796155
728408.9	3949669	10406	05/14/2011	105344	cpm	-3.176846413
728409.3	3949670	10281	05/14/2011	105345	cpm	-3.360862077
728409.9	3949671	12380	05/14/2011	105346	cpm	-0.270871057
728410.9	3949671	12155	05/14/2011	105347	cpm	-0.602099251
728411.3	3949672	10568	05/14/2011	105348	cpm	-2.938362113
728410.9	3949674	12182	05/14/2011	105349	cpm	-0.562351867
728411.5	3949674	12315	05/14/2011	105350	cpm	-0.366559202
728411.7	3949675	11118	05/14/2011	105352	cpm	-2.128693194
728411.3	3949675	11139	05/14/2011	105353	cpm	-2.097778563
728411.2	3949676	11277	05/14/2011	105354	cpm	-1.894625271
728410.5	3949676	11189	05/14/2011	105355	cpm	-2.024172298
728410	3949677	11977	05/14/2011	105356	cpm	-0.864137555
728409.5	3949678	10494	05/14/2011	105357	cpm	-3.047299386
728409	3949679	10993	05/14/2011	105358	cpm	-2.312708858
728408.5	3949680	12018	05/14/2011	105359	cpm	-0.803780418
728408.1	3949681	12394	05/14/2011	105400	cpm	-0.250261302
728407.7	3949682	12518	05/14/2011	105401	cpm	-0.067717764
728407.3	3949684	12009	05/14/2011	105402	cpm	-0.817029546
728406.9	3949685	13472	05/14/2011	105403	cpm	1.336689779
728406.5	3949686	12248	05/14/2011	105404	cpm	-0.465191597
728406.1	3949687	11702	05/14/2011	105405	cpm	-1.268972015
728405.9	3949688	13155	05/14/2011	105406	cpm	0.870026057
728405.6	3949689	12828	05/14/2011	105407	cpm	0.388641081
728405.4	3949691	12837	05/14/2011	105408	cpm	0.401890209
728405.3	3949692	13709	05/14/2011	105409	cpm	1.685583477
728405.1	3949693	13546	05/14/2011	105410	cpm	1.445627052
728404.9	3949694	13916	05/14/2011	105411	cpm	1.990313415
728404.7	3949695	13619	05/14/2011	105412	cpm	1.553092199
728404.4	3949696	13725	05/14/2011	105413	cpm	1.709137482
728404.3	3949697	11651	05/14/2011	105414	cpm	-1.344050406

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728404.1	3949698	12842	05/14/2011	105415	cpm	0.409250835
728403.8	3949700	12600	05/14/2011	105416	cpm	0.052996511
728403.7	3949701	13170	05/14/2011	105417	cpm	0.892107936
728403.5	3949702	14482	05/14/2011	105418	cpm	2.823536339
728403.6	3949704	13100	05/14/2011	105419	cpm	0.789059165
728403.5	3949705	13325	05/14/2011	105420	cpm	1.120287359
728403.2	3949707	12451	05/14/2011	105422	cpm	-0.16635016
728403.2	3949709	10942	05/14/2011	105423	cpm	-2.387787248
728403.1	3949710	12515	05/14/2011	105424	cpm	-0.07213414
728403.2	3949711	12669	05/14/2011	105425	cpm	0.154573157
728403.2	3949712	12257	05/14/2011	105426	cpm	-0.451942469
728403.3	3949713	13954	05/14/2011	105427	cpm	2.046254177
728403.4	3949713	13748	05/14/2011	105428	cpm	1.742996364
728403.4	3949715	16457	05/14/2011	105429	cpm	5.730983821
728403.2	3949715	14584	05/14/2011	105430	cpm	2.973693121
728403	3949716	14176	05/14/2011	105431	cpm	2.373065995
728403	3949717	13744	05/14/2011	105432	cpm	1.737107863
728402.9	3949718	11656	05/14/2011	105433	cpm	-1.336689779
728402.9	3949718	10804	05/14/2011	105434	cpm	-2.590940541
728402.7	3949719	11071	05/14/2011	105435	cpm	-2.197883084
728402.5	3949720	10597	05/14/2011	105436	cpm	-2.895670479
728402.2	3949721	12279	05/14/2011	105437	cpm	-0.419555713
728401.9	3949722	11890	05/14/2011	105438	cpm	-0.992212457
728401.4	3949724	12105	05/14/2011	105440	cpm	-0.675705516
728401.1	3949725	12116	05/14/2011	105441	cpm	-0.659512138
728401.1	3949726	13349	05/14/2011	105442	cpm	1.155618366
728401.1	3949727	12727	05/14/2011	105443	cpm	0.239956425
728400.9	3949728	12121	05/14/2011	105444	cpm	-0.652151511
728400.5	3949729	10770	05/14/2011	105445	cpm	-2.640992801
728400.1	3949730	12262	05/14/2011	105446	cpm	-0.444581843
728399.8	3949731	11675	05/14/2011	105447	cpm	-1.308719398
728399.4	3949732	10419	05/14/2011	105448	cpm	-3.157708784
728398.5	3949734	11364	05/14/2011	105450	cpm	-1.766550369
728398.3	3949734	10821	05/14/2011	105451	cpm	-2.565914411
728398.3	3949734	10655	05/14/2011	105452	cpm	-2.810287212
728398.3	3949734	12173	05/14/2011	105453	cpm	-0.575600995
728398.4	3949734	11533	05/14/2011	105454	cpm	-1.517761192
728398.2	3949735	10986	05/14/2011	105455	cpm	-2.323013735
728397.6	3949736	12188	05/14/2011	105456	cpm	-0.553519116
728397.1	3949737	11417	05/14/2011	105457	cpm	-1.688527727
728396.8	3949738	12694	05/14/2011	105458	cpm	0.19137629
728396.5	3949739	11093	05/14/2011	105459	cpm	-2.165496327
728396.3	3949740	12913	05/14/2011	105500	cpm	0.513771732

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728396.9	3949741	11538	05/14/2011	105501	cpm	-1.510400565
728397.7	3949742	11944	05/14/2011	105502	cpm	-0.912717691
728398.9	3949742	11386	05/14/2011	105503	cpm	-1.734163612
728400.3	3949741	11099	05/14/2011	105504	cpm	-2.156663575
728401.5	3949739	10556	05/14/2011	105506	cpm	-2.956027617
728402.6	3949737	11122	05/14/2011	105508	cpm	-2.122804693
728402.9	3949736	10940	05/14/2011	105509	cpm	-2.390731499
728403.2	3949735	11435	05/14/2011	105510	cpm	-1.662029472
728404	3949735	11888	05/14/2011	105511	cpm	-0.995156708
728405.1	3949734	11582	05/14/2011	105512	cpm	-1.445627052
728405.5	3949733	11055	05/14/2011	105513	cpm	-2.221437089
728405.8	3949732	12633	05/14/2011	105514	cpm	0.101576646
728406.3	3949731	10778	05/14/2011	105515	cpm	-2.629215799
728406.9	3949729	10824	05/14/2011	105517	cpm	-2.561498035
728407.2	3949728	11766	05/14/2011	105518	cpm	-1.174755995
728407.6	3949727	12751	05/14/2011	105519	cpm	0.275287432
728407.9	3949726	12037	05/14/2011	105520	cpm	-0.775810037
728408.1	3949724	13059	05/14/2011	105521	cpm	0.728702027
728408.3	3949723	13765	05/14/2011	105522	cpm	1.768022494
728408.7	3949722	13821	05/14/2011	105523	cpm	1.850461511
728409.3	3949721	12425	05/14/2011	105524	cpm	-0.204625418
728409.8	3949720	12616	05/14/2011	105525	cpm	0.076550516
728410.2	3949719	11434	05/14/2011	105526	cpm	-1.663501597
728410.4	3949718	12338	05/14/2011	105527	cpm	-0.332700319
728410.7	3949717	12084	05/14/2011	105528	cpm	-0.706620148
728411.1	3949716	12111	05/14/2011	105529	cpm	-0.666872764
728411.5	3949715	13012	05/14/2011	105530	cpm	0.659512138
728412.6	3949712	10660	05/14/2011	105532	cpm	-2.802926585
728413	3949711	11395	05/14/2011	105533	cpm	-1.720914484
728413.3	3949710	11248	05/14/2011	105534	cpm	-1.937316904
728413.7	3949709	10852	05/14/2011	105535	cpm	-2.520278526
728414.1	3949708	11863	05/14/2011	105536	cpm	-1.03195984
728414.4	3949707	11395	05/14/2011	105537	cpm	-1.720914484
728414.7	3949706	11759	05/14/2011	105538	cpm	-1.185060872
728414.7	3949705	11519	05/14/2011	105539	cpm	-1.538370946
728414.4	3949702	12120	05/14/2011	105541	cpm	-0.653623636
728414.4	3949701	11850	05/14/2011	105542	cpm	-1.051097469
728414.4	3949701	12765	05/14/2011	105543	cpm	0.295897187
728414.6	3949700	11990	05/14/2011	105544	cpm	-0.844999926
728414.8	3949699	11667	05/14/2011	105545	cpm	-1.320496401
728414.9	3949698	10387	05/14/2011	105546	cpm	-3.204816794
728415.2	3949697	12196	05/14/2011	105547	cpm	-0.541742113
728415.4	3949696	11629	05/14/2011	105548	cpm	-1.376437162

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728415.6	3949695	11937	05/14/2011	105549	cpm	-0.923022568
728415.8	3949694	11504	05/14/2011	105550	cpm	-1.560452826
728416.5	3949693	11366	05/14/2011	105551	cpm	-1.763606118
728417	3949692	10745	05/14/2011	105552	cpm	-2.677795934
728417.4	3949690	11854	05/14/2011	105554	cpm	-1.045208968
728417.5	3949689	11123	05/14/2011	105555	cpm	-2.121332568
728417.8	3949688	11721	05/14/2011	105556	cpm	-1.241001634
728418.5	3949688	11390	05/14/2011	105557	cpm	-1.728275111
728419.5	3949688	11037	05/14/2011	105558	cpm	-2.247935344
728420.6	3949688	10919	05/14/2011	105559	cpm	-2.421646131
728421.5	3949689	11550	05/14/2011	105600	cpm	-1.492735062
728422.2	3949689	12697	05/14/2011	105601	cpm	0.195792666
728422.7	3949690	12684	05/14/2011	105602	cpm	0.176655037
728422.7	3949692	12321	05/14/2011	105604	cpm	-0.35772645
728422.4	3949694	12380	05/14/2011	105605	cpm	-0.270871057
728422.1	3949695	13025	05/14/2011	105606	cpm	0.678649767
728421.7	3949696	13606	05/14/2011	105607	cpm	1.53395457
728421.3	3949697	12851	05/14/2011	105608	cpm	0.422499963
728421	3949698	12003	05/14/2011	105609	cpm	-0.825862297
728420.8	3949698	13800	05/14/2011	105610	cpm	1.81954688
728420.6	3949699	12180	05/14/2011	105611	cpm	-0.565296118
728420.6	3949700	12555	05/14/2011	105612	cpm	-0.013249128
728420.3	3949702	12678	05/14/2011	105613	cpm	0.167822285
728420.1	3949702	12139	05/14/2011	105614	cpm	-0.625653256
728419.8	3949703	12575	05/14/2011	105615	cpm	0.016193378
728419.6	3949703	14063	05/14/2011	105616	cpm	2.206715836
728419.5	3949704	12606	05/14/2011	105617	cpm	0.061829263
728419	3949705	12720	05/14/2011	105618	cpm	0.229651548
728417.7	3949706	12855	05/14/2011	105620	cpm	0.428388464
728417.4	3949707	11433	05/14/2011	105621	cpm	-1.664973723
728417.2	3949709	12428	05/14/2011	105622	cpm	-0.200209042
728417.1	3949710	11447	05/14/2011	105623	cpm	-1.644363968
728417	3949711	13211	05/14/2011	105624	cpm	0.952465074
728417.1	3949712	12393	05/14/2011	105625	cpm	-0.251733428
728417.4	3949713	12998	05/14/2011	105626	cpm	0.638902383
728417.7	3949714	12339	05/14/2011	105627	cpm	-0.331228194
728417.7	3949715	12835	05/14/2011	105628	cpm	0.398945958
728417.4	3949716	12928	05/14/2011	105629	cpm	0.535853612
728416.4	3949718	11782	05/14/2011	105631	cpm	-1.15120199
728416.1	3949719	12215	05/14/2011	105632	cpm	-0.513771732
728415.9	3949720	13613	05/14/2011	105633	cpm	1.544259447
728415.7	3949722	13153	05/14/2011	105634	cpm	0.867081806
728415.3	3949723	12528	05/14/2011	105635	cpm	-0.052996511



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration (pCi/g) $y = 679.29x + 12564$
728414.9	3949724	11472	05/14/2011	105636	cpm	-1.607560836
728414.5	3949724	11928	05/14/2011	105637	cpm	-0.936271695
728414.1	3949725	10932	05/14/2011	105638	cpm	-2.402508502
728413.7	3949726	12753	05/14/2011	105639	cpm	0.278231683
728413.3	3949727	11948	05/14/2011	105640	cpm	-0.906829189
728413	3949728	12227	05/14/2011	105641	cpm	-0.496106229
728412.9	3949729	12201	05/14/2011	105642	cpm	-0.534381487
728412.8	3949730	12980	05/14/2011	105644	cpm	0.612404128
728413.7	3949731	11236	05/14/2011	105646	cpm	-1.954982408
728414.7	3949731	11389	05/14/2011	105647	cpm	-1.729747236
728415.8	3949731	11457	05/14/2011	105648	cpm	-1.629642715
728416.7	3949731	12584	05/14/2011	105649	cpm	0.029442506
728417.7	3949731	11636	05/14/2011	105650	cpm	-1.366132285
728418.7	3949731	12629	05/14/2011	105651	cpm	0.095688145
728419.5	3949730	12787	05/14/2011	105652	cpm	0.328283944
728420.2	3949730	10906	05/14/2011	105653	cpm	-2.44078376
728420.9	3949728	11516	05/14/2011	105655	cpm	-1.542787322
728421.6	3949728	12299	05/14/2011	105656	cpm	-0.390113206
728422.2	3949727	11865	05/14/2011	105657	cpm	-1.02901559
728422.5	3949726	11756	05/14/2011	105658	cpm	-1.189477248
728423.1	3949726	11549	05/14/2011	105659	cpm	-1.494207187
728423.6	3949725	10567	05/14/2011	105700	cpm	-2.939834239
728423.9	3949724	11881	05/14/2011	105701	cpm	-1.005461585
728424.2	3949724	10950	05/14/2011	105702	cpm	-2.376010246
728424.2	3949723	11124	05/14/2011	105704	cpm	-2.119860443
728424.7	3949723	11871	05/14/2011	105705	cpm	-1.020182838
728425.2	3949722	11307	05/14/2011	105706	cpm	-1.850461511
728425.8	3949721	10087	05/14/2011	105707	cpm	-3.646454386
728426.3	3949721	10935	05/14/2011	105708	cpm	-2.398092126
728427	3949719	12548	05/14/2011	105710	cpm	-0.023554005
728427	3949717	10871	05/14/2011	105712	cpm	-2.492308145
728426.9	3949716	11538	05/14/2011	105713	cpm	-1.510400565
728426.9	3949715	11554	05/14/2011	105714	cpm	-1.48684656
728427.2	3949714	12728	05/14/2011	105715	cpm	0.24142855
728427.5	3949713	12632	05/14/2011	105716	cpm	0.100104521
728427.7	3949712	13178	05/14/2011	105717	cpm	0.903884939
728428.2	3949712	12894	05/14/2011	105718	cpm	0.485801351
728428.6	3949711	11023	05/14/2011	105719	cpm	-2.268545099
728428.3	3949710	12836	05/14/2011	105720	cpm	0.400418084
728426.5	3949709	14159	05/14/2011	105722	cpm	2.348039865
728425.6	3949708	12359	05/14/2011	105723	cpm	-0.301785688
728424.6	3949708	12870	05/14/2011	105724	cpm	0.450470344
728423.5	3949708	13327	05/14/2011	105725	cpm	1.123231609

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728422.7	3949707	12931	05/14/2011	105726	cpm	0.540269988
728421.9	3949706	12862	05/14/2011	105727	cpm	0.438693342
728421	3949706	12785	05/14/2011	105728	cpm	0.325339693
728420	3949705	10966	05/14/2011	105729	cpm	-2.352456241
728418.9	3949705	12461	05/14/2011	105730	cpm	-0.151628907
728417.9	3949704	13255	05/14/2011	105731	cpm	1.017238587
728417	3949704	12224	05/14/2011	105732	cpm	-0.500522604
728416	3949704	12716	05/14/2011	105733	cpm	0.223763047
728415	3949704	11444	05/14/2011	105734	cpm	-1.648780344
728413.1	3949703	11597	05/14/2011	105736	cpm	-1.423545172
728412.1	3949703	12199	05/14/2011	105737	cpm	-0.537325737
728411.1	3949703	11449	05/14/2011	105738	cpm	-1.641419718
728410.1	3949702	10302	05/14/2011	105739	cpm	-3.329947445
728409.3	3949702	12085	05/14/2011	105740	cpm	-0.705148022
728408.5	3949701	11481	05/14/2011	105741	cpm	-1.594311708
728407.8	3949700	11510	05/14/2011	105742	cpm	-1.551620074
728407	3949700	12717	05/14/2011	105743	cpm	0.225235172
728405.8	3949699	12299	05/14/2011	105745	cpm	-0.390113206
728405.2	3949699	13155	05/14/2011	105746	cpm	0.870026057
728404.4	3949698	12498	05/14/2011	105747	cpm	-0.09716027
728403.8	3949698	12964	05/14/2011	105748	cpm	0.588850123
728403.1	3949697	14461	05/14/2011	105749	cpm	2.792621708
728402.3	3949696	14685	05/14/2011	105750	cpm	3.122377777
728401.7	3949696	13391	05/14/2011	105751	cpm	1.217447629
728401.4	3949695	14178	05/14/2011	105752	cpm	2.376010246
728401.3	3949695	14284	05/14/2011	105753	cpm	2.532055529
728401.3	3949695	13261	05/14/2011	105754	cpm	1.026071339
728401.3	3949695	13965	05/14/2011	105755	cpm	2.062447556
728401.9	3949694	16600	05/14/2011	105756	cpm	5.94149774
728402.5	3949692	15062	05/14/2011	105758	cpm	3.677369018
728402.8	3949691	13815	05/14/2011	105759	cpm	1.841628759
728403	3949690	12543	05/14/2011	105800	cpm	-0.030914631
728403.3	3949689	12916	05/14/2011	105801	cpm	0.518188108
728403.6	3949688	12589	05/14/2011	105802	cpm	0.036803133
728404.1	3949687	11487	05/14/2011	105803	cpm	-1.585478956
728404.7	3949686	11632	05/14/2011	105804	cpm	-1.372020786
728404.9	3949685	11668	05/14/2011	105805	cpm	-1.319024275
728404.4	3949684	12727	05/14/2011	105806	cpm	0.239956425
728403.4	3949683	13501	05/14/2011	105807	cpm	1.379381413
728402	3949683	14385	05/14/2011	105809	cpm	2.680740185
728401.1	3949682	13046	05/14/2011	105810	cpm	0.709564398
728400	3949682	12741	05/14/2011	105811	cpm	0.260566179
728399.2	3949682	12845	05/14/2011	105812	cpm	0.413667211

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration (pCi/g) $y = 679.29x + 12564$
728398.2	3949682	12421	05/14/2011	105813	cpm	-0.210513919
728397.2	3949682	12435	05/14/2011	105814	cpm	-0.189904165
728396.2	3949682	11917	05/14/2011	105815	cpm	-0.952465074
728395.3	3949681	12904	05/14/2011	105816	cpm	0.500522604
728394.3	3949682	12166	05/14/2011	105817	cpm	-0.585905872
728393.6	3949682	12565	05/14/2011	105818	cpm	0.001472125
728393	3949683	13467	05/14/2011	105820	cpm	1.329329152
728392.4	3949684	13501	05/14/2011	105822	cpm	1.379381413
728391.9	3949685	13395	05/14/2011	105823	cpm	1.22333613
728391.4	3949686	13938	05/14/2011	105824	cpm	2.022700172
728391.1	3949686	13534	05/14/2011	105825	cpm	1.427961548
728390.9	3949687	13643	05/14/2011	105826	cpm	1.588423207
728391.1	3949688	13491	05/14/2011	105827	cpm	1.36466016
728391.4	3949689	14262	05/14/2011	105828	cpm	2.499668772
728391.2	3949689	13345	05/14/2011	105829	cpm	1.149729865
728391.2	3949690	13596	05/14/2011	105830	cpm	1.519233317
728391	3949691	13419	05/14/2011	105831	cpm	1.258667138
728390.6	3949693	14304	05/14/2011	105833	cpm	2.561498035
728390.3	3949694	14646	05/14/2011	105834	cpm	3.06496489
728389.9	3949695	14491	05/14/2011	105835	cpm	2.836785467
728389.3	3949695	12172	05/14/2011	105836	cpm	-0.57707312
728388.9	3949696	13243	05/14/2011	105837	cpm	0.999573084
728388.6	3949697	14951	05/14/2011	105838	cpm	3.513963109
728388.1	3949698	14477	05/14/2011	105839	cpm	2.816175713
728387.6	3949699	14719	05/14/2011	105840	cpm	3.172430037
728387.1	3949700	14299	05/14/2011	105841	cpm	2.554137408
728386.9	3949701	15361	05/14/2011	105842	cpm	4.117534485
728386.8	3949702	15675	05/14/2011	105844	cpm	4.579781831
728387.4	3949703	15978	05/14/2011	105845	cpm	5.025835799
728388.1	3949704	16714	05/14/2011	105846	cpm	6.109320025
728388.3	3949705	16298	05/14/2011	105847	cpm	5.496915897
728388.2	3949706	13794	05/14/2011	105848	cpm	1.810714128
728387.8	3949706	11998	05/14/2011	105849	cpm	-0.833222924
728387.1	3949707	13109	05/14/2011	105850	cpm	0.802308292
728386.5	3949708	11257	05/14/2011	105851	cpm	-1.924067777
728386	3949709	10464	05/14/2011	105852	cpm	-3.091463145
728385.4	3949710	10446	05/14/2011	105853	cpm	-3.117961401
728384.1	3949711	11881	05/14/2011	105855	cpm	-1.005461585
728383.5	3949712	11550	05/14/2011	105856	cpm	-1.492735062
728383	3949713	11077	05/14/2011	105857	cpm	-2.189050332
728382.5	3949714	12639	05/14/2011	105858	cpm	0.110409398
728382.3	3949715	11440	05/14/2011	105859	cpm	-1.654668845
728382.4	3949716	11830	05/14/2011	105900	cpm	-1.080539976

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
728382.3	3949717	11627	05/14/2011	105901	cpm	-1.379381413
728381.7	3949718	12776	05/14/2011	105902	cpm	0.312090565
728380.8	3949718	12014	05/14/2011	105903	cpm	-0.809668919
728379.9	3949718	15063	05/14/2011	105904	cpm	3.678841143
728378.9	3949718	14715	05/14/2011	105905	cpm	3.166541536
728377.9	3949717	11787	05/14/2011	105906	cpm	-1.143841364
728376.9	3949717	11557	05/14/2011	105907	cpm	-1.482430184
728376	3949717	11949	05/14/2011	105908	cpm	-0.905357064
728375.2	3949716	10817	05/14/2011	105909	cpm	-2.571802912
728374.4	3949716	12064	05/14/2011	105910	cpm	-0.736062654
728374.4	3949716	11536	05/14/2011	105911	cpm	-1.513344816
728374.4	3949716	11314	05/14/2011	105912	cpm	-1.840156634
	mean	12929			mean	0.54
	min	8711			min	-5.67
	max	30060			max	25.8
	stdev	2411			stdev	3.55

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728321.9	3949706	29748	5/14/2015	095839	cpm	-3.20
728321.9	3949706	35307	5/14/2015	095840	cpm	0.32
728321.9	3949706	34327	5/14/2015	095841	cpm	-0.30
728321.9	3949706	29731	5/14/2015	095842	cpm	-3.21
728321.9	3949706	34162	5/14/2015	095843	cpm	-0.40
728321.9	3949706	30830	5/14/2015	095844	cpm	-2.51
728321.9	3949706	31887	5/14/2015	095845	cpm	-1.84
728321.9	3949706	30592	5/14/2015	095846	cpm	-2.66
728321.9	3949706	30058	5/14/2015	095847	cpm	-3.00
728321.8	3949706	30449	5/14/2015	095848	cpm	-2.75
728321.9	3949706	31091	5/14/2015	095849	cpm	-2.35
728321.9	3949706	30362	5/14/2015	095850	cpm	-2.81
728321.8	3949706	32310	5/14/2015	095851	cpm	-1.57
728321.8	3949706	28777	5/14/2015	095852	cpm	-3.81
728322	3949705	27834	5/14/2015	095853	cpm	-4.41
728322.5	3949704	31048	5/14/2015	095854	cpm	-2.37
728322.9	3949704	29272	5/14/2015	095855	cpm	-3.50
728323.5	3949703	31378	5/14/2015	095856	cpm	-2.16
728324.1	3949702	30074	5/14/2015	095857	cpm	-2.99
728324.5	3949701	35988	5/14/2015	095858	cpm	0.76
728325	3949700	35667	5/14/2015	095859	cpm	0.55
728325.4	3949699	33816	5/14/2015	095900	cpm	-0.62
728326	3949697	31194	5/14/2015	095901	cpm	-2.28
728326.5	3949696	29038	5/14/2015	095902	cpm	-3.65
728326.9	3949695	33629	5/14/2015	095903	cpm	-0.74
728327.4	3949694	30697	5/14/2015	095904	cpm	-2.59
728327.9	3949693	28314	5/14/2015	095905	cpm	-4.10
728328.3	3949693	29788	5/14/2015	095906	cpm	-3.17
728329.1	3949692	29167	5/14/2015	095907	cpm	-3.56
728329.5	3949692	32431	5/14/2015	095908	cpm	-1.50
728329.8	3949691	33877	5/14/2015	095909	cpm	-0.58
728330.1	3949690	33429	5/14/2015	095910	cpm	-0.86
728330.6	3949689	32987	5/14/2015	095911	cpm	-1.14
728331.2	3949688	35486	5/14/2015	095912	cpm	0.44
728331.8	3949687	34821	5/14/2015	095913	cpm	0.02
728332.3	3949686	31655	5/14/2015	095914	cpm	-1.99
728332.7	3949685	30623	5/14/2015	095915	cpm	-2.64
728333.2	3949684	33336	5/14/2015	095916	cpm	-0.92
728333.7	3949683	30204	5/14/2015	095917	cpm	-2.91
728334.2	3949682	31521	5/14/2015	095918	cpm	-2.07
728334.7	3949681	33380	5/14/2015	095919	cpm	-0.90
728335.1	3949680	32915	5/14/2015	095920	cpm	-1.19

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728335.5	3949679	32858	5/14/2015	095921	cpm	-1.23
728336.1	3949678	33624	5/14/2015	095922	cpm	-0.74
728336.6	3949677	31866	5/14/2015	095923	cpm	-1.85
728337.1	3949676	36706	5/14/2015	095924	cpm	1.21
728337.7	3949675	30956	5/14/2015	095925	cpm	-2.43
728338.1	3949674	31679	5/14/2015	095926	cpm	-1.97
728338.6	3949673	33120	5/14/2015	095927	cpm	-1.06
728339.1	3949672	31200	5/14/2015	095928	cpm	-2.28
728339.7	3949671	33330	5/14/2015	095929	cpm	-0.93
728340.3	3949671	32842	5/14/2015	095930	cpm	-1.24
728340.7	3949670	32720	5/14/2015	095931	cpm	-1.31
728341.2	3949669	31550	5/14/2015	095932	cpm	-2.05
728341.7	3949668	33447	5/14/2015	095933	cpm	-0.85
728342.3	3949667	32452	5/14/2015	095934	cpm	-1.48
728342.8	3949666	32143	5/14/2015	095935	cpm	-1.68
728343.3	3949665	33475	5/14/2015	095936	cpm	-0.84
728343.7	3949664	32459	5/14/2015	095937	cpm	-1.48
728344.2	3949663	28394	5/14/2015	095938	cpm	-4.05
728344.6	3949662	28878	5/14/2015	095939	cpm	-3.75
728345	3949661	28399	5/14/2015	095940	cpm	-4.05
728345.4	3949660	28819	5/14/2015	095941	cpm	-3.78
728346	3949660	30545	5/14/2015	095942	cpm	-2.69
728346.5	3949659	29086	5/14/2015	095943	cpm	-3.61
728346.8	3949658	30161	5/14/2015	095944	cpm	-2.93
728347.1	3949658	30430	5/14/2015	095945	cpm	-2.76
728347.3	3949658	28937	5/14/2015	095946	cpm	-3.71
728348.1	3949658	30964	5/14/2015	095947	cpm	-2.43
728349	3949659	28381	5/14/2015	095948	cpm	-4.06
728349.1	3949659	30825	5/14/2015	095949	cpm	-2.51
728348.8	3949660	30716	5/14/2015	095950	cpm	-2.58
728348.3	3949661	29969	5/14/2015	095951	cpm	-3.06
728347.9	3949661	29422	5/14/2015	095952	cpm	-3.40
728347.5	3949662	30155	5/14/2015	095953	cpm	-2.94
728347.1	3949663	28028	5/14/2015	095954	cpm	-4.28
728346.6	3949664	28877	5/14/2015	095955	cpm	-3.75
728346.2	3949665	29269	5/14/2015	095956	cpm	-3.50
728345.7	3949666	30327	5/14/2015	095957	cpm	-2.83
728345.2	3949666	33052	5/14/2015	095958	cpm	-1.10
728344.8	3949667	32803	5/14/2015	095959	cpm	-1.26
728344.3	3949668	30580	5/14/2015	100000	cpm	-2.67
728343.8	3949669	30895	5/14/2015	100001	cpm	-2.47
728343.4	3949670	32593	5/14/2015	100002	cpm	-1.39

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728343	3949671	32298	5/14/2015	100003	cpm	-1.58
728342.4	3949672	34204	5/14/2015	100004	cpm	-0.37
728341.9	3949672	39661	5/14/2015	100005	cpm	3.08
728341.5	3949673	40875	5/14/2015	100006	cpm	3.85
728341	3949674	36588	5/14/2015	100007	cpm	1.14
728340.6	3949675	35457	5/14/2015	100008	cpm	0.42
728340.2	3949676	34724	5/14/2015	100009	cpm	-0.04
728339.8	3949676	32801	5/14/2015	100010	cpm	-1.26
728339.3	3949677	33040	5/14/2015	100011	cpm	-1.11
728338.7	3949678	32200	5/14/2015	100012	cpm	-1.64
728338.2	3949679	30370	5/14/2015	100013	cpm	-2.80
728337.8	3949680	31382	5/14/2015	100014	cpm	-2.16
728337.4	3949681	33105	5/14/2015	100015	cpm	-1.07
728336.9	3949682	35096	5/14/2015	100016	cpm	0.19
728336.4	3949682	32984	5/14/2015	100017	cpm	-1.15
728336.1	3949683	29696	5/14/2015	100018	cpm	-3.23
728335.6	3949684	32444	5/14/2015	100019	cpm	-1.49
728335.2	3949685	32861	5/14/2015	100020	cpm	-1.22
728334.9	3949686	31615	5/14/2015	100021	cpm	-2.01
728334.6	3949687	29983	5/14/2015	100022	cpm	-3.05
728334.3	3949688	29306	5/14/2015	100023	cpm	-3.48
728333.7	3949688	28476	5/14/2015	100024	cpm	-4.00
728333.5	3949689	30849	5/14/2015	100025	cpm	-2.50
728333.1	3949690	28862	5/14/2015	100026	cpm	-3.76
728332.6	3949691	31035	5/14/2015	100027	cpm	-2.38
728332.2	3949691	32208	5/14/2015	100028	cpm	-1.64
728331.8	3949692	32412	5/14/2015	100029	cpm	-1.51
728331.4	3949693	29793	5/14/2015	100030	cpm	-3.17
728331	3949694	32978	5/14/2015	100031	cpm	-1.15
728330.7	3949694	30834	5/14/2015	100032	cpm	-2.51
728330.2	3949695	34198	5/14/2015	100033	cpm	-0.38
728329.8	3949696	33989	5/14/2015	100034	cpm	-0.51
728329.5	3949697	33787	5/14/2015	100035	cpm	-0.64
728329.1	3949697	32206	5/14/2015	100036	cpm	-1.64
728328.7	3949698	33581	5/14/2015	100037	cpm	-0.77
728328.2	3949699	33025	5/14/2015	100038	cpm	-1.12
728327.8	3949700	30516	5/14/2015	100039	cpm	-2.71
728327.3	3949700	33609	5/14/2015	100040	cpm	-0.75
728326.8	3949701	33902	5/14/2015	100041	cpm	-0.56
728326.4	3949702	32325	5/14/2015	100042	cpm	-1.56
728325.9	3949702	33108	5/14/2015	100043	cpm	-1.07
728325	3949704	34544	5/14/2015	100045	cpm	-0.16

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728324.4	3949705	32549	5/14/2015	100047	cpm	-1.42
728323.9	3949706	30099	5/14/2015	100049	cpm	-2.97
728323.8	3949706	30043	5/14/2015	100051	cpm	-3.01
728323.9	3949706	31715	5/14/2015	100053	cpm	-1.95
728323.9	3949706	29359	5/14/2015	100054	cpm	-3.44
728323.8	3949706	33559	5/14/2015	100055	cpm	-0.78
728323.7	3949706	33620	5/14/2015	100056	cpm	-0.74
728323.6	3949706	31025	5/14/2015	100057	cpm	-2.39
728323.9	3949706	30586	5/14/2015	100058	cpm	-2.66
728324.5	3949707	34196	5/14/2015	100059	cpm	-0.38
728325.1	3949707	34199	5/14/2015	100100	cpm	-0.38
728325.6	3949708	32520	5/14/2015	100101	cpm	-1.44
728326.1	3949708	30000	5/14/2015	100102	cpm	-3.04
728326.2	3949708	30510	5/14/2015	100103	cpm	-2.71
728326.3	3949708	30187	5/14/2015	100104	cpm	-2.92
728326.6	3949707	31576	5/14/2015	100105	cpm	-2.04
728327.1	3949707	33934	5/14/2015	100106	cpm	-0.54
728327.5	3949706	32573	5/14/2015	100107	cpm	-1.41
728327.9	3949705	31783	5/14/2015	100108	cpm	-1.91
728328.3	3949704	31196	5/14/2015	100109	cpm	-2.28
728328.6	3949703	29639	5/14/2015	100110	cpm	-3.26
728328.7	3949702	33419	5/14/2015	100111	cpm	-0.87
728329.1	3949702	34365	5/14/2015	100112	cpm	-0.27
728329.5	3949701	33101	5/14/2015	100113	cpm	-1.07
728329.8	3949700	33655	5/14/2015	100114	cpm	-0.72
728330.3	3949700	31663	5/14/2015	100115	cpm	-1.98
728330.8	3949699	29186	5/14/2015	100116	cpm	-3.55
728331.5	3949697	32166	5/14/2015	100118	cpm	-1.66
728332	3949696	29851	5/14/2015	100119	cpm	-3.13
728332.3	3949696	30082	5/14/2015	100120	cpm	-2.98
728332.6	3949695	31700	5/14/2015	100121	cpm	-1.96
728333.1	3949694	33245	5/14/2015	100122	cpm	-0.98
728333.5	3949693	31921	5/14/2015	100123	cpm	-1.82
728333.8	3949693	32730	5/14/2015	100124	cpm	-1.31
728334.3	3949692	29272	5/14/2015	100125	cpm	-3.50
728334.8	3949691	31018	5/14/2015	100126	cpm	-2.39
728335.2	3949690	29174	5/14/2015	100127	cpm	-3.56
728335.6	3949689	30723	5/14/2015	100128	cpm	-2.58
728336	3949688	34170	5/14/2015	100129	cpm	-0.40
728336.4	3949688	34282	5/14/2015	100130	cpm	-0.32
728336.8	3949687	31550	5/14/2015	100131	cpm	-2.05
728337.1	3949686	30357	5/14/2015	100132	cpm	-2.81



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728337.5	3949685	29909	5/14/2015	100133	cpm	-3.09
728337.9	3949684	31027	5/14/2015	100134	cpm	-2.39
728338.3	3949683	30946	5/14/2015	100135	cpm	-2.44
728338.7	3949683	33656	5/14/2015	100136	cpm	-0.72
728339.2	3949682	30914	5/14/2015	100137	cpm	-2.46
728339.7	3949681	33228	5/14/2015	100138	cpm	-0.99
728340	3949680	31077	5/14/2015	100139	cpm	-2.35
728340.5	3949679	31949	5/14/2015	100140	cpm	-1.80
728340.9	3949679	29497	5/14/2015	100141	cpm	-3.35
728341.3	3949678	29094	5/14/2015	100142	cpm	-3.61
728341.7	3949677	31243	5/14/2015	100143	cpm	-2.25
728342.2	3949676	31751	5/14/2015	100144	cpm	-1.93
728342.6	3949676	32537	5/14/2015	100145	cpm	-1.43
728343.1	3949675	31084	5/14/2015	100146	cpm	-2.35
728343.7	3949674	31591	5/14/2015	100147	cpm	-2.03
728344.2	3949673	33367	5/14/2015	100148	cpm	-0.90
728344.6	3949672	32642	5/14/2015	100149	cpm	-1.36
728345.1	3949672	35010	5/14/2015	100150	cpm	0.14
728345.6	3949671	42592	5/14/2015	100151	cpm	4.94
728346.1	3949670	36568	5/14/2015	100152	cpm	1.12
728346.5	3949669	34702	5/14/2015	100153	cpm	-0.06
728346.9	3949668	31775	5/14/2015	100154	cpm	-1.91
728347.4	3949667	34643	5/14/2015	100155	cpm	-0.10
728347.9	3949667	32421	5/14/2015	100156	cpm	-1.50
728348.3	3949666	31835	5/14/2015	100157	cpm	-1.87
728348.8	3949665	29888	5/14/2015	100158	cpm	-3.11
728349.2	3949664	30662	5/14/2015	100159	cpm	-2.62
728349.6	3949663	29355	5/14/2015	100200	cpm	-3.44
728350	3949663	27994	5/14/2015	100201	cpm	-4.31
728350.9	3949661	30287	5/14/2015	100203	cpm	-2.85
728351.7	3949659	30168	5/14/2015	100205	cpm	-2.93
728352.3	3949658	29245	5/14/2015	100207	cpm	-3.51
728353.5	3949659	33110	5/14/2015	100209	cpm	-1.07
728354.3	3949659	32997	5/14/2015	100210	cpm	-1.14
728354.4	3949659	27539	5/14/2015	100211	cpm	-4.59
728354.4	3949659	26955	5/14/2015	100212	cpm	-4.96
728354.2	3949660	30438	5/14/2015	100213	cpm	-2.76
728353.7	3949660	28969	5/14/2015	100214	cpm	-3.69
728353.2	3949661	29412	5/14/2015	100215	cpm	-3.41
728352.8	3949662	31113	5/14/2015	100216	cpm	-2.33
728352.2	3949663	33308	5/14/2015	100217	cpm	-0.94
728351.6	3949664	29657	5/14/2015	100218	cpm	-3.25

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728351.2	3949665	31114	5/14/2015	100219	cpm	-2.33
728350.7	3949666	29288	5/14/2015	100220	cpm	-3.49
728350.3	3949667	31442	5/14/2015	100221	cpm	-2.12
728349.8	3949668	30150	5/14/2015	100222	cpm	-2.94
728349.3	3949669	32317	5/14/2015	100223	cpm	-1.57
728348.8	3949669	33039	5/14/2015	100224	cpm	-1.11
728348.4	3949670	29980	5/14/2015	100225	cpm	-3.05
728347.9	3949671	30805	5/14/2015	100226	cpm	-2.53
728347.3	3949672	33231	5/14/2015	100227	cpm	-0.99
728346.7	3949673	32187	5/14/2015	100228	cpm	-1.65
728346.2	3949674	31747	5/14/2015	100229	cpm	-1.93
728345.8	3949675	32866	5/14/2015	100230	cpm	-1.22
728345.3	3949676	32636	5/14/2015	100231	cpm	-1.37
728344.7	3949677	32129	5/14/2015	100232	cpm	-1.69
728344.2	3949678	33322	5/14/2015	100233	cpm	-0.93
728343.7	3949679	33620	5/14/2015	100234	cpm	-0.74
728343.3	3949680	33755	5/14/2015	100235	cpm	-0.66
728342.2	3949681	32018	5/14/2015	100237	cpm	-1.76
728341.8	3949682	31404	5/14/2015	100238	cpm	-2.15
728341.4	3949683	30201	5/14/2015	100239	cpm	-2.91
728340.9	3949684	29390	5/14/2015	100240	cpm	-3.42
728340.4	3949685	29007	5/14/2015	100241	cpm	-3.66
728340.1	3949686	31432	5/14/2015	100242	cpm	-2.13
728339.7	3949687	31198	5/14/2015	100243	cpm	-2.28
728339.2	3949688	31259	5/14/2015	100244	cpm	-2.24
728338.6	3949689	31875	5/14/2015	100245	cpm	-1.85
728338.2	3949690	31098	5/14/2015	100246	cpm	-2.34
728337.7	3949691	33184	5/14/2015	100247	cpm	-1.02
728337.3	3949692	35716	5/14/2015	100248	cpm	0.58
728336.8	3949693	32299	5/14/2015	100249	cpm	-1.58
728336.3	3949694	35884	5/14/2015	100250	cpm	0.69
728335.8	3949694	33571	5/14/2015	100251	cpm	-0.77
728335.4	3949695	34852	5/14/2015	100252	cpm	0.04
728334.8	3949696	31453	5/14/2015	100253	cpm	-2.12
728334.4	3949696	33153	5/14/2015	100254	cpm	-1.04
728334.3	3949697	31778	5/14/2015	100255	cpm	-1.91
728334.1	3949698	31224	5/14/2015	100256	cpm	-2.26
728333.8	3949699	29556	5/14/2015	100257	cpm	-3.32
728333.5	3949700	33879	5/14/2015	100258	cpm	-0.58
728333.1	3949701	31179	5/14/2015	100259	cpm	-2.29
728332.6	3949702	28909	5/14/2015	100300	cpm	-3.73
728332.2	3949702	28768	5/14/2015	100301	cpm	-3.82

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728331.8	3949703	31252	5/14/2015	100302	cpm	-2.24
728331.4	3949704	28423	5/14/2015	100303	cpm	-4.03
728330.9	3949705	31015	5/14/2015	100304	cpm	-2.39
728330.3	3949706	30224	5/14/2015	100305	cpm	-2.89
728329.8	3949707	31676	5/14/2015	100306	cpm	-1.97
728329.4	3949708	30689	5/14/2015	100307	cpm	-2.60
728328.9	3949708	33412	5/14/2015	100308	cpm	-0.88
728328.4	3949709	29563	5/14/2015	100309	cpm	-3.31
728328.5	3949710	29680	5/14/2015	100310	cpm	-3.24
728329	3949710	29440	5/14/2015	100311	cpm	-3.39
728329.3	3949711	32200	5/14/2015	100312	cpm	-1.64
728329.7	3949711	30130	5/14/2015	100313	cpm	-2.95
728329.6	3949711	32552	5/14/2015	100314	cpm	-1.42
728329.6	3949711	32304	5/14/2015	100315	cpm	-1.58
728329.9	3949711	33316	5/14/2015	100317	cpm	-0.94
728330.3	3949709	31242	5/14/2015	100319	cpm	-2.25
728331	3949707	34600	5/14/2015	100321	cpm	-0.12
728331.9	3949705	34015	5/14/2015	100323	cpm	-0.49
728333.2	3949703	35703	5/14/2015	100325	cpm	0.58
728333.7	3949703	31755	5/14/2015	100326	cpm	-1.92
728333.9	3949702	34158	5/14/2015	100327	cpm	-0.40
728334.3	3949701	33649	5/14/2015	100328	cpm	-0.73
728334.5	3949701	32742	5/14/2015	100329	cpm	-1.30
728334.8	3949700	33715	5/14/2015	100330	cpm	-0.68
728335.1	3949699	34499	5/14/2015	100331	cpm	-0.19
728335.3	3949698	31574	5/14/2015	100332	cpm	-2.04
728335.6	3949698	30303	5/14/2015	100333	cpm	-2.84
728336.1	3949697	32265	5/14/2015	100334	cpm	-1.60
728336.6	3949696	30146	5/14/2015	100335	cpm	-2.94
728337	3949695	30096	5/14/2015	100336	cpm	-2.98
728337.4	3949694	33594	5/14/2015	100337	cpm	-0.76
728337.9	3949693	34138	5/14/2015	100338	cpm	-0.42
728338.3	3949692	31844	5/14/2015	100339	cpm	-1.87
728338.7	3949691	33431	5/14/2015	100340	cpm	-0.86
728339.1	3949690	31037	5/14/2015	100341	cpm	-2.38
728339.6	3949690	31969	5/14/2015	100342	cpm	-1.79
728340.2	3949689	32802	5/14/2015	100343	cpm	-1.26
728340.7	3949688	40180	5/14/2015	100344	cpm	3.41
728341.3	3949687	37105	5/14/2015	100345	cpm	1.46
728341.8	3949686	34566	5/14/2015	100346	cpm	-0.14
728342.2	3949685	36961	5/14/2015	100347	cpm	1.37
728343	3949684	32790	5/14/2015	100349	cpm	-1.27

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728343.7	3949682	31622	5/14/2015	100351	cpm	-2.01
728344	3949681	30873	5/14/2015	100352	cpm	-2.48
728344.6	3949680	31988	5/14/2015	100354	cpm	-1.78
728345	3949679	31937	5/14/2015	100355	cpm	-1.81
728345.3	3949678	30304	5/14/2015	100356	cpm	-2.84
728345.8	3949677	39046	5/14/2015	100357	cpm	2.69
728346.3	3949676	33221	5/14/2015	100358	cpm	-1.00
728346.8	3949676	33805	5/14/2015	100359	cpm	-0.63
728347.2	3949675	32931	5/14/2015	100400	cpm	-1.18
728347.6	3949674	32172	5/14/2015	100401	cpm	-1.66
728348.1	3949673	32253	5/14/2015	100402	cpm	-1.61
728348.6	3949672	32573	5/14/2015	100403	cpm	-1.41
728349	3949671	33823	5/14/2015	100404	cpm	-0.61
728349.6	3949670	31316	5/14/2015	100405	cpm	-2.20
728350.2	3949670	30299	5/14/2015	100406	cpm	-2.85
728350.8	3949669	34214	5/14/2015	100407	cpm	-0.37
728351.2	3949668	33483	5/14/2015	100408	cpm	-0.83
728351.7	3949667	36090	5/14/2015	100409	cpm	0.82
728352.2	3949666	30382	5/14/2015	100410	cpm	-2.79
728352.8	3949665	31985	5/14/2015	100411	cpm	-1.78
728353.2	3949664	30016	5/14/2015	100412	cpm	-3.03
728353.7	3949663	31054	5/14/2015	100413	cpm	-2.37
728354.3	3949662	30923	5/14/2015	100414	cpm	-2.45
728354.7	3949661	31551	5/14/2015	100415	cpm	-2.05
728355.1	3949660	29997	5/14/2015	100416	cpm	-3.04
728355.6	3949659	30179	5/14/2015	100417	cpm	-2.92
728356.2	3949659	29205	5/14/2015	100418	cpm	-3.54
728356.7	3949658	28991	5/14/2015	100419	cpm	-3.67
728357.3	3949659	30077	5/14/2015	100420	cpm	-2.99
728358	3949659	33522	5/14/2015	100421	cpm	-0.81
728359.3	3949660	30910	5/14/2015	100423	cpm	-2.46
728358.8	3949661	28421	5/14/2015	100425	cpm	-4.04
728357.8	3949663	31836	5/14/2015	100427	cpm	-1.87
728356.8	3949665	28457	5/14/2015	100429	cpm	-4.01
728356	3949667	34853	5/14/2015	100431	cpm	0.04
728355.4	3949667	33943	5/14/2015	100432	cpm	-0.54
728354.9	3949668	32156	5/14/2015	100433	cpm	-1.67
728354.4	3949669	35189	5/14/2015	100434	cpm	0.25
728354.1	3949670	31447	5/14/2015	100435	cpm	-2.12
728353.7	3949671	32041	5/14/2015	100436	cpm	-1.74
728353.3	3949672	30180	5/14/2015	100437	cpm	-2.92
728352.7	3949672	30945	5/14/2015	100438	cpm	-2.44

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728352.3	3949673	32306	5/14/2015	100439	cpm	-1.58
728351.9	3949674	30936	5/14/2015	100440	cpm	-2.44
728351.4	3949675	36024	5/14/2015	100441	cpm	0.78
728351	3949676	31326	5/14/2015	100442	cpm	-2.20
728350.6	3949676	32041	5/14/2015	100443	cpm	-1.74
728350.1	3949677	34260	5/14/2015	100444	cpm	-0.34
728349.6	3949678	35895	5/14/2015	100445	cpm	0.70
728349.2	3949678	33633	5/14/2015	100446	cpm	-0.74
728348.7	3949679	35228	5/14/2015	100447	cpm	0.27
728348.2	3949680	31037	5/14/2015	100448	cpm	-2.38
728347.9	3949681	33079	5/14/2015	100449	cpm	-1.09
728347.6	3949682	31849	5/14/2015	100450	cpm	-1.86
728346.7	3949684	33702	5/14/2015	100452	cpm	-0.69
728346.2	3949685	33186	5/14/2015	100454	cpm	-1.02
728346.2	3949686	34096	5/14/2015	100455	cpm	-0.44
728345.7	3949688	34088	5/14/2015	100457	cpm	-0.45
728345.2	3949688	34622	5/14/2015	100458	cpm	-0.11
728344.7	3949688	32265	5/14/2015	100459	cpm	-1.60
728344.4	3949689	34766	5/14/2015	100500	cpm	-0.02
728344.1	3949690	31881	5/14/2015	100501	cpm	-1.84
728343.6	3949691	34070	5/14/2015	100502	cpm	-0.46
728343.3	3949692	32817	5/14/2015	100503	cpm	-1.25
728343	3949693	34544	5/14/2015	100504	cpm	-0.16
728342.6	3949693	31616	5/14/2015	100505	cpm	-2.01
728342.2	3949694	30974	5/14/2015	100506	cpm	-2.42
728342	3949695	33843	5/14/2015	100507	cpm	-0.60
728341.5	3949696	31740	5/14/2015	100508	cpm	-1.93
728340.9	3949696	32865	5/14/2015	100509	cpm	-1.22
728340.6	3949697	31526	5/14/2015	100510	cpm	-2.07
728340.3	3949698	33771	5/14/2015	100511	cpm	-0.65
728339.8	3949699	30433	5/14/2015	100512	cpm	-2.76
728339.4	3949700	30438	5/14/2015	100513	cpm	-2.76
728339.1	3949700	33199	5/14/2015	100514	cpm	-1.01
728338.8	3949701	30079	5/14/2015	100515	cpm	-2.99
728338.4	3949702	31670	5/14/2015	100516	cpm	-1.98
728338.1	3949703	31767	5/14/2015	100517	cpm	-1.92
728337.9	3949704	37132	5/14/2015	100518	cpm	1.48
728337.6	3949705	36073	5/14/2015	100519	cpm	0.81
728337.1	3949706	34428	5/14/2015	100520	cpm	-0.23
728336.7	3949706	35277	5/14/2015	100521	cpm	0.31
728336.4	3949707	32309	5/14/2015	100522	cpm	-1.57
728335.9	3949708	29497	5/14/2015	100523	cpm	-3.35

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728334.9	3949709	30965	5/14/2015	100525	cpm	-2.42
728333.8	3949711	30262	5/14/2015	100527	cpm	-2.87
728332.7	3949712	30451	5/14/2015	100529	cpm	-2.75
728332.3	3949712	33373	5/14/2015	100531	cpm	-0.90
728332.7	3949713	31113	5/14/2015	100532	cpm	-2.33
728333.1	3949713	33068	5/14/2015	100533	cpm	-1.09
728333.6	3949714	33587	5/14/2015	100534	cpm	-0.76
728333.7	3949714	34706	5/14/2015	100535	cpm	-0.06
728333.8	3949714	31536	5/14/2015	100536	cpm	-2.06
728333.9	3949713	30834	5/14/2015	100537	cpm	-2.51
728334.2	3949713	32098	5/14/2015	100538	cpm	-1.71
728334.4	3949712	31244	5/14/2015	100539	cpm	-2.25
728334.8	3949711	30341	5/14/2015	100540	cpm	-2.82
728334.9	3949710	34885	5/14/2015	100541	cpm	0.06
728335.4	3949709	36051	5/14/2015	100542	cpm	0.80
728335.8	3949709	32682	5/14/2015	100543	cpm	-1.34
728336.1	3949708	33460	5/14/2015	100544	cpm	-0.84
728336.4	3949707	32215	5/14/2015	100545	cpm	-1.63
728336.7	3949706	31033	5/14/2015	100546	cpm	-2.38
728337.2	3949705	37488	5/14/2015	100547	cpm	1.71
728337.6	3949705	36222	5/14/2015	100548	cpm	0.90
728338	3949704	34225	5/14/2015	100549	cpm	-0.36
728338.4	3949703	34206	5/14/2015	100550	cpm	-0.37
728338.6	3949703	31591	5/14/2015	100552	cpm	-2.03
728338.7	3949703	32102	5/14/2015	100553	cpm	-1.70
728339	3949703	32115	5/14/2015	100555	cpm	-1.70
728339.3	3949703	32058	5/14/2015	100556	cpm	-1.73
728339.8	3949703	33364	5/14/2015	100557	cpm	-0.91
728340.3	3949703	31351	5/14/2015	100558	cpm	-2.18
728340.6	3949704	35107	5/14/2015	100559	cpm	0.20
728340.9	3949703	34127	5/14/2015	100600	cpm	-0.42
728341.3	3949703	33071	5/14/2015	100601	cpm	-1.09
728341.7	3949702	32148	5/14/2015	100602	cpm	-1.68
728342	3949701	34977	5/14/2015	100603	cpm	0.12
728342.3	3949700	32654	5/14/2015	100604	cpm	-1.36
728342.6	3949699	29433	5/14/2015	100605	cpm	-3.39
728342.9	3949698	29378	5/14/2015	100606	cpm	-3.43
728343.1	3949697	31434	5/14/2015	100607	cpm	-2.13
728343.3	3949696	32968	5/14/2015	100608	cpm	-1.16
728343.7	3949696	31672	5/14/2015	100609	cpm	-1.98
728343.9	3949695	30568	5/14/2015	100610	cpm	-2.68
728344.2	3949694	33592	5/14/2015	100611	cpm	-0.76

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728344.6	3949693	32668	5/14/2015	100612	cpm	-1.35
728344.9	3949692	31237	5/14/2015	100613	cpm	-2.25
728345.2	3949691	31959	5/14/2015	100614	cpm	-1.80
728345.5	3949690	31615	5/14/2015	100615	cpm	-2.01
728346.1	3949688	34031	5/14/2015	100617	cpm	-0.48
728346.8	3949686	33079	5/14/2015	100619	cpm	-1.09
728347.3	3949684	32645	5/14/2015	100621	cpm	-1.36
728347.6	3949683	34801	5/14/2015	100622	cpm	0.00
728347.9	3949682	31410	5/14/2015	100623	cpm	-2.14
728348.1	3949681	31852	5/14/2015	100624	cpm	-1.86
728348.4	3949681	32353	5/14/2015	100625	cpm	-1.55
728348.8	3949680	30558	5/14/2015	100626	cpm	-2.68
728349.2	3949679	32269	5/14/2015	100627	cpm	-1.60
728349.6	3949678	32667	5/14/2015	100628	cpm	-1.35
728350	3949677	34327	5/14/2015	100629	cpm	-0.30
728350.5	3949676	35521	5/14/2015	100630	cpm	0.46
728351.1	3949676	34350	5/14/2015	100631	cpm	-0.28
728351.6	3949675	32467	5/14/2015	100632	cpm	-1.47
728352	3949674	29837	5/14/2015	100633	cpm	-3.14
728352.5	3949673	29599	5/14/2015	100634	cpm	-3.29
728353.5	3949671	33499	5/14/2015	100636	cpm	-0.82
728353.8	3949670	32585	5/14/2015	100637	cpm	-1.40
728354.3	3949670	32266	5/14/2015	100638	cpm	-1.60
728354.8	3949669	31826	5/14/2015	100639	cpm	-1.88
728355.2	3949668	33336	5/14/2015	100640	cpm	-0.92
728355.7	3949667	32694	5/14/2015	100641	cpm	-1.33
728356.3	3949667	29833	5/14/2015	100642	cpm	-3.14
728356.9	3949666	30108	5/14/2015	100643	cpm	-2.97
728357.4	3949665	29217	5/14/2015	100644	cpm	-3.53
728358.2	3949665	28154	5/14/2015	100645	cpm	-4.20
728358.8	3949664	29598	5/14/2015	100646	cpm	-3.29
728359.3	3949663	30589	5/14/2015	100647	cpm	-2.66
728359.9	3949662	29967	5/14/2015	100648	cpm	-3.06
728360.5	3949662	30022	5/14/2015	100649	cpm	-3.02
728361	3949661	30095	5/14/2015	100650	cpm	-2.98
728361.5	3949660	31373	5/14/2015	100651	cpm	-2.17
728361.8	3949660	28723	5/14/2015	100652	cpm	-3.84
728362.5	3949660	30422	5/14/2015	100653	cpm	-2.77
728363.4	3949661	27153	5/14/2015	100655	cpm	-4.84
728363.9	3949661	34367	5/14/2015	100657	cpm	-0.27
728363.7	3949661	30491	5/14/2015	100658	cpm	-2.72
728363.4	3949662	26133	5/14/2015	100659	cpm	-5.48

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728363	3949663	29123	5/14/2015	100700	cpm	-3.59
728362.6	3949664	26960	5/14/2015	100701	cpm	-4.96
728362.2	3949665	27980	5/14/2015	100702	cpm	-4.32
728361.7	3949666	27515	5/14/2015	100703	cpm	-4.61
728361.2	3949667	27578	5/14/2015	100704	cpm	-4.57
728360.7	3949667	33804	5/14/2015	100705	cpm	-0.63
728360.3	3949668	29241	5/14/2015	100706	cpm	-3.52
728359.8	3949669	27890	5/14/2015	100707	cpm	-4.37
728359.2	3949670	29292	5/14/2015	100708	cpm	-3.48
728358.7	3949671	32343	5/14/2015	100709	cpm	-1.55
728358.1	3949672	31275	5/14/2015	100710	cpm	-2.23
728357.7	3949673	31578	5/14/2015	100711	cpm	-2.04
728356.7	3949675	32464	5/14/2015	100713	cpm	-1.48
728355.8	3949677	34354	5/14/2015	100715	cpm	-0.28
728355.4	3949677	30458	5/14/2015	100716	cpm	-2.75
728355	3949678	28194	5/14/2015	100717	cpm	-4.18
728354.5	3949679	33418	5/14/2015	100718	cpm	-0.87
728353.9	3949680	35234	5/14/2015	100719	cpm	0.28
728353.4	3949681	31968	5/14/2015	100720	cpm	-1.79
728352.9	3949681	30792	5/14/2015	100721	cpm	-2.53
728352.5	3949682	32418	5/14/2015	100722	cpm	-1.50
728352	3949683	30364	5/14/2015	100723	cpm	-2.81
728351.5	3949684	34441	5/14/2015	100724	cpm	-0.22
728351.1	3949685	33930	5/14/2015	100725	cpm	-0.55
728350.6	3949686	35812	5/14/2015	100726	cpm	0.64
728350.1	3949686	32983	5/14/2015	100727	cpm	-1.15
728349.7	3949687	35516	5/14/2015	100728	cpm	0.46
728349.3	3949688	32339	5/14/2015	100729	cpm	-1.55
728348.8	3949689	32684	5/14/2015	100730	cpm	-1.34
728348.3	3949690	33925	5/14/2015	100731	cpm	-0.55
728347.4	3949691	33912	5/14/2015	100733	cpm	-0.56
728346.4	3949693	34602	5/14/2015	100735	cpm	-0.12
728346.1	3949694	32800	5/14/2015	100736	cpm	-1.26
728345.6	3949695	32020	5/14/2015	100737	cpm	-1.76
728345.2	3949696	33115	5/14/2015	100738	cpm	-1.06
728344.9	3949697	30838	5/14/2015	100739	cpm	-2.51
728344.4	3949697	30539	5/14/2015	100740	cpm	-2.69
728343.9	3949698	30435	5/14/2015	100741	cpm	-2.76
728343.4	3949699	32118	5/14/2015	100742	cpm	-1.69
728343.2	3949700	29479	5/14/2015	100743	cpm	-3.37
728342.8	3949701	32329	5/14/2015	100744	cpm	-1.56
728342.3	3949702	34842	5/14/2015	100745	cpm	0.03



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728341.9	3949703	36490	5/14/2015	100746	cpm	1.07
728341.4	3949704	37742	5/14/2015	100747	cpm	1.87
728340.9	3949705	34815	5/14/2015	100748	cpm	0.01
728340.4	3949706	31743	5/14/2015	100749	cpm	-1.93
728339.9	3949707	31756	5/14/2015	100750	cpm	-1.92
728338.9	3949709	34189	5/14/2015	100752	cpm	-0.38
728338.4	3949710	37917	5/14/2015	100753	cpm	1.98
728338	3949711	35519	5/14/2015	100754	cpm	0.46
728338	3949711	34320	5/14/2015	100755	cpm	-0.30
728338.2	3949711	33300	5/14/2015	100756	cpm	-0.95
728338.5	3949710	32205	5/14/2015	100757	cpm	-1.64
728338.8	3949710	34631	5/14/2015	100758	cpm	-0.10
728338.8	3949709	33617	5/14/2015	100759	cpm	-0.75
728338.5	3949710	33934	5/14/2015	100800	cpm	-0.54
728338.5	3949709	35183	5/14/2015	100801	cpm	0.25
728338.3	3949709	35256	5/14/2015	100802	cpm	0.29
728338.5	3949710	33744	5/14/2015	100803	cpm	-0.66
728338.3	3949710	31776	5/14/2015	100804	cpm	-1.91
728337.9	3949711	33564	5/14/2015	100805	cpm	-0.78
728337.6	3949712	36291	5/14/2015	100806	cpm	0.95
728337.2	3949713	33312	5/14/2015	100807	cpm	-0.94
728336.8	3949714	32478	5/14/2015	100808	cpm	-1.47
728336.7	3949714	31722	5/14/2015	100809	cpm	-1.95
728337.3	3949713	31675	5/14/2015	100811	cpm	-1.98
728337.2	3949712	34649	5/14/2015	100813	cpm	-0.09
728337.2	3949713	32503	5/14/2015	100815	cpm	-1.45
728336.7	3949714	30895	5/14/2015	100816	cpm	-2.47
728336.3	3949714	34124	5/14/2015	100817	cpm	-0.42
728336.2	3949715	31331	5/14/2015	100818	cpm	-2.19
728336.7	3949715	30572	5/14/2015	100819	cpm	-2.67
728337.5	3949715	30173	5/14/2015	100820	cpm	-2.93
728337.9	3949716	32083	5/14/2015	100821	cpm	-1.72
728338.4	3949716	32021	5/14/2015	100822	cpm	-1.76
728338.4	3949716	30145	5/14/2015	100823	cpm	-2.94
728338.5	3949716	34026	5/14/2015	100824	cpm	-0.49
728338.6	3949716	30766	5/14/2015	100825	cpm	-2.55
728338.8	3949715	31481	5/14/2015	100826	cpm	-2.10
728339.1	3949714	33040	5/14/2015	100827	cpm	-1.11
728339.7	3949713	35710	5/14/2015	100829	cpm	0.58
728340	3949712	36587	5/14/2015	100830	cpm	1.14
728340.5	3949711	34196	5/14/2015	100831	cpm	-0.38
728340.9	3949710	33899	5/14/2015	100832	cpm	-0.57

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728341.3	3949709	38265	5/14/2015	100833	cpm	2.20
728341.8	3949708	36416	5/14/2015	100834	cpm	1.03
728342.2	3949707	38144	5/14/2015	100835	cpm	2.12
728342.7	3949706	35752	5/14/2015	100836	cpm	0.61
728343.3	3949705	31349	5/14/2015	100837	cpm	-2.18
728343.7	3949704	34207	5/14/2015	100838	cpm	-0.37
728344.2	3949703	34741	5/14/2015	100839	cpm	-0.03
728344.6	3949702	35565	5/14/2015	100840	cpm	0.49
728344.9	3949701	32951	5/14/2015	100841	cpm	-1.17
728345.1	3949700	35118	5/14/2015	100842	cpm	0.21
728345.5	3949699	32329	5/14/2015	100843	cpm	-1.56
728345.9	3949699	30372	5/14/2015	100844	cpm	-2.80
728346.4	3949698	34353	5/14/2015	100845	cpm	-0.28
728346.9	3949697	33548	5/14/2015	100846	cpm	-0.79
728347.3	3949696	32359	5/14/2015	100847	cpm	-1.54
728348.1	3949693	31795	5/14/2015	100849	cpm	-1.90
728348.7	3949692	33509	5/14/2015	100850	cpm	-0.81
728349.2	3949691	32317	5/14/2015	100851	cpm	-1.57
728349.8	3949690	32649	5/14/2015	100852	cpm	-1.36
728350.4	3949689	35762	5/14/2015	100853	cpm	0.61
728350.8	3949688	34680	5/14/2015	100854	cpm	-0.07
728351.3	3949687	31650	5/14/2015	100855	cpm	-1.99
728351.9	3949686	37102	5/14/2015	100856	cpm	1.46
728352.4	3949685	38615	5/14/2015	100857	cpm	2.42
728352.9	3949684	37734	5/14/2015	100858	cpm	1.86
728353.3	3949683	37363	5/14/2015	100859	cpm	1.63
728353.9	3949682	33701	5/14/2015	100900	cpm	-0.69
728354.5	3949681	34135	5/14/2015	100901	cpm	-0.42
728355.1	3949680	29473	5/14/2015	100902	cpm	-3.37
728356	3949678	30888	5/14/2015	100904	cpm	-2.47
728356.4	3949677	29322	5/14/2015	100905	cpm	-3.47
728356.8	3949676	31210	5/14/2015	100906	cpm	-2.27
728357.2	3949675	32162	5/14/2015	100907	cpm	-1.67
728357.5	3949674	31110	5/14/2015	100908	cpm	-2.33
728357.7	3949672	28297	5/14/2015	100909	cpm	-4.11
728358.2	3949671	31434	5/14/2015	100910	cpm	-2.13
728358.7	3949670	33478	5/14/2015	100911	cpm	-0.83
728359.2	3949669	32069	5/14/2015	100912	cpm	-1.73
728359.7	3949668	31117	5/14/2015	100913	cpm	-2.33
728360.2	3949667	29649	5/14/2015	100914	cpm	-3.26
728360.8	3949666	27572	5/14/2015	100915	cpm	-4.57
728361.3	3949665	34643	5/14/2015	100916	cpm	-0.10

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728361.8	3949664	31610	5/14/2015	100917	cpm	-2.02
728362.3	3949664	27222	5/14/2015	100918	cpm	-4.80
728363	3949663	29635	5/14/2015	100919	cpm	-3.27
728363.4	3949662	31199	5/14/2015	100920	cpm	-2.28
728364.1	3949662	32205	5/14/2015	100921	cpm	-1.64
728366.1	3949662	28270	5/14/2015	100923	cpm	-4.13
728367.3	3949663	29426	5/14/2015	100925	cpm	-3.40
728367.2	3949663	31656	5/14/2015	100926	cpm	-1.99
728366.8	3949664	30264	5/14/2015	100927	cpm	-2.87
728366.3	3949665	28596	5/14/2015	100928	cpm	-3.93
728365.8	3949665	28389	5/14/2015	100929	cpm	-4.06
728365.3	3949666	31037	5/14/2015	100930	cpm	-2.38
728364.8	3949667	29179	5/14/2015	100931	cpm	-3.56
728364.3	3949668	27994	5/14/2015	100932	cpm	-4.31
728364	3949669	28388	5/14/2015	100933	cpm	-4.06
728363.5	3949670	30647	5/14/2015	100934	cpm	-2.63
728363	3949671	30011	5/14/2015	100935	cpm	-3.03
728362.5	3949672	30903	5/14/2015	100936	cpm	-2.46
728362	3949673	30705	5/14/2015	100937	cpm	-2.59
728361.6	3949674	31466	5/14/2015	100938	cpm	-2.11
728360.7	3949676	33216	5/14/2015	100940	cpm	-1.00
728360.2	3949677	32424	5/14/2015	100941	cpm	-1.50
728359.7	3949678	31896	5/14/2015	100942	cpm	-1.84
728359.4	3949679	29694	5/14/2015	100943	cpm	-3.23
728359	3949680	31213	5/14/2015	100944	cpm	-2.27
728358.5	3949681	33573	5/14/2015	100945	cpm	-0.77
728358	3949682	36383	5/14/2015	100946	cpm	1.01
728357.5	3949683	36485	5/14/2015	100947	cpm	1.07
728357.2	3949683	35431	5/14/2015	100948	cpm	0.40
728356.8	3949684	42337	5/14/2015	100949	cpm	4.78
728356.5	3949685	39264	5/14/2015	100950	cpm	2.83
728356.4	3949685	34686	5/14/2015	100951	cpm	-0.07
728356.1	3949686	35791	5/14/2015	100952	cpm	0.63
728356	3949686	35707	5/14/2015	100953	cpm	0.58
728355.8	3949687	35897	5/14/2015	100954	cpm	0.70
728355.5	3949688	36064	5/14/2015	100955	cpm	0.80
728355.2	3949689	34396	5/14/2015	100956	cpm	-0.25
728354.9	3949689	33192	5/14/2015	100957	cpm	-1.01
728354.2	3949691	33859	5/14/2015	100959	cpm	-0.59
728353.6	3949693	34163	5/14/2015	101001	cpm	-0.40
728353.2	3949693	31431	5/14/2015	101002	cpm	-2.13
728352.8	3949694	32907	5/14/2015	101003	cpm	-1.19

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728352.3	3949695	32197	5/14/2015	101004	cpm	-1.64
728351.9	3949696	34809	5/14/2015	101005	cpm	0.01
728351.5	3949697	33482	5/14/2015	101006	cpm	-0.83
728350.9	3949698	34680	5/14/2015	101007	cpm	-0.07
728350.5	3949699	38040	5/14/2015	101008	cpm	2.06
728350.2	3949700	33240	5/14/2015	101009	cpm	-0.98
728349.9	3949701	32370	5/14/2015	101010	cpm	-1.54
728349.6	3949702	34132	5/14/2015	101011	cpm	-0.42
728349.2	3949703	34783	5/14/2015	101012	cpm	-0.01
728348.8	3949704	31976	5/14/2015	101013	cpm	-1.78
728348.3	3949705	33164	5/14/2015	101014	cpm	-1.03
728347.5	3949707	35591	5/14/2015	101016	cpm	0.50
728347	3949708	38327	5/14/2015	101017	cpm	2.24
728346.5	3949709	34661	5/14/2015	101018	cpm	-0.08
728346	3949710	32725	5/14/2015	101019	cpm	-1.31
728345.5	3949711	34641	5/14/2015	101020	cpm	-0.10
728345.1	3949712	34910	5/14/2015	101021	cpm	0.07
728344.7	3949713	32847	5/14/2015	101022	cpm	-1.23
728344.2	3949714	31012	5/14/2015	101023	cpm	-2.40
728343.7	3949714	31753	5/14/2015	101024	cpm	-1.93
728343.4	3949715	27678	5/14/2015	101025	cpm	-4.51
728343.1	3949716	26809	5/14/2015	101026	cpm	-5.06
728342.8	3949717	27252	5/14/2015	101027	cpm	-4.78
728343	3949718	28173	5/14/2015	101028	cpm	-4.19
728343.7	3949718	29513	5/14/2015	101029	cpm	-3.34
728344.5	3949718	31138	5/14/2015	101030	cpm	-2.32
728345	3949718	32024	5/14/2015	101031	cpm	-1.75
728345.1	3949718	29066	5/14/2015	101032	cpm	-3.63
728345.4	3949718	30916	5/14/2015	101033	cpm	-2.46
728346.1	3949716	34257	5/14/2015	101035	cpm	-0.34
728346.9	3949714	35141	5/14/2015	101037	cpm	0.22
728347.3	3949713	33925	5/14/2015	101038	cpm	-0.55
728347.7	3949712	32361	5/14/2015	101039	cpm	-1.54
728348	3949711	32960	5/14/2015	101040	cpm	-1.16
728348.4	3949710	32390	5/14/2015	101041	cpm	-1.52
728348.7	3949709	33387	5/14/2015	101042	cpm	-0.89
728349.1	3949708	33247	5/14/2015	101043	cpm	-0.98
728349.4	3949707	35401	5/14/2015	101044	cpm	0.38
728349.9	3949706	32880	5/14/2015	101045	cpm	-1.21
728350	3949705	33210	5/14/2015	101046	cpm	-1.00
728350.3	3949704	31582	5/14/2015	101047	cpm	-2.03
728350.9	3949703	32765	5/14/2015	101048	cpm	-1.28

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728351.9	3949701	35221	5/14/2015	101050	cpm	0.27
728352.6	3949699	35471	5/14/2015	101052	cpm	0.43
728353.2	3949698	32748	5/14/2015	101053	cpm	-1.30
728353.7	3949697	32487	5/14/2015	101054	cpm	-1.46
728354.2	3949696	35031	5/14/2015	101055	cpm	0.15
728354.6	3949695	33208	5/14/2015	101056	cpm	-1.00
728355	3949694	32782	5/14/2015	101057	cpm	-1.27
728355.4	3949693	37235	5/14/2015	101058	cpm	1.55
728355.7	3949692	34088	5/14/2015	101059	cpm	-0.45
728356.2	3949691	35492	5/14/2015	101100	cpm	0.44
728356.7	3949690	35873	5/14/2015	101101	cpm	0.68
728357.2	3949689	36688	5/14/2015	101102	cpm	1.20
728357.6	3949688	41512	5/14/2015	101103	cpm	4.25
728358	3949687	42448	5/14/2015	101104	cpm	4.85
728358.4	3949686	47930	5/14/2015	101105	cpm	8.32
728359.2	3949684	55563	5/14/2015	101107	cpm	13.15
728359.7	3949683	52800	5/14/2015	101108	cpm	11.40
728360.1	3949682	43440	5/14/2015	101109	cpm	5.48
728360.6	3949681	37830	5/14/2015	101110	cpm	1.92
728361	3949680	36517	5/14/2015	101111	cpm	1.09
728361.5	3949679	34659	5/14/2015	101112	cpm	-0.09
728362	3949678	33445	5/14/2015	101113	cpm	-0.85
728362.5	3949677	33561	5/14/2015	101114	cpm	-0.78
728363.1	3949676	34010	5/14/2015	101115	cpm	-0.50
728363.5	3949675	34392	5/14/2015	101116	cpm	-0.25
728364	3949674	30828	5/14/2015	101117	cpm	-2.51
728364.4	3949673	27837	5/14/2015	101118	cpm	-4.41
728365.4	3949671	28769	5/14/2015	101120	cpm	-3.82
728365.8	3949670	28312	5/14/2015	101121	cpm	-4.10
728366.3	3949669	31438	5/14/2015	101122	cpm	-2.13
728366.8	3949668	29489	5/14/2015	101123	cpm	-3.36
728367.4	3949667	31462	5/14/2015	101124	cpm	-2.11
728368	3949666	29555	5/14/2015	101125	cpm	-3.32
728368.5	3949665	31388	5/14/2015	101126	cpm	-2.16
728369.4	3949665	31727	5/14/2015	101127	cpm	-1.94
728370.4	3949665	29261	5/14/2015	101128	cpm	-3.50
728371.3	3949666	30175	5/14/2015	101129	cpm	-2.93
728372	3949666	28634	5/14/2015	101130	cpm	-3.90
728372.1	3949667	32598	5/14/2015	101131	cpm	-1.39
728371.6	3949668	30979	5/14/2015	101132	cpm	-2.42
728371	3949669	28294	5/14/2015	101133	cpm	-4.12
728370.4	3949669	30773	5/14/2015	101134	cpm	-2.55

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728369.8	3949670	34556	5/14/2015	101135	cpm	-0.15
728368.6	3949672	34169	5/14/2015	101137	cpm	-0.40
728368	3949673	33082	5/14/2015	101138	cpm	-1.08
728367.5	3949674	33950	5/14/2015	101139	cpm	-0.53
728367.1	3949675	34827	5/14/2015	101140	cpm	0.02
728366.7	3949676	32467	5/14/2015	101141	cpm	-1.47
728366.1	3949676	33706	5/14/2015	101142	cpm	-0.69
728365.7	3949677	33596	5/14/2015	101143	cpm	-0.76
728365.3	3949678	36599	5/14/2015	101144	cpm	1.14
728364.9	3949679	34500	5/14/2015	101145	cpm	-0.19
728364.5	3949680	40875	5/14/2015	101146	cpm	3.85
728363.7	3949682	48138	5/14/2015	101148	cpm	8.45
728363.4	3949683	56944	5/14/2015	101149	cpm	14.03
728363.2	3949684	56626	5/14/2015	101150	cpm	13.83
728362.9	3949685	62576	5/14/2015	101151	cpm	17.59
728362.5	3949686	89384	5/14/2015	101152	cpm	34.57
728362.1	3949686	87176	5/14/2015	101153	cpm	33.17
728361.7	3949687	90884	5/14/2015	101154	cpm	35.52
728361.3	3949688	85391	5/14/2015	101155	cpm	32.04
728360.9	3949689	73967	5/14/2015	101156	cpm	24.81
728360.5	3949690	70301	5/14/2015	101157	cpm	22.49
728360	3949691	58645	5/14/2015	101158	cpm	15.10
728359.6	3949692	49011	5/14/2015	101159	cpm	9.00
728359.3	3949693	43962	5/14/2015	101200	cpm	5.81
728358.8	3949694	37075	5/14/2015	101201	cpm	1.44
728358.4	3949695	35518	5/14/2015	101202	cpm	0.46
728357.9	3949696	32789	5/14/2015	101203	cpm	-1.27
728357.3	3949697	32767	5/14/2015	101204	cpm	-1.28
728356.9	3949698	33211	5/14/2015	101205	cpm	-1.00
728356.4	3949699	37372	5/14/2015	101206	cpm	1.63
728356	3949700	33883	5/14/2015	101207	cpm	-0.58
728355.6	3949701	35171	5/14/2015	101208	cpm	0.24
728355.1	3949702	34592	5/14/2015	101209	cpm	-0.13
728354.6	3949703	34478	5/14/2015	101210	cpm	-0.20
728353.9	3949705	36579	5/14/2015	101212	cpm	1.13
728353.6	3949706	34975	5/14/2015	101213	cpm	0.11
728353.2	3949707	29053	5/14/2015	101214	cpm	-3.64
728352.7	3949708	35643	5/14/2015	101215	cpm	0.54
728352.3	3949709	32160	5/14/2015	101216	cpm	-1.67
728351.9	3949710	31770	5/14/2015	101217	cpm	-1.92
728351.6	3949711	35932	5/14/2015	101218	cpm	0.72
728351.2	3949712	34453	5/14/2015	101219	cpm	-0.22

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728350.8	3949713	31023	5/14/2015	101220	cpm	-2.39
728350.3	3949714	29805	5/14/2015	101221	cpm	-3.16
728349.9	3949715	31061	5/14/2015	101222	cpm	-2.36
728349.5	3949716	37379	5/14/2015	101223	cpm	1.64
728348.7	3949718	35043	5/14/2015	101225	cpm	0.16
728348.4	3949719	31170	5/14/2015	101226	cpm	-2.29
728348.5	3949720	31612	5/14/2015	101227	cpm	-2.02
728348.6	3949720	31003	5/14/2015	101228	cpm	-2.40
728348.3	3949721	30281	5/14/2015	101229	cpm	-2.86
728348.2	3949721	36100	5/14/2015	101230	cpm	0.83
728348.6	3949722	31075	5/14/2015	101231	cpm	-2.36
728349.3	3949722	30088	5/14/2015	101232	cpm	-2.98
728350	3949722	32332	5/14/2015	101233	cpm	-1.56
728350.4	3949721	33673	5/14/2015	101234	cpm	-0.71
728350.7	3949720	31908	5/14/2015	101235	cpm	-1.83
728351.1	3949718	31497	5/14/2015	101237	cpm	-2.09
728351.6	3949717	33764	5/14/2015	101238	cpm	-0.65
728352.1	3949716	31301	5/14/2015	101239	cpm	-2.21
728352.5	3949715	32155	5/14/2015	101240	cpm	-1.67
728352.7	3949714	34738	5/14/2015	101241	cpm	-0.04
728353.1	3949713	32684	5/14/2015	101242	cpm	-1.34
728353.6	3949712	33641	5/14/2015	101243	cpm	-0.73
728354	3949711	36850	5/14/2015	101244	cpm	1.30
728354.5	3949710	31802	5/14/2015	101245	cpm	-1.89
728354.9	3949709	31320	5/14/2015	101246	cpm	-2.20
728355.3	3949708	32385	5/14/2015	101247	cpm	-1.53
728356	3949706	34536	5/14/2015	101249	cpm	-0.16
728356.7	3949704	35286	5/14/2015	101251	cpm	0.31
728357	3949703	32761	5/14/2015	101252	cpm	-1.29
728357.4	3949702	30960	5/14/2015	101253	cpm	-2.43
728357.7	3949701	32130	5/14/2015	101254	cpm	-1.69
728357.9	3949700	30592	5/14/2015	101255	cpm	-2.66
728358.2	3949699	35068	5/14/2015	101256	cpm	0.17
728358.6	3949698	33817	5/14/2015	101257	cpm	-0.62
728359.3	3949697	36144	5/14/2015	101258	cpm	0.85
728359.8	3949696	38496	5/14/2015	101259	cpm	2.34
728360.6	3949694	38814	5/14/2015	101301	cpm	2.55
728361	3949693	40213	5/14/2015	101302	cpm	3.43
728361.3	3949692	48963	5/14/2015	101303	cpm	8.97
728361.8	3949691	56550	5/14/2015	101304	cpm	13.78
728362.2	3949690	65587	5/14/2015	101305	cpm	19.50
728362.5	3949690	68777	5/14/2015	101306	cpm	21.52

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728362.9	3949689	69394	5/14/2015	101307	cpm	21.91
728363.4	3949688	64118	5/14/2015	101308	cpm	18.57
728363.9	3949687	71079	5/14/2015	101309	cpm	22.98
728364.5	3949686	67240	5/14/2015	101310	cpm	20.55
728364.9	3949685	61450	5/14/2015	101311	cpm	16.88
728365.4	3949684	56492	5/14/2015	101312	cpm	13.74
728365.9	3949683	64243	5/14/2015	101313	cpm	18.65
728366.8	3949681	67690	5/14/2015	101315	cpm	20.83
728367.1	3949680	57632	5/14/2015	101316	cpm	14.46
728367.6	3949679	44078	5/14/2015	101317	cpm	5.88
728368	3949678	40659	5/14/2015	101318	cpm	3.71
728368.6	3949677	39235	5/14/2015	101319	cpm	2.81
728369.2	3949676	38008	5/14/2015	101320	cpm	2.04
728369.6	3949675	36532	5/14/2015	101321	cpm	1.10
728370	3949674	39043	5/14/2015	101322	cpm	2.69
728370.5	3949673	35410	5/14/2015	101323	cpm	0.39
728370.9	3949672	35132	5/14/2015	101324	cpm	0.21
728371.7	3949670	33533	5/14/2015	101326	cpm	-0.80
728372.1	3949669	33373	5/14/2015	101327	cpm	-0.90
728372.7	3949668	35103	5/14/2015	101328	cpm	0.20
728373.4	3949668	30975	5/14/2015	101329	cpm	-2.42
728374	3949667	27123	5/14/2015	101330	cpm	-4.86
728374.6	3949666	29821	5/14/2015	101331	cpm	-3.15
728375.2	3949665	31890	5/14/2015	101332	cpm	-1.84
728375.9	3949664	30011	5/14/2015	101333	cpm	-3.03
728376.7	3949664	30723	5/14/2015	101334	cpm	-2.58
728377.4	3949663	30360	5/14/2015	101335	cpm	-2.81
728378	3949662	30150	5/14/2015	101336	cpm	-2.94
728378.7	3949661	31869	5/14/2015	101337	cpm	-1.85
728380.4	3949661	33116	5/14/2015	101339	cpm	-1.06
728381.2	3949662	33629	5/14/2015	101340	cpm	-0.74
728382	3949662	35347	5/14/2015	101341	cpm	0.35
728381.9	3949663	37216	5/14/2015	101342	cpm	1.53
728381.5	3949664	37234	5/14/2015	101343	cpm	1.55
728381.1	3949665	37508	5/14/2015	101344	cpm	1.72
728380.5	3949666	39527	5/14/2015	101345	cpm	3.00
728380.2	3949666	36701	5/14/2015	101346	cpm	1.21
728380.1	3949666	35335	5/14/2015	101347	cpm	0.34
728379.5	3949668	35354	5/14/2015	101349	cpm	0.35
728378.8	3949669	33078	5/14/2015	101350	cpm	-1.09
728378	3949669	36499	5/14/2015	101351	cpm	1.08
728377.3	3949670	36814	5/14/2015	101352	cpm	1.28



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728376.7	3949671	33203	5/14/2015	101353	cpm	-1.01
728376.2	3949672	36231	5/14/2015	101354	cpm	0.91
728375.7	3949673	33057	5/14/2015	101355	cpm	-1.10
728375.2	3949674	34034	5/14/2015	101356	cpm	-0.48
728374.6	3949675	32388	5/14/2015	101357	cpm	-1.52
728374	3949676	32337	5/14/2015	101358	cpm	-1.56
728373.4	3949677	35864	5/14/2015	101359	cpm	0.68
728372.7	3949678	35426	5/14/2015	101400	cpm	0.40
728372	3949679	38326	5/14/2015	101401	cpm	2.24
728370.6	3949681	44890	5/14/2015	101403	cpm	6.39
728370.1	3949682	49982	5/14/2015	101404	cpm	9.62
728369.4	3949683	61035	5/14/2015	101405	cpm	16.62
728368.8	3949683	74328	5/14/2015	101406	cpm	25.04
728368.2	3949684	75342	5/14/2015	101407	cpm	25.68
728367.7	3949685	71005	5/14/2015	101408	cpm	22.93
728367.3	3949686	65781	5/14/2015	101409	cpm	19.62
728366.9	3949687	62465	5/14/2015	101410	cpm	17.52
728366.4	3949688	66166	5/14/2015	101411	cpm	19.87
728365.9	3949689	80891	5/14/2015	101412	cpm	29.19
728365.4	3949690	76533	5/14/2015	101413	cpm	26.43
728364.8	3949692	67433	5/14/2015	101415	cpm	20.67
728364.3	3949693	62188	5/14/2015	101416	cpm	17.35
728363.7	3949694	59407	5/14/2015	101417	cpm	15.59
728363.3	3949695	57211	5/14/2015	101418	cpm	14.20
728362.8	3949696	53062	5/14/2015	101419	cpm	11.57
728362.1	3949696	41945	5/14/2015	101420	cpm	4.53
728361.6	3949697	38296	5/14/2015	101421	cpm	2.22
728361.1	3949698	39454	5/14/2015	101422	cpm	2.95
728360.6	3949699	41363	5/14/2015	101423	cpm	4.16
728360	3949700	39291	5/14/2015	101424	cpm	2.85
728359.4	3949701	34968	5/14/2015	101425	cpm	0.11
728358.6	3949703	33978	5/14/2015	101427	cpm	-0.52
728358.2	3949704	33424	5/14/2015	101428	cpm	-0.87
728357.7	3949705	32236	5/14/2015	101429	cpm	-1.62
728357.2	3949706	35209	5/14/2015	101430	cpm	0.26
728356.8	3949707	33672	5/14/2015	101431	cpm	-0.71
728356.4	3949708	34968	5/14/2015	101432	cpm	0.11
728356.2	3949709	34002	5/14/2015	101433	cpm	-0.50
728355.8	3949710	32860	5/14/2015	101434	cpm	-1.22
728355.3	3949712	30355	5/14/2015	101435	cpm	-2.81
728354.9	3949713	33118	5/14/2015	101436	cpm	-1.06
728354.4	3949714	31199	5/14/2015	101437	cpm	-2.28

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728353.6	3949716	31140	5/14/2015	101439	cpm	-2.31
728353.4	3949717	29085	5/14/2015	101440	cpm	-3.62
728353.5	3949718	34241	5/14/2015	101441	cpm	-0.35
728353.6	3949719	31330	5/14/2015	101442	cpm	-2.19
728353.1	3949720	33752	5/14/2015	101443	cpm	-0.66
728352.4	3949721	32018	5/14/2015	101444	cpm	-1.76
728352	3949722	31134	5/14/2015	101445	cpm	-2.32
728352	3949722	31363	5/14/2015	101446	cpm	-2.17
728352.4	3949723	29921	5/14/2015	101447	cpm	-3.09
728352.8	3949722	34210	5/14/2015	101448	cpm	-0.37
728353.2	3949721	31395	5/14/2015	101449	cpm	-2.15
728354.2	3949719	34249	5/14/2015	101451	cpm	-0.35
728355.1	3949717	35958	5/14/2015	101453	cpm	0.74
728355.5	3949716	34069	5/14/2015	101454	cpm	-0.46
728355.8	3949715	31257	5/14/2015	101455	cpm	-2.24
728356.2	3949714	29624	5/14/2015	101456	cpm	-3.27
728356.6	3949713	30086	5/14/2015	101457	cpm	-2.98
728357.1	3949712	33021	5/14/2015	101458	cpm	-1.12
728357.6	3949711	31025	5/14/2015	101459	cpm	-2.39
728358.1	3949710	29356	5/14/2015	101500	cpm	-3.44
728358.6	3949709	30949	5/14/2015	101501	cpm	-2.43
728359	3949708	34047	5/14/2015	101502	cpm	-0.47
728360	3949706	34222	5/14/2015	101504	cpm	-0.36
728360.5	3949705	34205	5/14/2015	101505	cpm	-0.37
728360.6	3949704	34591	5/14/2015	101506	cpm	-0.13
728361	3949703	35317	5/14/2015	101507	cpm	0.33
728361.4	3949702	39399	5/14/2015	101508	cpm	2.92
728362	3949701	38920	5/14/2015	101509	cpm	2.61
728362.5	3949700	38080	5/14/2015	101510	cpm	2.08
728363	3949699	38590	5/14/2015	101511	cpm	2.40
728363.6	3949699	48647	5/14/2015	101512	cpm	8.77
728364.1	3949698	44081	5/14/2015	101513	cpm	5.88
728364.3	3949697	44410	5/14/2015	101514	cpm	6.09
728364.8	3949696	48743	5/14/2015	101515	cpm	8.83
728365.3	3949695	50476	5/14/2015	101517	cpm	9.93
728365.8	3949694	57019	5/14/2015	101518	cpm	14.07
728366.1	3949693	64954	5/14/2015	101519	cpm	19.10
728366.6	3949692	70388	5/14/2015	101520	cpm	22.54
728367	3949691	71237	5/14/2015	101521	cpm	23.08
728367.4	3949690	73489	5/14/2015	101522	cpm	24.50
728367.6	3949690	69222	5/14/2015	101523	cpm	21.80
728368	3949689	70345	5/14/2015	101524	cpm	22.51

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728368.5	3949688	81066	5/14/2015	101525	cpm	29.30
728368.8	3949687	74086	5/14/2015	101526	cpm	24.88
728369.8	3949685	69851	5/14/2015	101528	cpm	22.20
728370.5	3949684	65283	5/14/2015	101529	cpm	19.31
728371.2	3949683	62940	5/14/2015	101530	cpm	17.82
728371.9	3949682	53205	5/14/2015	101531	cpm	11.66
728372.5	3949681	43751	5/14/2015	101532	cpm	5.67
728373	3949680	39198	5/14/2015	101533	cpm	2.79
728373.7	3949679	40159	5/14/2015	101534	cpm	3.40
728374.3	3949678	38089	5/14/2015	101535	cpm	2.09
728375	3949677	33342	5/14/2015	101536	cpm	-0.92
728375.7	3949676	34225	5/14/2015	101537	cpm	-0.36
728376.4	3949676	34416	5/14/2015	101538	cpm	-0.24
728377.1	3949675	35331	5/14/2015	101539	cpm	0.34
728377.8	3949674	35622	5/14/2015	101540	cpm	0.52
728378.5	3949673	34975	5/14/2015	101541	cpm	0.11
728379.1	3949672	37454	5/14/2015	101542	cpm	1.68
728379.7	3949671	38793	5/14/2015	101543	cpm	2.53
728380.2	3949670	37478	5/14/2015	101544	cpm	1.70
728380.8	3949669	39219	5/14/2015	101545	cpm	2.80
728381.3	3949668	42295	5/14/2015	101546	cpm	4.75
728381.9	3949667	45223	5/14/2015	101547	cpm	6.60
728382.6	3949666	46856	5/14/2015	101548	cpm	7.64
728383.6	3949664	47024	5/14/2015	101550	cpm	7.74
728383.6	3949664	42116	5/14/2015	101551	cpm	4.64
728383	3949663	37409	5/14/2015	101552	cpm	1.66
728382.9	3949662	38932	5/14/2015	101553	cpm	2.62
728383.4	3949662	38503	5/14/2015	101554	cpm	2.35
728384.1	3949661	36385	5/14/2015	101555	cpm	1.01
728384.8	3949660	34596	5/14/2015	101556	cpm	-0.13
728385.4	3949659	32019	5/14/2015	101557	cpm	-1.76
728386	3949659	30864	5/14/2015	101558	cpm	-2.49
728386.8	3949658	31816	5/14/2015	101559	cpm	-1.89
728387.5	3949657	32191	5/14/2015	101601	cpm	-1.65
728386.4	3949655	32522	5/14/2015	101603	cpm	-1.44
728385.8	3949655	32850	5/14/2015	101604	cpm	-1.23
728385.1	3949654	33412	5/14/2015	101605	cpm	-0.88
728384.5	3949654	31573	5/14/2015	101606	cpm	-2.04
728383.9	3949655	32793	5/14/2015	101607	cpm	-1.27
728383.2	3949655	33038	5/14/2015	101608	cpm	-1.11
728382.5	3949656	31449	5/14/2015	101609	cpm	-2.12
728381.8	3949657	35822	5/14/2015	101610	cpm	0.65

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728381	3949657	30015	5/14/2015	101611	cpm	-3.03
728380.3	3949658	28923	5/14/2015	101612	cpm	-3.72
728378.9	3949660	31081	5/14/2015	101614	cpm	-2.35
728379.1	3949660	34110	5/14/2015	101615	cpm	-0.43
728379.7	3949661	33517	5/14/2015	101616	cpm	-0.81
728380.3	3949661	30999	5/14/2015	101617	cpm	-2.40
728380.9	3949661	31360	5/14/2015	101618	cpm	-2.17
728381.4	3949660	33130	5/14/2015	101619	cpm	-1.05
728382.1	3949659	31322	5/14/2015	101620	cpm	-2.20
728382.7	3949659	30870	5/14/2015	101621	cpm	-2.48
728383.5	3949658	32407	5/14/2015	101622	cpm	-1.51
728384.3	3949658	35895	5/14/2015	101623	cpm	0.70
728385.9	3949657	31006	5/14/2015	101625	cpm	-2.40
728386.7	3949657	33911	5/14/2015	101626	cpm	-0.56
728387.2	3949657	30888	5/14/2015	101627	cpm	-2.47
728387.6	3949657	33312	5/14/2015	101628	cpm	-0.94
728387.7	3949658	34518	5/14/2015	101629	cpm	-0.17
728387.4	3949658	33889	5/14/2015	101630	cpm	-0.57
728386.7	3949658	30732	5/14/2015	101631	cpm	-2.57
728385.8	3949659	31383	5/14/2015	101632	cpm	-2.16
728385.1	3949659	35205	5/14/2015	101633	cpm	0.26
728384.6	3949660	31061	5/14/2015	101634	cpm	-2.36
728383	3949661	30650	5/14/2015	101636	cpm	-2.62
728382.3	3949662	30891	5/14/2015	101637	cpm	-2.47
728381.5	3949662	32832	5/14/2015	101638	cpm	-1.24
728380.8	3949663	31038	5/14/2015	101639	cpm	-2.38
728380.1	3949663	32689	5/14/2015	101640	cpm	-1.33
728379.1	3949664	32532	5/14/2015	101641	cpm	-1.43
728378.2	3949664	30843	5/14/2015	101642	cpm	-2.50
728377.3	3949664	29190	5/14/2015	101643	cpm	-3.55
728376.6	3949665	30937	5/14/2015	101644	cpm	-2.44
728376.2	3949666	30538	5/14/2015	101645	cpm	-2.70
728375.9	3949668	32141	5/14/2015	101647	cpm	-1.68
728375.7	3949669	30925	5/14/2015	101648	cpm	-2.45
728375.2	3949669	31011	5/14/2015	101649	cpm	-2.40
728374.8	3949670	29592	5/14/2015	101650	cpm	-3.29
728374.4	3949671	30528	5/14/2015	101651	cpm	-2.70
728374	3949672	30702	5/14/2015	101652	cpm	-2.59
728373.6	3949673	33685	5/14/2015	101653	cpm	-0.70
728373.6	3949673	33861	5/14/2015	101654	cpm	-0.59
728374.3	3949672	33845	5/14/2015	101655	cpm	-0.60
728375.8	3949670	32071	5/14/2015	101657	cpm	-1.72

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728376.6	3949669	32647	5/14/2015	101658	cpm	-1.36
728377.4	3949668	33602	5/14/2015	101659	cpm	-0.75
728378.1	3949667	33180	5/14/2015	101700	cpm	-1.02
728378.9	3949666	35115	5/14/2015	101701	cpm	0.20
728379.9	3949666	33438	5/14/2015	101702	cpm	-0.86
728380.8	3949665	34699	5/14/2015	101703	cpm	-0.06
728381.6	3949664	39425	5/14/2015	101704	cpm	2.93
728382.5	3949663	38896	5/14/2015	101705	cpm	2.60
728383.4	3949662	39784	5/14/2015	101706	cpm	3.16
728384.3	3949661	35344	5/14/2015	101707	cpm	0.35
728386.2	3949660	31369	5/14/2015	101709	cpm	-2.17
728387.2	3949660	30552	5/14/2015	101710	cpm	-2.69
728388.1	3949659	30678	5/14/2015	101711	cpm	-2.61
728389	3949659	32269	5/14/2015	101712	cpm	-1.60
728390	3949659	31887	5/14/2015	101713	cpm	-1.84
728390.7	3949659	29362	5/14/2015	101714	cpm	-3.44
728391.3	3949660	28670	5/14/2015	101715	cpm	-3.88
728392	3949660	31587	5/14/2015	101716	cpm	-2.03
728391.7	3949661	28537	5/14/2015	101718	cpm	-3.96
728391.2	3949661	28944	5/14/2015	101719	cpm	-3.70
728390.7	3949662	29946	5/14/2015	101720	cpm	-3.07
728390.4	3949662	34156	5/14/2015	101721	cpm	-0.40
728390.4	3949662	29839	5/14/2015	101722	cpm	-3.14
728390.5	3949662	30349	5/14/2015	101723	cpm	-2.81
728390.6	3949661	30237	5/14/2015	101724	cpm	-2.89
728390.5	3949660	28559	5/14/2015	101725	cpm	-3.95
728390.1	3949659	31218	5/14/2015	101727	cpm	-2.26
728389	3949661	28778	5/14/2015	101729	cpm	-3.81
728388.4	3949662	31674	5/14/2015	101730	cpm	-1.98
728387.7	3949662	34828	5/14/2015	101731	cpm	0.02
728387.2	3949663	39877	5/14/2015	101732	cpm	3.22
728386.7	3949664	44019	5/14/2015	101733	cpm	5.84
728386.2	3949664	42564	5/14/2015	101734	cpm	4.92
728385.6	3949665	41142	5/14/2015	101735	cpm	4.02
728384.9	3949666	45342	5/14/2015	101736	cpm	6.68
728383.9	3949667	49915	5/14/2015	101738	cpm	9.58
728383.4	3949668	48809	5/14/2015	101739	cpm	8.88
728382.9	3949668	49582	5/14/2015	101740	cpm	9.36
728382.3	3949669	39755	5/14/2015	101741	cpm	3.14
728381.5	3949670	40598	5/14/2015	101742	cpm	3.68
728381.1	3949671	40599	5/14/2015	101743	cpm	3.68
728380.7	3949672	46600	5/14/2015	101744	cpm	7.48

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728380.2	3949673	44665	5/14/2015	101745	cpm	6.25
728379.2	3949675	36984	5/14/2015	101747	cpm	1.39
728378.7	3949676	34956	5/14/2015	101748	cpm	0.10
728378.1	3949676	35049	5/14/2015	101749	cpm	0.16
728377.7	3949677	35852	5/14/2015	101750	cpm	0.67
728377.1	3949678	38183	5/14/2015	101751	cpm	2.15
728376.6	3949679	36575	5/14/2015	101752	cpm	1.13
728376	3949680	37974	5/14/2015	101753	cpm	2.01
728375.4	3949681	38773	5/14/2015	101754	cpm	2.52
728375	3949682	37443	5/14/2015	101755	cpm	1.68
728374.2	3949684	41880	5/14/2015	101757	cpm	4.49
728373.8	3949685	52530	5/14/2015	101758	cpm	11.23
728373.3	3949686	55642	5/14/2015	101759	cpm	13.20
728372.8	3949687	89000	5/14/2015	101800	cpm	34.33
728372.2	3949688	90080	5/14/2015	101801	cpm	35.01
728371.6	3949689	66800	5/14/2015	101802	cpm	20.27
728371	3949690	66440	5/14/2015	101803	cpm	20.04
728370	3949692	60202	5/14/2015	101805	cpm	16.09
728368.8	3949694	52475	5/14/2015	101807	cpm	11.20
728368.1	3949695	54188	5/14/2015	101808	cpm	12.28
728367.6	3949696	52157	5/14/2015	101809	cpm	11.00
728367.1	3949697	46219	5/14/2015	101810	cpm	7.24
728366.7	3949698	41764	5/14/2015	101811	cpm	4.41
728366.4	3949699	39121	5/14/2015	101812	cpm	2.74
728366	3949700	35730	5/14/2015	101813	cpm	0.59
728365.5	3949701	37762	5/14/2015	101814	cpm	1.88
728364.7	3949703	35480	5/14/2015	101816	cpm	0.43
728363.9	3949705	36477	5/14/2015	101818	cpm	1.07
728363.4	3949706	36569	5/14/2015	101819	cpm	1.12
728362.9	3949707	34552	5/14/2015	101820	cpm	-0.15
728362.4	3949708	33568	5/14/2015	101821	cpm	-0.78
728361.9	3949709	33472	5/14/2015	101822	cpm	-0.84
728361.3	3949710	35338	5/14/2015	101823	cpm	0.34
728360.7	3949711	34814	5/14/2015	101824	cpm	0.01
728360	3949712	31500	5/14/2015	101825	cpm	-2.09
728359.5	3949712	30465	5/14/2015	101826	cpm	-2.74
728359.1	3949713	32546	5/14/2015	101827	cpm	-1.42
728358.7	3949714	34596	5/14/2015	101828	cpm	-0.13
728358.5	3949715	32739	5/14/2015	101829	cpm	-1.30
728358	3949716	33264	5/14/2015	101830	cpm	-0.97
728357.6	3949717	30126	5/14/2015	101831	cpm	-2.96
728357.3	3949718	32851	5/14/2015	101832	cpm	-1.23

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728356.7	3949719	32145	5/14/2015	101833	cpm	-1.68
728355.9	3949722	27973	5/14/2015	101835	cpm	-4.32
728356	3949722	30453	5/14/2015	101836	cpm	-2.75
728356.6	3949723	31973	5/14/2015	101837	cpm	-1.79
728357.4	3949723	32173	5/14/2015	101838	cpm	-1.66
728358.3	3949723	32403	5/14/2015	101839	cpm	-1.51
728359.1	3949723	33870	5/14/2015	101840	cpm	-0.59
728359.5	3949722	34537	5/14/2015	101841	cpm	-0.16
728359.9	3949722	35784	5/14/2015	101842	cpm	0.63
728360.4	3949721	30294	5/14/2015	101843	cpm	-2.85
728360.8	3949720	29923	5/14/2015	101844	cpm	-3.08
728361.2	3949719	31241	5/14/2015	101845	cpm	-2.25
728361.5	3949718	32920	5/14/2015	101846	cpm	-1.19
728362.1	3949717	32920	5/14/2015	101847	cpm	-1.19
728362.6	3949716	31240	5/14/2015	101848	cpm	-2.25
728363	3949715	34930	5/14/2015	101849	cpm	0.09
728363.4	3949714	31502	5/14/2015	101850	cpm	-2.08
728364.1	3949712	34215	5/14/2015	101852	cpm	-0.37
728364.6	3949711	33813	5/14/2015	101853	cpm	-0.62
728365.1	3949710	30773	5/14/2015	101854	cpm	-2.55
728365.6	3949709	30883	5/14/2015	101855	cpm	-2.48
728366	3949708	33791	5/14/2015	101856	cpm	-0.64
728366.5	3949707	33827	5/14/2015	101857	cpm	-0.61
728366.9	3949706	36056	5/14/2015	101858	cpm	0.80
728367.5	3949705	41178	5/14/2015	101859	cpm	4.04
728368.2	3949702	37598	5/14/2015	101901	cpm	1.78
728368.5	3949702	38979	5/14/2015	101902	cpm	2.65
728368.8	3949701	34855	5/14/2015	101903	cpm	0.04
728369.2	3949700	39313	5/14/2015	101904	cpm	2.86
728369.6	3949699	53118	5/14/2015	101905	cpm	11.60
728369.9	3949698	63559	5/14/2015	101906	cpm	18.22
728370.3	3949697	59569	5/14/2015	101907	cpm	15.69
728370.6	3949696	57162	5/14/2015	101908	cpm	14.17
728371.1	3949694	45040	5/14/2015	101910	cpm	6.49
728371.3	3949693	43990	5/14/2015	101911	cpm	5.82
728371.6	3949692	41555	5/14/2015	101912	cpm	4.28
728372.1	3949691	51589	5/14/2015	101913	cpm	10.64
728372.5	3949691	54414	5/14/2015	101914	cpm	12.42
728372.9	3949690	52987	5/14/2015	101915	cpm	11.52
728373.4	3949688	55006	5/14/2015	101916	cpm	12.80
728374	3949688	58121	5/14/2015	101917	cpm	14.77
728374.5	3949687	80410	5/14/2015	101918	cpm	28.89

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728375	3949686	80768	5/14/2015	101919	cpm	29.11
728375.6	3949685	62282	5/14/2015	101920	cpm	17.41
728376.1	3949684	55470	5/14/2015	101921	cpm	13.09
728376.7	3949683	53557	5/14/2015	101922	cpm	11.88
728377.2	3949682	51459	5/14/2015	101923	cpm	10.55
728377.7	3949680	42535	5/14/2015	101924	cpm	4.90
728378.3	3949679	42327	5/14/2015	101925	cpm	4.77
728378.9	3949678	37391	5/14/2015	101926	cpm	1.64
728379.4	3949677	39437	5/14/2015	101927	cpm	2.94
728380.1	3949675	41839	5/14/2015	101929	cpm	4.46
728380.6	3949674	41959	5/14/2015	101930	cpm	4.54
728381.1	3949673	40220	5/14/2015	101931	cpm	3.44
728381.6	3949672	46895	5/14/2015	101932	cpm	7.66
728382	3949671	48293	5/14/2015	101933	cpm	8.55
728382.5	3949670	47473	5/14/2015	101934	cpm	8.03
728383	3949668	45409	5/14/2015	101935	cpm	6.72
728384.2	3949667	45250	5/14/2015	101937	cpm	6.62
728385.4	3949665	39413	5/14/2015	101939	cpm	2.93
728385.8	3949664	40063	5/14/2015	101940	cpm	3.34
728385.9	3949664	39536	5/14/2015	101941	cpm	3.00
728386.2	3949663	43664	5/14/2015	101942	cpm	5.62
728386.7	3949663	43796	5/14/2015	101943	cpm	5.70
728387.2	3949662	33689	5/14/2015	101944	cpm	-0.70
728388.1	3949661	30292	5/14/2015	101945	cpm	-2.85
728388.8	3949660	32233	5/14/2015	101946	cpm	-1.62
728389.8	3949659	30348	5/14/2015	101948	cpm	-2.82
728390.4	3949658	30297	5/14/2015	101949	cpm	-2.85
728391.2	3949657	31424	5/14/2015	101950	cpm	-2.13
728391.9	3949656	28496	5/14/2015	101951	cpm	-3.99
728392.8	3949657	25574	5/14/2015	101952	cpm	-5.84
728393.6	3949657	26613	5/14/2015	101953	cpm	-5.18
728393.9	3949658	28643	5/14/2015	101954	cpm	-3.90
728393.5	3949659	28595	5/14/2015	101955	cpm	-3.93
728392.5	3949661	28067	5/14/2015	101957	cpm	-4.26
728391.8	3949662	27806	5/14/2015	101958	cpm	-4.43
728391.3	3949663	29751	5/14/2015	101959	cpm	-3.19
728390.7	3949664	31768	5/14/2015	102000	cpm	-1.92
728390.1	3949665	42172	5/14/2015	102001	cpm	4.67
728389.6	3949666	40903	5/14/2015	102002	cpm	3.87
728389.2	3949667	35845	5/14/2015	102003	cpm	0.67
728388.8	3949668	36171	5/14/2015	102004	cpm	0.87
728388.1	3949668	37542	5/14/2015	102005	cpm	1.74



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728387.6	3949669	42475	5/14/2015	102006	cpm	4.86
728387.3	3949670	47669	5/14/2015	102008	cpm	8.15
728386.8	3949671	51007	5/14/2015	102009	cpm	10.27
728386.2	3949671	61141	5/14/2015	102010	cpm	16.68
728385.7	3949672	59115	5/14/2015	102011	cpm	15.40
728385.3	3949673	53058	5/14/2015	102012	cpm	11.57
728384.7	3949674	48484	5/14/2015	102013	cpm	8.67
728384.1	3949675	46831	5/14/2015	102014	cpm	7.62
728383.5	3949676	40329	5/14/2015	102015	cpm	3.51
728382.8	3949677	36812	5/14/2015	102016	cpm	1.28
728382.2	3949678	35513	5/14/2015	102017	cpm	0.46
728381.6	3949679	37618	5/14/2015	102018	cpm	1.79
728381	3949680	38834	5/14/2015	102019	cpm	2.56
728380.3	3949682	38538	5/14/2015	102020	cpm	2.37
728379.6	3949683	36034	5/14/2015	102021	cpm	0.79
728379	3949684	41078	5/14/2015	102022	cpm	3.98
728378.4	3949685	47499	5/14/2015	102023	cpm	8.05
728377.1	3949687	58735	5/14/2015	102025	cpm	15.16
728376.5	3949688	77653	5/14/2015	102026	cpm	27.14
728376	3949689	58863	5/14/2015	102027	cpm	15.24
728375.6	3949690	46635	5/14/2015	102028	cpm	7.50
728375	3949691	44388	5/14/2015	102029	cpm	6.08
728374.4	3949692	46917	5/14/2015	102030	cpm	7.68
728374	3949693	49169	5/14/2015	102031	cpm	9.10
728373.6	3949694	57652	5/14/2015	102032	cpm	14.48
728373.1	3949695	53178	5/14/2015	102033	cpm	11.64
728372.4	3949696	49114	5/14/2015	102034	cpm	9.07
728371.8	3949697	62858	5/14/2015	102035	cpm	17.77
728371.4	3949698	68214	5/14/2015	102036	cpm	21.16
728370.9	3949699	57703	5/14/2015	102037	cpm	14.51
728370.4	3949700	45086	5/14/2015	102038	cpm	6.52
728370	3949701	37341	5/14/2015	102039	cpm	1.61
728369.6	3949702	38945	5/14/2015	102040	cpm	2.63
728368.5	3949704	39166	5/14/2015	102042	cpm	2.77
728368	3949705	37091	5/14/2015	102043	cpm	1.45
728367.4	3949707	34413	5/14/2015	102044	cpm	-0.24
728367	3949708	32483	5/14/2015	102045	cpm	-1.46
728366.5	3949709	32450	5/14/2015	102046	cpm	-1.48
728365.9	3949710	33732	5/14/2015	102047	cpm	-0.67
728365.4	3949711	30093	5/14/2015	102048	cpm	-2.98
728364.9	3949712	35383	5/14/2015	102049	cpm	0.37
728363.7	3949714	36194	5/14/2015	102051	cpm	0.89

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728363.1	3949715	32988	5/14/2015	102052	cpm	-1.14
728362.6	3949716	32067	5/14/2015	102053	cpm	-1.73
728362.2	3949717	32766	5/14/2015	102054	cpm	-1.28
728362.2	3949717	31411	5/14/2015	102055	cpm	-2.14
728362.3	3949717	31162	5/14/2015	102056	cpm	-2.30
728362.3	3949717	29570	5/14/2015	102057	cpm	-3.31
728362.2	3949717	32412	5/14/2015	102058	cpm	-1.51
728361.6	3949718	35283	5/14/2015	102100	cpm	0.31
728361.1	3949719	34800	5/14/2015	102101	cpm	0.00
728360.7	3949720	33270	5/14/2015	102102	cpm	-0.97
728360.2	3949721	33937	5/14/2015	102103	cpm	-0.54
728359.7	3949722	37464	5/14/2015	102104	cpm	1.69
728360	3949723	36576	5/14/2015	102105	cpm	1.13
728360.9	3949723	35544	5/14/2015	102106	cpm	0.47
728361.6	3949724	31749	5/14/2015	102107	cpm	-1.93
728362.5	3949723	31067	5/14/2015	102108	cpm	-2.36
728362.9	3949722	31916	5/14/2015	102109	cpm	-1.82
728363.4	3949721	32879	5/14/2015	102110	cpm	-1.21
728363.9	3949720	30450	5/14/2015	102111	cpm	-2.75
728364.5	3949719	38482	5/14/2015	102112	cpm	2.34
728364.9	3949718	34880	5/14/2015	102113	cpm	0.05
728365.4	3949717	35660	5/14/2015	102114	cpm	0.55
728366.4	3949715	34625	5/14/2015	102116	cpm	-0.11
728367	3949714	36916	5/14/2015	102117	cpm	1.34
728367.7	3949713	34549	5/14/2015	102118	cpm	-0.16
728368.3	3949713	36237	5/14/2015	102119	cpm	0.91
728368.6	3949712	36119	5/14/2015	102120	cpm	0.84
728368.7	3949712	37890	5/14/2015	102121	cpm	1.96
728368.7	3949712	38032	5/14/2015	102122	cpm	2.05
728368.7	3949712	37304	5/14/2015	102123	cpm	1.59
728368.7	3949712	37076	5/14/2015	102124	cpm	1.45
728368.7	3949712	35009	5/14/2015	102125	cpm	0.14
728368.8	3949712	37072	5/14/2015	102126	cpm	1.44
728369.4	3949711	40348	5/14/2015	102127	cpm	3.52
728370.1	3949710	36247	5/14/2015	102128	cpm	0.92
728370.9	3949709	35671	5/14/2015	102129	cpm	0.56
728371.7	3949708	31777	5/14/2015	102130	cpm	-1.91
728372.7	3949707	33084	5/14/2015	102132	cpm	-1.08
728373	3949705	32511	5/14/2015	102133	cpm	-1.45
728373.3	3949704	31017	5/14/2015	102134	cpm	-2.39
728373.6	3949703	35864	5/14/2015	102135	cpm	0.68
728373.8	3949702	36176	5/14/2015	102136	cpm	0.88

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728374	3949701	39674	5/14/2015	102137	cpm	3.09
728374.4	3949700	42228	5/14/2015	102138	cpm	4.71
728374.7	3949698	48936	5/14/2015	102139	cpm	8.96
728375	3949697	48054	5/14/2015	102140	cpm	8.40
728375.2	3949696	54643	5/14/2015	102141	cpm	12.57
728375.5	3949695	53321	5/14/2015	102142	cpm	11.73
728376	3949694	48970	5/14/2015	102143	cpm	8.98
728376.6	3949693	56642	5/14/2015	102144	cpm	13.84
728377.2	3949692	49920	5/14/2015	102145	cpm	9.58
728377.3	3949692	47460	5/14/2015	102146	cpm	8.02
728377.1	3949692	46215	5/14/2015	102148	cpm	7.23
728377.3	3949691	45003	5/14/2015	102149	cpm	6.47
728377.6	3949690	46741	5/14/2015	102150	cpm	7.57
728377.8	3949689	49905	5/14/2015	102151	cpm	9.57
728378.3	3949688	42626	5/14/2015	102152	cpm	4.96
728378.8	3949687	47256	5/14/2015	102153	cpm	7.89
728379.3	3949686	42594	5/14/2015	102154	cpm	4.94
728379.9	3949685	40252	5/14/2015	102155	cpm	3.46
728381.1	3949683	38643	5/14/2015	102157	cpm	2.44
728381.5	3949682	37560	5/14/2015	102158	cpm	1.75
728382.1	3949680	36690	5/14/2015	102159	cpm	1.20
728382.5	3949680	38452	5/14/2015	102200	cpm	2.32
728382.8	3949679	34183	5/14/2015	102201	cpm	-0.39
728383	3949679	37676	5/14/2015	102202	cpm	1.83
728382.8	3949679	37649	5/14/2015	102203	cpm	1.81
728383.1	3949679	33952	5/14/2015	102204	cpm	-0.53
728384.2	3949677	35368	5/14/2015	102206	cpm	0.36
728384.9	3949676	37102	5/14/2015	102207	cpm	1.46
728385.4	3949675	39635	5/14/2015	102208	cpm	3.07
728385.8	3949674	43178	5/14/2015	102209	cpm	5.31
728386.4	3949673	46644	5/14/2015	102210	cpm	7.50
728387.1	3949673	52221	5/14/2015	102211	cpm	11.04
728387.7	3949672	51365	5/14/2015	102212	cpm	10.49
728388.2	3949671	38670	5/14/2015	102213	cpm	2.45
728388.9	3949671	44467	5/14/2015	102214	cpm	6.13
728389.6	3949670	48857	5/14/2015	102215	cpm	8.91
728390.2	3949669	39424	5/14/2015	102216	cpm	2.93
728390.7	3949669	33676	5/14/2015	102217	cpm	-0.71
728391.4	3949668	30799	5/14/2015	102218	cpm	-2.53
728391.8	3949667	31159	5/14/2015	102219	cpm	-2.30
728392.6	3949667	35960	5/14/2015	102220	cpm	0.74
728393.3	3949667	29840	5/14/2015	102221	cpm	-3.14

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728394.2	3949666	29660	5/14/2015	102223	cpm	-3.25
728394.7	3949665	31745	5/14/2015	102224	cpm	-1.93
728395.1	3949665	29866	5/14/2015	102225	cpm	-3.12
728395.2	3949665	32876	5/14/2015	102226	cpm	-1.21
728395.2	3949665	33689	5/14/2015	102227	cpm	-0.70
728395.1	3949665	30172	5/14/2015	102228	cpm	-2.93
728395.1	3949665	32785	5/14/2015	102229	cpm	-1.27
728395.2	3949664	30114	5/14/2015	102231	cpm	-2.96
728395.1	3949663	29008	5/14/2015	102232	cpm	-3.66
728395.7	3949662	32122	5/14/2015	102233	cpm	-1.69
728396.6	3949662	32780	5/14/2015	102234	cpm	-1.28
728397.6	3949662	32285	5/14/2015	102235	cpm	-1.59
728398.6	3949662	31741	5/14/2015	102236	cpm	-1.93
728399.4	3949663	33405	5/14/2015	102237	cpm	-0.88
728399.9	3949664	35291	5/14/2015	102238	cpm	0.31
728399.4	3949665	35133	5/14/2015	102240	cpm	0.21
728398.7	3949666	31733	5/14/2015	102241	cpm	-1.94
728398	3949667	30643	5/14/2015	102242	cpm	-2.63
728397.3	3949667	31931	5/14/2015	102243	cpm	-1.81
728396.7	3949668	30662	5/14/2015	102244	cpm	-2.62
728396	3949669	28095	5/14/2015	102245	cpm	-4.24
728395.4	3949670	30423	5/14/2015	102246	cpm	-2.77
728394.7	3949670	30484	5/14/2015	102247	cpm	-2.73
728394	3949671	30601	5/14/2015	102248	cpm	-2.66
728393.3	3949672	33840	5/14/2015	102249	cpm	-0.60
728392.7	3949673	33960	5/14/2015	102250	cpm	-0.53
728392.1	3949673	33600	5/14/2015	102251	cpm	-0.76
728391.3	3949674	34410	5/14/2015	102252	cpm	-0.24
728390.8	3949674	33652	5/14/2015	102253	cpm	-0.72
728389.4	3949675	35623	5/14/2015	102255	cpm	0.52
728388.6	3949676	36266	5/14/2015	102256	cpm	0.93
728387.8	3949677	40566	5/14/2015	102257	cpm	3.66
728387.1	3949678	41521	5/14/2015	102258	cpm	4.26
728386.4	3949679	40050	5/14/2015	102259	cpm	3.33
728385.9	3949680	39292	5/14/2015	102300	cpm	2.85
728385.3	3949681	35913	5/14/2015	102301	cpm	0.71
728383.9	3949682	41229	5/14/2015	102303	cpm	4.08
728383.2	3949683	39737	5/14/2015	102304	cpm	3.13
728382.5	3949684	46354	5/14/2015	102305	cpm	7.32
728381.8	3949685	37478	5/14/2015	102306	cpm	1.70
728381.3	3949686	44169	5/14/2015	102307	cpm	5.94
728380.7	3949688	42212	5/14/2015	102308	cpm	4.70

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728379.5	3949690	44195	5/14/2015	102310	cpm	5.95
728378.7	3949690	43089	5/14/2015	102311	cpm	5.25
728377.5	3949692	42602	5/14/2015	102313	cpm	4.94
728377	3949694	51660	5/14/2015	102314	cpm	10.68
728376.3	3949695	48165	5/14/2015	102315	cpm	8.47
728375.9	3949696	51611	5/14/2015	102316	cpm	10.65
728375.5	3949697	56133	5/14/2015	102317	cpm	13.51
728375.1	3949698	51773	5/14/2015	102318	cpm	10.75
728374.8	3949700	56036	5/14/2015	102319	cpm	13.45
728374.4	3949701	48059	5/14/2015	102320	cpm	8.40
728373.9	3949702	44204	5/14/2015	102321	cpm	5.96
728373.5	3949703	38651	5/14/2015	102322	cpm	2.44
728373.1	3949704	36782	5/14/2015	102323	cpm	1.26
728372.6	3949705	36375	5/14/2015	102324	cpm	1.00
728372	3949706	37773	5/14/2015	102325	cpm	1.89
728371.3	3949709	34163	5/14/2015	102327	cpm	-0.40
728370.9	3949710	33021	5/14/2015	102328	cpm	-1.12
728370.5	3949711	34265	5/14/2015	102329	cpm	-0.34
728370	3949712	36106	5/14/2015	102330	cpm	0.83
728369.3	3949713	39026	5/14/2015	102331	cpm	2.68
728368.7	3949714	38046	5/14/2015	102332	cpm	2.06
728368.3	3949715	32152	5/14/2015	102333	cpm	-1.67
728367.9	3949716	36118	5/14/2015	102334	cpm	0.84
728367.6	3949717	33929	5/14/2015	102335	cpm	-0.55
728367.3	3949718	38692	5/14/2015	102336	cpm	2.47
728367.2	3949719	34603	5/14/2015	102337	cpm	-0.12
728367.4	3949720	31060	5/14/2015	102338	cpm	-2.36
728367.4	3949721	35005	5/14/2015	102339	cpm	0.13
728366.3	3949723	35901	5/14/2015	102341	cpm	0.70
728365.8	3949723	33005	5/14/2015	102342	cpm	-1.13
728365.4	3949724	33811	5/14/2015	102343	cpm	-0.62
728365	3949725	33682	5/14/2015	102344	cpm	-0.70
728364.7	3949726	32240	5/14/2015	102345	cpm	-1.62
728365.1	3949727	33710	5/14/2015	102346	cpm	-0.69
728365.9	3949727	34874	5/14/2015	102347	cpm	0.05
728366.8	3949727	33858	5/14/2015	102348	cpm	-0.59
728367.6	3949727	34714	5/14/2015	102349	cpm	-0.05
728368.2	3949726	35558	5/14/2015	102350	cpm	0.48
728368.6	3949725	38379	5/14/2015	102351	cpm	2.27
728369	3949724	37225	5/14/2015	102352	cpm	1.54
728369.5	3949723	34776	5/14/2015	102353	cpm	-0.01
728370.6	3949721	34674	5/14/2015	102355	cpm	-0.08

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728371.1	3949720	32998	5/14/2015	102356	cpm	-1.14
728371.5	3949719	35129	5/14/2015	102357	cpm	0.21
728372.1	3949718	33682	5/14/2015	102358	cpm	-0.70
728372.8	3949717	32960	5/14/2015	102359	cpm	-1.16
728373.4	3949716	32570	5/14/2015	102400	cpm	-1.41
728374.1	3949715	29988	5/14/2015	102401	cpm	-3.04
728375.2	3949713	31701	5/14/2015	102403	cpm	-1.96
728375.8	3949712	34685	5/14/2015	102404	cpm	-0.07
728376.5	3949711	29461	5/14/2015	102405	cpm	-3.38
728377.2	3949710	27405	5/14/2015	102406	cpm	-4.68
728377.7	3949709	28421	5/14/2015	102407	cpm	-4.04
728378.2	3949708	29005	5/14/2015	102408	cpm	-3.67
728378.5	3949707	31581	5/14/2015	102409	cpm	-2.03
728379.2	3949704	35495	5/14/2015	102411	cpm	0.44
728379.7	3949703	32783	5/14/2015	102412	cpm	-1.27
728380.1	3949702	32226	5/14/2015	102413	cpm	-1.63
728380.3	3949701	30796	5/14/2015	102414	cpm	-2.53
728380.5	3949700	33409	5/14/2015	102415	cpm	-0.88
728380.8	3949699	35202	5/14/2015	102416	cpm	0.26
728381.1	3949698	44320	5/14/2015	102417	cpm	6.03
728381.4	3949697	48760	5/14/2015	102418	cpm	8.84
728381.6	3949696	53110	5/14/2015	102419	cpm	11.60
728381.7	3949695	55667	5/14/2015	102420	cpm	13.22
728382	3949694	46346	5/14/2015	102421	cpm	7.32
728382.4	3949693	41496	5/14/2015	102422	cpm	4.24
728382.7	3949692	41544	5/14/2015	102423	cpm	4.27
728383.8	3949690	38556	5/14/2015	102425	cpm	2.38
728384.4	3949689	34629	5/14/2015	102426	cpm	-0.10
728385.1	3949688	33347	5/14/2015	102427	cpm	-0.92
728385.8	3949687	36056	5/14/2015	102428	cpm	0.80
728386.4	3949686	36224	5/14/2015	102429	cpm	0.91
728387	3949685	35276	5/14/2015	102430	cpm	0.31
728387.6	3949684	37244	5/14/2015	102431	cpm	1.55
728388.2	3949683	37520	5/14/2015	102432	cpm	1.73
728388.9	3949682	32810	5/14/2015	102433	cpm	-1.26
728389.5	3949681	31062	5/14/2015	102434	cpm	-2.36
728390.2	3949680	32605	5/14/2015	102435	cpm	-1.39
728390.7	3949679	36111	5/14/2015	102436	cpm	0.83
728391.2	3949678	34467	5/14/2015	102437	cpm	-0.21
728391.8	3949677	33997	5/14/2015	102438	cpm	-0.50
728392.9	3949675	34119	5/14/2015	102440	cpm	-0.43
728393.4	3949674	34749	5/14/2015	102441	cpm	-0.03

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) y = 1579.1x + 34794
728393.8	3949673	31697	5/14/2015	102442	cpm	-1.96
728394.5	3949672	32014	5/14/2015	102443	cpm	-1.76
728395.1	3949671	30923	5/14/2015	102444	cpm	-2.45
728395.8	3949670	30710	5/14/2015	102445	cpm	-2.59
728396.8	3949669	30689	5/14/2015	102447	cpm	-2.60
728397.1	3949668	30502	5/14/2015	102448	cpm	-2.72
728397.7	3949668	30785	5/14/2015	102449	cpm	-2.54
728398.8	3949669	32416	5/14/2015	102450	cpm	-1.51
728399.7	3949669	30214	5/14/2015	102451	cpm	-2.90
728400.5	3949669	29153	5/14/2015	102452	cpm	-3.57
728400.3	3949670	28738	5/14/2015	102453	cpm	-3.84
728399.9	3949671	29624	5/14/2015	102454	cpm	-3.27
728398.8	3949673	29636	5/14/2015	102456	cpm	-3.27
728398.5	3949674	31439	5/14/2015	102457	cpm	-2.12
728398.2	3949675	33989	5/14/2015	102458	cpm	-0.51
728397.7	3949676	35227	5/14/2015	102459	cpm	0.27
728397.2	3949677	37606	5/14/2015	102500	cpm	1.78
728396.7	3949678	37510	5/14/2015	102501	cpm	1.72
728395.6	3949680	33304	5/14/2015	102503	cpm	-0.94
728395.2	3949681	32746	5/14/2015	102504	cpm	-1.30
728394.9	3949682	33116	5/14/2015	102505	cpm	-1.06
728394.4	3949683	32429	5/14/2015	102506	cpm	-1.50
728393.8	3949684	32107	5/14/2015	102507	cpm	-1.70
728393.2	3949685	33946	5/14/2015	102508	cpm	-0.54
728392.7	3949686	35576	5/14/2015	102509	cpm	0.50
728391.7	3949688	37244	5/14/2015	102511	cpm	1.55
728391.2	3949689	33941	5/14/2015	102512	cpm	-0.54
728390.7	3949690	36415	5/14/2015	102513	cpm	1.03
728390.2	3949692	34663	5/14/2015	102514	cpm	-0.08
728389.7	3949693	39326	5/14/2015	102515	cpm	2.87
728389.1	3949694	40071	5/14/2015	102516	cpm	3.34
728388.6	3949695	40244	5/14/2015	102517	cpm	3.45
728388.1	3949696	37841	5/14/2015	102518	cpm	1.93
728387.5	3949697	43360	5/14/2015	102519	cpm	5.42
728387	3949698	41800	5/14/2015	102520	cpm	4.44
728386.5	3949699	40510	5/14/2015	102521	cpm	3.62
728386.1	3949700	41657	5/14/2015	102522	cpm	4.35
728385.7	3949701	41944	5/14/2015	102523	cpm	4.53
728385.1	3949702	39466	5/14/2015	102524	cpm	2.96
728384.1	3949704	39086	5/14/2015	102526	cpm	2.72
728383.6	3949705	32931	5/14/2015	102527	cpm	-1.18
728383.3	3949706	35503	5/14/2015	102528	cpm	0.45

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728382.9	3949707	35785	5/14/2015	102529	cpm	0.63
728382.5	3949708	30546	5/14/2015	102530	cpm	-2.69
728382.1	3949709	30004	5/14/2015	102531	cpm	-3.03
728381.5	3949710	29581	5/14/2015	102532	cpm	-3.30
728380.9	3949711	29625	5/14/2015	102533	cpm	-3.27
728380.4	3949712	35276	5/14/2015	102534	cpm	0.31
728380	3949714	34919	5/14/2015	102535	cpm	0.08
728379.4	3949714	32970	5/14/2015	102536	cpm	-1.16
728379	3949716	37042	5/14/2015	102537	cpm	1.42
728378.6	3949717	34040	5/14/2015	102538	cpm	-0.48
728377.7	3949719	33590	5/14/2015	102540	cpm	-0.76
728377.2	3949720	32367	5/14/2015	102541	cpm	-1.54
728376.8	3949721	35182	5/14/2015	102542	cpm	0.25
728376.3	3949722	36515	5/14/2015	102543	cpm	1.09
728375.8	3949723	35618	5/14/2015	102544	cpm	0.52
728375.2	3949724	37326	5/14/2015	102545	cpm	1.60
728374.1	3949726	31965	5/14/2015	102547	cpm	-1.79
728373.6	3949727	34001	5/14/2015	102548	cpm	-0.50
728373.1	3949728	32920	5/14/2015	102549	cpm	-1.19
728372.6	3949729	32980	5/14/2015	102550	cpm	-1.15
728372.3	3949730	31495	5/14/2015	102551	cpm	-2.09
728372.6	3949730	31543	5/14/2015	102552	cpm	-2.06
728373.3	3949731	33716	5/14/2015	102553	cpm	-0.68
728375	3949731	31139	5/14/2015	102555	cpm	-2.31
728375.7	3949731	30764	5/14/2015	102556	cpm	-2.55
728376.3	3949730	33551	5/14/2015	102557	cpm	-0.79
728376.9	3949729	30917	5/14/2015	102558	cpm	-2.46
728377.3	3949728	30169	5/14/2015	102559	cpm	-2.93
728377.7	3949727	34692	5/14/2015	102600	cpm	-0.06
728378.3	3949726	32790	5/14/2015	102601	cpm	-1.27
728378.9	3949725	32647	5/14/2015	102602	cpm	-1.36
728379.7	3949724	32702	5/14/2015	102603	cpm	-1.32
728380.6	3949723	33525	5/14/2015	102604	cpm	-0.80
728381.6	3949722	32291	5/14/2015	102605	cpm	-1.59
728382.4	3949722	33363	5/14/2015	102606	cpm	-0.91
728382.8	3949721	34770	5/14/2015	102607	cpm	-0.02
728383.2	3949720	33292	5/14/2015	102608	cpm	-0.95
728384.1	3949717	32413	5/14/2015	102610	cpm	-1.51
728384.6	3949716	34743	5/14/2015	102611	cpm	-0.03
728385.1	3949715	33255	5/14/2015	102612	cpm	-0.97
728385.5	3949714	32973	5/14/2015	102613	cpm	-1.15
728385.9	3949713	35783	5/14/2015	102614	cpm	0.63



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728386.3	3949712	34956	5/14/2015	102615	cpm	0.10
728386.6	3949711	33819	5/14/2015	102616	cpm	-0.62
728386.6	3949710	31558	5/14/2015	102617	cpm	-2.05
728386.8	3949709	31859	5/14/2015	102618	cpm	-1.86
728387.2	3949707	31785	5/14/2015	102619	cpm	-1.91
728387.7	3949706	34736	5/14/2015	102620	cpm	-0.04
728388.2	3949705	36374	5/14/2015	102621	cpm	1.00
728388.8	3949704	37143	5/14/2015	102622	cpm	1.49
728389.3	3949703	36975	5/14/2015	102623	cpm	1.38
728389.9	3949702	37833	5/14/2015	102624	cpm	1.92
728391	3949700	41468	5/14/2015	102626	cpm	4.23
728391.6	3949699	39017	5/14/2015	102627	cpm	2.67
728392.2	3949698	38614	5/14/2015	102628	cpm	2.42
728392.7	3949697	39713	5/14/2015	102629	cpm	3.12
728393.3	3949696	36448	5/14/2015	102630	cpm	1.05
728393.7	3949695	37903	5/14/2015	102631	cpm	1.97
728394.1	3949693	38005	5/14/2015	102632	cpm	2.03
728394.6	3949692	37731	5/14/2015	102633	cpm	1.86
728395.1	3949691	35052	5/14/2015	102634	cpm	0.16
728395.5	3949690	34713	5/14/2015	102635	cpm	-0.05
728396	3949689	37328	5/14/2015	102636	cpm	1.60
728396.4	3949688	40082	5/14/2015	102637	cpm	3.35
728396.9	3949686	33570	5/14/2015	102638	cpm	-0.78
728398	3949684	36772	5/14/2015	102640	cpm	1.25
728398.3	3949683	35413	5/14/2015	102641	cpm	0.39
728398.8	3949682	35643	5/14/2015	102642	cpm	0.54
728399.4	3949681	36690	5/14/2015	102643	cpm	1.20
728400	3949680	34882	5/14/2015	102644	cpm	0.06
728400.5	3949679	35007	5/14/2015	102645	cpm	0.13
728401	3949678	30772	5/14/2015	102646	cpm	-2.55
728401.5	3949677	30763	5/14/2015	102647	cpm	-2.55
728402	3949676	29860	5/14/2015	102648	cpm	-3.12
728402.6	3949675	30715	5/14/2015	102649	cpm	-2.58
728402.8	3949674	31348	5/14/2015	102650	cpm	-2.18
728403.3	3949674	31327	5/14/2015	102651	cpm	-2.20
728404.2	3949676	32821	5/14/2015	102653	cpm	-1.25
728405.1	3949676	32565	5/14/2015	102654	cpm	-1.41
728406.1	3949676	31091	5/14/2015	102655	cpm	-2.35
728406.7	3949677	30033	5/14/2015	102656	cpm	-3.02
728406.6	3949678	32402	5/14/2015	102657	cpm	-1.51
728405.9	3949680	32430	5/14/2015	102659	cpm	-1.50
728405.5	3949681	34327	5/14/2015	102700	cpm	-0.30

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728405.1	3949682	36452	5/14/2015	102701	cpm	1.05
728404.6	3949683	33623	5/14/2015	102702	cpm	-0.74
728404	3949684	34625	5/14/2015	102703	cpm	-0.11
728403.4	3949685	37366	5/14/2015	102704	cpm	1.63
728402.9	3949686	36461	5/14/2015	102705	cpm	1.06
728401.9	3949688	33265	5/14/2015	102707	cpm	-0.97
728401.4	3949689	33156	5/14/2015	102708	cpm	-1.04
728400.8	3949690	33009	5/14/2015	102709	cpm	-1.13
728400.2	3949691	35492	5/14/2015	102710	cpm	0.44
728399.7	3949692	35788	5/14/2015	102711	cpm	0.63
728399.1	3949693	34717	5/14/2015	102712	cpm	-0.05
728398.6	3949694	38109	5/14/2015	102713	cpm	2.10
728398.2	3949695	36827	5/14/2015	102714	cpm	1.29
728397.7	3949696	39386	5/14/2015	102715	cpm	2.91
728397.1	3949697	38466	5/14/2015	102716	cpm	2.33
728396.5	3949698	42886	5/14/2015	102717	cpm	5.12
728395.3	3949700	38861	5/14/2015	102719	cpm	2.58
728394.9	3949702	40135	5/14/2015	102720	cpm	3.38
728394.6	3949703	40124	5/14/2015	102721	cpm	3.38
728394.3	3949704	38861	5/14/2015	102722	cpm	2.58
728393.8	3949705	38301	5/14/2015	102723	cpm	2.22
728392.8	3949707	40546	5/14/2015	102725	cpm	3.64
728392.2	3949708	35486	5/14/2015	102726	cpm	0.44
728391.6	3949709	34191	5/14/2015	102727	cpm	-0.38
728391.1	3949710	32458	5/14/2015	102728	cpm	-1.48
728390.6	3949711	37334	5/14/2015	102729	cpm	1.61
728390	3949712	34023	5/14/2015	102730	cpm	-0.49
728388.8	3949715	34095	5/14/2015	102732	cpm	-0.44
728387.7	3949717	32813	5/14/2015	102734	cpm	-1.25
728387.6	3949718	33223	5/14/2015	102735	cpm	-0.99
728387.4	3949719	31196	5/14/2015	102736	cpm	-2.28
728386.8	3949720	31019	5/14/2015	102737	cpm	-2.39
728385.3	3949721	35643	5/14/2015	102739	cpm	0.54
728384.8	3949722	36540	5/14/2015	102740	cpm	1.11
728384.5	3949723	34425	5/14/2015	102741	cpm	-0.23
728384.2	3949724	34196	5/14/2015	102742	cpm	-0.38
728383.7	3949725	36119	5/14/2015	102743	cpm	0.84
728383	3949726	33030	5/14/2015	102744	cpm	-1.12
728382.3	3949728	31867	5/14/2015	102746	cpm	-1.85
728381.6	3949729	31096	5/14/2015	102747	cpm	-2.34
728381.2	3949729	33664	5/14/2015	102748	cpm	-0.72
728380.8	3949730	35236	5/14/2015	102749	cpm	0.28

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728380.3	3949730	33979	5/14/2015	102750	cpm	-0.52
728379.8	3949731	32648	5/14/2015	102751	cpm	-1.36
728380.1	3949732	30122	5/14/2015	102752	cpm	-2.96
728380.3	3949733	33210	5/14/2015	102753	cpm	-1.00
728380.5	3949733	31702	5/14/2015	102754	cpm	-1.96
728381.2	3949734	32285	5/14/2015	102755	cpm	-1.59
728382	3949734	33601	5/14/2015	102756	cpm	-0.76
728382.9	3949734	33360	5/14/2015	102757	cpm	-0.91
728384.4	3949732	29610	5/14/2015	102759	cpm	-3.28
728385.1	3949731	32812	5/14/2015	102800	cpm	-1.26
728385.9	3949730	30673	5/14/2015	102801	cpm	-2.61
728386.6	3949730	32478	5/14/2015	102802	cpm	-1.47
728387.4	3949729	33424	5/14/2015	102803	cpm	-0.87
728387.9	3949728	31984	5/14/2015	102805	cpm	-1.78
728388.5	3949727	31306	5/14/2015	102806	cpm	-2.21
728389.2	3949726	32696	5/14/2015	102807	cpm	-1.33
728389.8	3949726	30644	5/14/2015	102808	cpm	-2.63
728390.4	3949725	31031	5/14/2015	102809	cpm	-2.38
728391	3949724	32447	5/14/2015	102810	cpm	-1.49
728391.5	3949723	34421	5/14/2015	102811	cpm	-0.24
728392.5	3949721	34105	5/14/2015	102813	cpm	-0.44
728392.9	3949720	37626	5/14/2015	102814	cpm	1.79
728393.4	3949719	37306	5/14/2015	102815	cpm	1.59
728393.8	3949718	33026	5/14/2015	102816	cpm	-1.12
728394	3949717	32491	5/14/2015	102817	cpm	-1.46
728394.3	3949716	33832	5/14/2015	102818	cpm	-0.61
728394.7	3949715	36778	5/14/2015	102819	cpm	1.26
728395.2	3949714	35264	5/14/2015	102820	cpm	0.30
728395.8	3949713	38426	5/14/2015	102821	cpm	2.30
728396.2	3949712	42726	5/14/2015	102822	cpm	5.02
728396.5	3949711	44281	5/14/2015	102823	cpm	6.01
728397	3949710	38880	5/14/2015	102824	cpm	2.59
728398.1	3949708	35310	5/14/2015	102826	cpm	0.33
728398.6	3949707	33487	5/14/2015	102827	cpm	-0.83
728398.9	3949706	34682	5/14/2015	102828	cpm	-0.07
728399.3	3949705	38430	5/14/2015	102829	cpm	2.30
728399.6	3949704	33217	5/14/2015	102830	cpm	-1.00
728399.9	3949703	34633	5/14/2015	102831	cpm	-0.10
728400.2	3949702	32538	5/14/2015	102832	cpm	-1.43
728400.5	3949700	35644	5/14/2015	102833	cpm	0.54
728400.7	3949699	37381	5/14/2015	102834	cpm	1.64
728401.2	3949698	32685	5/14/2015	102835	cpm	-1.34

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728401.5	3949697	33671	5/14/2015	102836	cpm	-0.71
728402.5	3949695	32628	5/14/2015	102838	cpm	-1.37
728403	3949694	37287	5/14/2015	102839	cpm	1.58
728403.5	3949693	39441	5/14/2015	102840	cpm	2.94
728403.9	3949692	35480	5/14/2015	102841	cpm	0.43
728404.4	3949690	35960	5/14/2015	102842	cpm	0.74
728404.8	3949689	33830	5/14/2015	102843	cpm	-0.61
728405.1	3949688	33747	5/14/2015	102844	cpm	-0.66
728405.4	3949687	33037	5/14/2015	102845	cpm	-1.11
728405.9	3949686	35169	5/14/2015	102846	cpm	0.24
728406.3	3949685	33842	5/14/2015	102847	cpm	-0.60
728406.6	3949684	35310	5/14/2015	102848	cpm	0.33
728407.8	3949682	33427	5/14/2015	102850	cpm	-0.87
728408.3	3949681	32777	5/14/2015	102851	cpm	-1.28
728408.9	3949679	30874	5/14/2015	102852	cpm	-2.48
728409.5	3949678	29648	5/14/2015	102853	cpm	-3.26
728410.1	3949677	32102	5/14/2015	102854	cpm	-1.70
728410.8	3949676	29478	5/14/2015	102855	cpm	-3.37
728411.4	3949675	29119	5/14/2015	102856	cpm	-3.59
728412.1	3949674	28550	5/14/2015	102857	cpm	-3.95
728413.1	3949674	27447	5/14/2015	102858	cpm	-4.65
728414	3949673	29092	5/14/2015	102859	cpm	-3.61
728414.7	3949674	29023	5/14/2015	102900	cpm	-3.65
728415.1	3949675	30175	5/14/2015	102902	cpm	-2.93
728414.8	3949676	28634	5/14/2015	102903	cpm	-3.90
728414.4	3949678	30438	5/14/2015	102904	cpm	-2.76
728413.9	3949679	30379	5/14/2015	102905	cpm	-2.80
728413.5	3949680	29446	5/14/2015	102906	cpm	-3.39
728413.1	3949681	30161	5/14/2015	102907	cpm	-2.93
728412.8	3949682	30550	5/14/2015	102908	cpm	-2.69
728412.3	3949683	33107	5/14/2015	102909	cpm	-1.07
728411.7	3949684	31976	5/14/2015	102910	cpm	-1.78
728411.2	3949685	30404	5/14/2015	102911	cpm	-2.78
728410.7	3949686	30701	5/14/2015	102912	cpm	-2.59
728409.6	3949688	33085	5/14/2015	102914	cpm	-1.08
728409.1	3949689	31161	5/14/2015	102915	cpm	-2.30
728408.5	3949690	31070	5/14/2015	102916	cpm	-2.36
728408	3949692	31137	5/14/2015	102917	cpm	-2.32
728407.3	3949693	33494	5/14/2015	102918	cpm	-0.82
728406.7	3949694	35445	5/14/2015	102919	cpm	0.41
728406.1	3949695	34361	5/14/2015	102920	cpm	-0.27
728405.4	3949696	31150	5/14/2015	102921	cpm	-2.31

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728404.7	3949697	32747	5/14/2015	102922	cpm	-1.30
728404.1	3949698	33533	5/14/2015	102923	cpm	-0.80
728403.5	3949699	32556	5/14/2015	102924	cpm	-1.42
728403	3949700	36879	5/14/2015	102925	cpm	1.32
728402.7	3949701	36489	5/14/2015	102926	cpm	1.07
728402.5	3949704	33932	5/14/2015	102928	cpm	-0.55
728401.9	3949705	37253	5/14/2015	102929	cpm	1.56
728401.2	3949706	40843	5/14/2015	102930	cpm	3.83
728400.7	3949707	37310	5/14/2015	102931	cpm	1.59
728399.7	3949709	35936	5/14/2015	102933	cpm	0.72
728399.2	3949710	39644	5/14/2015	102934	cpm	3.07
728398.8	3949712	43301	5/14/2015	102935	cpm	5.39
728398.5	3949713	43045	5/14/2015	102936	cpm	5.23
728398.2	3949714	36651	5/14/2015	102937	cpm	1.18
728397.9	3949715	38592	5/14/2015	102938	cpm	2.41
728397.5	3949718	38028	5/14/2015	102940	cpm	2.05
728397.4	3949719	38217	5/14/2015	102941	cpm	2.17
728396.8	3949720	35834	5/14/2015	102942	cpm	0.66
728396	3949721	32358	5/14/2015	102943	cpm	-1.54
728395.3	3949722	31639	5/14/2015	102944	cpm	-2.00
728394.9	3949723	33200	5/14/2015	102945	cpm	-1.01
728394.1	3949724	31820	5/14/2015	102946	cpm	-1.88
728393.5	3949725	30875	5/14/2015	102947	cpm	-2.48
728392.7	3949725	31628	5/14/2015	102948	cpm	-2.00
728392.2	3949726	32147	5/14/2015	102949	cpm	-1.68
728391.7	3949727	34076	5/14/2015	102950	cpm	-0.45
728391	3949728	31649	5/14/2015	102951	cpm	-1.99
728389.9	3949730	33412	5/14/2015	102953	cpm	-0.88
728389.4	3949731	31513	5/14/2015	102954	cpm	-2.08
728389.1	3949732	30648	5/14/2015	102955	cpm	-2.63
728389.3	3949733	29622	5/14/2015	102956	cpm	-3.28
728389.9	3949733	32594	5/14/2015	102957	cpm	-1.39
728390.9	3949734	31338	5/14/2015	102958	cpm	-2.19
728391.8	3949734	31324	5/14/2015	102959	cpm	-2.20
728392.5	3949734	33061	5/14/2015	103000	cpm	-1.10
728392.7	3949734	31725	5/14/2015	103001	cpm	-1.94
728393	3949734	31961	5/14/2015	103002	cpm	-1.79
728393.6	3949733	35200	5/14/2015	103003	cpm	0.26
728394.8	3949731	32110	5/14/2015	103005	cpm	-1.70
728395.3	3949730	33227	5/14/2015	103006	cpm	-0.99
728395.9	3949729	35336	5/14/2015	103007	cpm	0.34
728396.5	3949728	31784	5/14/2015	103008	cpm	-1.91

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728397.1	3949727	31491	5/14/2015	103009	cpm	-2.09
728397.9	3949726	32592	5/14/2015	103010	cpm	-1.39
728398.6	3949725	32538	5/14/2015	103011	cpm	-1.43
728399.4	3949724	32014	5/14/2015	103012	cpm	-1.76
728400.2	3949723	31343	5/14/2015	103013	cpm	-2.19
728400.8	3949722	30966	5/14/2015	103014	cpm	-2.42
728401.5	3949721	29131	5/14/2015	103015	cpm	-3.59
728402.9	3949719	29212	5/14/2015	103017	cpm	-3.53
728403.7	3949718	31033	5/14/2015	103018	cpm	-2.38
728404.4	3949717	34548	5/14/2015	103019	cpm	-0.16
728405	3949716	37317	5/14/2015	103020	cpm	1.60
728405.5	3949715	42450	5/14/2015	103021	cpm	4.85
728406.2	3949714	33592	5/14/2015	103022	cpm	-0.76
728406.9	3949713	31168	5/14/2015	103023	cpm	-2.30
728407.7	3949712	31702	5/14/2015	103024	cpm	-1.96
728408.5	3949711	33005	5/14/2015	103025	cpm	-1.13
728409.1	3949710	31741	5/14/2015	103026	cpm	-1.93
728409.8	3949709	29535	5/14/2015	103027	cpm	-3.33
728411.1	3949707	29283	5/14/2015	103029	cpm	-3.49
728411.7	3949706	28201	5/14/2015	103030	cpm	-4.18
728412.2	3949705	29220	5/14/2015	103031	cpm	-3.53
728412.6	3949704	31635	5/14/2015	103032	cpm	-2.00
728413	3949703	31759	5/14/2015	103033	cpm	-1.92
728413.2	3949702	32090	5/14/2015	103034	cpm	-1.71
728413.3	3949702	30882	5/14/2015	103035	cpm	-2.48
728413.3	3949702	30730	5/14/2015	103036	cpm	-2.57
728413.3	3949702	33392	5/14/2015	103037	cpm	-0.89
728413.3	3949702	32378	5/14/2015	103038	cpm	-1.53
728413.3	3949702	33654	5/14/2015	103039	cpm	-0.72
728413.3	3949702	30763	5/14/2015	103041	cpm	-2.55
728413.3	3949702	28871	5/14/2015	103042	cpm	-3.75
728413.3	3949702	30707	5/14/2015	103043	cpm	-2.59
728413.3	3949702	31166	5/14/2015	103044	cpm	-2.30
728413.3	3949702	33515	5/14/2015	103045	cpm	-0.81
728413.3	3949702	29888	5/14/2015	103046	cpm	-3.11
728413.4	3949702	35672	5/14/2015	103047	cpm	0.56
728413.8	3949701	32738	5/14/2015	103048	cpm	-1.30
728414.3	3949700	35544	5/14/2015	103049	cpm	0.47
728414.8	3949699	32916	5/14/2015	103050	cpm	-1.19
728415.3	3949698	34539	5/14/2015	103051	cpm	-0.16
728416.3	3949696	30504	5/14/2015	103053	cpm	-2.72
728416.8	3949694	31206	5/14/2015	103054	cpm	-2.27

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728417.3	3949693	33691	5/14/2015	103055	cpm	-0.70
728417.8	3949692	34912	5/14/2015	103056	cpm	0.07
728418.2	3949691	31034	5/14/2015	103057	cpm	-2.38
728418.7	3949689	30948	5/14/2015	103058	cpm	-2.44
728418.8	3949688	31107	5/14/2015	103059	cpm	-2.33
728418.9	3949687	27996	5/14/2015	103100	cpm	-4.30
728419.2	3949686	29979	5/14/2015	103101	cpm	-3.05
728419.4	3949685	30414	5/14/2015	103102	cpm	-2.77
728419.6	3949683	28813	5/14/2015	103103	cpm	-3.79
728418.4	3949683	30243	5/14/2015	103105	cpm	-2.88
728417.6	3949682	30570	5/14/2015	103106	cpm	-2.67
728416.9	3949683	28582	5/14/2015	103107	cpm	-3.93
728416.5	3949684	31595	5/14/2015	103108	cpm	-2.03
728416.1	3949685	27962	5/14/2015	103109	cpm	-4.33
728415.8	3949686	32220	5/14/2015	103110	cpm	-1.63
728415.5	3949686	31065	5/14/2015	103111	cpm	-2.36
728415.1	3949687	31766	5/14/2015	103112	cpm	-1.92
728414.4	3949688	30261	5/14/2015	103113	cpm	-2.87
728414	3949689	28925	5/14/2015	103114	cpm	-3.72
728413.3	3949690	25651	5/14/2015	103115	cpm	-5.79
728412.3	3949691	29602	5/14/2015	103117	cpm	-3.29
728411.8	3949693	29510	5/14/2015	103118	cpm	-3.35
728411.4	3949694	33567	5/14/2015	103119	cpm	-0.78
728410.8	3949695	33202	5/14/2015	103120	cpm	-1.01
728410.2	3949695	30995	5/14/2015	103121	cpm	-2.41
728409.6	3949696	33818	5/14/2015	103122	cpm	-0.62
728409.1	3949697	35274	5/14/2015	103123	cpm	0.30
728408.6	3949698	34138	5/14/2015	103124	cpm	-0.42
728408.3	3949699	35114	5/14/2015	103125	cpm	0.20
728407.9	3949700	30978	5/14/2015	103126	cpm	-2.42
728407	3949702	33424	5/14/2015	103128	cpm	-0.87
728406.5	3949704	33466	5/14/2015	103129	cpm	-0.84
728406	3949705	36386	5/14/2015	103130	cpm	1.01
728405.5	3949706	28936	5/14/2015	103131	cpm	-3.71
728404.5	3949708	29446	5/14/2015	103133	cpm	-3.39
728404	3949709	32411	5/14/2015	103134	cpm	-1.51
728403.4	3949710	32343	5/14/2015	103135	cpm	-1.55
728403	3949711	31845	5/14/2015	103136	cpm	-1.87
728402.6	3949712	36581	5/14/2015	103137	cpm	1.13
728402.1	3949713	39835	5/14/2015	103138	cpm	3.19
728401.5	3949714	37229	5/14/2015	103139	cpm	1.54
728400.9	3949715	37357	5/14/2015	103140	cpm	1.62

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728399.8	3949717	35589	5/14/2015	103142	cpm	0.50
728399.4	3949718	30827	5/14/2015	103143	cpm	-2.51
728398.9	3949719	30056	5/14/2015	103144	cpm	-3.00
728398.3	3949720	30854	5/14/2015	103145	cpm	-2.50
728397.7	3949721	30423	5/14/2015	103146	cpm	-2.77
728397.3	3949722	28766	5/14/2015	103147	cpm	-3.82
728396.8	3949723	29781	5/14/2015	103148	cpm	-3.17
728396.3	3949724	33965	5/14/2015	103149	cpm	-0.52
728395.9	3949725	33631	5/14/2015	103150	cpm	-0.74
728395.5	3949726	35857	5/14/2015	103151	cpm	0.67
728394.9	3949727	34134	5/14/2015	103152	cpm	-0.42
728394.5	3949728	29563	5/14/2015	103153	cpm	-3.31
728393.8	3949730	31331	5/14/2015	103155	cpm	-2.19
728393.2	3949731	35672	5/14/2015	103156	cpm	0.56
728392.5	3949732	34538	5/14/2015	103157	cpm	-0.16
728392	3949733	34644	5/14/2015	103158	cpm	-0.09
728391.6	3949734	32450	5/14/2015	103159	cpm	-1.48
728391.9	3949735	30372	5/14/2015	103200	cpm	-2.80
728392.6	3949736	29943	5/14/2015	103201	cpm	-3.07
728393.5	3949736	30675	5/14/2015	103202	cpm	-2.61
728394.4	3949737	28578	5/14/2015	103203	cpm	-3.94
728395.2	3949738	33064	5/14/2015	103204	cpm	-1.10
728396.2	3949738	33376	5/14/2015	103205	cpm	-0.90
728397.9	3949737	33514	5/14/2015	103207	cpm	-0.81
728398.5	3949736	30128	5/14/2015	103208	cpm	-2.95
728399.2	3949735	33272	5/14/2015	103209	cpm	-0.96
728399.8	3949734	30968	5/14/2015	103210	cpm	-2.42
728400.3	3949733	30698	5/14/2015	103211	cpm	-2.59
728400.9	3949732	31644	5/14/2015	103212	cpm	-1.99
728401.5	3949731	30651	5/14/2015	103213	cpm	-2.62
728402	3949730	29022	5/14/2015	103214	cpm	-3.66
728402.5	3949729	31015	5/14/2015	103215	cpm	-2.39
728403.2	3949728	31364	5/14/2015	103216	cpm	-2.17
728404	3949727	30581	5/14/2015	103217	cpm	-2.67
728404.8	3949726	31165	5/14/2015	103218	cpm	-2.30
728405.5	3949724	31911	5/14/2015	103220	cpm	-1.83
728405.9	3949723	31287	5/14/2015	103221	cpm	-2.22
728406.4	3949722	31732	5/14/2015	103222	cpm	-1.94
728407	3949721	33895	5/14/2015	103223	cpm	-0.57
728408.3	3949719	33333	5/14/2015	103225	cpm	-0.93
728408.9	3949718	32363	5/14/2015	103226	cpm	-1.54
728409.5	3949717	31130	5/14/2015	103227	cpm	-2.32



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728410	3949716	32772	5/14/2015	103228	cpm	-1.28
728410.5	3949715	31113	5/14/2015	103229	cpm	-2.33
728410.9	3949714	29528	5/14/2015	103230	cpm	-3.33
728411.7	3949711	33002	5/14/2015	103232	cpm	-1.13
728412	3949710	29850	5/14/2015	103233	cpm	-3.13
728412.4	3949709	34102	5/14/2015	103234	cpm	-0.44
728412.6	3949708	32056	5/14/2015	103235	cpm	-1.73
728413.3	3949705	32686	5/14/2015	103237	cpm	-1.33
728413.5	3949704	30431	5/14/2015	103238	cpm	-2.76
728413.9	3949703	31608	5/14/2015	103239	cpm	-2.02
728414.6	3949702	31782	5/14/2015	103240	cpm	-1.91
728415.1	3949701	29635	5/14/2015	103241	cpm	-3.27
728415.5	3949699	32699	5/14/2015	103242	cpm	-1.33
728415.9	3949698	33554	5/14/2015	103243	cpm	-0.79
728416.5	3949696	34338	5/14/2015	103245	cpm	-0.29
728416.1	3949695	31504	5/14/2015	103246	cpm	-2.08
728415.2	3949695	30766	5/14/2015	103247	cpm	-2.55
728414.2	3949694	30551	5/14/2015	103248	cpm	-2.69
728413.4	3949694	31347	5/14/2015	103249	cpm	-2.18
728413	3949694	29736	5/14/2015	103250	cpm	-3.20
728412.4	3949695	28674	5/14/2015	103251	cpm	-3.88
728411.9	3949696	29308	5/14/2015	103252	cpm	-3.47
728411.2	3949698	31717	5/14/2015	103253	cpm	-1.95
728410.4	3949699	32409	5/14/2015	103254	cpm	-1.51
728409.8	3949700	32942	5/14/2015	103255	cpm	-1.17
728408.4	3949702	31575	5/14/2015	103257	cpm	-2.04
728407.8	3949703	31473	5/14/2015	103258	cpm	-2.10
728407.1	3949704	30758	5/14/2015	103259	cpm	-2.56
728406.5	3949706	29589	5/14/2015	103300	cpm	-3.30
728405.7	3949707	27866	5/14/2015	103301	cpm	-4.39
728405.1	3949708	31206	5/14/2015	103302	cpm	-2.27
728404.5	3949709	30271	5/14/2015	103303	cpm	-2.86
728403.8	3949710	33697	5/14/2015	103304	cpm	-0.69
728403.1	3949711	34854	5/14/2015	103305	cpm	0.04
728402.4	3949713	43603	5/14/2015	103306	cpm	5.58
728401.7	3949714	36401	5/14/2015	103307	cpm	1.02
728400.4	3949716	34750	5/14/2015	103309	cpm	-0.03
728399.7	3949717	31847	5/14/2015	103310	cpm	-1.87
728398.9	3949718	33311	5/14/2015	103311	cpm	-0.94
728398.4	3949719	34354	5/14/2015	103312	cpm	-0.28
728397.5	3949720	30338	5/14/2015	103313	cpm	-2.82
728396.4	3949720	32964	5/14/2015	103314	cpm	-1.16

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728395.4	3949720	29121	5/14/2015	103315	cpm	-3.59
728394.5	3949719	31190	5/14/2015	103316	cpm	-2.28
728393.5	3949718	29367	5/14/2015	103317	cpm	-3.44
728392.8	3949717	33892	5/14/2015	103318	cpm	-0.57
728390.8	3949716	33133	5/14/2015	103320	cpm	-1.05
728389.5	3949715	36123	5/14/2015	103321	cpm	0.84
728388.2	3949715	34021	5/14/2015	103322	cpm	-0.49
728387	3949715	34022	5/14/2015	103323	cpm	-0.49
728384.8	3949714	34143	5/14/2015	103325	cpm	-0.41
728383.6	3949713	32176	5/14/2015	103326	cpm	-1.66
728382.3	3949713	30334	5/14/2015	103327	cpm	-2.82
728381	3949712	30953	5/14/2015	103328	cpm	-2.43
728379.6	3949712	31438	5/14/2015	103329	cpm	-2.13
728378.1	3949713	30299	5/14/2015	103330	cpm	-2.85
728376.8	3949713	32325	5/14/2015	103331	cpm	-1.56
728374.4	3949713	30731	5/14/2015	103333	cpm	-2.57
728373.3	3949714	32252	5/14/2015	103334	cpm	-1.61
728372.7	3949714	29573	5/14/2015	103335	cpm	-3.31
728372.5	3949714	32173	5/14/2015	103336	cpm	-1.66
728372.5	3949714	34013	5/14/2015	103337	cpm	-0.49
728372.5	3949714	31873	5/14/2015	103338	cpm	-1.85
728372.6	3949714	31098	5/14/2015	103339	cpm	-2.34
728372.6	3949714	35284	5/14/2015	103340	cpm	0.31
728372.5	3949714	30721	5/14/2015	103341	cpm	-2.58
728372.5	3949714	28950	5/14/2015	103342	cpm	-3.70
728372.6	3949714	32317	5/14/2015	103343	cpm	-1.57
728372.6	3949714	31779	5/14/2015	103345	cpm	-1.91
728372.6	3949714	32215	5/14/2015	103346	cpm	-1.63
728372.6	3949714	31243	5/14/2015	103347	cpm	-2.25
728372.6	3949714	30131	5/14/2015	103348	cpm	-2.95
728372.6	3949714	33585	5/14/2015	103349	cpm	-0.77
728372.6	3949714	32666	5/14/2015	103350	cpm	-1.35
728372.6	3949714	33966	5/14/2015	103351	cpm	-0.52
728372.6	3949714	32311	5/14/2015	103352	cpm	-1.57
728372.6	3949714	31297	5/14/2015	103353	cpm	-2.21
728372.5	3949714	33624	5/14/2015	103354	cpm	-0.74
728372.6	3949714	34716	5/14/2015	103356	cpm	-0.05
728372.5	3949714	33309	5/14/2015	103357	cpm	-0.94
728372.5	3949714	32207	5/14/2015	103358	cpm	-1.64
728372.5	3949714	31563	5/14/2015	103359	cpm	-2.05
728372.5	3949714	30780	5/14/2015	103400	cpm	-2.54
728372.4	3949714	31485	5/14/2015	103401	cpm	-2.10

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728372.3	3949714	30671	5/14/2015	103402	cpm	-2.61
728372.3	3949714	33048	5/14/2015	103403	cpm	-1.11
728372.2	3949714	33222	5/14/2015	103404	cpm	-1.00
728372.3	3949714	32785	5/14/2015	103405	cpm	-1.27
728371.6	3949713	33366	5/14/2015	103407	cpm	-0.90
728371.5	3949713	34021	5/14/2015	103408	cpm	-0.49
728371.5	3949713	37095	5/14/2015	103409	cpm	1.46
728371.5	3949713	36873	5/14/2015	103410	cpm	1.32
728371.5	3949713	32987	5/14/2015	103411	cpm	-1.14
728371.6	3949713	36236	5/14/2015	103412	cpm	0.91
728371.6	3949713	30539	5/14/2015	103413	cpm	-2.69
728371.6	3949713	32625	5/14/2015	103414	cpm	-1.37
728371.8	3949713	32336	5/14/2015	103415	cpm	-1.56
728371.8	3949713	31964	5/14/2015	103416	cpm	-1.79
728372.2	3949713	33131	5/14/2015	103418	cpm	-1.05
728372.1	3949713	34142	5/14/2015	103419	cpm	-0.41
728372.1	3949713	33105	5/14/2015	103420	cpm	-1.07
728372.2	3949713	31694	5/14/2015	103421	cpm	-1.96
728372.1	3949713	30213	5/14/2015	103422	cpm	-2.90
728372.3	3949713	34853	5/14/2015	103423	cpm	0.04
728372.4	3949713	33073	5/14/2015	103424	cpm	-1.09
728372.3	3949713	33648	5/14/2015	103425	cpm	-0.73
728372.4	3949713	34632	5/14/2015	103426	cpm	-0.10
728372.4	3949713	36258	5/14/2015	103428	cpm	0.93
728372.4	3949713	36214	5/14/2015	103429	cpm	0.90
728372.4	3949713	35363	5/14/2015	103430	cpm	0.36
728372.3	3949713	31842	5/14/2015	103431	cpm	-1.87
728372.5	3949714	30962	5/14/2015	103433	cpm	-2.43
728372.4	3949713	32310	5/14/2015	103434	cpm	-1.57
728372.9	3949714	32287	5/14/2015	103435	cpm	-1.59
728373.2	3949714	31412	5/14/2015	103436	cpm	-2.14
728373.3	3949714	30346	5/14/2015	103437	cpm	-2.82
728373.1	3949715	30793	5/14/2015	103438	cpm	-2.53
728373.2	3949715	34368	5/14/2015	103440	cpm	-0.27
728373.2	3949715	31375	5/14/2015	103442	cpm	-2.17
728373.3	3949715	34833	5/14/2015	103443	cpm	0.02
728373.2	3949715	32237	5/14/2015	103445	cpm	-1.62
728373.2	3949715	32929	5/14/2015	103446	cpm	-1.18
728373.2	3949715	31062	5/14/2015	103447	cpm	-2.36
728373.2	3949715	29785	5/14/2015	103448	cpm	-3.17
728373.2	3949715	30606	5/14/2015	103449	cpm	-2.65
728373.2	3949715	30241	5/14/2015	103450	cpm	-2.88

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728373.1	3949715	30090	5/14/2015	103451	cpm	-2.98
728373.2	3949715	33832	5/14/2015	103453	cpm	-0.61
728373.2	3949715	35878	5/14/2015	103454	cpm	0.69
728373.2	3949715	32880	5/14/2015	103455	cpm	-1.21
728373.2	3949715	33547	5/14/2015	103457	cpm	-0.79
728373.2	3949715	31936	5/14/2015	103458	cpm	-1.81
728373.2	3949715	30874	5/14/2015	103459	cpm	-2.48
728373.2	3949715	31208	5/14/2015	103500	cpm	-2.27
728373.2	3949715	31772	5/14/2015	103501	cpm	-1.91
728373.1	3949715	29873	5/14/2015	103502	cpm	-3.12
728373.1	3949715	35728	5/14/2015	103504	cpm	0.59
728373.2	3949715	32272	5/14/2015	103505	cpm	-1.60
728373.2	3949715	33058	5/14/2015	103506	cpm	-1.10
728373.2	3949715	35943	5/14/2015	103507	cpm	0.73
728373.2	3949715	31755	5/14/2015	103508	cpm	-1.92
728373.2	3949715	31758	5/14/2015	103509	cpm	-1.92
728373.2	3949715	30259	5/14/2015	103510	cpm	-2.87
728373.2	3949714	32015	5/14/2015	103511	cpm	-1.76
728383.8	3949669	44099	5/14/2015	105505	cpm	5.89
728383.8	3949669	51585	5/14/2015	105506	cpm	10.63
728383.8	3949669	49196	5/14/2015	105507	cpm	9.12
728383.9	3949669	45412	5/14/2015	105509	cpm	6.72
728383.9	3949669	44088	5/14/2015	105511	cpm	5.89
728383.8	3949669	45048	5/14/2015	105513	cpm	6.49
728383.9	3949669	43392	5/14/2015	105514	cpm	5.44
728384.1	3949668	44838	5/14/2015	105515	cpm	6.36
728384.2	3949668	48139	5/14/2015	105516	cpm	8.45
728384.4	3949667	43744	5/14/2015	105517	cpm	5.67
728384.4	3949667	41236	5/14/2015	105518	cpm	4.08
728384.7	3949667	46969	5/14/2015	105519	cpm	7.71
728385.2	3949666	47262	5/14/2015	105521	cpm	7.90
728385.8	3949666	42955	5/14/2015	105522	cpm	5.17
728386.4	3949666	40979	5/14/2015	105523	cpm	3.92
728387	3949666	33855	5/14/2015	105524	cpm	-0.59
728387.4	3949666	38463	5/14/2015	105525	cpm	2.32
728387.7	3949666	39555	5/14/2015	105526	cpm	3.02
728387.4	3949665	36738	5/14/2015	105527	cpm	1.23
728387.6	3949665	40354	5/14/2015	105528	cpm	3.52
728387.7	3949665	39878	5/14/2015	105529	cpm	3.22
728387.8	3949664	42669	5/14/2015	105531	cpm	4.99
728387.8	3949663	42467	5/14/2015	105532	cpm	4.86
728387.9	3949663	41009	5/14/2015	105533	cpm	3.94

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) y = 1579.1x + 34794
728387.8	3949663	40792	5/14/2015	105534	cpm	3.80
728387.8	3949663	40978	5/14/2015	105535	cpm	3.92
728387.8	3949663	38354	5/14/2015	105536	cpm	2.25
728387.9	3949663	37098	5/14/2015	105537	cpm	1.46
728387.9	3949663	36874	5/14/2015	105538	cpm	1.32
728388	3949662	31808	5/14/2015	105539	cpm	-1.89
728388.6	3949661	30872	5/14/2015	105541	cpm	-2.48
728389	3949661	30531	5/14/2015	105543	cpm	-2.70
728389.2	3949661	33282	5/14/2015	105544	cpm	-0.96
728389.4	3949661	30760	5/14/2015	105545	cpm	-2.55
728389.7	3949661	30190	5/14/2015	105546	cpm	-2.92
728389.9	3949661	29447	5/14/2015	105547	cpm	-3.39
728390.3	3949662	28061	5/14/2015	105548	cpm	-4.26
728390.5	3949662	29455	5/14/2015	105549	cpm	-3.38
728390.9	3949662	28754	5/14/2015	105550	cpm	-3.82
728390.9	3949663	26898	5/14/2015	105551	cpm	-5.00
728391.2	3949663	29314	5/14/2015	105553	cpm	-3.47
728391.3	3949664	29822	5/14/2015	105555	cpm	-3.15
728391	3949664	31875	5/14/2015	105556	cpm	-1.85
728390.9	3949665	32118	5/14/2015	105557	cpm	-1.69
728390.7	3949665	35119	5/14/2015	105558	cpm	0.21
728390.8	3949665	33710	5/14/2015	105559	cpm	-0.69
728390.7	3949666	29067	5/14/2015	105600	cpm	-3.63
728390.6	3949666	31147	5/14/2015	105601	cpm	-2.31
728390.5	3949667	28906	5/14/2015	105602	cpm	-3.73
728390.6	3949667	31166	5/14/2015	105604	cpm	-2.30
728390.6	3949667	32435	5/14/2015	105605	cpm	-1.49
728390.3	3949668	33188	5/14/2015	105606	cpm	-1.02
728390.3	3949668	37877	5/14/2015	105607	cpm	1.95
728390.3	3949668	39169	5/14/2015	105608	cpm	2.77
728390.1	3949668	40092	5/14/2015	105609	cpm	3.36
728390.1	3949669	42213	5/14/2015	105610	cpm	4.70
728390	3949669	43823	5/14/2015	105611	cpm	5.72
728389.6	3949669	46055	5/14/2015	105612	cpm	7.13
728389.7	3949669	44064	5/14/2015	105614	cpm	5.87
728389.3	3949669	41596	5/14/2015	105615	cpm	4.31
728389.3	3949668	42319	5/14/2015	105616	cpm	4.77
728389.2	3949668	42019	5/14/2015	105617	cpm	4.58
728389	3949668	41375	5/14/2015	105618	cpm	4.17
728388.9	3949668	39503	5/14/2015	105619	cpm	2.98
728388.9	3949668	39096	5/14/2015	105620	cpm	2.72
728389	3949668	39054	5/14/2015	105621	cpm	2.70

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728389	3949668	39043	5/14/2015	105622	cpm	2.69
728388.9	3949668	40181	5/14/2015	105623	cpm	3.41
728388.8	3949669	41286	5/14/2015	105625	cpm	4.11
728388.6	3949670	39690	5/14/2015	105627	cpm	3.10
728388.4	3949670	39532	5/14/2015	105628	cpm	3.00
728388	3949671	43123	5/14/2015	105629	cpm	5.27
728387.6	3949671	42911	5/14/2015	105630	cpm	5.14
728387.4	3949671	47657	5/14/2015	105631	cpm	8.15
728387.2	3949672	47134	5/14/2015	105632	cpm	7.81
728387.4	3949672	50273	5/14/2015	105633	cpm	9.80
728387.5	3949672	53428	5/14/2015	105634	cpm	11.80
728387.5	3949672	50617	5/14/2015	105636	cpm	10.02
728387.5	3949673	51613	5/14/2015	105637	cpm	10.65
728387.8	3949673	50085	5/14/2015	105639	cpm	9.68
728387.8	3949673	47501	5/14/2015	105640	cpm	8.05
728387.8	3949673	46315	5/14/2015	105641	cpm	7.30
728387.8	3949673	47039	5/14/2015	105642	cpm	7.75
728387.9	3949673	50789	5/14/2015	105643	cpm	10.13
728388.2	3949673	44467	5/14/2015	105644	cpm	6.13
728388.4	3949674	47026	5/14/2015	105645	cpm	7.75
728388.4	3949674	46316	5/14/2015	105646	cpm	7.30
728388.4	3949674	43949	5/14/2015	105647	cpm	5.80
728388.5	3949674	49417	5/14/2015	105648	cpm	9.26
728389.3	3949674	46524	5/14/2015	105650	cpm	7.43
728389.8	3949674	40287	5/14/2015	105651	cpm	3.48
728389.9	3949674	36172	5/14/2015	105652	cpm	0.87
728389.9	3949675	36313	5/14/2015	105653	cpm	0.96
728389.6	3949675	42618	5/14/2015	105654	cpm	4.95
728389.2	3949675	35974	5/14/2015	105655	cpm	0.75
728388.9	3949676	43073	5/14/2015	105656	cpm	5.24
728388.5	3949676	39748	5/14/2015	105657	cpm	3.14
728388.3	3949676	39757	5/14/2015	105658	cpm	3.14
728388.1	3949675	39138	5/14/2015	105700	cpm	2.75
728388.1	3949675	44528	5/14/2015	105701	cpm	6.16
728387.9	3949674	51362	5/14/2015	105702	cpm	10.49
728388.1	3949674	49320	5/14/2015	105703	cpm	9.20
728388.1	3949673	51360	5/14/2015	105704	cpm	10.49
728388.5	3949673	48360	5/14/2015	105705	cpm	8.59
728388.7	3949672	47010	5/14/2015	105706	cpm	7.74
728389	3949672	45592	5/14/2015	105707	cpm	6.84
728389.3	3949672	40768	5/14/2015	105708	cpm	3.78
728390	3949671	44272	5/14/2015	105710	cpm	6.00

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728390.3	3949671	45839	5/14/2015	105711	cpm	6.99
728390.8	3949670	43650	5/14/2015	105712	cpm	5.61
728391	3949670	41092	5/14/2015	105713	cpm	3.99
728391.3	3949669	36733	5/14/2015	105714	cpm	1.23
728391.3	3949669	34563	5/14/2015	105715	cpm	-0.15
728391.3	3949670	34740	5/14/2015	105716	cpm	-0.03
728391.1	3949670	37965	5/14/2015	105717	cpm	2.01
728391	3949670	36371	5/14/2015	105718	cpm	1.00
728391	3949670	34893	5/14/2015	105720	cpm	0.06
728390.7	3949670	42185	5/14/2015	105721	cpm	4.68
728390.8	3949670	42196	5/14/2015	105722	cpm	4.69
728390.6	3949670	43249	5/14/2015	105723	cpm	5.35
728390.5	3949670	44232	5/14/2015	105724	cpm	5.98
728390.5	3949670	42738	5/14/2015	105725	cpm	5.03
728390.5	3949671	42364	5/14/2015	105726	cpm	4.79
728390.5	3949671	44761	5/14/2015	105727	cpm	6.31
728390.3	3949671	44670	5/14/2015	105728	cpm	6.25
728390.4	3949671	42997	5/14/2015	105730	cpm	5.19
728390.4	3949671	45115	5/14/2015	105731	cpm	6.54
728390.4	3949671	42478	5/14/2015	105732	cpm	4.87
728391.1	3949671	39719	5/14/2015	105733	cpm	3.12
728391.4	3949671	36240	5/14/2015	105734	cpm	0.92
728391.4	3949671	37470	5/14/2015	105735	cpm	1.69
728391.4	3949671	37807	5/14/2015	105736	cpm	1.91
728391.3	3949671	35101	5/14/2015	105737	cpm	0.19
728391.3	3949671	35355	5/14/2015	105738	cpm	0.36
728391.5	3949671	33768	5/14/2015	105740	cpm	-0.65
728391.7	3949672	38643	5/14/2015	105741	cpm	2.44
728392.2	3949672	36000	5/14/2015	105742	cpm	0.76
728392.5	3949673	35370	5/14/2015	105743	cpm	0.36
728392.8	3949673	31492	5/14/2015	105744	cpm	-2.09
728392.6	3949673	28543	5/14/2015	105745	cpm	-3.96
728392.7	3949673	29486	5/14/2015	105746	cpm	-3.36
728392.8	3949673	29181	5/14/2015	105747	cpm	-3.55
728392.8	3949673	28565	5/14/2015	105748	cpm	-3.94
728392.9	3949673	31651	5/14/2015	105750	cpm	-1.99
728392.9	3949673	32383	5/14/2015	105751	cpm	-1.53
728393	3949673	31406	5/14/2015	105752	cpm	-2.15
728392.8	3949674	33231	5/14/2015	105753	cpm	-0.99
728393.2	3949674	30957	5/14/2015	105754	cpm	-2.43
728393.6	3949675	31679	5/14/2015	105755	cpm	-1.97
728394.2	3949675	31860	5/14/2015	105756	cpm	-1.86

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728394.6	3949676	33915	5/14/2015	105757	cpm	-0.56
728395.3	3949676	33348	5/14/2015	105758	cpm	-0.92
728396.3	3949677	35007	5/14/2015	105800	cpm	0.13
728396.9	3949677	35465	5/14/2015	105801	cpm	0.42
728397.2	3949677	37486	5/14/2015	105802	cpm	1.70
728397.5	3949677	36461	5/14/2015	105803	cpm	1.06
728397.9	3949677	32335	5/14/2015	105804	cpm	-1.56
728398.1	3949678	32834	5/14/2015	105805	cpm	-1.24
728398.3	3949678	33258	5/14/2015	105806	cpm	-0.97
728398	3949677	33784	5/14/2015	105807	cpm	-0.64
728397.8	3949677	31036	5/14/2015	105808	cpm	-2.38
728397.7	3949677	31249	5/14/2015	105810	cpm	-2.24
728397.7	3949677	36175	5/14/2015	105811	cpm	0.87
728397.7	3949677	33824	5/14/2015	105812	cpm	-0.61
728397.7	3949677	31526	5/14/2015	105813	cpm	-2.07
728397.7	3949677	35601	5/14/2015	105814	cpm	0.51
728397.7	3949677	34130	5/14/2015	105815	cpm	-0.42
728397.8	3949677	33042	5/14/2015	105816	cpm	-1.11
728398.1	3949677	34570	5/14/2015	105817	cpm	-0.14
728398.5	3949678	31952	5/14/2015	105818	cpm	-1.80
728398.6	3949678	30848	5/14/2015	105820	cpm	-2.50
728398.6	3949678	36810	5/14/2015	105821	cpm	1.28
728398.6	3949678	35992	5/14/2015	105822	cpm	0.76
728398.6	3949677	32128	5/14/2015	105823	cpm	-1.69
728398.8	3949678	32452	5/14/2015	105824	cpm	-1.48
728399.1	3949678	30853	5/14/2015	105825	cpm	-2.50
728399.6	3949678	32433	5/14/2015	105826	cpm	-1.50
728399.8	3949678	32978	5/14/2015	105827	cpm	-1.15
728400.3	3949679	32874	5/14/2015	105828	cpm	-1.22
728401	3949679	32278	5/14/2015	105830	cpm	-1.59
728401.1	3949679	28665	5/14/2015	105831	cpm	-3.88
728401.3	3949680	30326	5/14/2015	105832	cpm	-2.83
728401.6	3949680	32001	5/14/2015	105833	cpm	-1.77
728401.3	3949680	29390	5/14/2015	105834	cpm	-3.42
728401.3	3949681	32247	5/14/2015	105835	cpm	-1.61
728400.9	3949681	32422	5/14/2015	105836	cpm	-1.50
728400.6	3949681	31955	5/14/2015	105837	cpm	-1.80
728400.2	3949681	33608	5/14/2015	105838	cpm	-0.75
728399.5	3949682	34652	5/14/2015	105840	cpm	-0.09
728399.2	3949682	34880	5/14/2015	105841	cpm	0.05
728398.6	3949683	36470	5/14/2015	105842	cpm	1.06
728398	3949683	33117	5/14/2015	105843	cpm	-1.06



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728397.3	3949683	32669	5/14/2015	105844	cpm	-1.35
728396.7	3949683	33307	5/14/2015	105845	cpm	-0.94
728396.1	3949683	35896	5/14/2015	105846	cpm	0.70
728395.5	3949683	31894	5/14/2015	105847	cpm	-1.84
728394.9	3949683	36113	5/14/2015	105848	cpm	0.84
728393.9	3949683	31858	5/14/2015	105850	cpm	-1.86
728393.4	3949682	32553	5/14/2015	105851	cpm	-1.42
728393	3949682	35798	5/14/2015	105852	cpm	0.64
728392.5	3949682	36699	5/14/2015	105853	cpm	1.21
728392.2	3949682	36355	5/14/2015	105854	cpm	0.99
728391.9	3949682	34708	5/14/2015	105855	cpm	-0.05
728391.5	3949681	31837	5/14/2015	105856	cpm	-1.87
728391.1	3949681	35199	5/14/2015	105857	cpm	0.26
728390.5	3949681	34689	5/14/2015	105858	cpm	-0.07
728390.1	3949681	32582	5/14/2015	105859	cpm	-1.40
728389.2	3949681	32643	5/14/2015	105901	cpm	-1.36
728388.6	3949681	33391	5/14/2015	105902	cpm	-0.89
728388.4	3949681	34837	5/14/2015	105903	cpm	0.03
728388.1	3949681	34209	5/14/2015	105904	cpm	-0.37
728387.7	3949681	35132	5/14/2015	105905	cpm	0.21
728387.3	3949681	43313	5/14/2015	105906	cpm	5.39
728386.7	3949681	50038	5/14/2015	105907	cpm	9.65
728386.1	3949681	45809	5/14/2015	105908	cpm	6.98
728385.2	3949681	37072	5/14/2015	105910	cpm	1.44
728384.9	3949681	36299	5/14/2015	105911	cpm	0.95
728384.5	3949681	34065	5/14/2015	105912	cpm	-0.46
728384.1	3949681	33536	5/14/2015	105913	cpm	-0.80
728383.6	3949681	33524	5/14/2015	105914	cpm	-0.80
728383.1	3949681	36371	5/14/2015	105915	cpm	1.00
728382.7	3949681	39002	5/14/2015	105916	cpm	2.66
728382.2	3949681	35160	5/14/2015	105917	cpm	0.23
728381.8	3949681	34860	5/14/2015	105918	cpm	0.04
728380.7	3949681	38205	5/14/2015	105920	cpm	2.16
728380.1	3949681	39010	5/14/2015	105921	cpm	2.67
728379.6	3949681	41942	5/14/2015	105922	cpm	4.53
728379.1	3949681	44025	5/14/2015	105923	cpm	5.85
728378.6	3949681	47786	5/14/2015	105924	cpm	8.23
728378.1	3949681	46776	5/14/2015	105925	cpm	7.59
728377.7	3949681	44904	5/14/2015	105926	cpm	6.40
728377.3	3949681	46656	5/14/2015	105927	cpm	7.51
728376.9	3949682	45054	5/14/2015	105928	cpm	6.50
728376	3949682	47833	5/14/2015	105930	cpm	8.26

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728375.7	3949682	41764	5/14/2015	105931	cpm	4.41
728375.4	3949682	39061	5/14/2015	105932	cpm	2.70
728375.1	3949682	42435	5/14/2015	105933	cpm	4.84
728374.7	3949682	45618	5/14/2015	105934	cpm	6.85
728374.4	3949682	41554	5/14/2015	105935	cpm	4.28
728374	3949682	39968	5/14/2015	105936	cpm	3.28
728373.6	3949682	42872	5/14/2015	105937	cpm	5.12
728373.3	3949682	42188	5/14/2015	105938	cpm	4.68
728372.4	3949682	47177	5/14/2015	105940	cpm	7.84
728372	3949681	44956	5/14/2015	105941	cpm	6.44
728371.7	3949682	42739	5/14/2015	105942	cpm	5.03
728371.3	3949681	41974	5/14/2015	105943	cpm	4.55
728370.9	3949681	45083	5/14/2015	105944	cpm	6.52
728370.5	3949681	45651	5/14/2015	105945	cpm	6.88
728370.2	3949681	50592	5/14/2015	105946	cpm	10.00
728369.9	3949681	58248	5/14/2015	105947	cpm	14.85
728369.8	3949680	68112	5/14/2015	105948	cpm	21.10
728369.4	3949680	64098	5/14/2015	105950	cpm	18.56
728369.3	3949680	65134	5/14/2015	105951	cpm	19.21
728369.2	3949680	69246	5/14/2015	105952	cpm	21.82
728369	3949680	64111	5/14/2015	105953	cpm	18.57
728368.9	3949680	66697	5/14/2015	105954	cpm	20.20
728368.9	3949680	69384	5/14/2015	105955	cpm	21.90
728368.9	3949680	68556	5/14/2015	105956	cpm	21.38
728368.9	3949680	69009	5/14/2015	105957	cpm	21.67
728369.1	3949680	67802	5/14/2015	105958	cpm	20.90
728369.1	3949680	66120	5/14/2015	105959	cpm	19.84
728369.1	3949680	67785	5/14/2015	110000	cpm	20.89
728369.1	3949680	74931	5/14/2015	110003	cpm	25.42
728369.1	3949680	66493	5/14/2015	110004	cpm	20.07
728369.1	3949680	69963	5/14/2015	110005	cpm	22.27
728369.1	3949680	69540	5/14/2015	110006	cpm	22.00
728369.1	3949680	73875	5/14/2015	110007	cpm	24.75
728369.1	3949680	68478	5/14/2015	110008	cpm	21.33
728369.1	3949680	76759	5/14/2015	110009	cpm	26.58
728369.1	3949680	72980	5/14/2015	110010	cpm	24.18
728369.1	3949680	69305	5/14/2015	110012	cpm	21.85
728369.2	3949680	71374	5/14/2015	110013	cpm	23.17
728369.2	3949680	66443	5/14/2015	110014	cpm	20.04
728369.2	3949680	64791	5/14/2015	110015	cpm	19.00
728369.2	3949680	68967	5/14/2015	110016	cpm	21.64
728369.2	3949680	70282	5/14/2015	110017	cpm	22.47

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728369.2	3949680	69590	5/14/2015	110018	cpm	22.04
728369.2	3949680	71217	5/14/2015	110019	cpm	23.07
728369.2	3949680	67754	5/14/2015	110020	cpm	20.87
728369.1	3949680	69138	5/14/2015	110022	cpm	21.75
728368.9	3949680	69091	5/14/2015	110023	cpm	21.72
728368.2	3949680	63772	5/14/2015	110024	cpm	18.35
728367.8	3949680	59323	5/14/2015	110025	cpm	15.53
728367.4	3949680	48401	5/14/2015	110026	cpm	8.62
728367.1	3949680	42730	5/14/2015	110027	cpm	5.03
728367	3949679	39992	5/14/2015	110028	cpm	3.29
728366.7	3949679	36338	5/14/2015	110029	cpm	0.98
728366.5	3949678	39534	5/14/2015	110030	cpm	3.00
728366.1	3949678	37423	5/14/2015	110031	cpm	1.66
728365.7	3949678	34596	5/14/2015	110033	cpm	-0.13
728365.7	3949678	34457	5/14/2015	110035	cpm	-0.21
728365.7	3949678	36124	5/14/2015	110036	cpm	0.84
728365.4	3949678	37261	5/14/2015	110037	cpm	1.56
728364.9	3949678	36045	5/14/2015	110038	cpm	0.79
728364.3	3949678	38321	5/14/2015	110039	cpm	2.23
728363.8	3949678	37150	5/14/2015	110040	cpm	1.49
728363.3	3949678	34487	5/14/2015	110041	cpm	-0.19
728362.8	3949678	36941	5/14/2015	110042	cpm	1.36
728361.7	3949678	35065	5/14/2015	110044	cpm	0.17
728361.2	3949678	36076	5/14/2015	110045	cpm	0.81
728360.6	3949678	33319	5/14/2015	110046	cpm	-0.93
728360.2	3949678	32539	5/14/2015	110047	cpm	-1.43
728359.7	3949678	31475	5/14/2015	110048	cpm	-2.10
728359.3	3949678	34598	5/14/2015	110049	cpm	-0.12
728358.7	3949678	36069	5/14/2015	110050	cpm	0.81
728358.4	3949678	36737	5/14/2015	110051	cpm	1.23
728358	3949678	33634	5/14/2015	110052	cpm	-0.73
728357.3	3949678	33428	5/14/2015	110054	cpm	-0.87
728356.8	3949678	31909	5/14/2015	110055	cpm	-1.83
728356.4	3949678	29487	5/14/2015	110056	cpm	-3.36
728356.1	3949678	30172	5/14/2015	110057	cpm	-2.93
728356	3949678	31153	5/14/2015	110058	cpm	-2.31
728355.9	3949678	30618	5/14/2015	110059	cpm	-2.64
728355.5	3949678	31654	5/14/2015	110100	cpm	-1.99
728355.2	3949679	31913	5/14/2015	110101	cpm	-1.82
728354.8	3949679	29698	5/14/2015	110102	cpm	-3.23
728354.4	3949679	29084	5/14/2015	110104	cpm	-3.62
728353.9	3949679	32680	5/14/2015	110105	cpm	-1.34

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728353.5	3949679	33460	5/14/2015	110106	cpm	-0.84
728353.3	3949679	34465	5/14/2015	110107	cpm	-0.21
728352.9	3949679	32316	5/14/2015	110108	cpm	-1.57
728352.3	3949679	32799	5/14/2015	110109	cpm	-1.26
728351.8	3949679	34479	5/14/2015	110110	cpm	-0.20
728351.6	3949679	31870	5/14/2015	110111	cpm	-1.85
728351.1	3949678	32419	5/14/2015	110113	cpm	-1.50
728351.2	3949677	35296	5/14/2015	110115	cpm	0.32
728351.5	3949677	31954	5/14/2015	110116	cpm	-1.80
728351.7	3949676	35438	5/14/2015	110117	cpm	0.41
728352.2	3949676	36399	5/14/2015	110118	cpm	1.02
728352.4	3949675	33490	5/14/2015	110119	cpm	-0.83
728352.7	3949675	31322	5/14/2015	110120	cpm	-2.20
728352.9	3949675	32970	5/14/2015	110121	cpm	-1.16
728353.5	3949674	31325	5/14/2015	110123	cpm	-2.20
728354	3949674	31995	5/14/2015	110125	cpm	-1.77
728354	3949673	33048	5/14/2015	110126	cpm	-1.11
728354	3949673	30882	5/14/2015	110127	cpm	-2.48
728354	3949673	28570	5/14/2015	110128	cpm	-3.94
728354	3949673	29402	5/14/2015	110129	cpm	-3.41
728354	3949673	30210	5/14/2015	110130	cpm	-2.90
728354	3949673	32092	5/14/2015	110131	cpm	-1.71
728354	3949673	28843	5/14/2015	110132	cpm	-3.77
728354	3949673	31361	5/14/2015	110134	cpm	-2.17
728354	3949673	30917	5/14/2015	110135	cpm	-2.46
728354	3949673	32629	5/14/2015	110136	cpm	-1.37
728354	3949673	30237	5/14/2015	110137	cpm	-2.89
728354	3949673	32339	5/14/2015	110138	cpm	-1.55
728353.9	3949673	30689	5/14/2015	110139	cpm	-2.60
728353.9	3949673	30566	5/14/2015	110140	cpm	-2.68
728353.9	3949673	33081	5/14/2015	110141	cpm	-1.08
728353.9	3949673	31490	5/14/2015	110142	cpm	-2.09
728353.9	3949673	33192	5/14/2015	110144	cpm	-1.01
728354	3949673	32059	5/14/2015	110145	cpm	-1.73
728354	3949673	34054	5/14/2015	110146	cpm	-0.47
728353.9	3949673	31853	5/14/2015	110147	cpm	-1.86
728354	3949673	29473	5/14/2015	110148	cpm	-3.37
728354	3949673	31638	5/14/2015	110149	cpm	-2.00
728354	3949673	28579	5/14/2015	110150	cpm	-3.94
728354	3949673	28024	5/14/2015	110151	cpm	-4.29
728354	3949673	29056	5/14/2015	110152	cpm	-3.63
728354.1	3949673	30364	5/14/2015	110154	cpm	-2.81

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728354	3949673	31845	5/14/2015	110155	cpm	-1.87
728353.9	3949673	31631	5/14/2015	110156	cpm	-2.00
728354	3949673	34878	5/14/2015	110157	cpm	0.05
728353.9	3949673	31489	5/14/2015	110158	cpm	-2.09
728353.9	3949673	29142	5/14/2015	110159	cpm	-3.58
728353.9	3949673	32035	5/14/2015	110200	cpm	-1.75
728353.9	3949673	30299	5/14/2015	110201	cpm	-2.85
728353.9	3949673	30708	5/14/2015	110203	cpm	-2.59
728353.9	3949673	32579	5/14/2015	110205	cpm	-1.40
728353.9	3949673	35145	5/14/2015	110206	cpm	0.22
728353.9	3949673	30386	5/14/2015	110207	cpm	-2.79
728353.9	3949673	33516	5/14/2015	110208	cpm	-0.81
728354.3	3949673	31359	5/14/2015	110209	cpm	-2.18
728354.7	3949673	32439	5/14/2015	110210	cpm	-1.49
728355.3	3949673	33280	5/14/2015	110211	cpm	-0.96
728356.2	3949674	30527	5/14/2015	110213	cpm	-2.70
728357	3949674	33783	5/14/2015	110215	cpm	-0.64
728357.4	3949674	31635	5/14/2015	110216	cpm	-2.00
728357.6	3949674	29748	5/14/2015	110217	cpm	-3.20
728357.9	3949674	30987	5/14/2015	110218	cpm	-2.41
728358.2	3949674	32227	5/14/2015	110219	cpm	-1.63
728358.5	3949674	31936	5/14/2015	110220	cpm	-1.81
728358.8	3949674	31474	5/14/2015	110221	cpm	-2.10
728359.1	3949674	30038	5/14/2015	110222	cpm	-3.01
728359.5	3949674	32859	5/14/2015	110223	cpm	-1.23
728360.4	3949674	31686	5/14/2015	110225	cpm	-1.97
728361.1	3949674	29235	5/14/2015	110227	cpm	-3.52
728361.6	3949675	29958	5/14/2015	110228	cpm	-3.06
728361.9	3949675	28939	5/14/2015	110229	cpm	-3.71
728362.3	3949675	31895	5/14/2015	110230	cpm	-1.84
728362.8	3949675	32303	5/14/2015	110231	cpm	-1.58
728363.2	3949675	30396	5/14/2015	110232	cpm	-2.79
728363.8	3949675	32109	5/14/2015	110233	cpm	-1.70
728364.9	3949676	32096	5/14/2015	110235	cpm	-1.71
728365.5	3949676	32174	5/14/2015	110236	cpm	-1.66
728366	3949676	30333	5/14/2015	110237	cpm	-2.83
728366.6	3949676	30653	5/14/2015	110238	cpm	-2.62
728367	3949676	33823	5/14/2015	110239	cpm	-0.61
728367.4	3949676	35396	5/14/2015	110240	cpm	0.38
728367.7	3949677	34949	5/14/2015	110241	cpm	0.10
728367.8	3949677	34657	5/14/2015	110242	cpm	-0.09
728367.4	3949677	35526	5/14/2015	110244	cpm	0.46

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728367.2	3949678	38461	5/14/2015	110245	cpm	2.32
728366.5	3949678	35805	5/14/2015	110246	cpm	0.64
728366	3949678	38741	5/14/2015	110247	cpm	2.50
728365.4	3949679	41305	5/14/2015	110248	cpm	4.12
728364.9	3949679	39036	5/14/2015	110249	cpm	2.69
728364.5	3949679	34779	5/14/2015	110250	cpm	-0.01
728364.2	3949679	36834	5/14/2015	110251	cpm	1.29
728363.2	3949680	41159	5/14/2015	110253	cpm	4.03
728363	3949680	36990	5/14/2015	110254	cpm	1.39
728362.9	3949680	33817	5/14/2015	110255	cpm	-0.62
728362.6	3949680	35304	5/14/2015	110256	cpm	0.32
728362	3949680	38556	5/14/2015	110257	cpm	2.38
728361.5	3949680	35679	5/14/2015	110258	cpm	0.56
728361	3949680	36849	5/14/2015	110259	cpm	1.30
728360.5	3949681	37982	5/14/2015	110300	cpm	2.02
728359.9	3949681	38295	5/14/2015	110301	cpm	2.22
728359.4	3949681	38343	5/14/2015	110302	cpm	2.25
728358.5	3949682	36826	5/14/2015	110304	cpm	1.29
728358.1	3949682	36711	5/14/2015	110305	cpm	1.21
728358.1	3949683	34078	5/14/2015	110306	cpm	-0.45
728358.1	3949683	38099	5/14/2015	110307	cpm	2.09
728358	3949683	36165	5/14/2015	110308	cpm	0.87
728358.1	3949683	38681	5/14/2015	110309	cpm	2.46
728358.1	3949683	37120	5/14/2015	110310	cpm	1.47
728358.1	3949683	34840	5/14/2015	110311	cpm	0.03
728358.1	3949683	36130	5/14/2015	110312	cpm	0.85
728358	3949683	38655	5/14/2015	110314	cpm	2.45
728357.9	3949683	35733	5/14/2015	110315	cpm	0.59
728357.5	3949683	34523	5/14/2015	110316	cpm	-0.17
728356.9	3949683	36051	5/14/2015	110317	cpm	0.80
728356.2	3949683	34062	5/14/2015	110318	cpm	-0.46
728355.5	3949683	34975	5/14/2015	110319	cpm	0.11
728354.7	3949683	35834	5/14/2015	110320	cpm	0.66
728354	3949683	33888	5/14/2015	110321	cpm	-0.57
728352.6	3949683	34255	5/14/2015	110323	cpm	-0.34
728351.8	3949683	30914	5/14/2015	110324	cpm	-2.46
728351.1	3949683	33378	5/14/2015	110325	cpm	-0.90
728350.5	3949683	31474	5/14/2015	110326	cpm	-2.10
728349.8	3949683	30788	5/14/2015	110327	cpm	-2.54
728349.2	3949683	31007	5/14/2015	110328	cpm	-2.40
728348.6	3949683	31331	5/14/2015	110329	cpm	-2.19
728347.6	3949683	33593	5/14/2015	110331	cpm	-0.76

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728346.5	3949684	34627	5/14/2015	110333	cpm	-0.11
728346	3949684	34456	5/14/2015	110334	cpm	-0.21
728345.4	3949684	32404	5/14/2015	110335	cpm	-1.51
728344.9	3949684	33091	5/14/2015	110336	cpm	-1.08
728344.3	3949684	31282	5/14/2015	110337	cpm	-2.22
728343.8	3949684	32240	5/14/2015	110338	cpm	-1.62
728343.3	3949684	30230	5/14/2015	110339	cpm	-2.89
728342.4	3949684	31342	5/14/2015	110341	cpm	-2.19
728342.1	3949684	29885	5/14/2015	110342	cpm	-3.11
728341.7	3949684	30841	5/14/2015	110343	cpm	-2.50
728341.6	3949685	31440	5/14/2015	110344	cpm	-2.12
728341.6	3949685	32670	5/14/2015	110345	cpm	-1.35
728341.7	3949686	34117	5/14/2015	110346	cpm	-0.43
728342.3	3949686	32679	5/14/2015	110347	cpm	-1.34
728342.6	3949687	32740	5/14/2015	110348	cpm	-1.30
728343.8	3949688	31333	5/14/2015	110350	cpm	-2.19
728344.4	3949688	28203	5/14/2015	110351	cpm	-4.17
728344.8	3949688	30240	5/14/2015	110352	cpm	-2.88
728345	3949688	29850	5/14/2015	110353	cpm	-3.13
728345.7	3949689	33292	5/14/2015	110354	cpm	-0.95
728346.3	3949689	32413	5/14/2015	110355	cpm	-1.51
728347.1	3949689	35763	5/14/2015	110356	cpm	0.61
728348.4	3949690	33967	5/14/2015	110358	cpm	-0.52
728349.1	3949690	35252	5/14/2015	110359	cpm	0.29
728349.7	3949691	31613	5/14/2015	110400	cpm	-2.01
728350.3	3949691	30403	5/14/2015	110401	cpm	-2.78
728350.9	3949691	30641	5/14/2015	110402	cpm	-2.63
728351.5	3949691	30700	5/14/2015	110403	cpm	-2.59
728352.1	3949691	36175	5/14/2015	110404	cpm	0.87
728352.8	3949691	32773	5/14/2015	110405	cpm	-1.28
728354	3949691	38145	5/14/2015	110407	cpm	2.12
728354.6	3949692	32426	5/14/2015	110408	cpm	-1.50
728355.2	3949692	32736	5/14/2015	110409	cpm	-1.30
728355.6	3949692	35604	5/14/2015	110410	cpm	0.51
728356.2	3949692	35022	5/14/2015	110411	cpm	0.14
728356.6	3949693	34047	5/14/2015	110412	cpm	-0.47
728357.1	3949693	35812	5/14/2015	110413	cpm	0.64
728357.4	3949694	38383	5/14/2015	110414	cpm	2.27
728358.3	3949694	40919	5/14/2015	110416	cpm	3.88
728358.5	3949694	37019	5/14/2015	110417	cpm	1.41
728358.5	3949694	37845	5/14/2015	110418	cpm	1.93
728358.5	3949694	37481	5/14/2015	110419	cpm	1.70

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728358.4	3949694	35110	5/14/2015	110420	cpm	0.20
728358.5	3949694	36017	5/14/2015	110421	cpm	0.77
728358.4	3949694	41974	5/14/2015	110422	cpm	4.55
728358.4	3949694	38753	5/14/2015	110423	cpm	2.51
728358.4	3949694	37162	5/14/2015	110425	cpm	1.50
728358.5	3949694	35600	5/14/2015	110426	cpm	0.51
728358.7	3949695	41930	5/14/2015	110427	cpm	4.52
728359	3949695	41742	5/14/2015	110428	cpm	4.40
728359.4	3949695	40375	5/14/2015	110429	cpm	3.53
728359.6	3949695	37724	5/14/2015	110430	cpm	1.86
728360.1	3949695	35921	5/14/2015	110431	cpm	0.71
728361.1	3949695	39880	5/14/2015	110433	cpm	3.22
728361.5	3949694	40660	5/14/2015	110434	cpm	3.71
728361.7	3949694	45235	5/14/2015	110435	cpm	6.61
728361.9	3949694	43708	5/14/2015	110436	cpm	5.64
728361.9	3949694	44527	5/14/2015	110437	cpm	6.16
728362.2	3949694	47431	5/14/2015	110438	cpm	8.00
728362.3	3949693	50677	5/14/2015	110439	cpm	10.06
728362.3	3949693	54279	5/14/2015	110440	cpm	12.34
728362.3	3949693	55202	5/14/2015	110442	cpm	12.92
728362.3	3949693	51690	5/14/2015	110443	cpm	10.70
728362.3	3949693	48922	5/14/2015	110444	cpm	8.95
728362.1	3949694	47750	5/14/2015	110445	cpm	8.20
728362.1	3949693	47577	5/14/2015	110446	cpm	8.10
728362	3949693	50744	5/14/2015	110447	cpm	10.10
728362	3949693	57266	5/14/2015	110448	cpm	14.23
728362	3949693	52476	5/14/2015	110449	cpm	11.20
728362	3949694	49967	5/14/2015	110451	cpm	9.61
728362	3949693	52901	5/14/2015	110452	cpm	11.47
728362	3949694	50365	5/14/2015	110453	cpm	9.86
728362	3949693	48501	5/14/2015	110454	cpm	8.68
728361.8	3949693	46535	5/14/2015	110455	cpm	7.44
728361.8	3949693	47603	5/14/2015	110456	cpm	8.11
728361.8	3949693	49341	5/14/2015	110457	cpm	9.21
728361.8	3949693	49625	5/14/2015	110458	cpm	9.39
728361.8	3949693	51611	5/14/2015	110500	cpm	10.65
728361.8	3949693	49833	5/14/2015	110501	cpm	9.52
728361.8	3949693	51518	5/14/2015	110502	cpm	10.59
728361.7	3949693	48339	5/14/2015	110503	cpm	8.58
728361.7	3949693	49435	5/14/2015	110504	cpm	9.27
728361.7	3949693	50548	5/14/2015	110505	cpm	9.98
728361.7	3949693	49747	5/14/2015	110506	cpm	9.47



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728361.8	3949693	44836	5/14/2015	110507	cpm	6.36
728362.3	3949694	49947	5/14/2015	110509	cpm	9.60
728362.5	3949694	51247	5/14/2015	110510	cpm	10.42
728362.5	3949694	55231	5/14/2015	110511	cpm	12.94
728362.1	3949693	50287	5/14/2015	110512	cpm	9.81
728361.9	3949693	49562	5/14/2015	110513	cpm	9.35
728361.9	3949693	49470	5/14/2015	110514	cpm	9.29
728361.9	3949694	48427	5/14/2015	110515	cpm	8.63
728361.9	3949694	49706	5/14/2015	110516	cpm	9.44
728361.9	3949694	51211	5/14/2015	110519	cpm	10.40
728361.9	3949694	48592	5/14/2015	110520	cpm	8.74
728361.9	3949694	51208	5/14/2015	110521	cpm	10.39
728361.9	3949694	50722	5/14/2015	110522	cpm	10.09
728361.8	3949693	50240	5/14/2015	110523	cpm	9.78
728361.8	3949694	51890	5/14/2015	110524	cpm	10.83
728361.8	3949693	48132	5/14/2015	110525	cpm	8.45
728361.8	3949694	56463	5/14/2015	110526	cpm	13.72
728362.4	3949693	49008	5/14/2015	110528	cpm	9.00
728363.2	3949694	49392	5/14/2015	110529	cpm	9.24
728363.8	3949694	54888	5/14/2015	110530	cpm	12.72
728364.4	3949694	57432	5/14/2015	110531	cpm	14.34
728364.6	3949695	57528	5/14/2015	110532	cpm	14.40
728364.9	3949695	58602	5/14/2015	110533	cpm	15.08
728365.1	3949695	55060	5/14/2015	110534	cpm	12.83
728365.7	3949695	53443	5/14/2015	110536	cpm	11.81
728365.8	3949696	53291	5/14/2015	110537	cpm	11.71
728365.9	3949696	53342	5/14/2015	110538	cpm	11.75
728366.1	3949696	52455	5/14/2015	110539	cpm	11.18
728366.3	3949696	55353	5/14/2015	110540	cpm	13.02
728366.3	3949696	52538	5/14/2015	110541	cpm	11.24
728366.3	3949696	51564	5/14/2015	110542	cpm	10.62
728366.3	3949696	52011	5/14/2015	110543	cpm	10.90
728366.3	3949696	52392	5/14/2015	110544	cpm	11.14
728366	3949696	53718	5/14/2015	110546	cpm	11.98
728365.8	3949696	50404	5/14/2015	110547	cpm	9.89
728366	3949696	49921	5/14/2015	110548	cpm	9.58
728366	3949696	52680	5/14/2015	110549	cpm	11.33
728366	3949696	48840	5/14/2015	110550	cpm	8.89
728366	3949696	49860	5/14/2015	110551	cpm	9.54
728366	3949696	48465	5/14/2015	110552	cpm	8.66
728366	3949696	52016	5/14/2015	110553	cpm	10.91
728367	3949696	57611	5/14/2015	110555	cpm	14.45

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728367.5	3949695	51392	5/14/2015	110556	cpm	10.51
728368.1	3949696	53918	5/14/2015	110557	cpm	12.11
728368.6	3949695	46539	5/14/2015	110558	cpm	7.44
728368.7	3949696	42595	5/14/2015	110559	cpm	4.94
728368.7	3949696	47128	5/14/2015	110600	cpm	7.81
728368.7	3949696	48652	5/14/2015	110601	cpm	8.78
728368.6	3949696	44323	5/14/2015	110602	cpm	6.03
728368.6	3949696	43720	5/14/2015	110604	cpm	5.65
728368.6	3949696	43150	5/14/2015	110605	cpm	5.29
728368.6	3949696	41867	5/14/2015	110606	cpm	4.48
728368.6	3949696	46526	5/14/2015	110607	cpm	7.43
728368.6	3949696	42801	5/14/2015	110608	cpm	5.07
728368.6	3949696	46220	5/14/2015	110609	cpm	7.24
728368.6	3949696	41975	5/14/2015	110610	cpm	4.55
728368.6	3949696	42443	5/14/2015	110611	cpm	4.84
728368.6	3949696	45411	5/14/2015	110612	cpm	6.72
728368.6	3949696	47262	5/14/2015	110613	cpm	7.90
728368.6	3949696	47751	5/14/2015	110615	cpm	8.21
728368.6	3949696	44217	5/14/2015	110616	cpm	5.97
728368.6	3949696	43724	5/14/2015	110617	cpm	5.66
728368.6	3949696	45581	5/14/2015	110618	cpm	6.83
728368.6	3949696	45235	5/14/2015	110619	cpm	6.61
728368.6	3949696	40228	5/14/2015	110620	cpm	3.44
728368.6	3949696	45157	5/14/2015	110621	cpm	6.56
728368.6	3949696	44604	5/14/2015	110622	cpm	6.21
728368.6	3949696	43955	5/14/2015	110625	cpm	5.80
728368.7	3949696	42788	5/14/2015	110626	cpm	5.06
728368.8	3949696	44794	5/14/2015	110627	cpm	6.33
728369	3949695	44419	5/14/2015	110628	cpm	6.10
728369.1	3949695	47344	5/14/2015	110629	cpm	7.95
728369	3949695	43306	5/14/2015	110630	cpm	5.39
728369	3949695	44846	5/14/2015	110631	cpm	6.37
728369	3949695	42793	5/14/2015	110633	cpm	5.07
728369	3949695	44868	5/14/2015	110634	cpm	6.38
728369	3949695	46587	5/14/2015	110635	cpm	7.47
728369.1	3949695	45306	5/14/2015	110636	cpm	6.66
728369.4	3949695	44596	5/14/2015	110637	cpm	6.21
728369.8	3949695	44689	5/14/2015	110638	cpm	6.27
728370.1	3949695	47412	5/14/2015	110639	cpm	7.99
728370.3	3949695	53423	5/14/2015	110641	cpm	11.80
728370.3	3949695	51515	5/14/2015	110642	cpm	10.59
728370.3	3949695	50919	5/14/2015	110643	cpm	10.21

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728370.5	3949695	50919	5/14/2015	110644	cpm	10.21
728370.8	3949695	48460	5/14/2015	110645	cpm	8.65
728371.2	3949695	44695	5/14/2015	110646	cpm	6.27
728371.7	3949694	43993	5/14/2015	110647	cpm	5.83
728373	3949693	50322	5/14/2015	110649	cpm	9.83
728373.7	3949693	64540	5/14/2015	110650	cpm	18.84
728374.4	3949692	67105	5/14/2015	110651	cpm	20.46
728375.2	3949692	59046	5/14/2015	110652	cpm	15.36
728375.9	3949692	50101	5/14/2015	110653	cpm	9.69
728376.5	3949692	49935	5/14/2015	110654	cpm	9.59
728377.1	3949692	51903	5/14/2015	110655	cpm	10.83
728378.4	3949692	65959	5/14/2015	110657	cpm	19.74
728379.1	3949692	57439	5/14/2015	110658	cpm	14.34
728380	3949692	50510	5/14/2015	110659	cpm	9.95
728380.7	3949692	43017	5/14/2015	110700	cpm	5.21
728381.4	3949692	40844	5/14/2015	110701	cpm	3.83
728381.9	3949692	42551	5/14/2015	110702	cpm	4.91
728382.5	3949692	41567	5/14/2015	110703	cpm	4.29
728383.6	3949692	42100	5/14/2015	110705	cpm	4.63
728383.7	3949693	39205	5/14/2015	110706	cpm	2.79
728383.7	3949693	44661	5/14/2015	110707	cpm	6.25
728383.8	3949692	44765	5/14/2015	110708	cpm	6.31
728384.2	3949693	41851	5/14/2015	110709	cpm	4.47
728384.8	3949692	42472	5/14/2015	110710	cpm	4.86
728385.3	3949692	37648	5/14/2015	110711	cpm	1.81
728385.9	3949692	36202	5/14/2015	110712	cpm	0.89
728386.9	3949692	39327	5/14/2015	110714	cpm	2.87
728387.3	3949692	38122	5/14/2015	110715	cpm	2.11
728387.7	3949692	36800	5/14/2015	110716	cpm	1.27
728388.1	3949692	38180	5/14/2015	110717	cpm	2.14
728388.4	3949692	34535	5/14/2015	110718	cpm	-0.16
728388.6	3949692	39083	5/14/2015	110719	cpm	2.72
728388.5	3949692	39081	5/14/2015	110720	cpm	2.71
728388.7	3949692	41570	5/14/2015	110721	cpm	4.29
728387.9	3949692	41043	5/14/2015	110723	cpm	3.96
728387.7	3949692	37800	5/14/2015	110724	cpm	1.90
728387.6	3949692	36000	5/14/2015	110725	cpm	0.76
728387.7	3949692	39420	5/14/2015	110726	cpm	2.93
728387.7	3949692	40275	5/14/2015	110727	cpm	3.47
728387.7	3949692	35628	5/14/2015	110728	cpm	0.53
728387.6	3949692	35607	5/14/2015	110729	cpm	0.51
728387.6	3949692	37123	5/14/2015	110731	cpm	1.47

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728387.6	3949692	45730	5/14/2015	110732	cpm	6.93
728387.6	3949692	38432	5/14/2015	110733	cpm	2.30
728387.7	3949692	38048	5/14/2015	110734	cpm	2.06
728387.7	3949692	37202	5/14/2015	110735	cpm	1.52
728387.7	3949692	37800	5/14/2015	110736	cpm	1.90
728387.7	3949692	35880	5/14/2015	110737	cpm	0.69
728387.7	3949692	36600	5/14/2015	110738	cpm	1.14
728387.7	3949692	36922	5/14/2015	110740	cpm	1.35
728387.7	3949692	35600	5/14/2015	110741	cpm	0.51
728387.7	3949692	36170	5/14/2015	110742	cpm	0.87
728387.7	3949692	37782	5/14/2015	110743	cpm	1.89
728387.7	3949692	36805	5/14/2015	110744	cpm	1.27
728387.7	3949692	35661	5/14/2015	110745	cpm	0.55
728387.7	3949692	36305	5/14/2015	110746	cpm	0.96
728387.7	3949692	36826	5/14/2015	110747	cpm	1.29
728387.7	3949692	40431	5/14/2015	110749	cpm	3.57
728387.8	3949692	36988	5/14/2015	110750	cpm	1.39
728387.9	3949692	34657	5/14/2015	110751	cpm	-0.09
728388.1	3949692	37734	5/14/2015	110752	cpm	1.86
728388.5	3949692	39913	5/14/2015	110753	cpm	3.24
728388.5	3949692	37758	5/14/2015	110754	cpm	1.88
728388.4	3949691	38389	5/14/2015	110755	cpm	2.28
728387.7	3949690	38137	5/14/2015	110757	cpm	2.12
728387.3	3949690	40674	5/14/2015	110758	cpm	3.72
728387	3949690	37048	5/14/2015	110759	cpm	1.43
728386.7	3949689	37792	5/14/2015	110800	cpm	1.90
728386.4	3949689	36208	5/14/2015	110801	cpm	0.90
728386.1	3949689	40972	5/14/2015	110802	cpm	3.91
728386	3949688	36853	5/14/2015	110803	cpm	1.30
728385.9	3949687	37163	5/14/2015	110805	cpm	1.50
728385.8	3949686	38750	5/14/2015	110806	cpm	2.51
728386	3949686	35667	5/14/2015	110807	cpm	0.55
728385.8	3949686	31927	5/14/2015	110808	cpm	-1.82
728385.7	3949685	31561	5/14/2015	110809	cpm	-2.05
728385.6	3949685	30750	5/14/2015	110810	cpm	-2.56
728385.5	3949684	30877	5/14/2015	110811	cpm	-2.48
728385.6	3949684	33452	5/14/2015	110812	cpm	-0.85
728386.1	3949681	42515	5/14/2015	110815	cpm	4.89
728386.2	3949680	50169	5/14/2015	110816	cpm	9.74
728386.2	3949680	45752	5/14/2015	110817	cpm	6.94
728386.5	3949679	39788	5/14/2015	110818	cpm	3.16
728386.8	3949678	40337	5/14/2015	110819	cpm	3.51

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728386.9	3949677	37114	5/14/2015	110820	cpm	1.47
728387.1	3949676	40928	5/14/2015	110821	cpm	3.88
728387.3	3949676	41693	5/14/2015	110822	cpm	4.37
728387.2	3949673	54941	5/14/2015	110825	cpm	12.76
728387	3949673	48265	5/14/2015	110826	cpm	8.53
728386.9	3949672	55086	5/14/2015	110827	cpm	12.85
728386.7	3949672	48661	5/14/2015	110828	cpm	8.78
728387	3949671	51315	5/14/2015	110829	cpm	10.46
728387.3	3949671	47088	5/14/2015	110830	cpm	7.79
728387.7	3949671	42192	5/14/2015	110831	cpm	4.68
728387.7	3949671	40788	5/14/2015	110832	cpm	3.80
728387.3	3949670	40086	5/14/2015	110834	cpm	3.35
728387.1	3949670	47401	5/14/2015	110835	cpm	7.98
728386.9	3949669	46050	5/14/2015	110836	cpm	7.13
728386.8	3949669	50092	5/14/2015	110837	cpm	9.69
728386.9	3949669	48673	5/14/2015	110838	cpm	8.79
728386.7	3949668	48978	5/14/2015	110839	cpm	8.98
728386.6	3949667	44734	5/14/2015	110840	cpm	6.29
728386.3	3949667	44543	5/14/2015	110841	cpm	6.17
728386.2	3949666	44244	5/14/2015	110843	cpm	5.98
728386.1	3949666	37851	5/14/2015	110844	cpm	1.94
728386	3949665	39522	5/14/2015	110845	cpm	2.99
728385.9	3949665	38650	5/14/2015	110846	cpm	2.44
728385.8	3949665	39812	5/14/2015	110847	cpm	3.18
728385.9	3949664	39023	5/14/2015	110848	cpm	2.68
728385.6	3949664	39725	5/14/2015	110849	cpm	3.12
728385.6	3949663	39645	5/14/2015	110851	cpm	3.07
728385.6	3949664	39191	5/14/2015	110852	cpm	2.78
728385.7	3949664	39378	5/14/2015	110853	cpm	2.90
728385.8	3949664	39154	5/14/2015	110854	cpm	2.76
728385.8	3949664	38828	5/14/2015	110855	cpm	2.55
728385.8	3949664	38027	5/14/2015	110856	cpm	2.05
728385.7	3949664	35456	5/14/2015	110857	cpm	0.42
728385.6	3949664	38276	5/14/2015	110859	cpm	2.21
728385.7	3949663	37919	5/14/2015	110900	cpm	1.98
728385.6	3949663	38339	5/14/2015	110901	cpm	2.24
728385.6	3949663	36405	5/14/2015	110902	cpm	1.02
728386	3949663	39731	5/14/2015	110903	cpm	3.13
728385.9	3949663	44102	5/14/2015	110904	cpm	5.89
728386.2	3949663	40365	5/14/2015	110905	cpm	3.53
728386	3949663	34675	5/14/2015	110906	cpm	-0.08
728385.9	3949661	36112	5/14/2015	110909	cpm	0.83

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728386	3949661	37198	5/14/2015	110910	cpm	1.52
728386	3949661	31229	5/14/2015	110911	cpm	-2.26
728386	3949661	31837	5/14/2015	110912	cpm	-1.87
728386	3949661	30849	5/14/2015	110913	cpm	-2.50
728386	3949661	33002	5/14/2015	110914	cpm	-1.13
728386	3949661	33090	5/14/2015	110915	cpm	-1.08
728386	3949661	34342	5/14/2015	110916	cpm	-0.29
728386	3949661	34119	5/14/2015	110918	cpm	-0.43
728386	3949661	30519	5/14/2015	110919	cpm	-2.71
728386	3949661	31690	5/14/2015	110920	cpm	-1.97
728386	3949661	33962	5/14/2015	110921	cpm	-0.53
728386	3949661	30990	5/14/2015	110922	cpm	-2.41
728386	3949661	31897	5/14/2015	110923	cpm	-1.83
728386	3949661	30084	5/14/2015	110924	cpm	-2.98
728386	3949661	33005	5/14/2015	110927	cpm	-1.13
728386	3949661	31261	5/14/2015	110928	cpm	-2.24
728386	3949661	34695	5/14/2015	110929	cpm	-0.06
728386	3949661	31743	5/14/2015	110930	cpm	-1.93
728386	3949661	34486	5/14/2015	110931	cpm	-0.20
728386	3949661	32741	5/14/2015	110932	cpm	-1.30
728386	3949661	31225	5/14/2015	110933	cpm	-2.26
728386	3949661	30286	5/14/2015	110935	cpm	-2.85
728386	3949661	33161	5/14/2015	110936	cpm	-1.03
728386	3949661	33010	5/14/2015	110937	cpm	-1.13
728386	3949661	33482	5/14/2015	110938	cpm	-0.83
728386	3949661	31080	5/14/2015	110939	cpm	-2.35
728386	3949661	32670	5/14/2015	110940	cpm	-1.35
728386	3949661	33277	5/14/2015	110941	cpm	-0.96
728386	3949661	35379	5/14/2015	110942	cpm	0.37
728386	3949661	35556	5/14/2015	110944	cpm	0.48
728385.9	3949661	38559	5/14/2015	110945	cpm	2.38
728385.6	3949661	38409	5/14/2015	110946	cpm	2.29
728385.1	3949662	39572	5/14/2015	110947	cpm	3.03
728384.4	3949662	37043	5/14/2015	110948	cpm	1.42
728383.8	3949663	38000	5/14/2015	110949	cpm	2.03
728383.3	3949663	34940	5/14/2015	110950	cpm	0.09
728382.8	3949663	42575	5/14/2015	110951	cpm	4.93
728381.6	3949664	38278	5/14/2015	110953	cpm	2.21
728380.9	3949664	35489	5/14/2015	110954	cpm	0.44
728380.2	3949664	34282	5/14/2015	110955	cpm	-0.32
728379.4	3949664	31220	5/14/2015	110956	cpm	-2.26
728378.7	3949664	33155	5/14/2015	110957	cpm	-1.04

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728377.4	3949665	29019	5/14/2015	110959	cpm	-3.66
728376.6	3949665	33895	5/14/2015	111000	cpm	-0.57
728376.1	3949665	31153	5/14/2015	111001	cpm	-2.31
728375.2	3949666	28587	5/14/2015	111003	cpm	-3.93
728375	3949667	27906	5/14/2015	111004	cpm	-4.36
728374.6	3949668	29926	5/14/2015	111005	cpm	-3.08
728374.6	3949668	28091	5/14/2015	111006	cpm	-4.24
728374.3	3949669	32133	5/14/2015	111007	cpm	-1.69
728374.3	3949670	30443	5/14/2015	111008	cpm	-2.76
728374	3949670	33470	5/14/2015	111009	cpm	-0.84
728373.4	3949671	34372	5/14/2015	111010	cpm	-0.27
728371.2	3949671	33213	5/14/2015	111013	cpm	-1.00
728370.5	3949671	30863	5/14/2015	111014	cpm	-2.49
728370	3949671	29645	5/14/2015	111015	cpm	-3.26
728369.4	3949670	29101	5/14/2015	111016	cpm	-3.61
728368.9	3949670	30075	5/14/2015	111017	cpm	-2.99
728368.3	3949670	33378	5/14/2015	111018	cpm	-0.90
728367.7	3949670	27934	5/14/2015	111019	cpm	-4.34
728367	3949670	28973	5/14/2015	111020	cpm	-3.69
728365.9	3949671	30596	5/14/2015	111022	cpm	-2.66
728365.3	3949671	29819	5/14/2015	111023	cpm	-3.15
728364.3	3949671	30164	5/14/2015	111024	cpm	-2.93
728363.4	3949671	35051	5/14/2015	111025	cpm	0.16
728362.4	3949671	30842	5/14/2015	111026	cpm	-2.50
728361.5	3949670	34200	5/14/2015	111027	cpm	-0.38
728360.8	3949670	32340	5/14/2015	111028	cpm	-1.55
728359.8	3949670	29456	5/14/2015	111030	cpm	-3.38
728359.3	3949670	29294	5/14/2015	111031	cpm	-3.48
728359	3949670	30723	5/14/2015	111032	cpm	-2.58
728358.7	3949670	29550	5/14/2015	111033	cpm	-3.32
728358.2	3949670	31657	5/14/2015	111034	cpm	-1.99
728357.7	3949670	30714	5/14/2015	111035	cpm	-2.58
728357.2	3949670	36208	5/14/2015	111036	cpm	0.90
728356.7	3949670	33352	5/14/2015	111037	cpm	-0.91
728356.2	3949670	29122	5/14/2015	111039	cpm	-3.59
728356.2	3949670	30650	5/14/2015	111040	cpm	-2.62
728356.3	3949670	30462	5/14/2015	111041	cpm	-2.74
728356.1	3949670	31315	5/14/2015	111042	cpm	-2.20
728355.6	3949670	31619	5/14/2015	111043	cpm	-2.01
728355.2	3949670	30434	5/14/2015	111044	cpm	-2.76
728354.7	3949670	31758	5/14/2015	111045	cpm	-1.92
728354.5	3949671	39139	5/14/2015	111046	cpm	2.75

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728354	3949673	32558	5/14/2015	111048	cpm	-1.42
728354.1	3949674	33669	5/14/2015	111049	cpm	-0.71
728353.8	3949674	34877	5/14/2015	111050	cpm	0.05
728353.7	3949674	31639	5/14/2015	111051	cpm	-2.00
728353.7	3949674	30769	5/14/2015	111052	cpm	-2.55
728353.7	3949674	30612	5/14/2015	111053	cpm	-2.65
728353.5	3949674	32943	5/14/2015	111054	cpm	-1.17
728353	3949674	33615	5/14/2015	111055	cpm	-0.75
728351.9	3949674	29402	5/14/2015	111057	cpm	-3.41
728351.3	3949674	29925	5/14/2015	111058	cpm	-3.08
728350.7	3949674	32111	5/14/2015	111059	cpm	-1.70
728350.1	3949674	30708	5/14/2015	111100	cpm	-2.59
728349.6	3949674	32997	5/14/2015	111101	cpm	-1.14
728349.1	3949673	33929	5/14/2015	111102	cpm	-0.55
728348.6	3949673	34522	5/14/2015	111103	cpm	-0.17
728348.5	3949673	33470	5/14/2015	111104	cpm	-0.84
728348.4	3949673	34334	5/14/2015	111106	cpm	-0.29
728348.4	3949673	31593	5/14/2015	111107	cpm	-2.03
728348.3	3949673	31178	5/14/2015	111108	cpm	-2.29
728348.4	3949673	34554	5/14/2015	111109	cpm	-0.15
728348.3	3949673	33358	5/14/2015	111110	cpm	-0.91
728348.2	3949673	33389	5/14/2015	111111	cpm	-0.89
728348.2	3949673	33787	5/14/2015	111112	cpm	-0.64
728348.2	3949673	34246	5/14/2015	111113	cpm	-0.35
728348.2	3949673	32065	5/14/2015	111115	cpm	-1.73
728348.2	3949673	31656	5/14/2015	111116	cpm	-1.99
728348.2	3949673	31764	5/14/2015	111117	cpm	-1.92
728348.2	3949673	35361	5/14/2015	111118	cpm	0.36
728348.2	3949673	31340	5/14/2015	111119	cpm	-2.19
728348.2	3949673	35075	5/14/2015	111120	cpm	0.18
728347.8	3949673	33788	5/14/2015	111121	cpm	-0.64
728347.4	3949673	32906	5/14/2015	111122	cpm	-1.20
728346.1	3949672	32311	5/14/2015	111125	cpm	-1.57
728345.8	3949671	34927	5/14/2015	111126	cpm	0.08
728345.6	3949671	34352	5/14/2015	111127	cpm	-0.28
728345.2	3949670	37328	5/14/2015	111128	cpm	1.60
728345	3949670	31262	5/14/2015	111129	cpm	-2.24
728344.5	3949669	32295	5/14/2015	111130	cpm	-1.58
728344.3	3949669	36933	5/14/2015	111131	cpm	1.35
728343.8	3949668	32466	5/14/2015	111132	cpm	-1.47
728343.1	3949667	30064	5/14/2015	111135	cpm	-3.00
728342.7	3949667	32566	5/14/2015	111136	cpm	-1.41



Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728342.3	3949667	34631	5/14/2015	111137	cpm	-0.10
728341.7	3949667	31984	5/14/2015	111139	cpm	-1.78
728341.3	3949667	31576	5/14/2015	111140	cpm	-2.04
728340.8	3949667	30634	5/14/2015	111141	cpm	-2.63
728340.6	3949667	31958	5/14/2015	111142	cpm	-1.80
728340.5	3949667	32649	5/14/2015	111143	cpm	-1.36
728340.5	3949668	30023	5/14/2015	111145	cpm	-3.02
728340.8	3949669	32705	5/14/2015	111146	cpm	-1.32
728341.3	3949670	31966	5/14/2015	111147	cpm	-1.79
728341.9	3949671	33371	5/14/2015	111148	cpm	-0.90
728342.7	3949671	38763	5/14/2015	111149	cpm	2.51
728343.5	3949672	39690	5/14/2015	111150	cpm	3.10
728344.3	3949673	35512	5/14/2015	111151	cpm	0.45
728345.1	3949673	31424	5/14/2015	111152	cpm	-2.13
728347.7	3949674	30239	5/14/2015	111155	cpm	-2.88
728348.4	3949675	32609	5/14/2015	111156	cpm	-1.38
728349.2	3949675	31702	5/14/2015	111157	cpm	-1.96
728349.9	3949676	30665	5/14/2015	111158	cpm	-2.61
728350.4	3949677	31996	5/14/2015	111159	cpm	-1.77
728350.8	3949678	32719	5/14/2015	111200	cpm	-1.31
728351.5	3949678	32509	5/14/2015	111201	cpm	-1.45
728352.2	3949679	36862	5/14/2015	111202	cpm	1.31
728354.1	3949681	37006	5/14/2015	111205	cpm	1.40
728354.5	3949682	34001	5/14/2015	111206	cpm	-0.50
728354.9	3949683	35440	5/14/2015	111207	cpm	0.41
728355.5	3949683	33880	5/14/2015	111208	cpm	-0.58
728355.8	3949684	33940	5/14/2015	111209	cpm	-0.54
728356.4	3949684	36895	5/14/2015	111210	cpm	1.33
728356.7	3949685	36103	5/14/2015	111211	cpm	0.83
728358.1	3949686	37289	5/14/2015	111213	cpm	1.58
728358.5	3949686	38992	5/14/2015	111214	cpm	2.66
728358.9	3949686	39658	5/14/2015	111215	cpm	3.08
728359.2	3949687	44594	5/14/2015	111216	cpm	6.21
728359.6	3949687	51978	5/14/2015	111217	cpm	10.88
728360	3949688	57364	5/14/2015	111218	cpm	14.29
728360.3	3949688	65731	5/14/2015	111219	cpm	19.59
728360.5	3949688	61642	5/14/2015	111220	cpm	17.00
728361	3949689	72050	5/14/2015	111222	cpm	23.59
728361.1	3949689	70992	5/14/2015	111223	cpm	22.92
728361.4	3949690	68268	5/14/2015	111224	cpm	21.20
728361.6	3949690	65727	5/14/2015	111225	cpm	19.59
728361.8	3949690	64041	5/14/2015	111226	cpm	18.52

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728362	3949691	59930	5/14/2015	111227	cpm	15.92
728362.3	3949691	62892	5/14/2015	111228	cpm	17.79
728362.6	3949691	63303	5/14/2015	111229	cpm	18.05
728363.2	3949692	58728	5/14/2015	111231	cpm	15.16
728363.7	3949692	57882	5/14/2015	111232	cpm	14.62
728363.9	3949692	55270	5/14/2015	111233	cpm	12.97
728364.3	3949693	57527	5/14/2015	111234	cpm	14.40
728364.6	3949693	57941	5/14/2015	111235	cpm	14.66
728364.8	3949693	57955	5/14/2015	111236	cpm	14.67
728364.9	3949693	57599	5/14/2015	111237	cpm	14.44
728364.6	3949693	54675	5/14/2015	111238	cpm	12.59
728363.6	3949693	56808	5/14/2015	111240	cpm	13.94
728363.5	3949693	57072	5/14/2015	111241	cpm	14.11
728363.5	3949693	58938	5/14/2015	111242	cpm	15.29
728363.5	3949693	54844	5/14/2015	111243	cpm	12.70
728363.5	3949693	54601	5/14/2015	111244	cpm	12.54
728363.5	3949693	55800	5/14/2015	111245	cpm	13.30
728363.5	3949693	58470	5/14/2015	111246	cpm	14.99
728363.5	3949693	56147	5/14/2015	111248	cpm	13.52
728363.4	3949693	51386	5/14/2015	111249	cpm	10.51
728363.5	3949693	52266	5/14/2015	111250	cpm	11.06
728363.5	3949693	50746	5/14/2015	111251	cpm	10.10
728363.5	3949693	55916	5/14/2015	111252	cpm	13.38
728363.5	3949693	52919	5/14/2015	111253	cpm	11.48
728363.5	3949693	51120	5/14/2015	111254	cpm	10.34
728363.5	3949693	52080	5/14/2015	111255	cpm	10.95
728363.4	3949693	59355	5/14/2015	111257	cpm	15.55
728363	3949693	54138	5/14/2015	111258	cpm	12.25
728363.4	3949693	55204	5/14/2015	111259	cpm	12.93
728363.9	3949693	50971	5/14/2015	111300	cpm	10.24
728364.4	3949693	58282	5/14/2015	111301	cpm	14.87
728364.9	3949694	58550	5/14/2015	111302	cpm	15.04
728365.2	3949693	62127	5/14/2015	111303	cpm	17.31
728365.7	3949693	59510	5/14/2015	111305	cpm	15.65
728365.7	3949693	57537	5/14/2015	111306	cpm	14.40
728365.7	3949693	56204	5/14/2015	111307	cpm	13.56
728365.6	3949693	58841	5/14/2015	111308	cpm	15.23
728365.6	3949693	60940	5/14/2015	111309	cpm	16.56
728365.7	3949693	56425	5/14/2015	111310	cpm	13.70
728365.7	3949693	52956	5/14/2015	111311	cpm	11.50
728365.6	3949693	59529	5/14/2015	111313	cpm	15.66
728365.7	3949693	60452	5/14/2015	111314	cpm	16.25

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728365.7	3949693	59393	5/14/2015	111315	cpm	15.58
728365.7	3949693	59188	5/14/2015	111316	cpm	15.45
728365.7	3949693	57997	5/14/2015	111317	cpm	14.69
728365.7	3949693	61689	5/14/2015	111318	cpm	17.03
728365.7	3949693	59762	5/14/2015	111319	cpm	15.81
728365.7	3949693	62670	5/14/2015	111320	cpm	17.65
728365.7	3949693	59627	5/14/2015	111322	cpm	15.73
728365.7	3949693	53816	5/14/2015	111323	cpm	12.05
728365.8	3949693	52994	5/14/2015	111324	cpm	11.53
728365.7	3949693	56868	5/14/2015	111325	cpm	13.98
728365.8	3949693	56067	5/14/2015	111326	cpm	13.47
728366.2	3949693	57126	5/14/2015	111327	cpm	14.14
728366.9	3949693	55561	5/14/2015	111328	cpm	13.15
728368.7	3949694	47775	5/14/2015	111330	cpm	8.22
728369.2	3949694	48693	5/14/2015	111331	cpm	8.80
728369.8	3949695	47543	5/14/2015	111332	cpm	8.07
728370.1	3949695	48636	5/14/2015	111333	cpm	8.77
728370.6	3949696	53979	5/14/2015	111334	cpm	12.15
728371.2	3949696	59064	5/14/2015	111335	cpm	15.37
728371.9	3949696	67836	5/14/2015	111336	cpm	20.92
728373	3949697	61854	5/14/2015	111338	cpm	17.14
728373.5	3949697	54883	5/14/2015	111339	cpm	12.72
728373.6	3949697	50291	5/14/2015	111340	cpm	9.81
728373.5	3949697	49712	5/14/2015	111341	cpm	9.45
728373.5	3949697	52028	5/14/2015	111342	cpm	10.91
728373	3949697	61457	5/14/2015	111343	cpm	16.88
728373	3949696	63994	5/14/2015	111344	cpm	18.49
728372.7	3949696	72669	5/14/2015	111346	cpm	23.99
728372.7	3949696	75257	5/14/2015	111347	cpm	25.62
728372.7	3949696	73864	5/14/2015	111348	cpm	24.74
728372.7	3949696	72016	5/14/2015	111349	cpm	23.57
728372.7	3949697	71584	5/14/2015	111350	cpm	23.30
728372.8	3949697	70156	5/14/2015	111351	cpm	22.39
728372.7	3949696	72979	5/14/2015	111352	cpm	24.18
728372.5	3949697	73324	5/14/2015	111353	cpm	24.40
728372.6	3949697	73987	5/14/2015	111355	cpm	24.82
728372.6	3949697	72407	5/14/2015	111356	cpm	23.82
728372.6	3949697	72791	5/14/2015	111357	cpm	24.06
728372.5	3949697	69558	5/14/2015	111358	cpm	22.02
728372.5	3949697	67339	5/14/2015	111359	cpm	20.61
728372.8	3949696	69784	5/14/2015	111400	cpm	22.16
728372.8	3949696	66392	5/14/2015	111401	cpm	20.01

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) y = 1579.1x + 34794
728372.7	3949696	68434	5/14/2015	111402	cpm	21.30
728372	3949697	73367	5/14/2015	111404	cpm	24.43
728372	3949697	78611	5/14/2015	111405	cpm	27.75
728372	3949697	74373	5/14/2015	111406	cpm	25.06
728372.1	3949697	77363	5/14/2015	111407	cpm	26.96
728372.3	3949697	74300	5/14/2015	111408	cpm	25.02
728372.6	3949697	73775	5/14/2015	111409	cpm	24.69
728372.7	3949697	68033	5/14/2015	111410	cpm	21.05
728373	3949698	63418	5/14/2015	111411	cpm	18.13
728372.5	3949699	60086	5/14/2015	111413	cpm	16.02
728371.7	3949699	61131	5/14/2015	111414	cpm	16.68
728371	3949698	66432	5/14/2015	111415	cpm	20.04
728370.3	3949698	69168	5/14/2015	111416	cpm	21.77
728369.5	3949698	58272	5/14/2015	111417	cpm	14.87
728368.7	3949697	45018	5/14/2015	111418	cpm	6.47
728367.9	3949697	47494	5/14/2015	111419	cpm	8.04
728366.6	3949697	47563	5/14/2015	111421	cpm	8.09
728365.9	3949696	48281	5/14/2015	111422	cpm	8.54
728365.6	3949696	52030	5/14/2015	111423	cpm	10.92
728365.5	3949696	54287	5/14/2015	111424	cpm	12.34
728365.3	3949696	51911	5/14/2015	111425	cpm	10.84
728364.8	3949696	50838	5/14/2015	111426	cpm	10.16
728364.3	3949696	46429	5/14/2015	111427	cpm	7.37
728364.6	3949697	43829	5/14/2015	111429	cpm	5.72
728365.2	3949698	41887	5/14/2015	111430	cpm	4.49
728365.9	3949698	42211	5/14/2015	111431	cpm	4.70
728366.5	3949699	39652	5/14/2015	111432	cpm	3.08
728367.2	3949699	40873	5/14/2015	111433	cpm	3.85
728368	3949699	43548	5/14/2015	111434	cpm	5.54
728368.6	3949700	39927	5/14/2015	111435	cpm	3.25
728369.2	3949700	38668	5/14/2015	111436	cpm	2.45
728370.4	3949701	37987	5/14/2015	111438	cpm	2.02
728371	3949701	38206	5/14/2015	111439	cpm	2.16
728371.7	3949701	48521	5/14/2015	111440	cpm	8.69
728372.5	3949701	52690	5/14/2015	111441	cpm	11.33
728373.2	3949701	48032	5/14/2015	111442	cpm	8.38
728374	3949701	46328	5/14/2015	111443	cpm	7.30
728374.7	3949702	41822	5/14/2015	111444	cpm	4.45
728376.3	3949702	35951	5/14/2015	111446	cpm	0.73
728376.8	3949703	31758	5/14/2015	111447	cpm	-1.92
728377.4	3949703	32449	5/14/2015	111448	cpm	-1.49
728377.8	3949703	32832	5/14/2015	111449	cpm	-1.24

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728378.2	3949703	29598	5/14/2015	111450	cpm	-3.29
728378.7	3949703	30469	5/14/2015	111451	cpm	-2.74
728378.9	3949703	33657	5/14/2015	111452	cpm	-0.72
728378.9	3949703	35324	5/14/2015	111453	cpm	0.34
728378.9	3949703	32125	5/14/2015	111455	cpm	-1.69
728379.3	3949703	35121	5/14/2015	111456	cpm	0.21
728379.7	3949702	34910	5/14/2015	111457	cpm	0.07
728380.2	3949702	29427	5/14/2015	111458	cpm	-3.40
728380.7	3949701	34057	5/14/2015	111459	cpm	-0.47
728381.3	3949701	34344	5/14/2015	111500	cpm	-0.28
728381.6	3949700	34686	5/14/2015	111501	cpm	-0.07
728382	3949700	38197	5/14/2015	111502	cpm	2.16
728382.6	3949698	38709	5/14/2015	111504	cpm	2.48
728383.2	3949698	43577	5/14/2015	111505	cpm	5.56
728383.6	3949698	42064	5/14/2015	111506	cpm	4.60
728384	3949698	47686	5/14/2015	111507	cpm	8.16
728384.6	3949697	42731	5/14/2015	111508	cpm	5.03
728385	3949697	42633	5/14/2015	111509	cpm	4.96
728385.3	3949697	42938	5/14/2015	111510	cpm	5.16
728385.7	3949697	41364	5/14/2015	111511	cpm	4.16
728385.9	3949696	39522	5/14/2015	111512	cpm	2.99
728386.2	3949696	43030	5/14/2015	111514	cpm	5.22
728386.2	3949696	38237	5/14/2015	111515	cpm	2.18
728386.2	3949696	39589	5/14/2015	111516	cpm	3.04
728386.2	3949696	43707	5/14/2015	111517	cpm	5.64
728386.1	3949696	42667	5/14/2015	111518	cpm	4.99
728386.1	3949696	40906	5/14/2015	111519	cpm	3.87
728386.1	3949696	40526	5/14/2015	111520	cpm	3.63
728386.1	3949696	41998	5/14/2015	111521	cpm	4.56
728386.1	3949696	42839	5/14/2015	111523	cpm	5.09
728386.1	3949696	40560	5/14/2015	111524	cpm	3.65
728386.1	3949696	38490	5/14/2015	111525	cpm	2.34
728386.1	3949696	39142	5/14/2015	111526	cpm	2.75
728386.1	3949696	42065	5/14/2015	111527	cpm	4.60
728386.2	3949696	42466	5/14/2015	111528	cpm	4.86
728386.3	3949696	44666	5/14/2015	111529	cpm	6.25
728386.3	3949695	44466	5/14/2015	111530	cpm	6.13
728386.3	3949696	41524	5/14/2015	111532	cpm	4.26
728385.9	3949697	44581	5/14/2015	111533	cpm	6.20
728385.6	3949698	40755	5/14/2015	111534	cpm	3.77
728385.1	3949699	41088	5/14/2015	111535	cpm	3.99
728384.3	3949700	37572	5/14/2015	111536	cpm	1.76

Surface Gamma Scans  
Vent Hole 3 Assessment Area - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728383.3	3949701	40443	5/14/2015	111537	cpm	3.58
728382.2	3949701	37350	5/14/2015	111538	cpm	1.62
728381.3	3949702	33197	5/14/2015	111539	cpm	-1.01
728379.8	3949704	32809	5/14/2015	111541	cpm	-1.26
728379.1	3949705	32172	5/14/2015	111542	cpm	-1.66
728378.5	3949706	34383	5/14/2015	111543	cpm	-0.26
728377.8	3949707	30465	5/14/2015	111544	cpm	-2.74
728376.9	3949708	34046	5/14/2015	111545	cpm	-0.47
728376.3	3949709	30831	5/14/2015	111546	cpm	-2.51
728375.6	3949710	29608	5/14/2015	111547	cpm	-3.28
728374.1	3949712	34040	5/14/2015	111549	cpm	-0.48
728373.4	3949713	35030	5/14/2015	111550	cpm	0.15
728372.6	3949714	32697	5/14/2015	111551	cpm	-1.33
728372	3949714	36134	5/14/2015	111552	cpm	0.85
728371.8	3949714	33573	5/14/2015	111553	cpm	-0.77
728371.8	3949714	33473	5/14/2015	111554	cpm	-0.84
728371.5	3949715	32458	5/14/2015	111555	cpm	-1.48
728371.6	3949714	35328	5/14/2015	111556	cpm	0.34
728371.6	3949714	34512	5/14/2015	111558	cpm	-0.18
728371.6	3949714	32598	5/14/2015	111559	cpm	-1.39
	mean	37383			mean	1.64
	min	25574			min	-5.84
	max	90884			max	35.5
	stdev	9489			stdev	6.01

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728194.6	3949748	30973	5/14/2015	085449	cpm	-2.42
728194.6	3949748	30483	5/14/2015	085451	cpm	-2.73
728194.6	3949748	30090	5/14/2015	085452	cpm	-2.98
728194.6	3949748	30292	5/14/2015	085453	cpm	-2.85
728194.5	3949748	29743	5/14/2015	085454	cpm	-3.20
728194.4	3949748	31676	5/14/2015	085455	cpm	-1.97
728194.1	3949748	36149	5/14/2015	085456	cpm	0.86
728193.8	3949749	34027	5/14/2015	085457	cpm	-0.49
728193.8	3949749	32326	5/14/2015	085458	cpm	-1.56
728193.7	3949750	32771	5/14/2015	085459	cpm	-1.28
728193.7	3949750	35553	5/14/2015	085500	cpm	0.48
728193.5	3949751	34328	5/14/2015	085501	cpm	-0.30
728193.4	3949751	33002	5/14/2015	085502	cpm	-1.13
728193.3	3949752	31740	5/14/2015	085503	cpm	-1.93
728192.8	3949753	30828	5/14/2015	085505	cpm	-2.51
728192.6	3949753	29247	5/14/2015	085506	cpm	-3.51
728192.7	3949754	34552	5/14/2015	085507	cpm	-0.15
728192.7	3949754	30238	5/14/2015	085508	cpm	-2.89
728193	3949755	31319	5/14/2015	085509	cpm	-2.20
728193.1	3949755	31230	5/14/2015	085510	cpm	-2.26
728193.2	3949756	32557	5/14/2015	085511	cpm	-1.42
728193.2	3949756	34089	5/14/2015	085512	cpm	-0.45
728193	3949758	33833	5/14/2015	085514	cpm	-0.61
728193.1	3949758	32068	5/14/2015	085515	cpm	-1.73
728192.9	3949759	33451	5/14/2015	085517	cpm	-0.85
728192.9	3949760	38002	5/14/2015	085518	cpm	2.03
728192.6	3949761	32112	5/14/2015	085520	cpm	-1.70
728192.5	3949762	33528	5/14/2015	085521	cpm	-0.80
728192.3	3949763	31345	5/14/2015	085523	cpm	-2.18
728192.1	3949763	30756	5/14/2015	085524	cpm	-2.56
728191.3	3949763	33459	5/14/2015	085526	cpm	-0.85
728190.7	3949763	30625	5/14/2015	085527	cpm	-2.64
728189.7	3949763	30684	5/14/2015	085529	cpm	-2.60
728189.1	3949763	29181	5/14/2015	085530	cpm	-3.55
728188	3949763	30166	5/14/2015	085532	cpm	-2.93
728187.6	3949764	29231	5/14/2015	085533	cpm	-3.52
728187.1	3949764	31788	5/14/2015	085534	cpm	-1.90
728186.6	3949764	31887	5/14/2015	085535	cpm	-1.84
728186.1	3949764	29721	5/14/2015	085536	cpm	-3.21
728185.5	3949764	33170	5/14/2015	085537	cpm	-1.03
728185.4	3949763	34092	5/14/2015	085538	cpm	-0.44
728185.5	3949763	34263	5/14/2015	085539	cpm	-0.34

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728185.5	3949762	31605	5/14/2015	085540	cpm	-2.02
728185.5	3949762	31781	5/14/2015	085541	cpm	-1.91
728185.8	3949761	35035	5/14/2015	085542	cpm	0.15
728185.9	3949761	36179	5/14/2015	085543	cpm	0.88
728186.2	3949760	36944	5/14/2015	085544	cpm	1.36
728186.4	3949760	33836	5/14/2015	085545	cpm	-0.61
728186.7	3949759	36179	5/14/2015	085546	cpm	0.88
728186.8	3949759	31754	5/14/2015	085547	cpm	-1.93
728187.1	3949758	31038	5/14/2015	085548	cpm	-2.38
728187.5	3949757	29509	5/14/2015	085550	cpm	-3.35
728187.8	3949757	32335	5/14/2015	085551	cpm	-1.56
728188.3	3949756	32923	5/14/2015	085553	cpm	-1.18
728188.6	3949756	35890	5/14/2015	085554	cpm	0.69
728189.6	3949756	34125	5/14/2015	085556	cpm	-0.42
728190.2	3949756	33491	5/14/2015	085557	cpm	-0.83
728190.7	3949756	31173	5/14/2015	085558	cpm	-2.29
728191.7	3949756	32677	5/14/2015	085600	cpm	-1.34
728192.5	3949757	35589	5/14/2015	085602	cpm	0.50
728193.4	3949757	33941	5/14/2015	085604	cpm	-0.54
728194.4	3949757	36081	5/14/2015	085606	cpm	0.82
728195.3	3949758	32412	5/14/2015	085608	cpm	-1.51
728196	3949758	27338	5/14/2015	085610	cpm	-4.72
728195.4	3949759	31356	5/14/2015	085612	cpm	-2.18
728194.6	3949759	33227	5/14/2015	085614	cpm	-0.99
728193.8	3949760	31319	5/14/2015	085616	cpm	-2.20
728193.1	3949760	32257	5/14/2015	085618	cpm	-1.61
728192.3	3949761	34086	5/14/2015	085620	cpm	-0.45
728191.5	3949761	32670	5/14/2015	085622	cpm	-1.35
728190.9	3949762	32147	5/14/2015	085624	cpm	-1.68
728190.2	3949762	34386	5/14/2015	085626	cpm	-0.26
728189.5	3949763	33611	5/14/2015	085628	cpm	-0.75
728189	3949763	32283	5/14/2015	085629	cpm	-1.59
728188.5	3949764	34500	5/14/2015	085630	cpm	-0.19
728188	3949764	34305	5/14/2015	085631	cpm	-0.31
728187.4	3949764	27656	5/14/2015	085632	cpm	-4.52
728186.8	3949764	30194	5/14/2015	085633	cpm	-2.91
728186.1	3949764	32058	5/14/2015	085634	cpm	-1.73
728185.6	3949764	34954	5/14/2015	085635	cpm	0.10
728185	3949764	30698	5/14/2015	085636	cpm	-2.59
728184.7	3949765	31344	5/14/2015	085637	cpm	-2.18
728184.2	3949765	31446	5/14/2015	085638	cpm	-2.12
728183.9	3949766	30451	5/14/2015	085639	cpm	-2.75



Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728183.9	3949766	32422	5/14/2015	085640	cpm	-1.50
728184.1	3949767	34745	5/14/2015	085641	cpm	-0.03
728184.4	3949767	30616	5/14/2015	085642	cpm	-2.65
728184.6	3949768	30454	5/14/2015	085643	cpm	-2.75
728185	3949768	33443	5/14/2015	085644	cpm	-0.86
728185.2	3949769	29841	5/14/2015	085645	cpm	-3.14
728185.8	3949769	29540	5/14/2015	085646	cpm	-3.33
728186.2	3949769	30695	5/14/2015	085647	cpm	-2.60
728186.8	3949769	31163	5/14/2015	085648	cpm	-2.30
728187.2	3949769	30501	5/14/2015	085649	cpm	-2.72
728187.7	3949770	31895	5/14/2015	085650	cpm	-1.84
728188.2	3949770	31403	5/14/2015	085651	cpm	-2.15
728188.5	3949769	30291	5/14/2015	085652	cpm	-2.85
728188.9	3949769	32382	5/14/2015	085653	cpm	-1.53
728188.8	3949768	31585	5/14/2015	085654	cpm	-2.03
728189	3949768	31476	5/14/2015	085655	cpm	-2.10
728188.9	3949767	32799	5/14/2015	085656	cpm	-1.26
728189.3	3949767	30249	5/14/2015	085657	cpm	-2.88
728189.4	3949766	31112	5/14/2015	085658	cpm	-2.33
728189.7	3949766	33548	5/14/2015	085659	cpm	-0.79
728189.9	3949765	34037	5/14/2015	085700	cpm	-0.48
728190.3	3949765	31279	5/14/2015	085701	cpm	-2.23
728190.5	3949765	30409	5/14/2015	085702	cpm	-2.78
728190.9	3949764	31782	5/14/2015	085703	cpm	-1.91
728190.8	3949764	32275	5/14/2015	085704	cpm	-1.60
728190.7	3949763	31049	5/14/2015	085705	cpm	-2.37
728190.4	3949763	30562	5/14/2015	085706	cpm	-2.68
728190	3949763	31610	5/14/2015	085707	cpm	-2.02
728189.4	3949763	36072	5/14/2015	085708	cpm	0.81
728188.9	3949763	33888	5/14/2015	085709	cpm	-0.57
728188.4	3949763	31272	5/14/2015	085710	cpm	-2.23
728188	3949763	31578	5/14/2015	085711	cpm	-2.04
728187.5	3949763	32884	5/14/2015	085712	cpm	-1.21
728187	3949763	36211	5/14/2015	085713	cpm	0.90
728186.5	3949763	34732	5/14/2015	085714	cpm	-0.04
728186.1	3949763	32923	5/14/2015	085715	cpm	-1.18
728185.7	3949763	31361	5/14/2015	085716	cpm	-2.17
728185.5	3949763	29800	5/14/2015	085717	cpm	-3.16
728185.7	3949764	33400	5/14/2015	085718	cpm	-0.88
728186.1	3949764	33100	5/14/2015	085719	cpm	-1.07
728186.7	3949764	32155	5/14/2015	085720	cpm	-1.67
728187.2	3949764	29758	5/14/2015	085721	cpm	-3.19

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728187.6	3949765	31979	5/14/2015	085722	cpm	-1.78
728188	3949765	32055	5/14/2015	085723	cpm	-1.73
728188.5	3949765	33273	5/14/2015	085724	cpm	-0.96
728189.1	3949765	32138	5/14/2015	085725	cpm	-1.68
728189.7	3949765	30084	5/14/2015	085726	cpm	-2.98
728190.4	3949765	31971	5/14/2015	085727	cpm	-1.79
728190.8	3949766	30312	5/14/2015	085728	cpm	-2.84
728191.4	3949766	33528	5/14/2015	085729	cpm	-0.80
728191.9	3949766	34572	5/14/2015	085730	cpm	-0.14
728192.2	3949767	34083	5/14/2015	085731	cpm	-0.45
728192.3	3949767	33870	5/14/2015	085732	cpm	-0.59
728192.2	3949768	33157	5/14/2015	085733	cpm	-1.04
728191.8	3949768	31779	5/14/2015	085734	cpm	-1.91
728191.4	3949768	33505	5/14/2015	085735	cpm	-0.82
728190.9	3949769	36516	5/14/2015	085736	cpm	1.09
728190.4	3949769	31419	5/14/2015	085737	cpm	-2.14
728190	3949769	31404	5/14/2015	085738	cpm	-2.15
728189.4	3949769	30321	5/14/2015	085739	cpm	-2.83
728189.1	3949769	29990	5/14/2015	085740	cpm	-3.04
728188.6	3949770	28947	5/14/2015	085741	cpm	-3.70
728188	3949770	30787	5/14/2015	085742	cpm	-2.54
728187.4	3949770	30136	5/14/2015	085743	cpm	-2.95
728186.8	3949769	30904	5/14/2015	085744	cpm	-2.46
728186.2	3949769	29416	5/14/2015	085745	cpm	-3.41
728185.6	3949769	32944	5/14/2015	085746	cpm	-1.17
728185.1	3949769	33496	5/14/2015	085747	cpm	-0.82
728184.4	3949768	33364	5/14/2015	085748	cpm	-0.91
728184.1	3949768	29521	5/14/2015	085749	cpm	-3.34
728183.8	3949767	29490	5/14/2015	085750	cpm	-3.36
728183.5	3949767	31402	5/14/2015	085751	cpm	-2.15
728183.1	3949766	30500	5/14/2015	085752	cpm	-2.72
728182.9	3949766	31775	5/14/2015	085753	cpm	-1.91
728182.5	3949765	31913	5/14/2015	085754	cpm	-1.82
728182.1	3949765	31948	5/14/2015	085755	cpm	-1.80
728181.6	3949764	32317	5/14/2015	085756	cpm	-1.57
728181.1	3949764	29859	5/14/2015	085757	cpm	-3.13
728180.7	3949764	31074	5/14/2015	085758	cpm	-2.36
728180.1	3949764	31948	5/14/2015	085759	cpm	-1.80
728179.8	3949763	33277	5/14/2015	085800	cpm	-0.96
728179.3	3949763	30219	5/14/2015	085801	cpm	-2.90
728179.3	3949762	30024	5/14/2015	085802	cpm	-3.02
728178.8	3949762	32226	5/14/2015	085803	cpm	-1.63

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728178.6	3949761	32476	5/14/2015	085804	cpm	-1.47
728178.2	3949761	34099	5/14/2015	085805	cpm	-0.44
728178.4	3949760	34264	5/14/2015	085806	cpm	-0.34
728178.8	3949760	30826	5/14/2015	085807	cpm	-2.51
728179.3	3949760	31766	5/14/2015	085808	cpm	-1.92
728179.9	3949760	33291	5/14/2015	085809	cpm	-0.95
728180.3	3949759	36043	5/14/2015	085810	cpm	0.79
728180.9	3949759	32260	5/14/2015	085811	cpm	-1.60
728180.7	3949759	30895	5/14/2015	085812	cpm	-2.47
728180.9	3949758	31033	5/14/2015	085813	cpm	-2.38
728180.5	3949758	28968	5/14/2015	085814	cpm	-3.69
728180.3	3949758	35172	5/14/2015	085815	cpm	0.24
728180.1	3949757	33603	5/14/2015	085816	cpm	-0.75
728180.2	3949757	33540	5/14/2015	085817	cpm	-0.79
728180.2	3949756	31365	5/14/2015	085818	cpm	-2.17
728180	3949756	31931	5/14/2015	085819	cpm	-1.81
728180	3949755	32043	5/14/2015	085820	cpm	-1.74
728179.9	3949754	34530	5/14/2015	085821	cpm	-0.17
728179.9	3949754	33382	5/14/2015	085822	cpm	-0.89
728179.8	3949753	31415	5/14/2015	085823	cpm	-2.14
728180.3	3949753	36264	5/14/2015	085824	cpm	0.93
728180.3	3949753	32016	5/14/2015	085825	cpm	-1.76
728329	3949618	29813	5/14/2015	090750	cpm	-3.15
728328.9	3949618	29743	5/14/2015	090751	cpm	-3.20
728328.9	3949618	29186	5/14/2015	090752	cpm	-3.55
728328.8	3949618	30336	5/14/2015	090753	cpm	-2.82
728328.9	3949618	30564	5/14/2015	090754	cpm	-2.68
728328.8	3949618	32091	5/14/2015	090755	cpm	-1.71
728328.9	3949618	32952	5/14/2015	090756	cpm	-1.17
728328.6	3949618	32328	5/14/2015	090757	cpm	-1.56
728328.2	3949618	30072	5/14/2015	090758	cpm	-2.99
728327.7	3949618	29208	5/14/2015	090759	cpm	-3.54
728327.2	3949618	28812	5/14/2015	090800	cpm	-3.79
728326.7	3949618	32013	5/14/2015	090801	cpm	-1.76
728326.2	3949618	32243	5/14/2015	090802	cpm	-1.62
728325.6	3949618	32090	5/14/2015	090803	cpm	-1.71
728325.1	3949618	33372	5/14/2015	090804	cpm	-0.90
728324.6	3949618	30273	5/14/2015	090805	cpm	-2.86
728324.1	3949618	30428	5/14/2015	090806	cpm	-2.76
728323.6	3949618	32357	5/14/2015	090807	cpm	-1.54
728323	3949618	32539	5/14/2015	090808	cpm	-1.43
728322.5	3949618	32674	5/14/2015	090809	cpm	-1.34

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728322.1	3949618	32528	5/14/2015	090810	cpm	-1.43
728321.5	3949618	29852	5/14/2015	090811	cpm	-3.13
728321	3949618	32063	5/14/2015	090812	cpm	-1.73
728320.6	3949617	30725	5/14/2015	090813	cpm	-2.58
728320.1	3949617	31891	5/14/2015	090814	cpm	-1.84
728319.6	3949617	31072	5/14/2015	090815	cpm	-2.36
728319.1	3949617	32308	5/14/2015	090816	cpm	-1.57
728318.5	3949617	34417	5/14/2015	090817	cpm	-0.24
728318.1	3949617	30054	5/14/2015	090818	cpm	-3.00
728317.6	3949617	32953	5/14/2015	090819	cpm	-1.17
728317.1	3949617	30858	5/14/2015	090820	cpm	-2.49
728316.6	3949617	32374	5/14/2015	090821	cpm	-1.53
728316.1	3949617	34103	5/14/2015	090822	cpm	-0.44
728315.6	3949617	31056	5/14/2015	090823	cpm	-2.37
728315.1	3949617	31824	5/14/2015	090824	cpm	-1.88
728314.7	3949617	30126	5/14/2015	090825	cpm	-2.96
728314.1	3949617	28681	5/14/2015	090826	cpm	-3.87
728313.5	3949617	32670	5/14/2015	090827	cpm	-1.35
728313	3949617	31657	5/14/2015	090828	cpm	-1.99
728312.6	3949617	32334	5/14/2015	090829	cpm	-1.56
728312.2	3949617	29593	5/14/2015	090830	cpm	-3.29
728311.7	3949617	31998	5/14/2015	090831	cpm	-1.77
728311.7	3949617	29389	5/14/2015	090832	cpm	-3.42
728311.3	3949618	30297	5/14/2015	090833	cpm	-2.85
728311.5	3949618	30074	5/14/2015	090834	cpm	-2.99
728311.8	3949618	31428	5/14/2015	090835	cpm	-2.13
728312.3	3949618	30027	5/14/2015	090836	cpm	-3.02
728312.8	3949618	27906	5/14/2015	090837	cpm	-4.36
728313.4	3949618	33166	5/14/2015	090838	cpm	-1.03
728313.9	3949618	31661	5/14/2015	090839	cpm	-1.98
728314.5	3949618	32995	5/14/2015	090840	cpm	-1.14
728315	3949619	29579	5/14/2015	090841	cpm	-3.30
728315.6	3949619	30224	5/14/2015	090842	cpm	-2.89
728316.1	3949619	34526	5/14/2015	090843	cpm	-0.17
728316.6	3949619	31461	5/14/2015	090844	cpm	-2.11
728317.2	3949619	36005	5/14/2015	090845	cpm	0.77
728317.7	3949619	34771	5/14/2015	090846	cpm	-0.01
728318.4	3949619	35062	5/14/2015	090847	cpm	0.17
728319.1	3949619	30185	5/14/2015	090848	cpm	-2.92
728319.7	3949619	32026	5/14/2015	090849	cpm	-1.75
728320.3	3949619	31286	5/14/2015	090850	cpm	-2.22
728320.9	3949620	35811	5/14/2015	090851	cpm	0.64

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728321.4	3949620	31153	5/14/2015	090852	cpm	-2.31
728322	3949620	29118	5/14/2015	090853	cpm	-3.59
728322.6	3949620	32239	5/14/2015	090854	cpm	-1.62
728323.1	3949620	35899	5/14/2015	090855	cpm	0.70
728323.7	3949620	38015	5/14/2015	090856	cpm	2.04
728324.3	3949620	33353	5/14/2015	090857	cpm	-0.91
728324.9	3949620	33658	5/14/2015	090858	cpm	-0.72
728325.4	3949620	33704	5/14/2015	090859	cpm	-0.69
728326	3949620	32216	5/14/2015	090900	cpm	-1.63
728326.6	3949620	31844	5/14/2015	090901	cpm	-1.87
728327.1	3949621	31361	5/14/2015	090902	cpm	-2.17
728327.7	3949621	29950	5/14/2015	090903	cpm	-3.07
728328.3	3949621	31427	5/14/2015	090904	cpm	-2.13
728328.9	3949621	33476	5/14/2015	090905	cpm	-0.83
728329.5	3949621	31589	5/14/2015	090906	cpm	-2.03
728330	3949621	30937	5/14/2015	090907	cpm	-2.44
728330.6	3949621	28224	5/14/2015	090908	cpm	-4.16
728330.7	3949621	29826	5/14/2015	090909	cpm	-3.15
728330.9	3949621	31516	5/14/2015	090910	cpm	-2.08
728330.8	3949622	30409	5/14/2015	090911	cpm	-2.78
728330.7	3949623	30282	5/14/2015	090912	cpm	-2.86
728330.3	3949623	29530	5/14/2015	090913	cpm	-3.33
728329.8	3949623	33512	5/14/2015	090914	cpm	-0.81
728329.2	3949623	34178	5/14/2015	090915	cpm	-0.39
728328.6	3949623	37224	5/14/2015	090916	cpm	1.54
728328.1	3949623	30576	5/14/2015	090917	cpm	-2.67
728327.5	3949623	31164	5/14/2015	090918	cpm	-2.30
728327	3949623	30501	5/14/2015	090919	cpm	-2.72
728326.4	3949623	28475	5/14/2015	090920	cpm	-4.00
728325.8	3949623	34478	5/14/2015	090921	cpm	-0.20
728325.2	3949623	30819	5/14/2015	090922	cpm	-2.52
728324.2	3949623	31675	5/14/2015	090923	cpm	-1.98
728324.1	3949623	29848	5/14/2015	090924	cpm	-3.13
728323.4	3949623	30592	5/14/2015	090925	cpm	-2.66
728322.8	3949623	30358	5/14/2015	090926	cpm	-2.81
728322.2	3949623	30719	5/14/2015	090927	cpm	-2.58
728321.5	3949623	31680	5/14/2015	090928	cpm	-1.97
728320.9	3949623	30840	5/14/2015	090929	cpm	-2.50
728320.2	3949623	29280	5/14/2015	090930	cpm	-3.49
728319.6	3949623	30030	5/14/2015	090931	cpm	-3.02
728319	3949622	31627	5/14/2015	090932	cpm	-2.01
728318.4	3949622	31636	5/14/2015	090933	cpm	-2.00

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728317.8	3949622	29749	5/14/2015	090934	cpm	-3.19
728317.1	3949622	30927	5/14/2015	090935	cpm	-2.45
728316.5	3949622	28312	5/14/2015	090936	cpm	-4.10
728316	3949622	29158	5/14/2015	090937	cpm	-3.57
728315.4	3949623	29549	5/14/2015	090938	cpm	-3.32
728314.8	3949623	32527	5/14/2015	090939	cpm	-1.44
728314.3	3949623	30331	5/14/2015	090940	cpm	-2.83
728313.6	3949623	32692	5/14/2015	090941	cpm	-1.33
728312.9	3949623	30343	5/14/2015	090942	cpm	-2.82
728312.2	3949623	30836	5/14/2015	090943	cpm	-2.51
728311.6	3949623	33179	5/14/2015	090944	cpm	-1.02
728311.1	3949623	31394	5/14/2015	090945	cpm	-2.15
728310.5	3949623	31548	5/14/2015	090946	cpm	-2.06
728309.9	3949622	33357	5/14/2015	090947	cpm	-0.91
728309.7	3949623	34499	5/14/2015	090948	cpm	-0.19
728309.3	3949623	33435	5/14/2015	090949	cpm	-0.86
728309.4	3949623	30078	5/14/2015	090950	cpm	-2.99
728309.9	3949624	32179	5/14/2015	090951	cpm	-1.66
728310.4	3949623	31414	5/14/2015	090952	cpm	-2.14
728311.1	3949624	31703	5/14/2015	090953	cpm	-1.96
728311.6	3949624	30996	5/14/2015	090954	cpm	-2.41
728312.1	3949624	31779	5/14/2015	090955	cpm	-1.91
728312.6	3949624	32424	5/14/2015	090956	cpm	-1.50
728313.2	3949624	31116	5/14/2015	090957	cpm	-2.33
728313.9	3949624	31059	5/14/2015	090958	cpm	-2.37
728314.5	3949624	30684	5/14/2015	090959	cpm	-2.60
728315	3949624	29451	5/14/2015	091000	cpm	-3.38
728315.5	3949624	30402	5/14/2015	091001	cpm	-2.78
728316.1	3949625	32650	5/14/2015	091002	cpm	-1.36
728316.8	3949625	33722	5/14/2015	091003	cpm	-0.68
728317.5	3949625	32520	5/14/2015	091004	cpm	-1.44
728318.1	3949625	30720	5/14/2015	091005	cpm	-2.58
728318.4	3949625	31800	5/14/2015	091006	cpm	-1.90
728319	3949625	30990	5/14/2015	091007	cpm	-2.41
728319.5	3949626	30757	5/14/2015	091008	cpm	-2.56
728320.1	3949626	27519	5/14/2015	091009	cpm	-4.61
728320.7	3949626	29740	5/14/2015	091010	cpm	-3.20
728321.2	3949626	31015	5/14/2015	091011	cpm	-2.39
728321.8	3949626	35773	5/14/2015	091012	cpm	0.62
728322.4	3949626	30603	5/14/2015	091013	cpm	-2.65
728323.1	3949626	30990	5/14/2015	091014	cpm	-2.41
728323.8	3949627	30427	5/14/2015	091015	cpm	-2.77

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728325.1	3949627	30503	5/14/2015	091017	cpm	-2.72
728326.4	3949627	32446	5/14/2015	091019	cpm	-1.49
728328.1	3949627	30258	5/14/2015	091022	cpm	-2.87
728328.7	3949626	29438	5/14/2015	091024	cpm	-3.39
728328.4	3949624	30402	5/14/2015	091028	cpm	-2.78
728327.1	3949624	33430	5/14/2015	091030	cpm	-0.86
728325.8	3949624	28346	5/14/2015	091032	cpm	-4.08
728324.6	3949624	30841	5/14/2015	091034	cpm	-2.50
728323.4	3949624	28627	5/14/2015	091036	cpm	-3.91
728322.2	3949624	31301	5/14/2015	091038	cpm	-2.21
728321.1	3949623	32916	5/14/2015	091040	cpm	-1.19
728320.6	3949623	34929	5/14/2015	091041	cpm	0.09
728320	3949623	40712	5/14/2015	091042	cpm	3.75
728319.4	3949623	35828	5/14/2015	091043	cpm	0.65
728318.9	3949623	31847	5/14/2015	091044	cpm	-1.87
728318.3	3949623	29171	5/14/2015	091045	cpm	-3.56
728317.7	3949623	30933	5/14/2015	091046	cpm	-2.45
728317.1	3949622	31973	5/14/2015	091047	cpm	-1.79
728316.6	3949622	31243	5/14/2015	091048	cpm	-2.25
728316.1	3949622	31121	5/14/2015	091049	cpm	-2.33
728315.4	3949623	28360	5/14/2015	091050	cpm	-4.07
728314.9	3949622	30130	5/14/2015	091051	cpm	-2.95
728314.4	3949623	31112	5/14/2015	091052	cpm	-2.33
728313.7	3949623	31418	5/14/2015	091053	cpm	-2.14
728313.2	3949622	29004	5/14/2015	091054	cpm	-3.67
728312.7	3949622	32361	5/14/2015	091055	cpm	-1.54
728312	3949622	31700	5/14/2015	091056	cpm	-1.96
728311.4	3949622	35195	5/14/2015	091057	cpm	0.25
728310.8	3949622	33698	5/14/2015	091058	cpm	-0.69
728310.4	3949622	32184	5/14/2015	091059	cpm	-1.65
728310.4	3949622	30636	5/14/2015	091100	cpm	-2.63
728310	3949623	32169	5/14/2015	091101	cpm	-1.66
728309.8	3949623	33782	5/14/2015	091102	cpm	-0.64
728309.4	3949624	31215	5/14/2015	091103	cpm	-2.27
728309.2	3949624	31833	5/14/2015	091104	cpm	-1.88
728308.8	3949625	28838	5/14/2015	091105	cpm	-3.77
728383.6	3949511	32141	5/14/2015	093535	cpm	-1.68
728383.7	3949511	31105	5/14/2015	093536	cpm	-2.34
728383.7	3949511	29286	5/14/2015	093537	cpm	-3.49
728383.7	3949511	30001	5/14/2015	093538	cpm	-3.04
728383.6	3949511	30030	5/14/2015	093539	cpm	-3.02
728383.6	3949511	33847	5/14/2015	093540	cpm	-0.60

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728383.7	3949511	32852	5/14/2015	093541	cpm	-1.23
728383.8	3949511	32386	5/14/2015	093542	cpm	-1.52
728383.8	3949511	34888	5/14/2015	093543	cpm	0.06
728383.7	3949511	32152	5/14/2015	093544	cpm	-1.67
728383.4	3949512	29578	5/14/2015	093545	cpm	-3.30
728383.1	3949513	34004	5/14/2015	093546	cpm	-0.50
728383	3949513	34931	5/14/2015	093547	cpm	0.09
728383	3949514	31862	5/14/2015	093548	cpm	-1.86
728383	3949515	31395	5/14/2015	093549	cpm	-2.15
728383.4	3949515	30618	5/14/2015	093550	cpm	-2.64
728383.8	3949516	30394	5/14/2015	093551	cpm	-2.79
728383.8	3949516	31808	5/14/2015	093552	cpm	-1.89
728384	3949517	32972	5/14/2015	093553	cpm	-1.15
728383.8	3949517	30983	5/14/2015	093554	cpm	-2.41
728383.9	3949518	31535	5/14/2015	093555	cpm	-2.06
728383.7	3949518	33324	5/14/2015	093556	cpm	-0.93
728383.6	3949519	33411	5/14/2015	093557	cpm	-0.88
728383.7	3949519	30042	5/14/2015	093558	cpm	-3.01
728383.6	3949520	31480	5/14/2015	093559	cpm	-2.10
728383.5	3949521	31420	5/14/2015	093600	cpm	-2.14
728383.5	3949521	32305	5/14/2015	093601	cpm	-1.58
728383.1	3949522	32766	5/14/2015	093602	cpm	-1.28
728383.1	3949522	33151	5/14/2015	093603	cpm	-1.04
728382.7	3949523	32767	5/14/2015	093604	cpm	-1.28
728382.7	3949523	31502	5/14/2015	093605	cpm	-2.08
728382.9	3949524	30435	5/14/2015	093606	cpm	-2.76
728383.4	3949524	32268	5/14/2015	093607	cpm	-1.60
728383.6	3949523	32427	5/14/2015	093608	cpm	-1.50
728383.8	3949523	30907	5/14/2015	093609	cpm	-2.46
728383.8	3949522	30556	5/14/2015	093610	cpm	-2.68
728384.1	3949522	30229	5/14/2015	093611	cpm	-2.89
728384.2	3949521	31377	5/14/2015	093612	cpm	-2.16
728384.3	3949520	29174	5/14/2015	093613	cpm	-3.56
728384.3	3949520	33183	5/14/2015	093614	cpm	-1.02
728384.3	3949519	35055	5/14/2015	093615	cpm	0.17
728384.6	3949519	31083	5/14/2015	093616	cpm	-2.35
728384.9	3949518	30631	5/14/2015	093617	cpm	-2.64
728385.3	3949517	33247	5/14/2015	093618	cpm	-0.98
728385.4	3949517	34082	5/14/2015	093619	cpm	-0.45
728385.7	3949516	30060	5/14/2015	093620	cpm	-3.00
728385.9	3949516	26895	5/14/2015	093621	cpm	-5.00
728385.9	3949515	28953	5/14/2015	093622	cpm	-3.70



Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728386	3949514	30128	5/14/2015	093623	cpm	-2.95
728386.2	3949514	32792	5/14/2015	093624	cpm	-1.27
728386.5	3949513	32108	5/14/2015	093625	cpm	-1.70
728386.8	3949513	34337	5/14/2015	093626	cpm	-0.29
728387.1	3949512	31834	5/14/2015	093627	cpm	-1.87
728387.1	3949512	32708	5/14/2015	093628	cpm	-1.32
728387.4	3949511	31217	5/14/2015	093629	cpm	-2.27
728387.9	3949511	31864	5/14/2015	093630	cpm	-1.86
728388.4	3949511	31426	5/14/2015	093631	cpm	-2.13
728388.9	3949511	32066	5/14/2015	093632	cpm	-1.73
728389.4	3949511	31656	5/14/2015	093633	cpm	-1.99
728389.9	3949511	33708	5/14/2015	093634	cpm	-0.69
728390.5	3949511	30943	5/14/2015	093635	cpm	-2.44
728390.8	3949512	27716	5/14/2015	093636	cpm	-4.48
728390.9	3949512	28859	5/14/2015	093637	cpm	-3.76
728391.1	3949513	33464	5/14/2015	093638	cpm	-0.84
728391.7	3949513	29486	5/14/2015	093639	cpm	-3.36
728392.3	3949513	30201	5/14/2015	093640	cpm	-2.91
728392.7	3949514	30350	5/14/2015	093641	cpm	-2.81
728392.7	3949515	32727	5/14/2015	093642	cpm	-1.31
728392.4	3949515	32032	5/14/2015	093643	cpm	-1.75
728391.9	3949515	35728	5/14/2015	093644	cpm	0.59
728391.7	3949516	35242	5/14/2015	093645	cpm	0.28
728391.2	3949516	31850	5/14/2015	093646	cpm	-1.86
728391	3949517	30972	5/14/2015	093647	cpm	-2.42
728390.5	3949518	30429	5/14/2015	093649	cpm	-2.76
728389.9	3949519	31676	5/14/2015	093651	cpm	-1.97
728389.4	3949520	33630	5/14/2015	093653	cpm	-0.74
728388.9	3949521	32836	5/14/2015	093655	cpm	-1.24
728387.8	3949521	31459	5/14/2015	093657	cpm	-2.11
728386.8	3949521	32386	5/14/2015	093659	cpm	-1.52
728386.3	3949520	33614	5/14/2015	093701	cpm	-0.75
728386.6	3949519	31935	5/14/2015	093703	cpm	-1.81
728387	3949518	31487	5/14/2015	093705	cpm	-2.09
728387.1	3949517	33579	5/14/2015	093707	cpm	-0.77
728387.8	3949516	31693	5/14/2015	093709	cpm	-1.96
728388.2	3949515	30300	5/14/2015	093711	cpm	-2.85
728388.6	3949514	29726	5/14/2015	093713	cpm	-3.21
728388.9	3949513	33740	5/14/2015	093715	cpm	-0.67
728389.3	3949512	30833	5/14/2015	093717	cpm	-2.51
728389.1	3949511	33899	5/14/2015	093719	cpm	-0.57
728388.1	3949511	31413	5/14/2015	093721	cpm	-2.14

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728387.8	3949511	31265	5/14/2015	093723	cpm	-2.23
728387.5	3949512	30701	5/14/2015	093725	cpm	-2.59
728387.1	3949513	34011	5/14/2015	093727	cpm	-0.50
728386.5	3949514	31795	5/14/2015	093729	cpm	-1.90
728386.4	3949515	32279	5/14/2015	093731	cpm	-1.59
728386.3	3949516	32160	5/14/2015	093732	cpm	-1.67
728386	3949517	34590	5/14/2015	093733	cpm	-0.13
728385.9	3949517	33967	5/14/2015	093734	cpm	-0.52
728385.5	3949518	35071	5/14/2015	093735	cpm	0.18
728385.3	3949518	34147	5/14/2015	093736	cpm	-0.41
728385	3949519	31577	5/14/2015	093737	cpm	-2.04
728384.5	3949519	34024	5/14/2015	093738	cpm	-0.49
728383.9	3949519	30706	5/14/2015	093739	cpm	-2.59
728383.2	3949519	32966	5/14/2015	093740	cpm	-1.16
728382.7	3949519	33141	5/14/2015	093741	cpm	-1.05
728382.4	3949518	34145	5/14/2015	093742	cpm	-0.41
728382.7	3949518	31876	5/14/2015	093743	cpm	-1.85
728383	3949517	32599	5/14/2015	093744	cpm	-1.39
728383.3	3949516	29479	5/14/2015	093745	cpm	-3.37
728383.9	3949516	33080	5/14/2015	093746	cpm	-1.09
728384.3	3949515	31790	5/14/2015	093747	cpm	-1.90
728384.8	3949515	33897	5/14/2015	093748	cpm	-0.57
728384.8	3949514	29954	5/14/2015	093749	cpm	-3.07
728385.3	3949514	29118	5/14/2015	093750	cpm	-3.59
728385.5	3949513	30979	5/14/2015	093751	cpm	-2.42
728385.8	3949512	31294	5/14/2015	093752	cpm	-2.22
728386.3	3949512	31223	5/14/2015	093753	cpm	-2.26
728386.7	3949511	31686	5/14/2015	093754	cpm	-1.97
728387.1	3949511	36631	5/14/2015	093755	cpm	1.16
728387.1	3949510	32827	5/14/2015	093756	cpm	-1.25
728387	3949509	30077	5/14/2015	093758	cpm	-2.99
728387.1	3949508	29449	5/14/2015	093759	cpm	-3.38
728387.6	3949508	30252	5/14/2015	093800	cpm	-2.88
728387.7	3949507	31353	5/14/2015	093801	cpm	-2.18
728388.2	3949506	31808	5/14/2015	093802	cpm	-1.89
728388.1	3949506	31232	5/14/2015	093803	cpm	-2.26
728387.3	3949505	32267	5/14/2015	093805	cpm	-1.60
728386.8	3949505	31226	5/14/2015	093806	cpm	-2.26
728386.3	3949505	30186	5/14/2015	093807	cpm	-2.92
728386	3949505	31726	5/14/2015	093808	cpm	-1.94
728385.9	3949506	31901	5/14/2015	093809	cpm	-1.83
728385.7	3949506	30985	5/14/2015	093810	cpm	-2.41

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728385.8	3949507	29736	5/14/2015	093811	cpm	-3.20
728385.7	3949507	30324	5/14/2015	093812	cpm	-2.83
728385.6	3949508	30111	5/14/2015	093813	cpm	-2.97
728385.6	3949509	33207	5/14/2015	093814	cpm	-1.01
728385.4	3949509	32122	5/14/2015	093815	cpm	-1.69
728385.5	3949510	33290	5/14/2015	093816	cpm	-0.95
728385.3	3949510	31452	5/14/2015	093817	cpm	-2.12
728385.1	3949511	31383	5/14/2015	093818	cpm	-2.16
728384.8	3949511	33405	5/14/2015	093819	cpm	-0.88
728384.7	3949512	31061	5/14/2015	093820	cpm	-2.36
728384.4	3949512	29515	5/14/2015	093821	cpm	-3.34
728384.2	3949513	32549	5/14/2015	093822	cpm	-1.42
728383.7	3949513	31237	5/14/2015	093823	cpm	-2.25
728383.2	3949513	31059	5/14/2015	093824	cpm	-2.37
728382.6	3949513	34644	5/14/2015	093825	cpm	-0.09
728382.2	3949512	34611	5/14/2015	093826	cpm	-0.12
728381.8	3949512	34092	5/14/2015	093827	cpm	-0.44
728381.7	3949511	30843	5/14/2015	093828	cpm	-2.50
728381.9	3949511	30930	5/14/2015	093829	cpm	-2.45
728382.5	3949510	32722	5/14/2015	093830	cpm	-1.31
728383	3949510	30320	5/14/2015	093831	cpm	-2.83
728383.7	3949510	29320	5/14/2015	093832	cpm	-3.47
728384.3	3949510	30590	5/14/2015	093833	cpm	-2.66
728384.7	3949510	30177	5/14/2015	093834	cpm	-2.92
728385.3	3949509	31094	5/14/2015	093835	cpm	-2.34
728385.7	3949509	32463	5/14/2015	093836	cpm	-1.48
728386.2	3949509	33045	5/14/2015	093837	cpm	-1.11
728386.8	3949508	34001	5/14/2015	093838	cpm	-0.50
728387.4	3949508	30760	5/14/2015	093839	cpm	-2.55
728387.6	3949507	32440	5/14/2015	093840	cpm	-1.49
728388.1	3949507	36610	5/14/2015	093841	cpm	1.15
728388.8	3949507	32102	5/14/2015	093842	cpm	-1.70
728389.4	3949507	29685	5/14/2015	093843	cpm	-3.24
728389.9	3949506	32261	5/14/2015	093844	cpm	-1.60
728390.5	3949506	33025	5/14/2015	093845	cpm	-1.12
728391.1	3949506	32736	5/14/2015	093846	cpm	-1.30
728391.8	3949506	30714	5/14/2015	093847	cpm	-2.58
728392.2	3949506	32728	5/14/2015	093848	cpm	-1.31
728392.8	3949507	31042	5/14/2015	093849	cpm	-2.38
728392.8	3949507	30950	5/14/2015	093850	cpm	-2.43
728392.6	3949508	31017	5/14/2015	093851	cpm	-2.39
728392.4	3949508	32834	5/14/2015	093852	cpm	-1.24

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728392.2	3949509	32614	5/14/2015	093853	cpm	-1.38
728391.8	3949510	33253	5/14/2015	093855	cpm	-0.98
728391.6	3949511	32648	5/14/2015	093857	cpm	-1.36
728391.1	3949512	31500	5/14/2015	093859	cpm	-2.09
728390.2	3949513	31503	5/14/2015	093901	cpm	-2.08
728389.1	3949513	33806	5/14/2015	093903	cpm	-0.63
728388.5	3949513	29841	5/14/2015	093904	cpm	-3.14
728387.9	3949513	33320	5/14/2015	093905	cpm	-0.93
728387.5	3949513	30770	5/14/2015	093906	cpm	-2.55
728405	3949485	32172	5/14/2015	094145	cpm	-1.66
728405	3949485	30153	5/14/2015	094146	cpm	-2.94
728405	3949485	28988	5/14/2015	094147	cpm	-3.68
728405	3949485	32507	5/14/2015	094148	cpm	-1.45
728405.1	3949485	35156	5/14/2015	094149	cpm	0.23
728405.2	3949485	31049	5/14/2015	094150	cpm	-2.37
728405.2	3949485	33232	5/14/2015	094151	cpm	-0.99
728405.1	3949485	33298	5/14/2015	094152	cpm	-0.95
728405.1	3949485	35042	5/14/2015	094207	cpm	0.16
728405.1	3949485	31620	5/14/2015	094208	cpm	-2.01
728405.1	3949485	34155	5/14/2015	094209	cpm	-0.40
728405.4	3949485	32688	5/14/2015	094210	cpm	-1.33
728405.6	3949485	31062	5/14/2015	094211	cpm	-2.36
728405.6	3949485	29455	5/14/2015	094212	cpm	-3.38
728405.3	3949485	33764	5/14/2015	094213	cpm	-0.65
728405.4	3949485	33671	5/14/2015	094214	cpm	-0.71
728405.9	3949484	32147	5/14/2015	094215	cpm	-1.68
728406.2	3949484	30146	5/14/2015	094216	cpm	-2.94
728406.3	3949484	34566	5/14/2015	094217	cpm	-0.14
728406.3	3949484	30901	5/14/2015	094218	cpm	-2.47
728406.7	3949484	28305	5/14/2015	094219	cpm	-4.11
728407.3	3949484	29966	5/14/2015	094220	cpm	-3.06
728407.9	3949483	34191	5/14/2015	094221	cpm	-0.38
728408.5	3949483	29758	5/14/2015	094222	cpm	-3.19
728408.9	3949482	30179	5/14/2015	094223	cpm	-2.92
728409.3	3949482	31822	5/14/2015	094224	cpm	-1.88
728409.9	3949481	31865	5/14/2015	094225	cpm	-1.85
728410.4	3949481	34066	5/14/2015	094226	cpm	-0.46
728410.1	3949481	31286	5/14/2015	094227	cpm	-2.22
728409.6	3949480	32361	5/14/2015	094228	cpm	-1.54
728409	3949480	33140	5/14/2015	094229	cpm	-1.05
728408.5	3949479	33875	5/14/2015	094230	cpm	-0.58
728408.2	3949479	35798	5/14/2015	094231	cpm	0.64

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728407.7	3949478	32619	5/14/2015	094232	cpm	-1.38
728407.4	3949478	33115	5/14/2015	094233	cpm	-1.06
728407.1	3949478	30718	5/14/2015	094234	cpm	-2.58
728406.7	3949478	30119	5/14/2015	094235	cpm	-2.96
728406.3	3949478	31770	5/14/2015	094236	cpm	-1.92
728405.7	3949477	30982	5/14/2015	094237	cpm	-2.41
728405.5	3949477	31445	5/14/2015	094238	cpm	-2.12
728405.3	3949476	32761	5/14/2015	094239	cpm	-1.29
728405	3949476	32010	5/14/2015	094240	cpm	-1.76
728404.4	3949476	32062	5/14/2015	094241	cpm	-1.73
728404	3949477	29705	5/14/2015	094242	cpm	-3.22
728403.5	3949477	29986	5/14/2015	094243	cpm	-3.04
728402.9	3949477	33056	5/14/2015	094244	cpm	-1.10
728402.4	3949477	29728	5/14/2015	094245	cpm	-3.21
728402.1	3949476	30146	5/14/2015	094246	cpm	-2.94
728401.8	3949476	29076	5/14/2015	094247	cpm	-3.62
728401.4	3949475	29289	5/14/2015	094248	cpm	-3.49
728401.1	3949474	29102	5/14/2015	094249	cpm	-3.60
728401.3	3949473	30285	5/14/2015	094250	cpm	-2.86
728401.6	3949473	30581	5/14/2015	094251	cpm	-2.67
728402.1	3949473	30505	5/14/2015	094252	cpm	-2.72
728402.6	3949472	35826	5/14/2015	094253	cpm	0.65
728403.2	3949473	31366	5/14/2015	094254	cpm	-2.17
728404.1	3949473	34661	5/14/2015	094255	cpm	-0.08
728404.8	3949473	34225	5/14/2015	094256	cpm	-0.36
728405.1	3949474	32616	5/14/2015	094257	cpm	-1.38
728405.6	3949474	33444	5/14/2015	094258	cpm	-0.85
728406.4	3949475	34821	5/14/2015	094300	cpm	0.02
728407.4	3949476	34351	5/14/2015	094302	cpm	-0.28
728407.6	3949476	33397	5/14/2015	094303	cpm	-0.88
728407.6	3949477	31487	5/14/2015	094305	cpm	-2.09
728407.2	3949477	29681	5/14/2015	094306	cpm	-3.24
728406.1	3949477	31112	5/14/2015	094308	cpm	-2.33
728405.6	3949477	31388	5/14/2015	094309	cpm	-2.16
728404.7	3949476	33461	5/14/2015	094311	cpm	-0.84
728404.2	3949475	32575	5/14/2015	094312	cpm	-1.41
728403.4	3949474	35373	5/14/2015	094314	cpm	0.37
728403	3949474	32753	5/14/2015	094315	cpm	-1.29
728402.4	3949473	30682	5/14/2015	094317	cpm	-2.60
728402	3949473	31010	5/14/2015	094318	cpm	-2.40
728401.6	3949474	32605	5/14/2015	094320	cpm	-1.39
728401.9	3949474	30531	5/14/2015	094321	cpm	-2.70

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728403	3949475	31990	5/14/2015	094323	cpm	-1.78
728403.3	3949475	33647	5/14/2015	094324	cpm	-0.73
728403.5	3949476	33431	5/14/2015	094325	cpm	-0.86
728403.9	3949476	30468	5/14/2015	094326	cpm	-2.74
728404.2	3949477	32487	5/14/2015	094327	cpm	-1.46
728404.8	3949477	30201	5/14/2015	094328	cpm	-2.91
728405.3	3949478	34460	5/14/2015	094329	cpm	-0.21
728405.7	3949478	29225	5/14/2015	094330	cpm	-3.53
728406	3949478	31246	5/14/2015	094331	cpm	-2.25
728406.3	3949479	29291	5/14/2015	094332	cpm	-3.48
728406.8	3949479	30723	5/14/2015	094333	cpm	-2.58
728407.4	3949480	33900	5/14/2015	094334	cpm	-0.57
728407.1	3949480	33375	5/14/2015	094335	cpm	-0.90
728406.7	3949481	31323	5/14/2015	094336	cpm	-2.20
728406.3	3949481	30361	5/14/2015	094337	cpm	-2.81
728405.8	3949481	32010	5/14/2015	094338	cpm	-1.76
728405.3	3949481	33742	5/14/2015	094339	cpm	-0.67
728404.9	3949481	33275	5/14/2015	094340	cpm	-0.96
728404.5	3949480	33879	5/14/2015	094341	cpm	-0.58
728404.2	3949480	30429	5/14/2015	094342	cpm	-2.76
728403.7	3949479	31217	5/14/2015	094343	cpm	-2.27
728403.3	3949479	30994	5/14/2015	094344	cpm	-2.41
728402.8	3949478	33308	5/14/2015	094345	cpm	-0.94
728402.4	3949478	33077	5/14/2015	094346	cpm	-1.09
728401.9	3949477	31309	5/14/2015	094347	cpm	-2.21
728401.7	3949477	30507	5/14/2015	094348	cpm	-2.71
728401.4	3949476	29647	5/14/2015	094349	cpm	-3.26
728400.9	3949476	30901	5/14/2015	094350	cpm	-2.47
728400.6	3949477	33825	5/14/2015	094351	cpm	-0.61
728400.1	3949477	33206	5/14/2015	094352	cpm	-1.01
728399.9	3949477	33351	5/14/2015	094353	cpm	-0.91
728399.9	3949478	30298	5/14/2015	094354	cpm	-2.85
728400.1	3949478	33164	5/14/2015	094355	cpm	-1.03
728400.1	3949479	31001	5/14/2015	094356	cpm	-2.40
728400.5	3949479	31690	5/14/2015	094357	cpm	-1.97
728400.7	3949480	35402	5/14/2015	094358	cpm	0.39
728401.1	3949480	32850	5/14/2015	094359	cpm	-1.23
728401.4	3949481	34222	5/14/2015	094400	cpm	-0.36
728401.6	3949481	35285	5/14/2015	094401	cpm	0.31
728401.2	3949482	33121	5/14/2015	094402	cpm	-1.06
728400.9	3949482	34560	5/14/2015	094403	cpm	-0.15
728400.4	3949482	35160	5/14/2015	094404	cpm	0.23

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 1579.1x + 34794$
728399.9	3949482	34290	5/14/2015	094405	cpm	-0.32
728399.5	3949482	35362	5/14/2015	094406	cpm	0.36
728399	3949482	31910	5/14/2015	094407	cpm	-1.83
728398.6	3949482	31377	5/14/2015	094408	cpm	-2.16
728398.3	3949481	32594	5/14/2015	094409	cpm	-1.39
728397.9	3949481	33078	5/14/2015	094410	cpm	-1.09
728397.9	3949480	32689	5/14/2015	094411	cpm	-1.33
728397.8	3949480	32442	5/14/2015	094412	cpm	-1.49
728397.8	3949479	30940	5/14/2015	094413	cpm	-2.44
728397.5	3949479	30835	5/14/2015	094414	cpm	-2.51
728397.6	3949478	36148	5/14/2015	094415	cpm	0.86
728397.6	3949478	31267	5/14/2015	094416	cpm	-2.23
728397.3	3949479	36556	5/14/2015	094417	cpm	1.12
728397.1	3949479	34429	5/14/2015	094418	cpm	-0.23
728396.9	3949479	32787	5/14/2015	094419	cpm	-1.27
728396.5	3949480	30037	5/14/2015	094420	cpm	-3.01
728396.5	3949480	27789	5/14/2015	094421	cpm	-4.44
728396.7	3949481	34667	5/14/2015	094422	cpm	-0.08
728396.9	3949481	31946	5/14/2015	094423	cpm	-1.80
728397.1	3949482	29916	5/14/2015	094424	cpm	-3.09
728397.1	3949482	33009	5/14/2015	094425	cpm	-1.13
728397.4	3949482	34622	5/14/2015	094426	cpm	-0.11
728397.7	3949483	34035	5/14/2015	094427	cpm	-0.48
728398.2	3949483	31638	5/14/2015	094428	cpm	-2.00
728398.8	3949482	32269	5/14/2015	094429	cpm	-1.60
728399.2	3949482	35757	5/14/2015	094430	cpm	0.61
728399.6	3949482	35069	5/14/2015	094431	cpm	0.17
728399.6	3949481	34867	5/14/2015	094432	cpm	0.05
728399.8	3949480	37636	5/14/2015	094433	cpm	1.80
728399.9	3949480	37579	5/14/2015	094434	cpm	1.76
728399.8	3949479	33724	5/14/2015	094435	cpm	-0.68
728399.8	3949478	30781	5/14/2015	094436	cpm	-2.54
728399.7	3949478	33975	5/14/2015	094437	cpm	-0.52
728400.1	3949477	30303	5/14/2015	094438	cpm	-2.84
728400.5	3949476	30496	5/14/2015	094439	cpm	-2.72
728400.9	3949476	33214	5/14/2015	094440	cpm	-1.00
728401.2	3949475	32106	5/14/2015	094441	cpm	-1.70
728401.6	3949473	32959	5/14/2015	094443	cpm	-1.16
728402.7	3949472	31250	5/14/2015	094445	cpm	-2.24
728403.9	3949473	34630	5/14/2015	094447	cpm	-0.10
728405.1	3949474	34339	5/14/2015	094449	cpm	-0.29
728406.4	3949475	31741	5/14/2015	094451	cpm	-1.93

Surface Gamma Scans  
Vent Hole 3 Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
728407.2	3949475	33045	5/14/2015	094452	cpm	-1.11
728407.9	3949475	33701	5/14/2015	094453	cpm	-0.69
728408.3	3949476	35845	5/14/2015	094454	cpm	0.67
728408.5	3949476	32331	5/14/2015	094455	cpm	-1.56
728408.4	3949477	32292	5/14/2015	094456	cpm	-1.58
728407.9	3949478	28683	5/14/2015	094457	cpm	-3.87
728407.3	3949478	30360	5/14/2015	094458	cpm	-2.81
728406.7	3949478	32640	5/14/2015	094459	cpm	-1.36
728406.1	3949478	36210	5/14/2015	094500	cpm	0.90
728405.6	3949478	32842	5/14/2015	094501	cpm	-1.24
728405	3949478	30680	5/14/2015	094502	cpm	-2.61
728404.5	3949478	32060	5/14/2015	094503	cpm	-1.73
728403.8	3949478	37985	5/14/2015	094504	cpm	2.02
728403.2	3949478	31336	5/14/2015	094505	cpm	-2.19
728402.7	3949478	36154	5/14/2015	094506	cpm	0.86
728401.7	3949479	32768	5/14/2015	094508	cpm	-1.28
728401.3	3949479	31802	5/14/2015	094509	cpm	-1.89
728400.7	3949479	31500	5/14/2015	094510	cpm	-2.09
728400.1	3949479	29355	5/14/2015	094511	cpm	-3.44
728399.4	3949479	34728	5/14/2015	094512	cpm	-0.04
728398.8	3949479	34782	5/14/2015	094513	cpm	-0.01
728398.3	3949479	32995	5/14/2015	094514	cpm	-1.14
728398.4	3949479	31139	5/14/2015	094515	cpm	-2.31
	mean	32017			mean	-1.76
	min	26895			min	-5.00
	max	40712			max	3.75
	stdev	1898			stdev	1.20



Surface Gamma Scans  
NECR Background - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
723914.4	3948875	13233	5/12/2015	103717	cpm	0.98
723914.4	3948875	13586	5/12/2015	103718	cpm	1.50
723914.4	3948875	12825	5/12/2015	103719	cpm	0.38
723914.5	3948875	13236	5/12/2015	103720	cpm	0.99
723914.4	3948876	12808	5/12/2015	103721	cpm	0.36
723914.4	3948876	12664	5/12/2015	103722	cpm	0.15
723914.4	3948876	13011	5/12/2015	103723	cpm	0.66
723914.7	3948876	12906	5/12/2015	103724	cpm	0.50
723915.1	3948876	12412	5/12/2015	103725	cpm	-0.22
723915.4	3948876	12892	5/12/2015	103726	cpm	0.48
723915.8	3948876	12786	5/12/2015	103727	cpm	0.33
723916.3	3948876	12112	5/12/2015	103728	cpm	-0.67
723916.5	3948876	12205	5/12/2015	103729	cpm	-0.53
723917	3948876	13188	5/12/2015	103730	cpm	0.92
723917.4	3948876	13051	5/12/2015	103731	cpm	0.72
723917.9	3948876	12987	5/12/2015	103733	cpm	0.62
723918.4	3948876	12828	5/12/2015	103735	cpm	0.39
723918.9	3948876	13434	5/12/2015	103737	cpm	1.28
723919.2	3948876	13188	5/12/2015	103739	cpm	0.92
723919.7	3948876	13242	5/12/2015	103741	cpm	1.00
723919.9	3948877	13516	5/12/2015	103742	cpm	1.40
723920.2	3948876	13055	5/12/2015	103743	cpm	0.72
723920.5	3948877	13081	5/12/2015	103744	cpm	0.76
723920.7	3948877	12428	5/12/2015	103745	cpm	-0.20
723921	3948877	12173	5/12/2015	103746	cpm	-0.58
723921.3	3948877	12412	5/12/2015	103747	cpm	-0.22
723921.5	3948877	12659	5/12/2015	103748	cpm	0.14
723921.8	3948877	13256	5/12/2015	103749	cpm	1.02
723922	3948877	13441	5/12/2015	103750	cpm	1.29
723922.2	3948877	13178	5/12/2015	103751	cpm	0.90
723922.5	3948877	13593	5/12/2015	103752	cpm	1.51
723922.7	3948878	13098	5/12/2015	103753	cpm	0.79
723923	3948878	12880	5/12/2015	103754	cpm	0.47
723923.3	3948878	13672	5/12/2015	103755	cpm	1.63
723923.5	3948878	13173	5/12/2015	103756	cpm	0.90
723923.7	3948878	13342	5/12/2015	103757	cpm	1.15
723924.1	3948878	13415	5/12/2015	103758	cpm	1.25
723924.4	3948879	12751	5/12/2015	103759	cpm	0.28
723924.6	3948879	13262	5/12/2015	103800	cpm	1.03
723924.9	3948879	12747	5/12/2015	103801	cpm	0.27
723925.2	3948879	12788	5/12/2015	103802	cpm	0.33
723925.6	3948879	12413	5/12/2015	103803	cpm	-0.22

Surface Gamma Scans  
NECR Background - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
723925.9	3948879	12682	5/12/2015	103804	cpm	0.17
723926.3	3948879	13179	5/12/2015	103805	cpm	0.91
723926.6	3948879	13083	5/12/2015	103806	cpm	0.76
723927.3	3948879	12391	5/12/2015	103808	cpm	-0.25
723927.8	3948879	13158	5/12/2015	103809	cpm	0.87
723928.1	3948880	13288	5/12/2015	103810	cpm	1.07
723928.6	3948880	13362	5/12/2015	103811	cpm	1.17
723928.9	3948880	13411	5/12/2015	103812	cpm	1.25
723929.2	3948880	12464	5/12/2015	103813	cpm	-0.15
723929.5	3948880	12913	5/12/2015	103814	cpm	0.51
723929.8	3948880	13931	5/12/2015	103815	cpm	2.01
723930.1	3948881	14136	5/12/2015	103816	cpm	2.31
723930.6	3948881	13614	5/12/2015	103817	cpm	1.55
723931	3948881	13980	5/12/2015	103818	cpm	2.08
723931.3	3948881	14111	5/12/2015	103819	cpm	2.28
723931.8	3948881	13907	5/12/2015	103820	cpm	1.98
723932.2	3948881	13095	5/12/2015	103821	cpm	0.78
723932.6	3948881	12976	5/12/2015	103822	cpm	0.61
723933	3948881	12601	5/12/2015	103823	cpm	0.05
723933.2	3948881	12668	5/12/2015	103824	cpm	0.15
723933.7	3948881	13186	5/12/2015	103825	cpm	0.92
723934.1	3948882	13537	5/12/2015	103826	cpm	1.43
723934.4	3948882	12894	5/12/2015	103827	cpm	0.49
723934.3	3948882	14063	5/12/2015	103828	cpm	2.21
723934.3	3948882	13520	5/12/2015	103829	cpm	1.41
723934.3	3948882	13005	5/12/2015	103830	cpm	0.65
723934.3	3948882	13870	5/12/2015	103831	cpm	1.92
723934.3	3948882	13802	5/12/2015	103832	cpm	1.82
723934.3	3948882	14378	5/12/2015	103833	cpm	2.67
723934.4	3948882	13998	5/12/2015	103834	cpm	2.11
723934.3	3948882	12861	5/12/2015	103835	cpm	0.44
723934.1	3948883	12462	5/12/2015	103836	cpm	-0.15
723933.9	3948883	12694	5/12/2015	103837	cpm	0.19
723934	3948884	13238	5/12/2015	103838	cpm	0.99
723934	3948884	13379	5/12/2015	103839	cpm	1.20
723933.9	3948885	13495	5/12/2015	103840	cpm	1.37
723933.6	3948885	13606	5/12/2015	103841	cpm	1.53
723933.5	3948886	12753	5/12/2015	103842	cpm	0.28
723933.4	3948886	12748	5/12/2015	103843	cpm	0.27
723932.6	3948886	13111	5/12/2015	103845	cpm	0.81
723931.7	3948886	13392	5/12/2015	103847	cpm	1.22
723930.7	3948885	12899	5/12/2015	103849	cpm	0.49

Surface Gamma Scans  
NECR Background - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
723929.9	3948886	13697	5/12/2015	103851	cpm	1.67
723929.5	3948885	12692	5/12/2015	103852	cpm	0.19
723929.2	3948885	12877	5/12/2015	103853	cpm	0.46
723928.8	3948885	12740	5/12/2015	103854	cpm	0.26
723928.3	3948885	12859	5/12/2015	103855	cpm	0.43
723927.8	3948885	13015	5/12/2015	103856	cpm	0.66
723927.2	3948885	13576	5/12/2015	103857	cpm	1.49
723926.9	3948886	13456	5/12/2015	103858	cpm	1.31
723926.5	3948886	13494	5/12/2015	103859	cpm	1.37
723926	3948886	13358	5/12/2015	103900	cpm	1.17
723925.7	3948886	13596	5/12/2015	103901	cpm	1.52
723925.2	3948886	13310	5/12/2015	103902	cpm	1.10
723924.8	3948885	13337	5/12/2015	103903	cpm	1.14
723924.5	3948885	13157	5/12/2015	103904	cpm	0.87
723924	3948885	13146	5/12/2015	103905	cpm	0.86
723923.7	3948884	12989	5/12/2015	103906	cpm	0.63
723923.2	3948884	12864	5/12/2015	103907	cpm	0.44
723922.7	3948884	12793	5/12/2015	103908	cpm	0.34
723922.4	3948884	12828	5/12/2015	103909	cpm	0.39
723922	3948884	12758	5/12/2015	103910	cpm	0.29
723921.5	3948884	12644	5/12/2015	103911	cpm	0.12
723921	3948884	12317	5/12/2015	103912	cpm	-0.36
723920.4	3948884	12111	5/12/2015	103913	cpm	-0.67
723920	3948884	12655	5/12/2015	103914	cpm	0.13
723919.5	3948884	12435	5/12/2015	103915	cpm	-0.19
723918.7	3948884	12567	5/12/2015	103917	cpm	0.00
723918.4	3948884	12611	5/12/2015	103918	cpm	0.07
723918.2	3948883	13229	5/12/2015	103919	cpm	0.98
723918	3948883	13824	5/12/2015	103920	cpm	1.85
723917.7	3948883	13528	5/12/2015	103921	cpm	1.42
723917.5	3948884	13474	5/12/2015	103922	cpm	1.34
723917.5	3948884	13467	5/12/2015	103923	cpm	1.33
723917.3	3948884	13670	5/12/2015	103924	cpm	1.63
723917.4	3948885	13640	5/12/2015	103925	cpm	1.58
723917.1	3948885	13342	5/12/2015	103926	cpm	1.15
723917.2	3948885	13617	5/12/2015	103927	cpm	1.55
723917.3	3948885	12722	5/12/2015	103928	cpm	0.23
723917.5	3948885	12346	5/12/2015	103929	cpm	-0.32
723917.8	3948885	12622	5/12/2015	103930	cpm	0.09
723918.1	3948886	12395	5/12/2015	103931	cpm	-0.25
723918.5	3948886	12822	5/12/2015	103932	cpm	0.38
723918.7	3948886	13077	5/12/2015	103933	cpm	0.76

Surface Gamma Scans  
NECR Background - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
723919	3948886	12966	5/12/2015	103934	cpm	0.59
723919.2	3948886	12101	5/12/2015	103935	cpm	-0.68
723919.4	3948887	12499	5/12/2015	103936	cpm	-0.10
723919.7	3948887	12978	5/12/2015	103937	cpm	0.61
723920	3948887	13593	5/12/2015	103938	cpm	1.51
723920.4	3948887	13743	5/12/2015	103939	cpm	1.74
723920.6	3948888	13550	5/12/2015	103940	cpm	1.45
723920.8	3948888	13269	5/12/2015	103941	cpm	1.04
723921.1	3948888	12414	5/12/2015	103942	cpm	-0.22
723921.5	3948888	11940	5/12/2015	103943	cpm	-0.92
723921.7	3948889	12701	5/12/2015	103944	cpm	0.20
723921.9	3948889	13266	5/12/2015	103945	cpm	1.03
723922.4	3948889	12705	5/12/2015	103947	cpm	0.21
723923	3948890	13096	5/12/2015	103949	cpm	0.78
723923.6	3948890	13852	5/12/2015	103951	cpm	1.90
723923.8	3948890	14069	5/12/2015	103952	cpm	2.22
723924.3	3948890	13516	5/12/2015	103953	cpm	1.40
723924.5	3948890	13640	5/12/2015	103954	cpm	1.58
723924.8	3948891	12877	5/12/2015	103955	cpm	0.46
723925.2	3948891	14158	5/12/2015	103956	cpm	2.35
723925.5	3948891	14317	5/12/2015	103957	cpm	2.58
723925.5	3948891	14480	5/12/2015	103958	cpm	2.82
723925.8	3948892	13852	5/12/2015	103959	cpm	1.90
723925.8	3948892	13162	5/12/2015	104000	cpm	0.88
723926	3948892	12653	5/12/2015	104001	cpm	0.13
723926.2	3948893	13237	5/12/2015	104002	cpm	0.99
723926.3	3948893	13828	5/12/2015	104003	cpm	1.86
723926.3	3948893	13313	5/12/2015	104004	cpm	1.10
723926.7	3948893	12903	5/12/2015	104005	cpm	0.50
723926.8	3948893	13266	5/12/2015	104006	cpm	1.03
723927.1	3948893	12337	5/12/2015	104007	cpm	-0.33
723927.3	3948893	12654	5/12/2015	104008	cpm	0.13
723927.4	3948893	12983	5/12/2015	104009	cpm	0.62
723927.6	3948893	13550	5/12/2015	104010	cpm	1.45
723927.6	3948892	13727	5/12/2015	104011	cpm	1.71
723927.8	3948893	13436	5/12/2015	104012	cpm	1.28
723928.2	3948893	13220	5/12/2015	104013	cpm	0.97
723929	3948893	13054	5/12/2015	104015	cpm	0.72
723929.4	3948893	13837	5/12/2015	104016	cpm	1.87
723929.9	3948893	13153	5/12/2015	104017	cpm	0.87
723929.7	3948893	13571	5/12/2015	104018	cpm	1.48
723929.7	3948894	13626	5/12/2015	104019	cpm	1.56

Surface Gamma Scans  
NECR Background - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
723929.7	3948894	13432	5/12/2015	104020	cpm	1.28
723930	3948895	13863	5/12/2015	104021	cpm	1.91
723929.9	3948895	14255	5/12/2015	104022	cpm	2.49
723929.9	3948896	14251	5/12/2015	104023	cpm	2.48
723929.5	3948896	13146	5/12/2015	104024	cpm	0.86
723929.1	3948896	13200	5/12/2015	104025	cpm	0.94
723928.8	3948896	12862	5/12/2015	104026	cpm	0.44
723928.5	3948897	12425	5/12/2015	104027	cpm	-0.20
723928.3	3948897	13274	5/12/2015	104028	cpm	1.05
723928.2	3948897	13781	5/12/2015	104029	cpm	1.79
723928.1	3948897	13677	5/12/2015	104030	cpm	1.64
723928	3948896	13738	5/12/2015	104031	cpm	1.73
723927.7	3948896	13593	5/12/2015	104032	cpm	1.51
723927.5	3948895	13218	5/12/2015	104033	cpm	0.96
723927.1	3948895	13353	5/12/2015	104034	cpm	1.16
723926.8	3948895	12768	5/12/2015	104035	cpm	0.30
723926.4	3948895	12454	5/12/2015	104036	cpm	-0.16
723926.2	3948894	12540	5/12/2015	104037	cpm	-0.04
723925.8	3948894	11719	5/12/2015	104038	cpm	-1.24
723925.4	3948894	12625	5/12/2015	104039	cpm	0.09
723924.6	3948894	12813	5/12/2015	104041	cpm	0.37
723923.7	3948894	13295	5/12/2015	104043	cpm	1.08
723923	3948893	12663	5/12/2015	104045	cpm	0.15
723922.6	3948893	13520	5/12/2015	104046	cpm	1.41
723922.3	3948893	13425	5/12/2015	104047	cpm	1.27
723921.9	3948893	13109	5/12/2015	104048	cpm	0.80
723921.5	3948893	12594	5/12/2015	104049	cpm	0.04
723921.2	3948893	13399	5/12/2015	104050	cpm	1.23
723920.8	3948892	12524	5/12/2015	104051	cpm	-0.06
723920.5	3948892	12730	5/12/2015	104052	cpm	0.24
723920.1	3948892	13168	5/12/2015	104053	cpm	0.89
723919.8	3948892	13392	5/12/2015	104054	cpm	1.22
723919.6	3948891	13653	5/12/2015	104055	cpm	1.60
723919.4	3948891	13290	5/12/2015	104056	cpm	1.07
723919.1	3948891	13310	5/12/2015	104057	cpm	1.10
723918.7	3948891	12234	5/12/2015	104058	cpm	-0.49
723918.4	3948891	12672	5/12/2015	104059	cpm	0.16
723918	3948891	12348	5/12/2015	104100	cpm	-0.32
723917.7	3948892	12330	5/12/2015	104101	cpm	-0.34
723917.3	3948892	12756	5/12/2015	104102	cpm	0.28
723916.9	3948892	12432	5/12/2015	104103	cpm	-0.19

Surface Gamma Scans  
NECR Background - Uncollimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration (pCi/g)
						$y = 679.29x + 12564$
	mean	13126			mean	0.83
	min	11719			min	-1.24
	max	14480			max	2.82
	stdev	519			stdev	0.76

Surface Gamma Scans  
NECR Background - Collimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 351.1x + 6885$
723913.4	3948876	7787	5/12/2015	105320	cpm	2.57
723913.5	3948876	8992	5/12/2015	105321	cpm	6.00
723913.4	3948876	7988	5/12/2015	105323	cpm	3.14
723913.4	3948876	7309	5/12/2015	105324	cpm	1.21
723913.9	3948876	6946	5/12/2015	105325	cpm	0.17
723914.2	3948876	6630	5/12/2015	105326	cpm	-0.73
723914.7	3948876	6436	5/12/2015	105327	cpm	-1.28
723915.2	3948876	7715	5/12/2015	105328	cpm	2.36
723915.8	3948876	7197	5/12/2015	105329	cpm	0.89
723916.3	3948876	7243	5/12/2015	105330	cpm	1.02
723917	3948877	7532	5/12/2015	105331	cpm	1.84
723917.3	3948877	7889	5/12/2015	105332	cpm	2.86
723917.8	3948877	7332	5/12/2015	105333	cpm	1.27
723918.1	3948877	7724	5/12/2015	105334	cpm	2.39
723918.5	3948877	8515	5/12/2015	105335	cpm	4.64
723918.8	3948877	7767	5/12/2015	105336	cpm	2.51
723919.2	3948877	6911	5/12/2015	105337	cpm	0.07
723919.6	3948877	6812	5/12/2015	105338	cpm	-0.21
723920	3948877	6622	5/12/2015	105339	cpm	-0.75
723920.4	3948877	6650	5/12/2015	105340	cpm	-0.67
723920.7	3948877	6905	5/12/2015	105341	cpm	0.06
723921.2	3948877	8429	5/12/2015	105342	cpm	4.40
723921.6	3948877	7269	5/12/2015	105343	cpm	1.09
723922	3948877	6826	5/12/2015	105344	cpm	-0.17
723922.2	3948878	6660	5/12/2015	105345	cpm	-0.64
723922.8	3948878	8126	5/12/2015	105346	cpm	3.53
723923.2	3948878	7608	5/12/2015	105347	cpm	2.06
723923.6	3948878	7054	5/12/2015	105348	cpm	0.48
723924	3948878	7065	5/12/2015	105349	cpm	0.51
723924.5	3948879	7357	5/12/2015	105350	cpm	1.34
723924.9	3948879	7468	5/12/2015	105351	cpm	1.66
723925.2	3948879	6863	5/12/2015	105352	cpm	-0.06
723925.7	3948879	7385	5/12/2015	105353	cpm	1.42
723926.1	3948879	7289	5/12/2015	105354	cpm	1.15
723926.7	3948879	6402	5/12/2015	105355	cpm	-1.38
723927.2	3948879	6496	5/12/2015	105356	cpm	-1.11
723927.7	3948879	6174	5/12/2015	105357	cpm	-2.03
723928.2	3948879	6510	5/12/2015	105358	cpm	-1.07
723928.7	3948880	6549	5/12/2015	105359	cpm	-0.96
723929.9	3948880	8611	5/12/2015	105401	cpm	4.92
723930.3	3948880	7499	5/12/2015	105402	cpm	1.75
723930.8	3948880	7848	5/12/2015	105403	cpm	2.74
723931.8	3948881	7284	5/12/2015	105405	cpm	1.14

Surface Gamma Scans  
NECR Background - Collimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 351.1x + 6885$
723932.5	3948881	6915	5/12/2015	105407	cpm	0.09
723933.9	3948881	8021	5/12/2015	105409	cpm	3.24
723934.4	3948881	7400	5/12/2015	105410	cpm	1.47
723934.7	3948882	7815	5/12/2015	105411	cpm	2.65
723934.7	3948882	6646	5/12/2015	105412	cpm	-0.68
723934.6	3948882	7391	5/12/2015	105413	cpm	1.44
723934.6	3948883	6430	5/12/2015	105414	cpm	-1.30
723934.3	3948883	6324	5/12/2015	105415	cpm	-1.60
723934.3	3948884	6932	5/12/2015	105416	cpm	0.13
723933.9	3948884	7552	5/12/2015	105417	cpm	1.90
723933.9	3948885	7278	5/12/2015	105418	cpm	1.12
723933.7	3948885	6974	5/12/2015	105419	cpm	0.25
723933.7	3948886	6990	5/12/2015	105420	cpm	0.30
723933.7	3948886	7607	5/12/2015	105421	cpm	2.06
723933.4	3948886	7091	5/12/2015	105422	cpm	0.59
723933	3948886	7356	5/12/2015	105423	cpm	1.34
723932.4	3948885	6838	5/12/2015	105424	cpm	-0.13
723932	3948885	7701	5/12/2015	105425	cpm	2.32
723931.5	3948885	7219	5/12/2015	105426	cpm	0.95
723930.7	3948886	7796	5/12/2015	105427	cpm	2.59
723930.8	3948885	7632	5/12/2015	105428	cpm	2.13
723929.9	3948886	8163	5/12/2015	105429	cpm	3.64
723929.5	3948886	6737	5/12/2015	105430	cpm	-0.42
723929.1	3948886	5852	5/12/2015	105431	cpm	-2.94
723928.6	3948886	5984	5/12/2015	105432	cpm	-2.57
723928.3	3948886	5676	5/12/2015	105433	cpm	-3.44
723928	3948885	7100	5/12/2015	105434	cpm	0.61
723927.5	3948886	6551	5/12/2015	105435	cpm	-0.95
723927.1	3948886	6347	5/12/2015	105436	cpm	-1.53
723926.7	3948885	5858	5/12/2015	105437	cpm	-2.93
723926	3948885	5665	5/12/2015	105438	cpm	-3.47
723925.8	3948885	4994	5/12/2015	105439	cpm	-5.39
723925.5	3948884	6019	5/12/2015	105440	cpm	-2.47
723925.1	3948884	7106	5/12/2015	105441	cpm	0.63
723925.1	3948884	7117	5/12/2015	105442	cpm	0.66
723923.8	3948884	7408	5/12/2015	105444	cpm	1.49
723923.2	3948884	6771	5/12/2015	105445	cpm	-0.32
723922.2	3948884	8000	5/12/2015	105447	cpm	3.18
723921.3	3948884	6295	5/12/2015	105449	cpm	-1.68
723920.3	3948884	6321	5/12/2015	105451	cpm	-1.61
723919.9	3948884	7006	5/12/2015	105452	cpm	0.34
723919.5	3948883	6633	5/12/2015	105453	cpm	-0.72
723919	3948883	8313	5/12/2015	105454	cpm	4.07



Surface Gamma Scans  
NECR Background - Collimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g) $y = 351.1x + 6885$
723918.6	3948883	7504	5/12/2015	105455	cpm	1.76
723918.2	3948883	8241	5/12/2015	105456	cpm	3.86
723918	3948883	8138	5/12/2015	105457	cpm	3.57
723917.9	3948882	7127	5/12/2015	105458	cpm	0.69
723917.9	3948883	7691	5/12/2015	105459	cpm	2.30
723917.8	3948883	7334	5/12/2015	105500	cpm	1.28
723917.6	3948884	6885	5/12/2015	105501	cpm	0.00
723917.6	3948884	5943	5/12/2015	105502	cpm	-2.68
723917.1	3948884	6598	5/12/2015	105503	cpm	-0.82
723917	3948884	6696	5/12/2015	105504	cpm	-0.54
723917	3948884	7876	5/12/2015	105505	cpm	2.82
723917.1	3948884	6778	5/12/2015	105506	cpm	-0.30
723917.2	3948885	6737	5/12/2015	105507	cpm	-0.42
723917.2	3948885	6047	5/12/2015	105508	cpm	-2.39
723917.5	3948885	7376	5/12/2015	105509	cpm	1.40
723917.9	3948885	7846	5/12/2015	105510	cpm	2.74
723918.2	3948886	7713	5/12/2015	105511	cpm	2.36
723918.6	3948886	7894	5/12/2015	105512	cpm	2.87
723919	3948886	6817	5/12/2015	105513	cpm	-0.19
723919.4	3948886	6437	5/12/2015	105514	cpm	-1.28
723919.7	3948886	6703	5/12/2015	105515	cpm	-0.52
723920	3948886	7475	5/12/2015	105516	cpm	1.68
723920.3	3948886	7070	5/12/2015	105517	cpm	0.53
723920.7	3948887	6399	5/12/2015	105518	cpm	-1.38
723921	3948887	6802	5/12/2015	105519	cpm	-0.24
723921.4	3948888	5978	5/12/2015	105521	cpm	-2.58
723921.3	3948888	6468	5/12/2015	105522	cpm	-1.19
723921.6	3948888	6334	5/12/2015	105523	cpm	-1.57
723921.9	3948889	6410	5/12/2015	105525	cpm	-1.35
723922.6	3948889	6799	5/12/2015	105527	cpm	-0.24
723923.1	3948889	7635	5/12/2015	105528	cpm	2.14
723923.4	3948889	8974	5/12/2015	105529	cpm	5.95
723923.7	3948890	7313	5/12/2015	105530	cpm	1.22
723923.9	3948890	7248	5/12/2015	105531	cpm	1.03
723924.2	3948891	7219	5/12/2015	105532	cpm	0.95
723924.3	3948890	7383	5/12/2015	105533	cpm	1.42
723924.9	3948890	7213	5/12/2015	105534	cpm	0.93
723925.1	3948890	7807	5/12/2015	105535	cpm	2.63
723924.6	3948890	7354	5/12/2015	105536	cpm	1.34
723924.6	3948890	7495	5/12/2015	105537	cpm	1.74
723924.6	3948890	6642	5/12/2015	105538	cpm	-0.69
723924.5	3948890	6706	5/12/2015	105539	cpm	-0.51
723924.7	3948890	6997	5/12/2015	105540	cpm	0.32

Surface Gamma Scans  
NECR Background - Collimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 351.1x + 6885$
723925	3948889	7416	5/12/2015	105541	cpm	1.51
723925.5	3948889	6721	5/12/2015	105542	cpm	-0.47
723926.8	3948890	6308	5/12/2015	105543	cpm	-1.64
723927.2	3948889	8498	5/12/2015	105544	cpm	4.59
723927.5	3948890	7645	5/12/2015	105545	cpm	2.16
723928	3948890	7368	5/12/2015	105546	cpm	1.38
723928.1	3948890	8704	5/12/2015	105547	cpm	5.18
723928.5	3948891	9208	5/12/2015	105548	cpm	6.62
723928.9	3948891	8952	5/12/2015	105549	cpm	5.89
723929.3	3948891	8080	5/12/2015	105550	cpm	3.40
723929.7	3948891	6892	5/12/2015	105551	cpm	0.02
723929.7	3948892	7409	5/12/2015	105552	cpm	1.49
723929.6	3948892	6830	5/12/2015	105553	cpm	-0.16
723929.2	3948892	7082	5/12/2015	105554	cpm	0.56
723929.1	3948893	7081	5/12/2015	105555	cpm	0.56
723929	3948893	7808	5/12/2015	105556	cpm	2.63
723928.7	3948893	7572	5/12/2015	105557	cpm	1.96
723928.9	3948893	6854	5/12/2015	105558	cpm	-0.09
723928.8	3948894	6833	5/12/2015	105559	cpm	-0.15
723928.9	3948894	7022	5/12/2015	105601	cpm	0.39
723929.2	3948895	5317	5/12/2015	105603	cpm	-4.47
723929	3948896	6669	5/12/2015	105605	cpm	-0.62
723928.9	3948896	6968	5/12/2015	105606	cpm	0.24
723928.9	3948896	6905	5/12/2015	105607	cpm	0.06
723928.4	3948896	6734	5/12/2015	105608	cpm	-0.43
723928.4	3948896	5992	5/12/2015	105609	cpm	-2.54
723928.2	3948895	6858	5/12/2015	105610	cpm	-0.08
723927.5	3948895	7405	5/12/2015	105611	cpm	1.48
723927.2	3948895	7158	5/12/2015	105612	cpm	0.78
723926.9	3948895	7094	5/12/2015	105613	cpm	0.60
723926.6	3948895	7155	5/12/2015	105614	cpm	0.77
723926.1	3948894	7362	5/12/2015	105615	cpm	1.36
723925.7	3948894	8521	5/12/2015	105616	cpm	4.66
723925.4	3948894	7110	5/12/2015	105617	cpm	0.64
723925.1	3948894	6204	5/12/2015	105618	cpm	-1.94
723924.8	3948894	7187	5/12/2015	105619	cpm	0.86
723924.4	3948894	7620	5/12/2015	105620	cpm	2.09
723923.9	3948894	7684	5/12/2015	105621	cpm	2.28
723923.5	3948894	7952	5/12/2015	105622	cpm	3.04
723923	3948894	7720	5/12/2015	105623	cpm	2.38
723922.5	3948894	6817	5/12/2015	105624	cpm	-0.19
723922.1	3948894	6587	5/12/2015	105625	cpm	-0.85
723921.6	3948894	6443	5/12/2015	105626	cpm	-1.26

Surface Gamma Scans  
NECR Background - Collimated 2x2

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 351.1x + 6885$
723921.3	3948894	6181	5/12/2015	105627	cpm	-2.01
723921.2	3948893	7729	5/12/2015	105628	cpm	2.40
723920.5	3948894	7985	5/12/2015	105629	cpm	3.13
723920.2	3948894	8864	5/12/2015	105630	cpm	5.64
723920	3948894	8076	5/12/2015	105631	cpm	3.39
723919.6	3948894	7595	5/12/2015	105632	cpm	2.02
723919.3	3948894	7422	5/12/2015	105633	cpm	1.53
723918.8	3948894	6649	5/12/2015	105635	cpm	-0.67
723918.1	3948894	7323	5/12/2015	105637	cpm	1.25
723917.4	3948893	6575	5/12/2015	105639	cpm	-0.88
723917.1	3948893	6938	5/12/2015	105640	cpm	0.15
723917	3948893	6468	5/12/2015	105641	cpm	-1.19
723917.1	3948893	7275	5/12/2015	105642	cpm	1.11
	mean	7159			mean	0.78
	min	4994			min	-5.4
	max	9208			max	6.62
	stdev	717			stdev	2.04

Surface Gamma Scans  
NECR Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
723904.3	3948875	32940	5/12/2015	101906	cpm	-1.17
723904.3	3948875	33184	5/12/2015	101907	cpm	-1.02
723904.3	3948875	32421	5/12/2015	101908	cpm	-1.50
723904.3	3948875	34091	5/12/2015	101909	cpm	-0.45
723904.3	3948875	33531	5/12/2015	101910	cpm	-0.80
723904.3	3948875	33974	5/12/2015	101911	cpm	-0.52
723904.3	3948875	35700	5/12/2015	101912	cpm	0.57
723904.3	3948875	33648	5/12/2015	101913	cpm	-0.73
723904.3	3948875	33687	5/12/2015	101914	cpm	-0.70
723904.3	3948875	33679	5/12/2015	101915	cpm	-0.71
723904.3	3948875	34169	5/12/2015	101916	cpm	-0.40
723904.3	3948875	34168	5/12/2015	101917	cpm	-0.40
723904.3	3948875	33387	5/12/2015	101918	cpm	-0.89
723904.3	3948875	32962	5/12/2015	101919	cpm	-1.16
723904.3	3948875	35026	5/12/2015	101920	cpm	0.15
723904.3	3948875	34635	5/12/2015	101921	cpm	-0.10
723904.3	3948875	33657	5/12/2015	101922	cpm	-0.72
723904.3	3948875	32492	5/12/2015	101923	cpm	-1.46
723904.4	3948875	32789	5/12/2015	101924	cpm	-1.27
723904.4	3948875	32154	5/12/2015	101925	cpm	-1.67
723904.4	3948875	34541	5/12/2015	101926	cpm	-0.16
723904.3	3948875	34257	5/12/2015	101927	cpm	-0.34
723904.4	3948875	32657	5/12/2015	101928	cpm	-1.35
723904.4	3948875	31644	5/12/2015	101929	cpm	-1.99
723904.4	3948875	31052	5/12/2015	101930	cpm	-2.37
723904.3	3948875	31897	5/12/2015	101931	cpm	-1.83
723904.3	3948875	31554	5/12/2015	101932	cpm	-2.05
723904.3	3948875	32089	5/12/2015	101933	cpm	-1.71
723904.3	3948875	32367	5/12/2015	101934	cpm	-1.54
723904.3	3948875	31204	5/12/2015	101935	cpm	-2.27
723904.4	3948875	33827	5/12/2015	101936	cpm	-0.61
723904.4	3948875	33585	5/12/2015	101937	cpm	-0.77
723904.4	3948875	33766	5/12/2015	101939	cpm	-0.65
723904.4	3948875	32373	5/12/2015	101940	cpm	-1.53
723904.4	3948875	33397	5/12/2015	101941	cpm	-0.88
723904.4	3948875	31423	5/12/2015	101942	cpm	-2.13
723904.4	3948875	31551	5/12/2015	101943	cpm	-2.05
723904.4	3948875	31345	5/12/2015	101944	cpm	-2.18
723904.4	3948875	32159	5/12/2015	101945	cpm	-1.67
723904.4	3948875	33307	5/12/2015	101946	cpm	-0.94
723904.4	3948875	33922	5/12/2015	101947	cpm	-0.55
723904.4	3948875	33609	5/12/2015	101948	cpm	-0.75

Surface Gamma Scans  
NECR Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
723904.4	3948875	32735	5/12/2015	101949	cpm	-1.30
723904.4	3948875	32858	5/12/2015	101950	cpm	-1.23
723904.4	3948875	31908	5/12/2015	101951	cpm	-1.83
723904.4	3948875	32348	5/12/2015	101952	cpm	-1.55
723904.4	3948875	32265	5/12/2015	101953	cpm	-1.60
723904.4	3948875	32482	5/12/2015	101954	cpm	-1.46
723904.4	3948875	33548	5/12/2015	101955	cpm	-0.79
723904.4	3948875	33391	5/12/2015	101956	cpm	-0.89
723904.4	3948875	32732	5/12/2015	101957	cpm	-1.31
723904.4	3948875	34297	5/12/2015	101958	cpm	-0.31
723904.4	3948875	33527	5/12/2015	101959	cpm	-0.80
723904.4	3948875	35179	5/12/2015	102000	cpm	0.24
723904.5	3948875	33280	5/12/2015	102001	cpm	-0.96
723904.4	3948875	32857	5/12/2015	102002	cpm	-1.23
723904.4	3948875	32372	5/12/2015	102003	cpm	-1.53
723904.4	3948875	32384	5/12/2015	102004	cpm	-1.53
723904.4	3948875	33899	5/12/2015	102005	cpm	-0.57
723904.4	3948875	33468	5/12/2015	102007	cpm	-0.84
723904.4	3948875	33533	5/12/2015	102008	cpm	-0.80
723904.4	3948875	33878	5/12/2015	102010	cpm	-0.58
723904.4	3948875	35406	5/12/2015	102011	cpm	0.39
723904.3	3948875	36736	5/12/2015	102122	cpm	1.23
723904.3	3948875	35011	5/12/2015	102123	cpm	0.14
723904.3	3948875	35163	5/12/2015	102125	cpm	0.23
723904.3	3948875	33467	5/12/2015	102126	cpm	-0.84
723904.3	3948875	34451	5/12/2015	102128	cpm	-0.22
723904.3	3948875	32307	5/12/2015	102132	cpm	-1.57
723904.3	3948875	34195	5/12/2015	102134	cpm	-0.38
723904.3	3948875	33216	5/12/2015	102138	cpm	-1.00
723904.3	3948875	35971	5/12/2015	102140	cpm	0.75
723904.3	3948875	32071	5/12/2015	102144	cpm	-1.72
723904.4	3948875	30985	5/12/2015	102146	cpm	-2.41
723905.9	3948876	32870	5/12/2015	102148	cpm	-1.22
723907.9	3948876	34647	5/12/2015	102150	cpm	-0.09
723909.6	3948876	34007	5/12/2015	102152	cpm	-0.50
723911.9	3948877	32378	5/12/2015	102154	cpm	-1.53
723913.6	3948876	34527	5/12/2015	102156	cpm	-0.17
723914.4	3948877	34822	5/12/2015	102158	cpm	0.02
723914.6	3948877	33800	5/12/2015	102159	cpm	-0.63
723914.7	3948877	34335	5/12/2015	102200	cpm	-0.29
723914.4	3948877	33646	5/12/2015	102201	cpm	-0.73
723914.4	3948876	34023	5/12/2015	102202	cpm	-0.49

Surface Gamma Scans  
NECR Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
723915	3948876	34513	5/12/2015	102203	cpm	-0.18
723915.6	3948876	34091	5/12/2015	102204	cpm	-0.45
723916	3948876	33313	5/12/2015	102205	cpm	-0.94
723916.4	3948876	33184	5/12/2015	102206	cpm	-1.02
723916.9	3948876	34386	5/12/2015	102207	cpm	-0.26
723917.1	3948876	34439	5/12/2015	102208	cpm	-0.22
723917	3948876	35595	5/12/2015	102209	cpm	0.51
723917	3948876	34017	5/12/2015	102210	cpm	-0.49
723917	3948876	33827	5/12/2015	102211	cpm	-0.61
723917.2	3948876	33210	5/12/2015	102212	cpm	-1.00
723917.9	3948876	33313	5/12/2015	102213	cpm	-0.94
723918.6	3948876	33813	5/12/2015	102214	cpm	-0.62
723918.9	3948876	35655	5/12/2015	102215	cpm	0.55
723919.4	3948876	34733	5/12/2015	102216	cpm	-0.04
723919.7	3948876	35422	5/12/2015	102217	cpm	0.40
723919.9	3948877	34715	5/12/2015	102218	cpm	-0.05
723920.2	3948877	34609	5/12/2015	102219	cpm	-0.12
723920.4	3948877	33793	5/12/2015	102220	cpm	-0.63
723920.7	3948877	31998	5/12/2015	102221	cpm	-1.77
723920.9	3948877	32061	5/12/2015	102222	cpm	-1.73
723921.2	3948877	32412	5/12/2015	102223	cpm	-1.51
723921.4	3948877	32527	5/12/2015	102224	cpm	-1.44
723921.7	3948878	32231	5/12/2015	102225	cpm	-1.62
723922.1	3948878	32215	5/12/2015	102226	cpm	-1.63
723922.3	3948878	32296	5/12/2015	102227	cpm	-1.58
723922.7	3948878	31524	5/12/2015	102228	cpm	-2.07
723923	3948878	33294	5/12/2015	102229	cpm	-0.95
723923.3	3948878	33563	5/12/2015	102230	cpm	-0.78
723923.6	3948878	32401	5/12/2015	102231	cpm	-1.52
723923.9	3948878	33841	5/12/2015	102232	cpm	-0.60
723924.2	3948879	34508	5/12/2015	102233	cpm	-0.18
723924.5	3948879	33165	5/12/2015	102234	cpm	-1.03
723924.8	3948879	35440	5/12/2015	102235	cpm	0.41
723925.3	3948879	35880	5/12/2015	102236	cpm	0.69
723925.7	3948879	34132	5/12/2015	102237	cpm	-0.42
723926.2	3948879	34259	5/12/2015	102238	cpm	-0.34
723926.6	3948880	33708	5/12/2015	102239	cpm	-0.69
723927.3	3948880	33938	5/12/2015	102240	cpm	-0.54
723927.8	3948880	35335	5/12/2015	102241	cpm	0.34
723928.3	3948880	34246	5/12/2015	102242	cpm	-0.35
723928.7	3948880	34833	5/12/2015	102243	cpm	0.02
723929	3948880	36776	5/12/2015	102244	cpm	1.26

Surface Gamma Scans  
NECR Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
723929.4	3948880	36444	5/12/2015	102245	cpm	1.04
723929.8	3948880	35357	5/12/2015	102246	cpm	0.36
723930.2	3948881	35631	5/12/2015	102247	cpm	0.53
723930.6	3948881	33910	5/12/2015	102248	cpm	-0.56
723931.2	3948881	33796	5/12/2015	102249	cpm	-0.63
723931.5	3948881	35375	5/12/2015	102250	cpm	0.37
723932	3948881	35093	5/12/2015	102251	cpm	0.19
723932.4	3948881	37170	5/12/2015	102252	cpm	1.50
723932.9	3948881	35683	5/12/2015	102253	cpm	0.56
723933.3	3948882	34637	5/12/2015	102254	cpm	-0.10
723933.7	3948882	35045	5/12/2015	102255	cpm	0.16
723934.2	3948882	35066	5/12/2015	102256	cpm	0.17
723934.5	3948882	33359	5/12/2015	102257	cpm	-0.91
723934.5	3948882	33825	5/12/2015	102258	cpm	-0.61
723934.4	3948883	35009	5/12/2015	102259	cpm	0.14
723934.3	3948883	35262	5/12/2015	102300	cpm	0.30
723934.3	3948884	35450	5/12/2015	102301	cpm	0.42
723934	3948884	37895	5/12/2015	102302	cpm	1.96
723934	3948885	34433	5/12/2015	102303	cpm	-0.23
723933.9	3948885	34954	5/12/2015	102304	cpm	0.10
723933.7	3948885	33709	5/12/2015	102305	cpm	-0.69
723933.7	3948886	33803	5/12/2015	102306	cpm	-0.63
723933.5	3948886	34149	5/12/2015	102307	cpm	-0.41
723933.3	3948886	34351	5/12/2015	102308	cpm	-0.28
723932.9	3948886	34307	5/12/2015	102309	cpm	-0.31
723932.4	3948886	34590	5/12/2015	102310	cpm	-0.13
723932	3948886	33767	5/12/2015	102311	cpm	-0.65
723931.5	3948886	34594	5/12/2015	102312	cpm	-0.13
723931.1	3948886	34924	5/12/2015	102313	cpm	0.08
723930.6	3948886	35552	5/12/2015	102314	cpm	0.48
723930.2	3948886	35020	5/12/2015	102315	cpm	0.14
723929.9	3948886	35944	5/12/2015	102316	cpm	0.73
723929.2	3948886	34236	5/12/2015	102317	cpm	-0.35
723929	3948886	34760	5/12/2015	102318	cpm	-0.02
723928.5	3948886	34800	5/12/2015	102319	cpm	0.00
723928	3948886	34432	5/12/2015	102320	cpm	-0.23
723927.6	3948886	32703	5/12/2015	102321	cpm	-1.32
723927.1	3948886	35150	5/12/2015	102322	cpm	0.23
723926.7	3948885	33857	5/12/2015	102323	cpm	-0.59
723926.4	3948885	33677	5/12/2015	102324	cpm	-0.71
723926.2	3948885	34086	5/12/2015	102325	cpm	-0.45
723925.9	3948885	35118	5/12/2015	102326	cpm	0.21

Surface Gamma Scans  
NECR Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
723925.5	3948885	34799	5/12/2015	102327	cpm	0.00
723925.1	3948885	34274	5/12/2015	102328	cpm	-0.33
723924.6	3948885	34256	5/12/2015	102329	cpm	-0.34
723924.1	3948885	33819	5/12/2015	102330	cpm	-0.62
723923.8	3948885	35576	5/12/2015	102331	cpm	0.50
723923.4	3948884	35071	5/12/2015	102332	cpm	0.18
723923	3948884	35117	5/12/2015	102333	cpm	0.20
723922.6	3948884	34378	5/12/2015	102334	cpm	-0.26
723922.2	3948884	34128	5/12/2015	102335	cpm	-0.42
723921.9	3948884	34624	5/12/2015	102336	cpm	-0.11
723921.4	3948884	35556	5/12/2015	102337	cpm	0.48
723921.1	3948884	34813	5/12/2015	102338	cpm	0.01
723920.6	3948884	33944	5/12/2015	102339	cpm	-0.54
723920.3	3948884	34739	5/12/2015	102340	cpm	-0.03
723920	3948884	34998	5/12/2015	102341	cpm	0.13
723919.6	3948884	33786	5/12/2015	102342	cpm	-0.64
723919.3	3948884	34582	5/12/2015	102343	cpm	-0.13
723919	3948884	36162	5/12/2015	102344	cpm	0.87
723918.6	3948883	34538	5/12/2015	102345	cpm	-0.16
723918.3	3948883	34690	5/12/2015	102346	cpm	-0.07
723918.2	3948883	33336	5/12/2015	102347	cpm	-0.92
723918	3948883	34171	5/12/2015	102348	cpm	-0.39
723917.8	3948884	33111	5/12/2015	102349	cpm	-1.07
723917.8	3948884	32695	5/12/2015	102350	cpm	-1.33
723917.6	3948884	33938	5/12/2015	102351	cpm	-0.54
723917.5	3948885	35432	5/12/2015	102353	cpm	0.40
723917.4	3948886	34187	5/12/2015	102355	cpm	-0.38
723918	3948886	34747	5/12/2015	102357	cpm	-0.03
723919.7	3948887	32984	5/12/2015	102402	cpm	-1.15
723920.3	3948887	34752	5/12/2015	102404	cpm	-0.03
723921.4	3948888	34138	5/12/2015	102408	cpm	-0.42
723921.7	3948888	33195	5/12/2015	102410	cpm	-1.01
723921.8	3948889	34587	5/12/2015	102411	cpm	-0.13
723922.1	3948889	34827	5/12/2015	102413	cpm	0.02
723922.4	3948889	33923	5/12/2015	102414	cpm	-0.55
723922.7	3948889	33916	5/12/2015	102415	cpm	-0.56
723922.8	3948890	32345	5/12/2015	102416	cpm	-1.55
723923	3948890	33134	5/12/2015	102417	cpm	-1.05
723923.4	3948890	33345	5/12/2015	102418	cpm	-0.92
723923.5	3948890	33824	5/12/2015	102419	cpm	-0.61
723923.9	3948890	34003	5/12/2015	102420	cpm	-0.50
723924.1	3948890	35072	5/12/2015	102421	cpm	0.18



Surface Gamma Scans  
NECR Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226
						concentration pCi/g) $y = 1579.1x + 34794$
723924.3	3948890	34563	5/12/2015	102422	cpm	-0.15
723924.4	3948890	36369	5/12/2015	102423	cpm	1.00
723924.7	3948890	36065	5/12/2015	102424	cpm	0.80
723925.1	3948890	35826	5/12/2015	102425	cpm	0.65
723925.4	3948890	34402	5/12/2015	102426	cpm	-0.25
723925.7	3948890	36076	5/12/2015	102427	cpm	0.81
723926.1	3948890	36448	5/12/2015	102428	cpm	1.05
723926.4	3948890	36784	5/12/2015	102429	cpm	1.26
723926.8	3948890	35406	5/12/2015	102430	cpm	0.39
723927.1	3948890	34443	5/12/2015	102431	cpm	-0.22
723927.5	3948890	34269	5/12/2015	102432	cpm	-0.33
723927.9	3948890	34449	5/12/2015	102433	cpm	-0.22
723928.3	3948890	34265	5/12/2015	102434	cpm	-0.34
723928.5	3948891	33486	5/12/2015	102435	cpm	-0.83
723928.9	3948891	32816	5/12/2015	102436	cpm	-1.25
723929.1	3948891	33121	5/12/2015	102437	cpm	-1.06
723929.4	3948891	33653	5/12/2015	102438	cpm	-0.72
723929.7	3948892	35235	5/12/2015	102439	cpm	0.28
723929.9	3948892	33124	5/12/2015	102440	cpm	-1.06
723930	3948892	33062	5/12/2015	102441	cpm	-1.10
723929.9	3948893	33357	5/12/2015	102442	cpm	-0.91
723929.8	3948893	31476	5/12/2015	102443	cpm	-2.10
723929.7	3948894	33050	5/12/2015	102444	cpm	-1.10
723929.5	3948894	33335	5/12/2015	102445	cpm	-0.92
723929.4	3948894	35056	5/12/2015	102446	cpm	0.17
723929.2	3948895	36196	5/12/2015	102447	cpm	0.89
723928.9	3948895	34280	5/12/2015	102448	cpm	-0.33
723928.5	3948896	33390	5/12/2015	102449	cpm	-0.89
723928.2	3948896	33594	5/12/2015	102450	cpm	-0.76
723928.1	3948896	33567	5/12/2015	102451	cpm	-0.78
723927.6	3948896	33453	5/12/2015	102452	cpm	-0.85
723927.3	3948895	34065	5/12/2015	102453	cpm	-0.46
723926.7	3948895	35661	5/12/2015	102454	cpm	0.55
723926.3	3948895	35307	5/12/2015	102455	cpm	0.32
723925.8	3948895	34732	5/12/2015	102456	cpm	-0.04
723925.4	3948895	34769	5/12/2015	102457	cpm	-0.02
723924.8	3948895	34903	5/12/2015	102458	cpm	0.07
723924.4	3948894	33620	5/12/2015	102459	cpm	-0.74
723923.8	3948894	32988	5/12/2015	102500	cpm	-1.14
723923.4	3948894	33256	5/12/2015	102501	cpm	-0.97
723923	3948894	33181	5/12/2015	102502	cpm	-1.02
723922.5	3948894	33297	5/12/2015	102503	cpm	-0.95

Surface Gamma Scans  
NECR Background - Uncollimated 3x3

X	Y	RESULTS	DATE	TIME	UNITS	Estimated Ra-226 concentration pCi/g)
						$y = 1579.1x + 34794$
723922.2	3948894	33534	5/12/2015	102504	cpm	-0.80
723921.6	3948894	32085	5/12/2015	102505	cpm	-1.72
723921.2	3948894	33250	5/12/2015	102506	cpm	-0.98
723920.8	3948894	34371	5/12/2015	102507	cpm	-0.27
723920.4	3948894	33441	5/12/2015	102508	cpm	-0.86
723920.1	3948894	35678	5/12/2015	102509	cpm	0.56
723919	3948894	35189	5/12/2015	102511	cpm	0.25
723918.1	3948894	35949	5/12/2015	102513	cpm	0.73
723917.6	3948893	32968	5/12/2015	102515	cpm	-1.16
	mean	33990			mean	-0.51
	min	30985			min	-2.41
	max	37895			max	1.96
	stdev	1227			stdev	0.78

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**APPENDIX D**  
**DATA VALIDATION AND LABORATORY ANALYTICAL REPORTS**

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**QUIVIRA TECHNICAL SUPPORT SITE  
 NAVAJO NATION, MCKINLEY COUNTY, NEW MEXICO  
 DATA VALIDATION REPORT**

**Date:** June 24, 2015

**Laboratory:** Eberline Analytical, Oak Ridge, TN

**Laboratory Work Order #:** 15-05113 and 15-05114

**Data Validation Performed By:** Lisa Graczyk, Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START)

**Weston Work Order #:** 20409.012.015.0036.00

**TDD #:** 0015/1302-T15-R9-14-12-0001

This data validation report has been prepared by WESTON START under the START IV Region 9 contract. This report documents the data validation for 29 soil samples collected for the Quivira Technical Support Site that were analyzed for the following parameters and methods.

- Radium-226 by Los Alamos National Laboratory (LANL) ER-130 Method Modified

A level IV data package was received from Eberline Analytical. A Stage 2A data validation was performed and was conducted in general accordance with “*Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use*” and the EPA “*Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*” dated August 2014. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

**RADIUM-226 BY LANL ER-130 METHOD MODIFIED**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
VH2-01-A	15-05113-04	Soil	5/12/2015	6/16/2015
VH2-02-A	15-05113-05	Soil	5/12/2015	6/16/2015
VH2-03-A	15-05113-06	Soil	5/12/2015	6/16/2015
VH2-04-A	15-05113-07	Soil	5/12/2015	6/16/2015
VH2-05-A	15-05113-08	Soil	5/12/2015	6/16/2015
VH2-105-A	15-05113-09	Soil	5/12/2015	6/16/2015
VH2-06-A	15-05113-10	Soil	5/12/2015	6/16/2015
VH2-07-A	15-05113-11	Soil	5/12/2015	6/16/2015
VH2-08-A	15-05113-12	Soil	5/12/2015	6/16/2015
VH2-09-A	15-05113-13	Soil	5/12/2015	6/16/2015
VH2-10-A	15-05113-14	Soil	5/12/2015	6/16/2015
VH2-11-A	15-05113-15	Soil	5/12/2015	6/16/2015
VH2-12-A	15-05113-16	Soil	5/12/2015	6/16/2015
VH2-13-A	15-05113-17	Soil	5/12/2015	6/16/2015

3. **Blanks**

Method blanks were analyzed with the radium analyses and contained no detections of target analytes above the reporting limits.

4. **Laboratory Control Sample (LCS) Results**

The LCS recoveries were within laboratory quality control (QC) limits.

5. **Laboratory Duplicate Results**

The relative error ratios and relative percent differences (RPD) were below QC limits.

6. **Field Duplicate Results**

There are five field duplicates associated with this work order as follows.

<u>Investigative Sample</u>	<u>Field Duplicate</u>
VH2-05-A	VH2-105-A
VH2-16-B	VH2-116-B
VH2-10-A	VH2-110-A
VH3-16-A	VH3-116-A
VH3-06-A	VH3-106-A

The RPDS between the investigative sample and field duplicate radium-226 results ranged from 3 to 27 percent which are acceptable.

7. **Overall Assessment**

The radium data are acceptable for use based on the information received.

Data Validation Report  
Quivira Technical Support  
Eberline Analytical  
Laboratory Project #: 15-05113 and 15-05114

**ATTACHMENT**

**EBERLINE ANALYTICAL  
RESULTS SUMMARY**

<b>Eberline Analytical</b> <b>Final Report of Analysis</b>			Report To:					Work Order Details:							
			Jenner McCloskey					SDG:	15-05113						
			Weston Solutions, Inc.					Purchase Order:	0088528						
			1340 Treat Blvd, Suite 210					Analysis Category:	ENVIRONMENTAL						
Walnut Creek, CA 94597					Sample Matrix:	SO									
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units		
15-05113-01	LCS	KNOWN	05/22/15 00:00	5/21/2015	6/15/2015	15-05113	Cobalt-60	LANL ER-130 Modified	1.37E+02	5.48E+00			pCi/g		
15-05113-01	LCS	KNOWN	05/22/15 00:00	5/21/2015	6/15/2015	15-05113	Cesium-137	LANL ER-130 Modified	8.69E+01	3.48E+00			pCi/g		
15-05113-01	LCS	SPIKE	05/22/15 00:00	5/21/2015	6/15/2015	15-05113	Cobalt-60	LANL ER-130 Modified	1.37E+02	9.49E+00	1.18E+01	1.37E+00	pCi/g		
15-05113-01	LCS	SPIKE	05/22/15 00:00	5/21/2015	6/15/2015	15-05113	Cesium-137	LANL ER-130 Modified	8.57E+01	8.26E+00	9.36E+00	2.23E+00	pCi/g		
15-05113-02	MBL	BLANK	05/22/15 00:00	5/21/2015	6/15/2015	15-05113	Radium-226	LANL ER-130 Modified	2.42E-02	8.38E-02	8.38E-02	1.46E-01	pCi/g		
15-05113-02	MBL	BLANK	05/22/15 00:00	5/21/2015	6/15/2015	15-05113	Radium-226	LANL ER-130 Modified	1.41E+01	9.12E-01	1.16E+00	5.92E-01	pCi/g		
15-05113-03	DUP	VH2-01-A	05/12/15 14:40	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	1.43E+01	9.00E-01	1.16E+00	5.10E-01	pCi/g		
15-05113-04	DO	VH2-01-A	05/12/15 14:40	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	1.32E+01	8.24E-01	1.07E+00	4.16E-01	pCi/g		
15-05113-05	TRG	VH2-02-A	05/12/15 14:42	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	5.62E+00	5.98E-01	6.64E-01	6.67E-01	pCi/g		
15-05113-06	TRG	VH2-03-A	05/12/15 14:44	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	5.72E+00	8.13E-01	8.64E-01	9.22E-01	pCi/g		
15-05113-07	TRG	VH2-04-A	05/12/15 14:46	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	5.72E+00	8.13E-01	8.64E-01	9.22E-01	pCi/g		
15-05113-08	TRG	VH2-05-A	05/12/15 14:48	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	3.46E+00	3.10E-01	3.57E-01	2.20E-01	pCi/g		
15-05113-09	TRG	VH2-105-A	05/12/15 14:48	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	3.20E+00	3.20E-01	3.59E-01	3.19E-01	pCi/g		
15-05113-10	TRG	VH2-06-A	05/12/15 14:50	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	3.54E+00	5.24E-01	5.54E-01	6.18E-01	pCi/g		
15-05113-11	TRG	VH2-07-A	05/12/15 14:52	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	2.43E+00	3.02E-01	3.27E-01	3.42E-01	pCi/g		
15-05113-12	TRG	VH2-08-A	05/12/15 14:54	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	2.64E+00	2.75E-01	3.06E-01	2.43E-01	pCi/g		
15-05113-13	TRG	VH2-09-A	05/12/15 14:56	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	2.84E+00	4.00E-01	4.26E-01	4.77E-01	pCi/g		
15-05113-14	TRG	VH2-10-A	05/12/15 14:58	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	1.49E+00	3.34E-01	3.43E-01	8.16E-01	pCi/g		
15-05113-15	TRG	VH2-11-A	05/12/15 15:00	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	2.64E+00	2.88E-01	3.18E-01	2.84E-01	pCi/g		
15-05113-16	TRG	VH2-12-A	05/12/15 15:02	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	5.94E+00	4.57E-01	5.49E-01	2.85E-01	pCi/g		
15-05113-17	TRG	VH2-13-A	05/12/15 15:04	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	1.97E+00	2.79E-01	2.96E-01	3.37E-01	pCi/g		
15-05113-18	TRG	VH2-14-A	05/12/15 15:06	5/21/2015	6/16/2015	15-05113	Radium-226	LANL ER-130 Modified	1.79E+00	3.67E-01	3.79E-01	5.27E-01	pCi/g		

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

4100014



EBERLINE ANALYTICAL CORPORATION

601 SCARBORO ROAD OAK RIDGE, TN 37830 865/481-0683 FAX 865/483-4621

<b>Eberline Analytical</b> <b>Final Report of Analysis</b>			Report To:					Work Order Details:					
			Jenner McCloskey					SDG:	15-05114				
			Weston Solutions, Inc.					Purchase Order:	0088528				
			1340 Treat Blvd, Suite 210					Analysis Category:	ENVIRONMENTAL				
			Walnut Creek, CA 94597					Sample Matrix:	SO				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
15-05114-01	LCS	KNOWN	05/22/15 00:00	5/21/2015	6/15/2015	15-05114	Cobalt-60	LANL ER-130 Modified	1.37E+02	5.48E+00			pCi/g
15-05114-01	LCS	KNOWN	05/22/15 00:00	5/21/2015	6/15/2015	15-05114	Cesium-137	LANL ER-130 Modified	8.69E+01	3.48E+00			pCi/g
15-05114-01	LCS	SPIKE	05/22/15 00:00	5/21/2015	6/15/2015	15-05114	Cobalt-60	LANL ER-130 Modified	1.37E+02	9.47E+00	1.18E+01	1.59E+00	pCi/g
15-05114-01	LCS	SPIKE	05/22/15 00:00	5/21/2015	6/15/2015	15-05114	Cesium-137	LANL ER-130 Modified	8.57E+01	8.24E+00	9.34E+00	2.05E+00	pCi/g
15-05114-02	MBL	BLANK	05/22/15 00:00	5/21/2015	6/15/2015	15-05114	Radium-226	LANL ER-130 Modified	5.23E-02	8.03E-02	8.04E-02	1.48E-01	pCi/g
15-05114-03	DUP	VH2-11-B	05/12/15 15:20	5/21/2015	6/16/2015	15-05114	Radium-226	LANL ER-130 Modified	2.08E+00	2.45E-01	2.68E-01	2.79E-01	pCi/g
15-05114-04	DO	VH2-11-B	05/12/15 15:20	5/21/2015	6/16/2015	15-05114	Radium-226	LANL ER-130 Modified	2.17E+00	2.76E-01	2.98E-01	3.84E-01	pCi/g
15-05114-05	TRG	VH2-12-B	05/12/15 15:10	5/21/2015	6/16/2015	15-05114	Radium-226	LANL ER-130 Modified	1.89E+01	1.16E+00	1.52E+00	5.50E-01	pCi/g
15-05114-06	TRG	VH2-15-B	05/12/15 15:30	5/21/2015	6/16/2015	15-05114	Radium-226	LANL ER-130 Modified	3.60E+02	1.58E+01	2.43E+01	2.87E+00	pCi/g
15-05114-07	TRG	VH2-16-B	05/12/15 15:40	5/21/2015	6/16/2015	15-05114	Radium-226	LANL ER-130 Modified	2.24E+02	9.78E+00	1.51E+01	1.30E+00	pCi/g
15-05114-08	TRG	VH2-16-C	05/12/15 15:45	5/21/2015	6/16/2015	15-05114	Radium-226	LANL ER-130 Modified	5.49E+00	4.26E-01	5.11E-01	3.96E-01	pCi/g
15-05114-09	TRG	VH2-18-B	05/12/15 15:55	5/21/2015	6/16/2015	15-05114	Radium-226	LANL ER-130 Modified	1.80E+00	5.63E-01	5.70E-01	8.76E-01	pCi/g
15-05114-10	TRG	VH2-18-C	05/12/15 16:00	5/21/2015	6/16/2015	15-05114	Radium-226	LANL ER-130 Modified	1.67E+00	2.14E-01	2.31E-01	2.59E-01	pCi/g
15-05114-11	TRG	VH2-116-B	05/12/15 15:40	5/21/2015	6/16/2015	15-05114	Radium-226	LANL ER-130 Modified	2.45E+02	1.06E+01	1.64E+01	1.88E+00	pCi/g
15-05114-12	TRG	VH2-110-A	05/12/15 14:58	5/21/2015	6/16/2015	15-05114	Radium-226	LANL ER-130 Modified	1.96E+00	4.80E-01	4.90E-01	6.82E-01	pCi/g
15-05114-13	TRG	VH2-17-B	05/12/15 16:05	5/21/2015	6/17/2015	15-05114	Radium-226	LANL ER-130 Modified	1.81E+00	4.47E-01	4.57E-01	2.62E-01	pCi/g
15-05114-14	TRG	VH2-17-C	05/12/15 16:05	5/21/2015	6/17/2015	15-05114	Radium-226	LANL ER-130 Modified	1.64E+00	2.36E-01	2.50E-01	2.82E-01	pCi/g
15-05114-15	TRG	VH3-116-A	05/14/15 09:40	5/21/2015	6/17/2015	15-05114	Radium-226	LANL ER-130 Modified	9.70E+00	8.12E-01	9.52E-01	6.89E-01	pCi/g
15-05114-16	TRG	VH3-106-A	05/14/15 12:15	5/21/2015	6/17/2015	15-05114	Radium-226	LANL ER-130 Modified	6.44E+00	6.90E-01	7.65E-01	1.75E-01	pCi/g
15-05114-17	TRG	VH3-14-C	05/14/15 12:48	5/21/2015	6/17/2015	15-05114	Radium-226	LANL ER-130 Modified	1.54E+00	2.74E-01	2.85E-01	3.66E-01	pCi/g

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



EBERLINE ANALYTICAL CORPORATION

601 SCARBORO ROAD OAK RIDGE, TN 37830 865/481-0683 FAX 865/483-4621



**QUIVIRA TECHNICAL SUPPORT SITE  
 NAVAJO NATION, MCKINLEY COUNTY, NEW MEXICO  
 DATA VALIDATION REPORT**

**Date:** June 24, 2015

**Laboratory:** Eberline Analytical, Oak Ridge, TN

**Laboratory Work Order #:** 15-05111 and 15-05112

**Data Validation Performed By:** Lisa Graczyk, Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START)

**Weston Work Order #:** 20409.012.015.0036.00

**TDD #:** 0015/1302-T15-R9-14-12-0001

This data validation report has been prepared by WESTON START under the START IV Region 9 contract. This report documents the data validation for 30 soil samples collected for the Quivira Technical Support Site that were analyzed for the following parameters and methods.

- Radium-226 by Los Alamos National Laboratory (LANL) ER-130 Method Modified

A level IV data package was received from Eberline Analytical. A Stage 2A data validation was performed and was conducted in general accordance with “*Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use*” and the EPA “*Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*” dated August 2014. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

**RADIUM-226 BY LANL ER-130 METHOD MODIFIED**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
VH3-06-A	15-05111-04	Soil	5/14/2015	6/12/2015
VH3-06-B	15-05111-05	Soil	5/14/2015	6/12/2015
VH3-06-C	15-05111-06	Soil	5/14/2015	6/12/2015
VH3-07-A	15-05111-07	Soil	5/14/2015	6/12/2015
VH3-08-A	15-05111-08	Soil	5/14/2015	6/12/2015
VH3-08-B	15-05111-09	Soil	5/14/2015	6/12/2015
VH3-09-A	15-05111-10	Soil	5/14/2015	6/12/2015
VH3-10-A	15-05111-11	Soil	5/14/2015	6/12/2015
VH3-10-B	15-05111-12	Soil	5/14/2015	6/12/2015
VH3-11-A	15-05111-13	Soil	5/14/2015	6/12/2015
VH3-12-A	15-05111-14	Soil	5/14/2015	6/12/2015
VH3-13-A	15-05111-15	Soil	5/14/2015	6/12/2015
VH3-13-B	15-05111-16	Soil	5/14/2015	6/12/2015
VH3-14-A	15-05111-17	Soil	5/14/2015	6/12/2015

<b>Samples</b>	<b>Lab Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
VH3-14-B	15-05111-18	Soil	5/14/2015	6/12/2015
VH3-15-A	15-05112-04	Soil	5/14/2015	6/12/2015
VH3-15-B	15-05112-05	Soil	5/14/2015	6/12/2015
VH3-15-C	15-05112-06	Soil	5/14/2015	6/12/2015
VH3-15-D	15-05112-07	Soil	5/14/2015	6/12/2015
VH3-16-A	15-05112-08	Soil	5/14/2015	6/12/2015
VH3-16-B	15-05112-09	Soil	5/14/2015	6/12/2015
VH3-16-C	15-05112-10	Soil	5/14/2015	6/12/2015
VH3-01-A	15-05112-11	Soil	5/14/2015	6/12/2015
VH3-02-A	15-05112-12	Soil	5/14/2015	6/12/2015
VH3-101-A	15-05112-13	Soil	5/14/2015	6/12/2015
VH3-03-A	15-05112-14	Soil	5/14/2015	6/12/2015
VH3-04-A	15-05112-15	Soil	5/14/2015	6/12/2015
VH3-05-A	15-05112-16	Soil	5/14/2015	6/12/2015
VH3-04-B	15-05112-17	Soil	5/14/2015	6/12/2015
VH3-01-B	15-05112-18	Soil	5/14/2015	6/12/2015

## 1. Data Verification Check

A data verification and completeness check was performed in accordance with the Stage 1 and 2A verification checks outlined in the EPA “Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use” dated January 13, 2009. For the radium-226 analyses, all analytical data package items were received from the laboratory.

Note that on the chain-of-custody form, WESTON requested that the U.S. Department of Energy (DOE) Environmental Measurements Laboratory (EML) Health and Safety Laboratory (HASL)-300 Method be performed for analyses. The laboratory analyzed the samples using the LANL ER-130 Method (modified) instead. The LANL and HASL methods both use high resolution gamma spectroscopy and are fundamentally the same. The use of the LANL method instead of the HASP method does not affect data usability.

## 2. Holding Times

The samples were analyzed within the required holding time limit of 6 months from sample collection.

3. **Blanks**

Method blanks were analyzed with the radium analyses and contained no detections of target analytes above the reporting limits.

4. **Laboratory Control Sample (LCS) Results**

The LCS recoveries were within laboratory quality control (QC) limits.

5. **Laboratory Duplicate Results**

The relative error ratios and relative percent differences (RPD) were below QC limits.

6. **Field Duplicate Results**

Sample VH3-101-A is a field duplicate of sample VH3-01-A. The RPD between the two radium-226 results was calculated to be 3 percent which is acceptable.

7. **Overall Assessment**

The radium data are acceptable for use based on the information received.

Data Validation Report  
Quivira Technical Support  
Eberline Analytical  
Laboratory Project #: 15-05111 and 15-05112

**ATTACHMENT**

**EBERLINE ANALYTICAL  
RESULTS SUMMARY**

<b>Eberline Analytical</b> <b>Final Report of Analysis</b>			Report To:					Work Order Details:							
			Jenner McCloskey					SDG:	15-05111						
			Weston Solutions, Inc.					Purchase Order:	0088528						
			1340 Treat Blvd, Suite 210					Analysis Category:	ENVIRONMENTAL						
			Walnut Creek, CA 94597					Sample Matrix:	SO						
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units		
15-05111-01	LCS	KNOWN	05/21/15 00:00	5/21/2015	6/11/2015	15-05111	Cobalt-60	LANL ER-130 Modified	1.37E+02	5.48E+00			pCi/g		
15-05111-01	LCS	KNOWN	05/21/15 00:00	5/21/2015	6/11/2015	15-05111	Cesium-137	LANL ER-130 Modified	8.69E+01	3.48E+00			pCi/g		
15-05111-01	LCS	SPIKE	05/21/15 00:00	5/21/2015	6/11/2015	15-05111	Cobalt-60	LANL ER-130 Modified	1.39E+02	9.58E+00	1.19E+01	1.57E+00	pCi/g		
15-05111-01	LCS	SPIKE	05/21/15 00:00	5/21/2015	6/11/2015	15-05111	Cesium-137	LANL ER-130 Modified	8.53E+01	8.22E+00	9.32E+00	2.20E+00	pCi/g		
15-05111-02	MBL	BLANK	05/21/15 00:00	5/21/2015	6/11/2015	15-05111	Radium-226	LANL ER-130 Modified	-1.14E-02	6.11E-02	6.11E-02	1.11E-01	pCi/g		
15-05111-03	DUP	VH3-06-A	05/14/15 12:15	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	7.96E+00	5.88E-01	7.16E-01	4.79E-01	pCi/g		
15-05111-04	DO	VH3-06-A	05/14/15 12:15	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	7.67E+00	5.46E-01	6.73E-01	4.51E-01	pCi/g		
15-05111-05	TRG	VH3-06-B	05/14/15 13:20	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	2.07E+00	2.85E-01	3.04E-01	3.60E-01	pCi/g		
15-05111-06	TRG	VH3-06-C	05/14/15 13:30	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	1.05E+00	2.27E-01	2.33E-01	3.50E-01	pCi/g		
15-05111-07	TRG	VH3-07-A	05/14/15 12:10	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	1.33E+01	1.14E+00	1.33E+00	9.15E-01	pCi/g		
15-05111-08	TRG	VH3-08-A	05/14/15 12:50	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	2.97E+00	3.38E-01	3.71E-01	3.89E-01	pCi/g		
15-05111-09	TRG	VH3-08-B	05/14/15 13:52	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	1.95E+00	2.94E-01	3.11E-01	5.00E-01	pCi/g		
15-05111-10	TRG	VH3-09-A	05/14/15 13:05	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	1.28E+01	1.13E+00	1.31E+00	8.67E-01	pCi/g		
15-05111-11	TRG	VH3-10-A	05/14/15 13:10	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	1.13E+01	7.04E-01	9.14E-01	5.34E-01	pCi/g		
15-05111-12	TRG	VH3-10-B	05/14/15 13:45	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	2.06E+00	5.56E-01	5.65E-01	7.82E-01	pCi/g		
15-05111-13	TRG	VH3-11-A	05/14/15 12:30	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	4.39E+00	3.80E-01	4.42E-01	2.60E-01	pCi/g		
15-05111-14	TRG	VH3-12-A	05/14/15 13:00	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	8.90E+00	9.65E-01	1.07E+00	1.03E+00	pCi/g		
15-05111-15	TRG	VH3-13-A	05/14/15 12:55	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	9.70E+00	6.98E-01	8.57E-01	3.63E-01	pCi/g		
15-05111-16	TRG	VH3-13-B	05/14/15 14:35	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	5.29E+00	4.21E-01	5.01E-01	3.82E-01	pCi/g		
15-05111-17	TRG	VH3-14-A	05/14/15 12:25	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	7.27E+00	5.32E-01	6.50E-01	3.40E-01	pCi/g		
15-05111-18	TRG	VH3-14-B	05/14/15 12:45	5/21/2015	6/12/2015	15-05111	Radium-226	LANL ER-130 Modified	1.90E+00	4.05E-01	4.16E-01	4.76E-01	pCi/g		

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

: 00014



**EBERLINE ANALYTICAL CORPORATION**

601 SCARBORO ROAD OAK RIDGE, TN 37830 865/481-0683 FAX 865/483-4621

<b>Eberline Analytical</b> <b>Final Report of Analysis</b>			Report To:					Work Order Details:					
			Jenner McCloskey					SDG:	15-05112				
			Weston Solutions, Inc.					Purchase Order:	0088528				
			1340 Treat Blvd, Suite 210					Analysis Category:	ENVIRONMENTAL				
Walnut Creek, CA 94597					Sample Matrix:	SO							
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
15-05112-01	LCS	KNOWN	05/21/15 00:00	5/21/2015	6/11/2015	15-05112	Cobalt-60	LANL ER-130 Modified	1.37E+02	5.48E+00			pCi/g
15-05112-01	LCS	KNOWN	05/21/15 00:00	5/21/2015	6/11/2015	15-05112	Cesium-137	LANL ER-130 Modified	8.69E+01	3.48E+00			pCi/g
15-05112-01	LCS	SPIKE	05/21/15 00:00	5/21/2015	6/11/2015	15-05112	Cobalt-60	LANL ER-130 Modified	1.39E+02	9.59E+00	1.20E+01	1.51E+00	pCi/g
15-05112-01	LCS	SPIKE	05/21/15 00:00	5/21/2015	6/11/2015	15-05112	Cesium-137	LANL ER-130 Modified	8.55E+01	8.23E+00	9.32E+00	2.00E+00	pCi/g
15-05112-02	MBL	BLANK	05/21/15 00:00	5/21/2015	6/11/2015	15-05112	Radium-226	LANL ER-130 Modified	-2.02E-02	9.18E-02	9.18E-02	1.41E-01	pCi/g
15-05112-03	DUP	VH3-15-A	05/14/15 09:20	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	2.28E+01	1.46E+00	1.87E+00	6.72E-01	pCi/g
15-05112-04	DO	VH3-15-A	05/14/15 09:20	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	2.29E+01	1.46E+00	1.88E+00	8.42E-01	pCi/g
15-05112-05	TRG	VH3-15-B	05/14/15 09:28	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	1.28E+01	8.59E-01	1.08E+00	5.36E-01	pCi/g
15-05112-06	TRG	VH3-15-C	05/14/15 09:35	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	2.48E+00	3.68E-01	3.90E-01	4.57E-01	pCi/g
15-05112-07	TRG	VH3-15-D	05/14/15 09:38	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	1.36E+00	4.32E-01	4.38E-01	8.00E-01	pCi/g
15-05112-08	TRG	VH3-16-A	05/14/15 09:40	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	1.04E+01	7.34E-01	9.07E-01	5.95E-01	pCi/g
15-05112-09	TRG	VH3-16-B	05/14/15 09:42	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	2.04E+00	2.67E-01	2.87E-01	2.94E-01	pCi/g
15-05112-10	TRG	VH3-16-C	05/14/15 09:45	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	1.76E+00	2.80E-01	2.94E-01	3.45E-01	pCi/g
15-05112-11	TRG	VH3-01-A	05/14/15 13:15	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	3.32E+00	5.14E-01	5.42E-01	6.74E-01	pCi/g
15-05112-12	TRG	VH3-02-A	05/14/15 12:30	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	3.87E+00	3.35E-01	3.89E-01	2.90E-01	pCi/g
15-05112-13	TRG	VH3-101-A	05/14/15 13:15	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	3.23E+00	3.40E-01	3.78E-01	2.87E-01	pCi/g
15-05112-14	TRG	VH3-03-A	05/14/15 12:25	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	5.36E+00	4.01E-01	4.87E-01	3.17E-01	pCi/g
15-05112-15	TRG	VH3-04-A	05/14/15 12:45	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	2.07E+00	2.32E-01	2.55E-01	2.09E-01	pCi/g
15-05112-16	TRG	VH3-05-A	05/14/15 12:40	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	4.84E+00	7.78E-01	8.16E-01	1.09E+00	pCi/g
15-05112-17	TRG	VH3-04-B	05/14/15 12:45	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	2.18E+00	3.44E-01	3.61E-01	4.53E-01	pCi/g
15-05112-18	TRG	VH3-01-B	05/14/15 14:25	5/21/2015	6/12/2015	15-05112	Radium-226	LANL ER-130 Modified	2.10E+00	2.52E-01	2.74E-01	2.77E-01	pCi/g

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



EBERLINE ANALYTICAL CORPORATION

601 SCARBORO ROAD OAK RIDGE, TN 37830 865/481-0683 FAX 865/483-4621

11000



March 16, 2015

Mr. Brian Milton  
Weston Solutions, Inc.  
1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597

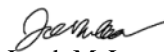
Re: Quivira 20409.016.015.0036.00  
Work Order: 367269

Dear Mr. Milton:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 17, 2015. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4422.

Sincerely,

  
Jacob McLane for  
Jake Crook  
Project Manager

Enclosures

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# Case Narrative

**General Narrative  
for  
Weston Solutions  
Quivira 20409.016.015.0036.00  
SDG: 367269**

**March 16, 2015**

**Laboratory Identification:**

GEL Laboratories LLC  
2040 Savage Road  
Charleston, South Carolina 29407  
(843) 556-8171

**Summary**

**Sample receipt**

The sample(s) arrived at GEL Laboratories, LLC, Charleston, South Carolina on February 17, 2015, for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

**Sample Identification**

The laboratory received the following samples:

<b><u>Laboratory Identification</u></b>	<b><u>Sample Description</u></b>
367269001	VH-01-02in
367269002	VH-01-6in-10in
367269003	VH-01-18in-24in
367269004	VH-02-02in
367269005	VH-02-6in-10in
367269006	VH-02-12in-18in
367269007	VH-03-02in
367269008	VH-03-6in-10in
367269009	VH-04-02in
367269010	VH-04-6in-10in
367269011	VH-104-6in-10in
367269012	VH-05-02in
367269013	VH-103-6in-10in
367269014	VH-05-6in-10in
367269015	VH-05-12in-18in


**Case Narrative**

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

**Data Package**

The enclosed data package contains the following sections: General Narrative, Chain of Custody and Supporting Documentation, and data from the following fractions: Radiochemistry. This package, to the best of my knowledge, is in compliance with technical and administrative requirements.

GEL Laboratories, LLC appreciates this opportunity to provide you with analytical results and trusts that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate in contacting me at (843) 556-8171.

  
Jacob McLane for  
Jake Crook  
Project Manager

Red I

767269%

# CHAIN OF CUSTODY RECORD

PROJ. NO. 20409.016 015.0036.00		PROJECT NAME Quivira				NO. OF CONTAINERS	REMARKS				
SAMPLERS: (Signature) Brian Milton		Weston Solutions Inc. 1340 Treat Blvd Ste 210 510332-4439 Walnut Creek, CA									
DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION						
2/3/15	1640	Soil		X	VH-01-02"	X					
	1642			X	VH-01-6"-10"	X					
	1645			X	VH-01-18"-24"	X					
	1650			X	VH-02-02"	X					
	1652			X	VH-02-6"-10"	X					
	1655			X	VH-02-12"-18"	X					
	1700			X	VH-03-02"	X					
	1702			X	VH-03-6"-10"	X					
	1710			X	VH-04-02"	X					
	1715			X	VH-04-6"-10"	X					
	1715			X	VH-104-6"-10"	X					
	1718			X	VH-05-02"	X					
	1702			X	VH-03-6"-10"	X					
↓	1720			X	VH-05-6"-10"	X					
2/3/15	1725	↓		X	VH-05-12"-18"	X					

Revised by HASI 300-

Relinquished by: (Signature)  
Brian Milton

Date / Time  
2/13/15 1545

Received by: (Signature)

Relinquished by: (Signature)

Date / Time

Received by: (Signature)

Relinquished by: (Signature)

Date / Time

Received by: (Signature)

Relinquished by: (Signature)

Date / Time

Received by: (Signature)

Received for Laboratory by: (Signature)  
Julia Adams

Date / Time  
2-17-15 1200

Temp.  
15°C

Seals Intact (Y/N)  
Y

Conditions / Remarks  
Send results to: Brian Milton  
Weston Solutions Inc.  
1340 Treat Blvd Ste 210  
Walnut Creek CA 94597  
brian.milton@westonsolutions.com  
9-1923



SAMPLE RECEIPT & REVIEW FORM

Client: <u>Weston</u>		SDG/AR/COC/Work Order: <u>367269</u>
Received By: <u>AK</u>		Date Received: <u>2-17-15</u>
Suspected Hazard Information	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>Cpm 200</u>
Classified Radioactive II or III by RSO?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Package, COC, and/or Samples marked as beryllium or asbestos containing?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe) <u>15c</u> *all temperatures are recorded in Celsius
2a Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: <u>130532776</u> Secondary Temperature Device Serial # (If Applicable):
3 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4 Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5 Samples requiring chemical preservation at proper pH?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6 VOA vials free of headspace (defined as < 6mm bubble)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's and containers affected:
7 Are Encore containers present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(If yes, immediately deliver to Volatiles laboratory)
8 Samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected:
9 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's and containers affected:
10 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's affected:
11 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's affected:
12 Are sample containers identifiable as GEL provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14 Carrier and tracking number.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: FedEx Air <input checked="" type="checkbox"/> FedEx Ground <input type="checkbox"/> UPS <input type="checkbox"/> Field Services <input type="checkbox"/> Courier <input type="checkbox"/> Other <u>8065 1460 3900</u>

Comments (Use Continuation Form if needed):

# **Data Review Qualifier Definitions**

## Data Review Qualifier Definitions

Qualifier	Explanation
*	A quality control analyte recovery is outside of specified acceptance criteria
**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
A	The TIC is a suspected aldol-condensation product
B	Target analyte was detected in the associated blank
B	Metals-Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
d	5-day BOD-The 2:1 depletion requirement was not met for this sample
E	Organics-Concentration of the target analyte exceeds the instrument calibration range
E	Metals-%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
H	Analytical holding time was exceeded
h	Preparation or preservation holding time was exceeded
J	Value is estimated
N	Metals-The Matrix spike sample recovery is not within specified control limits
N	Organics-Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
N/A	Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
ND	Analyte concentration is not detected above the reporting limit
UI	Gamma Spectroscopy-Uncertain identification
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
Z	Paint Filter Test-Particulates passed through the filter, however no free liquids were observed.



- P Organics-The concentrations between the primary and confirmation columns/detectors is >40% difference.  
For HPLC, the difference is >70%.
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

**List of current GEL Certifications as of 16 March 2015**

<b>State</b>	<b>Certification</b>
Alaska	UST-110
Arkansas	88-0651
CLIA	42D0904046
California	2940 Interim
Colorado	SC00012
Connecticut	PH-0169
Delaware	SC000122013-10
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-12-00283, P330-12-00284
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC000122013-10
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA150001
Maryland	270
Massachusetts	M-SC012
Michigan	9976
Mississippi	SC000122013-10
Nebraska	NE-OS-26-13
Nevada	SC000122014-1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
Oklahoma	9904
Pennsylvania NELAP	68-00485
Plant Material Permit	PDEP-12-00260
S.Carolina Radchem	10120002
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-15-10
Utah NELAP	SC000122014-16
Vermont	VT87156
Virginia NELAP	460202
Washington	C780-12

# **Radiological Analysis**

**Radiochemistry  
Technical Case Narrative  
Weston Solutions (WES9)  
SDG #: 367269**

**Method/Analysis Information**

**Product:**                               **Gamma, Ra226, Solid**  
Analytical Method:               DOE HASL 300, 4.5.2.3/Ga-01-R  
Prep Method:                         Dry Soil Prep  
Analytical Batch Number:       1458509  
Prep Batch Number:               1458474

<b>Sample ID</b>	<b>Client ID</b>
367269001	VH-01-02in
367269002	VH-01-6in-10in
367269003	VH-01-18in-24in
367269004	VH-02-02in
367269005	VH-02-6in-10in
367269006	VH-02-12in-18in
367269007	VH-03-02in
367269008	VH-03-6in-10in
367269009	VH-04-02in
367269010	VH-04-6in-10in
367269011	VH-104-6in-10in
367269012	VH-05-02in
367269013	VH-103-6in-10in
367269014	VH-05-6in-10in
367269015	VH-05-12in-18in
1203266705	MB for batch 1458509
1203266707	Laboratory Control Sample (LCS)
1203266706	367269004(VH-02-02in) Sample Duplicate (DUP)

The samples in this SDG were analyzed on a "dry weight" basis.

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-013 REV# 25.

**Calibration Information:**

**Calibration Information**

All initial and continuing calibration requirements have been met.

**Standards Information**

Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

**Sample Geometry**

All counting sources were prepared in the same geometry as the calibration standards.

**Quality Control (QC) Information:****Blank Information**

The blank volume is representative of the sample volume in this batch.

**Designated QC**

The following sample was used for QC: 367269004 (VH-02-02in).

**QC Information**

All of the QC samples met the required acceptance limits.

**Technical Information:****Holding Time**

All sample procedures for this sample set were performed within the required holding time.

**Sample Re-prep/Re-analysis**

None of the samples in this sample set required reprep or reanalysis.

**Recounts**

None of the samples in this sample set were recounted.

**Miscellaneous Information:****Data Exception (DER) Documentation**

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

**Sample-Specific MDA/MDC**

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

**Additional Comments**

Additional comments were not required for this sample set.

**Qualifier Information**

Manual qualifiers were not required.

**Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Qualifier Definition Report for

WES9001 Weston Solutions

Client SDG: 367269 GEL Work Order: 367269

**The Qualifiers in this report are defined as follows:**

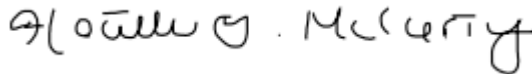
- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a Tracer compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

**Review/Validation**

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

**Signature:**



**Name:** Heather McCarty

**Date:** 12 MAR 2015

**Title:** Analyst II

# **Sample Data Summary**

# GEL LABORATORIES LLC

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## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

Client Sample ID: VH-01-02in Project: WES900215  
Sample ID: 367269001 Client ID: WES9001  
Matrix: Soil  
Collect Date: 03-FEB-15 16:40  
Receive Date: 17-FEB-15  
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		5.83	+/-0.360	0.175	1.00	pCi/g		MXR1	03/11/15	0619	1458509	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).



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## Certificate of Analysis

Report Date: March 12, 2015

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Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

---

Client Sample ID:	VH-01-6in-10in	Project:	WES900215
Sample ID:	367269002	Client ID:	WES9001
Matrix:	Soil		
Collect Date:	03-FEB-15 16:42		
Receive Date:	17-FEB-15		
Collector:	Client		

---

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		4.27	+/-0.353	0.230	1.00	pCi/g		MXR1	03/11/15	0620	1458509	1

The following Prep Methods were performed:

---

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

---

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

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## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
 Address : 1340 Treat Blvd., Suite 210  
 Walnut Creek, California 94597  
 Contact: Mr. Brian Milton  
 Project: Quivira 20409.016.015.0036.00

Client Sample ID: VH-01-18in-24in	Project: WES900215
Sample ID: 367269003	Client ID: WES9001
Matrix: Soil	
Collect Date: 03-FEB-15 16:45	
Receive Date: 17-FEB-15	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		0.799	+/-0.171	0.132	1.00	pCi/g		MXR1	03/11/15	0620	1458509	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

**Notes:**

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

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## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

Client Sample ID: VH-02-02in Project: WES900215  
Sample ID: 367269004 Client ID: WES9001  
Matrix: Soil  
Collect Date: 03-FEB-15 16:50  
Receive Date: 17-FEB-15  
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		1.21	+/-0.187	0.132	1.00	pCi/g		MXR1	03/11/15	0620	1458509	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).



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## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

Client Sample ID: VH-02-12in-18in Project: WES900215  
Sample ID: 367269006 Client ID: WES9001  
Matrix: Soil  
Collect Date: 03-FEB-15 16:55  
Receive Date: 17-FEB-15  
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		1.07	+/-0.180	0.136	1.00	pCi/g		MXR1	03/11/15	0634	1458509	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

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## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
 Address : 1340 Treat Blvd., Suite 210  
 Walnut Creek, California 94597  
 Contact: Mr. Brian Milton  
 Project: Quivira 20409.016.015.0036.00

---

Client Sample ID: VH-03-02in	Project: WES900215
Sample ID: 367269007	Client ID: WES9001
Matrix: Soil	
Collect Date: 03-FEB-15 17:00	
Receive Date: 17-FEB-15	
Collector: Client	

---

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		2.52	+/-0.223	0.153	1.00	pCi/g		MXR1	03/11/15	0635	1458509	1

The following Prep Methods were performed:

---

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

---

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

**Notes:**

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

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## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

Client Sample ID: VH-03-6in-10in  
Sample ID: 367269008  
Matrix: Soil  
Collect Date: 03-FEB-15 17:02  
Receive Date: 17-FEB-15  
Collector: Client  
Project: WES900215  
Client ID: WES9001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		15.6	+/-0.646	0.260	1.00	pCi/g		MXR1	03/11/15	0643	1458509	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

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## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

Client Sample ID: VH-04-02in Project: WES900215  
Sample ID: 367269009 Client ID: WES9001  
Matrix: Soil  
Collect Date: 03-FEB-15 17:10  
Receive Date: 17-FEB-15  
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		13.0	+/-0.446	0.184	1.00	pCi/g		MXR1	03/11/15	0644	1458509	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).



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## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

---

Client Sample ID:	VH-04-6in-10in	Project:	WES900215
Sample ID:	367269010	Client ID:	WES9001
Matrix:	Soil		
Collect Date:	03-FEB-15 17:15		
Receive Date:	17-FEB-15		
Collector:	Client		

---

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		0.538	+/-0.128	0.109	1.00	pCi/g		MXR1	03/11/15	0644	1458509	1

The following Prep Methods were performed:

---

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

---

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

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## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

---

Client Sample ID:	VH-104-6in-10in	Project:	WES900215
Sample ID:	367269011	Client ID:	WES9001
Matrix:	Soil		
Collect Date:	03-FEB-15 17:15		
Receive Date:	17-FEB-15		
Collector:	Client		

---

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		0.658	+/-0.154	0.124	1.00	pCi/g		MXR1	03/11/15	0648	1458509	1

The following Prep Methods were performed:

---

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

---

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

Client Sample ID: VH-05-02in Project: WES900215  
Sample ID: 367269012 Client ID: WES9001  
Matrix: Soil  
Collect Date: 03-FEB-15 17:18  
Receive Date: 17-FEB-15  
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		1.62	+/-0.205	0.134	1.00	pCi/g		MXR1	03/11/15	0649	1458509	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

---

Client Sample ID:	VH-103-6in-10in	Project:	WES900215
Sample ID:	367269013	Client ID:	WES9001
Matrix:	Soil		
Collect Date:	03-FEB-15 17:02		
Receive Date:	17-FEB-15		
Collector:	Client		

---

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		9.95	+/-0.636	0.308	1.00	pCi/g		MXR1	03/11/15	0701	1458509	1

The following Prep Methods were performed:

---

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

---

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

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## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

---

Client Sample ID: VH-05-6in-10in      Project: WES900215  
Sample ID: 367269014      Client ID: WES9001  
Matrix: Soil  
Collect Date: 03-FEB-15 17:20  
Receive Date: 17-FEB-15  
Collector: Client

---

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		0.480	+/-0.135	0.163	1.00	pCi/g		MXR1	03/11/15	0707	1458509	1

The following Prep Methods were performed:

---

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

---

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 12, 2015

Company : Weston Solutions, Inc.  
Address : 1340 Treat Blvd., Suite 210  
Walnut Creek, California 94597  
Contact: Mr. Brian Milton  
Project: Quivira 20409.016.015.0036.00

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Client Sample ID: VH-05-12in-18in      Project: WES900215  
Sample ID: 367269015      Client ID: WES9001  
Matrix: Soil  
Collect Date: 03-FEB-15 17:25  
Receive Date: 17-FEB-15  
Collector: Client

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Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		0.671	+/-0.247	0.222	1.00	pCi/g		MXR1	03/11/15	0721	1458509	1

The following Prep Methods were performed:

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Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	KYW2	02/17/15	1451	1458474

The following Analytical Methods were performed:

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Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

### Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

# Quality Control Data

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: March 12, 2015

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**Weston Solutions, Inc.**  
**1340 Treat Blvd., Suite 210**  
**Walnut Creek, California**

**Contact: Mr. Brian Milton**

**Workorder: 367269**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
<b>Rad Gamma Spec</b>											
Batch	1458509										
QC1203266706	367269004	DUP									
Radium-226		1.21		1.41	pCi/g	14.8		(0%-20%)	MXR1	03/11/15	07:32
	Uncertainty	+/-0.187		+/-0.214							
QC1203266707	LCS										
Americium-241		490		497	pCi/g		101	(75%-125%)		03/11/15	06:25
	Uncertainty			+/-6.01							
Cesium-137		186		178	pCi/g		95.8	(75%-125%)			
	Uncertainty			+/-3.89							
Cobalt-60		199		183	pCi/g		92.3	(75%-125%)			
	Uncertainty			+/-4.35							
Radium-226			U	0.850	pCi/g						
	Uncertainty			+/-1.60							
QC1203266705	MB										
Radium-226			U	-0.0382	pCi/g					03/11/15	07:21
	Uncertainty			+/-0.0463							

**Notes:**

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a Tracer compound
- < Result is less than value reported
- > Result is greater than value reported
- BD Results are either below the MDC or tracer recovery is low
- FA Failed analysis.
- H Analytical holding time was exceeded
- J Value is estimated
- 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.
- M M if above MDC and less than LLD
- M REMP Result > MDC/CL and < RDL
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.



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## QC Summary

Workorder: 367269

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
UI											
UJ											
UL											
X											
Y											
^											
h											

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

# **Gamma Spectroscopy Raw Data**

**QUIVIRA TECHNICAL SUPPORT SITE  
NAVAJO NATION, MCKINLEY COUNTY, NEW MEXICO  
DATA VALIDATION REPORT**

**Date:** January 29, 2016

**Laboratory:** TestAmerica Laboratories, Inc., St Louis, MO

**Laboratory Work Order #:** 160-13372-1

**Data Validation Performed By:** Mindy Song, Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START)

**Weston Work Order #:** 20409.012.015.0036.00

**TDD #:** 0015/1302-T15-R9-14-12-0001

This data validation report has been prepared by WESTON START under the START IV Region 9 contract. This report documents the data validation for thirty five soil samples collected for the Quivira Technical Support Site that were analyzed for the following parameters and methods.

- Radium-226 by Gamma Spectroscopy, DOE HASL 300, 4.5.2.3/GA-01-R
- Metals by SW-846 Method 6010C

A level II data package was received from TestAmerica Laboratories Inc. A Stage 2A data validation was performed and was conducted in general accordance with “Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use”, dated January 13, 2009 and the EPA “Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review” dated August 2014. The Attachment contains the results summary sheets with any hand-written qualifiers applied during data validation.

**RADIUM-226 BY GAMMA SPECTRSCOPY, DOE HASL 300.4.5.2.3/GA-01R**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
VH4-01-0”	160-13372-1	Soil	8/13/2015	9/10/2015
VH4-02-0”	160-13372-2	Soil	8/13/2015	9/10/2015
VH4-102-0”	160-13372-3	Soil	8/13/2015	9/10/2015
VH4-03-0”	160-13372-4	Soil	8/13/2015	9/10/2015
VH4-04-0”	160-13372-5	Soil	8/13/2015	9/10/2015
VH4-05-0”	160-13372-6	Soil	8/13/2015	9/10/2015
VH4-06-0”	160-13372-7	Soil	8/13/2015	9/10/2015
VH4-07-0”	160-13372-8	Soil	8/13/2015	9/10/2015
VH4-107-0”	160-13372-9	Soil	8/13/2015	9/10/2015
VH4-08-0”	160-13372-10	Soil	8/13/2015	9/10/2015

Samples	Lab Sample ID	Matrix	Date Collected	Date Analyzed
VH4-09-0"	160-13372-11	Soil	8/13/2015	9/10/2015
VH4-10-0"	160-13372-12	Soil	8/13/2015	9/10/2015
VH4-11-0"	160-13372-13	Soil	8/13/2015	9/10/2015
VH4-12-0"	160-13372-14	Soil	8/13/2015	9/10/2015
VH4-13-0"	160-13372-15	Soil	8/13/2015	9/10/2015
VH4-14-0"	160-13372-16	Soil	8/13/2015	9/10/2015
VH4-01-12"	160-13372-17	Soil	8/13/2015	9/10/2015
VH4-02-08"	160-13372-18	Soil	8/13/2015	9/10/2015
VH4-03-12"	160-13372-19	Soil	8/13/2015	9/10/2015
VH4-04-12"	160-13372-20	Soil	8/13/2015	9/10/2015
VH4-05-12"	160-13372-21	Soil	8/13/2015	9/10/2015
VH4-06-12"	160-13372-22	Soil	8/13/2015	9/10/2015
VH4-07-12"	160-13372-23	Soil	8/13/2015	9/10/2015
VH4-08-12"	160-13372-24	Soil	8/13/2015	9/10/2015
VH4-09-12"	160-13372-25	Soil	8/13/2015	9/10/2015
VH4-10-12"	160-13372-26	Soil	8/13/2015	9/10/2015
VH4-11-8"	160-13372-27	Soil	8/13/2015	9/10/2015
VH4-12-8"	160-13372-28	Soil	8/13/2015	9/10/2015
VH4-13-12"	160-13372-29	Soil	8/13/2015	9/10/2015
VH4-113-12"	160-13372-30	Soil	8/13/2015	9/10/2015
VH4-14-8"	160-13372-31	Soil	8/13/2015	9/10/2015
VH4-13-24"	160-13372-32	Soil	8/13/2015	9/10/2015
VH4-05-18"	160-13372-33	Soil	8/13/2015	9/10/2015
VH4-10-18"	160-13372-34	Soil	8/13/2015	9/10/2015
VH4-06-21"	160-13372-35	Soil	8/13/2015	9/10/2015

1. **Data Verification Check**

A data verification and completeness check was performed in accordance with the Stage 1 and 2A verification checks outlined in the EPA "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use" dated January 13, 2009. For the radium-226 analyses, all analytical data package items were received from the laboratory.

2. **Holding Times**

The samples were analyzed within the required holding time limit of 6 months from sample collection.

**3. Blanks**

Method blanks were analyzed with the radium analyses and contained no detections of target analytes above the reporting limits.

**4. Laboratory Control Sample (LCS) Results**

The LCS recoveries were within laboratory quality control (QC) limits.

**5. Laboratory Duplicate Results**

The relative error ratios and relative percent differences (RPD) were below QC limits.

**6. Field Duplicate Results**

There are three field duplicates associated with this work order. The RPDs were calculated and ranged from 12 to 21 percent for Ra-226 and from 3 to 32 percent for Ra-228. Both RPDs were acceptable.

**7. Overall Assessment**

Insufficient volume of samples were provided for the following samples to fill a metal can calibrated for Ra-226 analysis by gamma spectroscopy: VH4-03-0", VH4-05-0", VH4-07-0", VH4-107-0", VH4-11-0", VH4-01-12", VH4-02-8", VH4-04-12", VH4-05-12", VH4-06-12", VH4-12-8", VH4-14-8", VH4-13-24", VH4-05-18", and VH4-06-21". The use of a different geometry could potentially bias the results low due to the loss of radon into the headspace of the container.

The radium data are acceptable for use based on the information received.

**METALS BY SW-846 METHOD 6010C**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
VH4-01-0"	160-13372-1	Soil	8/13/2015	9/08/2015
VH4-02-0"	160-13372-2	Soil	8/13/2015	9/08/2015
VH4-102-0"	160-13372-3	Soil	8/13/2015	9/08/2015
VH4-03-0"	160-13372-4	Soil	8/13/2015	9/08/2015

Samples	Lab Sample ID	Matrix	Date Collected	Date Analyzed
VH4-04-0"	160-13372-5	Soil	8/13/2015	9/08/2015
VH4-05-0"	160-13372-6	Soil	8/13/2015	9/08/2015
VH4-06-0"	160-13372-7	Soil	8/13/2015	9/08/2015
VH4-07-0"	160-13372-8	Soil	8/13/2015	9/08/2015
VH4-107-0"	160-13372-9	Soil	8/13/2015	9/08/2015
VH4-08-0"	160-13372-10	Soil	8/13/2015	9/09/2015 & 9/10/2015
VH4-09-0"	160-13372-11	Soil	8/13/2015	9/09/2015 & 9/10/2015
VH4-10-0"	160-13372-12	Soil	8/13/2015	9/08/2015
VH4-11-0"	160-13372-13	Soil	8/13/2015	9/08/2015
VH4-12-0"	160-13372-14	Soil	8/13/2015	9/09/2015 & 9/10/2015
VH4-13-0"	160-13372-15	Soil	8/13/2015	9/08/2015
VH4-14-0"	160-13372-16	Soil	8/13/2015	9/08/2015
VH4-01-12"	160-13372-17	Soil	8/13/2015	9/08/2015
VH4-02-08"	160-13372-18	Soil	8/13/2015	9/08/2015
VH4-03-12"	160-13372-19	Soil	8/13/2015	9/08/2015
VH4-04-12"	160-13372-20	Soil	8/13/2015	9/08/2015
VH4-05-12"	160-13372-21	Soil	8/13/2015	9/08/2015
VH4-06-12"	160-13372-22	Soil	8/13/2015	9/08/2015
VH4-07-12"	160-13372-23	Soil	8/13/2015	9/09/2015-9/10/2015
VH4-08-12"	160-13372-24	Soil	8/13/2015	9/09/2015-9/10/2015
VH4-09-12"	160-13372-25	Soil	8/13/2015	9/09/2015-09/10/2015
VH4-10-12"	160-13372-26	Soil	8/13/2015	9/08/2015
VH4-11-8"	160-13372-27	Soil	8/13/2015	9/09/2015-9/10/2015
VH4-12-8"	160-13372-28	Soil	8/13/2015	9/09/2015-9/10/2015
VH4-13-12"	160-13372-29	Soil	8/13/2015	9/08/2015
VH4-113-12"	160-13372-30	Soil	8/13/2015	9/08/2015
VH4-14-8"	160-13372-31	Soil	8/13/2015	9/09/2015-9/10/2015
VH4-13-24"	160-13372-32	Soil	8/13/2015	9/08/2015
VH4-05-18"	160-13372-33	Soil	8/13/2015	9/08/2015
VH4-10-18"	160-13372-34	Soil	8/13/2015	9/08/2015
VH4-06-21"	160-13372-35	Soil	8/13/2015	9/09/2015-9/10/2015

1. **Data Verification Check**

A data verification and completeness check was performed in accordance with the Stage 1 and 2A verification checks outlined in the EPA "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use" dated January 13, 2009. For the metals analyses,

all analytical data package items were received from the laboratory and the analyses were performed.

2. **Holding Times**

The samples were analyzed within the required holding time limit of 180 days from sample collection.

3. **Blanks**

A method blank was analyzed with the metals analyses and was free of target compound contamination above the reporting limits.

4. **LCS Results**

The LCS recoveries were within laboratory QC limits.

5. **MS and MSD Results**

A site-specific MS and MSD were analyzed using sample VH4-01-0" as the spiked sample. Magnesium and uranium recoveries were outside QC limits indicating matrix interferences with the sample. The detected magnesium results were qualified as estimated (J). Uranium recovery in the MSD was slightly high; however, no qualification was applied for this minor discrepancy.

6. **Field Duplicate Results**

There are three field duplicates associated with this work order. The RPDs were calculated for detected metals and ranged from 0 to 18 percent which is acceptable.

7. **Overall Assessment**

The metals data are acceptable for use as qualified based on the information received.

Data Validation Report  
Quivira Technical Support  
TestAmerica Laboratories, Inc.  
Laboratory Project #: 160-13372-1

**ATTACHMENT**

**TESTAMERICA LABORATORIES, INC.  
RESULTS SUMMARY**



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

**Client Sample ID: VH4-01-0"**

**Lab Sample ID: 160-13372-1**

Date Collected: 08/13/15 12:58

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0	J	8.6	2.0	mg/Kg		09/04/15 12:13	09/08/15 14:40	10
Barium	57		43	0.95	mg/Kg		09/04/15 12:13	09/08/15 14:40	10
Cadmium	ND	U	4.3	0.29	mg/Kg		09/04/15 12:13	09/08/15 14:40	10
Chromium	5.5	J	8.6	1.2	mg/Kg		09/04/15 12:13	09/08/15 14:40	10
Lead	15		8.6	1.1	mg/Kg		09/04/15 12:13	09/08/15 14:40	10
Magnesium	1600	FT J	860	27	mg/Kg		09/04/15 12:13	09/08/15 14:40	10
Molybdenum	ND	U	35	1.3	mg/Kg		09/04/15 12:13	09/08/15 14:40	10
Selenium	2.2	J	13	1.8	mg/Kg		09/04/15 12:13	09/08/15 14:40	10
Silver	ND	U	8.6	0.60	mg/Kg		09/04/15 12:13	09/08/15 14:40	10
Uranium	ND	FT U	430	24	mg/Kg		09/04/15 12:13	09/08/15 14:40	10
Vanadium	12	J	43	4.4	mg/Kg		09/04/15 12:13	09/08/15 14:40	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.45		0.309	0.344	1.00	0.225	pCi/g	08/20/15 09:24	09/10/15 07:33	1
Radium-228	1.28		0.293	0.321		0.169	pCi/g	08/20/15 09:24	09/10/15 07:33	1

**Client Sample ID: VH4-02-0"**

**Lab Sample ID: 160-13372-2**

Date Collected: 08/13/15 13:00

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.2	J	9.5	2.2	mg/Kg		09/04/15 12:13	09/08/15 15:09	10
Barium	66		47	1.0	mg/Kg		09/04/15 12:13	09/08/15 15:09	10
Cadmium	ND	U	4.7	0.32	mg/Kg		09/04/15 12:13	09/08/15 15:09	10
Chromium	6.1	J	9.5	1.3	mg/Kg		09/04/15 12:13	09/08/15 15:09	10
Lead	21		9.5	1.2	mg/Kg		09/04/15 12:13	09/08/15 15:09	10
Magnesium	2000	J	950	30	mg/Kg		09/04/15 12:13	09/08/15 15:09	10
Molybdenum	ND	U	38	1.5	mg/Kg		09/04/15 12:13	09/08/15 15:09	10
Selenium	ND		14	2.0	mg/Kg		09/04/15 12:13	09/08/15 15:09	10
Silver	ND		9.5	0.66	mg/Kg		09/04/15 12:13	09/08/15 15:09	10
Uranium	ND		470	27	mg/Kg		09/04/15 12:13	09/08/15 15:09	10
Vanadium	13	J	47	4.8	mg/Kg		09/04/15 12:13	09/08/15 15:09	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.88		0.309	0.366	1.00	0.193	pCi/g	08/20/15 09:24	09/10/15 07:32	1
Radium-228	0.739		0.273	0.284		0.523	pCi/g	08/20/15 09:24	09/10/15 07:32	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-102-0"

Lab Sample ID: 160-13372-3

Date Collected: 08/13/15 13:01

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.3	J	8.5	2.0	mg/Kg		09/04/15 12:13	09/08/15 15:13	10
Barium	71		42	0.93	mg/Kg		09/04/15 12:13	09/08/15 15:13	10
Cadmium	ND	U	4.2	0.29	mg/Kg		09/04/15 12:13	09/08/15 15:13	10
Chromium	5.7	J	8.5	1.2	mg/Kg		09/04/15 12:13	09/08/15 15:13	10
Lead	22		8.5	1.1	mg/Kg		09/04/15 12:13	09/08/15 15:13	10
Magnesium	2100	J	850	27	mg/Kg		09/04/15 12:13	09/08/15 15:13	10
Molybdenum	ND	U	34	1.3	mg/Kg		09/04/15 12:13	09/08/15 15:13	10
Selenium	2.5	J	13	1.7	mg/Kg		09/04/15 12:13	09/08/15 15:13	10
Silver	ND	U	8.5	0.59	mg/Kg		09/04/15 12:13	09/08/15 15:13	10
Uranium	ND	U	420	24	mg/Kg		09/04/15 12:13	09/08/15 15:13	10
Vanadium	13	J	42	4.3	mg/Kg		09/04/15 12:13	09/08/15 15:13	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.67		0.287	0.336	1.00	0.194	pCi/g	08/20/15 09:24	09/10/15 08:02	1
Radium-228	0.959		0.322	0.337		0.368	pCi/g	08/20/15 09:24	09/10/15 08:02	1

Client Sample ID: VH4-03-0"

Lab Sample ID: 160-13372-4

Date Collected: 08/13/15 13:05

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0	J	8.6	2.0	mg/Kg		09/04/15 12:13	09/08/15 15:17	10
Barium	52		43	0.95	mg/Kg		09/04/15 12:13	09/08/15 15:17	10
Cadmium	ND	U	4.3	0.29	mg/Kg		09/04/15 12:13	09/08/15 15:17	10
Chromium	3.6	J	8.6	1.2	mg/Kg		09/04/15 12:13	09/08/15 15:17	10
Lead	17		8.6	1.1	mg/Kg		09/04/15 12:13	09/08/15 15:17	10
Magnesium	1300	J	860	27	mg/Kg		09/04/15 12:13	09/08/15 15:17	10
Molybdenum	ND	U	35	1.3	mg/Kg		09/04/15 12:13	09/08/15 15:17	10
Selenium	ND		13	1.8	mg/Kg		09/04/15 12:13	09/08/15 15:17	10
Silver	ND		8.6	0.60	mg/Kg		09/04/15 12:13	09/08/15 15:17	10
Uranium	ND		430	24	mg/Kg		09/04/15 12:13	09/08/15 15:17	10
Vanadium	14	J	43	4.4	mg/Kg		09/04/15 12:13	09/08/15 15:17	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.59		0.232	0.285	1.00	0.182	pCi/g	08/20/15 09:24	09/10/15 11:29	1
Radium-228	0.899		0.200	0.220		0.157	pCi/g	08/20/15 09:24	09/10/15 11:29	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-04-0"

Lab Sample ID: 160-13372-5

Date Collected: 08/13/15 13:07

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0	J	8.8	2.1	mg/Kg		09/04/15 12:13	09/08/15 15:21	10
Barium	96		44	0.97	mg/Kg		09/04/15 12:13	09/08/15 15:21	10
Cadmium	ND	U	4.4	0.30	mg/Kg		09/04/15 12:13	09/08/15 15:21	10
Chromium	4.2	J	8.8	1.2	mg/Kg		09/04/15 12:13	09/08/15 15:21	10
Lead	20		8.8	1.1	mg/Kg		09/04/15 12:13	09/08/15 15:21	10
Magnesium	3400	J	880	28	mg/Kg		09/04/15 12:13	09/08/15 15:21	10
Molybdenum	ND	U	35	1.4	mg/Kg		09/04/15 12:13	09/08/15 15:21	10
Selenium	ND		13	1.8	mg/Kg		09/04/15 12:13	09/08/15 15:21	10
Silver	ND		8.8	0.62	mg/Kg		09/04/15 12:13	09/08/15 15:21	10
Uranium	ND		440	25	mg/Kg		09/04/15 12:13	09/08/15 15:21	10
Vanadium	8.5	J	44	4.5	mg/Kg		09/04/15 12:13	09/08/15 15:21	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.88		0.240	0.310	1.00	0.152	pCi/g	08/20/15 09:24	09/10/15 08:04	1
Radium-228	1.08		0.311	0.330		0.271	pCi/g	08/20/15 09:24	09/10/15 08:04	1

Client Sample ID: VH4-05-0"

Lab Sample ID: 160-13372-6

Date Collected: 08/13/15 13:09

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	J	8.7	2.1	mg/Kg		09/04/15 12:13	09/08/15 15:25	10
Barium	75		44	0.96	mg/Kg		09/04/15 12:13	09/08/15 15:25	10
Cadmium	ND	U	4.4	0.30	mg/Kg		09/04/15 12:13	09/08/15 15:25	10
Chromium	11		8.7	1.2	mg/Kg		09/04/15 12:13	09/08/15 15:25	10
Lead	47		8.7	1.1	mg/Kg		09/04/15 12:13	09/08/15 15:25	10
Magnesium	2100	J	870	28	mg/Kg		09/04/15 12:13	09/08/15 15:25	10
Molybdenum	ND	U	35	1.3	mg/Kg		09/04/15 12:13	09/08/15 15:25	10
Selenium	ND		13	1.8	mg/Kg		09/04/15 12:13	09/08/15 15:25	10
Silver	ND		8.7	0.61	mg/Kg		09/04/15 12:13	09/08/15 15:25	10
Uranium	ND		440	25	mg/Kg		09/04/15 12:13	09/08/15 15:25	10
Vanadium	14	J	44	4.4	mg/Kg		09/04/15 12:13	09/08/15 15:25	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	3.51		0.379	0.526	1.00	0.252	pCi/g	08/20/15 09:24	09/10/15 11:33	1
Radium-228	1.46		0.338	0.370		0.298	pCi/g	08/20/15 09:24	09/10/15 11:33	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

**Client Sample ID: VH4-06-0"**

**Lab Sample ID: 160-13372-7**

Date Collected: 08/13/15 13:11

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Arsenic	4.8	J	8.9	2.1	mg/Kg		09/04/15 12:13	09/08/15 15:30	10
Barium	55		44	0.97	mg/Kg		09/04/15 12:13	09/08/15 15:30	10
Cadmium	<del>ND</del> U		4.4	0.30	mg/Kg		09/04/15 12:13	09/08/15 15:30	10
Chromium	5.8	J	8.9	1.2	mg/Kg		09/04/15 12:13	09/08/15 15:30	10
Lead	21		8.9	1.1	mg/Kg		09/04/15 12:13	09/08/15 15:30	10
Magnesium	1600	J	890	28	mg/Kg		09/04/15 12:13	09/08/15 15:30	10
Molybdenum	<del>ND</del> U		35	1.4	mg/Kg		09/04/15 12:13	09/08/15 15:30	10
Selenium	<del>ND</del> ↓		13	1.8	mg/Kg		09/04/15 12:13	09/08/15 15:30	10
Silver	<del>ND</del> ↓		8.9	0.62	mg/Kg		09/04/15 12:13	09/08/15 15:30	10
Uranium	28	J	440	25	mg/Kg		09/04/15 12:13	09/08/15 15:30	10
Vanadium	12	J	44	4.5	mg/Kg		09/04/15 12:13	09/08/15 15:30	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	3.34		0.338	0.484	1.00	0.201	pCi/g	08/20/15 09:24	09/10/15 08:03	1
Radium-228	1.15		0.247	0.274		0.209	pCi/g	08/20/15 09:24	09/10/15 08:03	1

**Client Sample ID: VH4-07-0"**

**Lab Sample ID: 160-13372-8**

Date Collected: 08/13/15 13:17

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Arsenic	4.2	J	9.0	2.1	mg/Kg		09/04/15 12:13	09/08/15 15:34	10
Barium	77		45	0.99	mg/Kg		09/04/15 12:13	09/08/15 15:34	10
Cadmium	<del>ND</del> U		4.5	0.31	mg/Kg		09/04/15 12:13	09/08/15 15:34	10
Chromium	7.1	J	9.0	1.2	mg/Kg		09/04/15 12:13	09/08/15 15:34	10
Lead	24		9.0	1.2	mg/Kg		09/04/15 12:13	09/08/15 15:34	10
Magnesium	2300	J	900	29	mg/Kg		09/04/15 12:13	09/08/15 15:34	10
Molybdenum	<del>ND</del> U		36	1.4	mg/Kg		09/04/15 12:13	09/08/15 15:34	10
Selenium	2.3	J	14	1.9	mg/Kg		09/04/15 12:13	09/08/15 15:34	10
Silver	<del>ND</del> U		9.0	0.63	mg/Kg		09/04/15 12:13	09/08/15 15:34	10
Uranium	<del>ND</del> U		450	26	mg/Kg		09/04/15 12:13	09/08/15 15:34	10
Vanadium	14	J	45	4.6	mg/Kg		09/04/15 12:13	09/08/15 15:34	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	3.75		0.404	0.562	1.00	0.284	pCi/g	08/20/15 09:24	09/10/15 12:41	1
Radium-228	0.969		0.287	0.303		0.466	pCi/g	08/20/15 09:24	09/10/15 12:41	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-107-0"

Lab Sample ID: 160-13372-9

Date Collected: 08/13/15 13:18

Matrix: Solid

Date Received: 08/15/15 09:30

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.5	J	8.5	2.0	mg/Kg		09/04/15 12:13	09/08/15 15:38	10
Barium	66		42	0.93	mg/Kg		09/04/15 12:13	09/08/15 15:38	10
Cadmium	ND	U	4.2	0.29	mg/Kg		09/04/15 12:13	09/08/15 15:38	10
Chromium	6.7	J	8.5	1.2	mg/Kg		09/04/15 12:13	09/08/15 15:38	10
Lead	25		8.5	1.1	mg/Kg		09/04/15 12:13	09/08/15 15:38	10
Magnesium	2000	J	850	27	mg/Kg		09/04/15 12:13	09/08/15 15:38	10
Molybdenum	ND	U	34	1.3	mg/Kg		09/04/15 12:13	09/08/15 15:38	10
Selenium	2.2	J	13	1.7	mg/Kg		09/04/15 12:13	09/08/15 15:38	10
Silver	ND	U	8.5	0.59	mg/Kg		09/04/15 12:13	09/08/15 15:38	10
Uranium	35	J	420	24	mg/Kg		09/04/15 12:13	09/08/15 15:38	10
Vanadium	13	J	42	4.3	mg/Kg		09/04/15 12:13	09/08/15 15:38	10

### Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
Radium-226	3.03		0.320	0.449	1.00	0.209	pCi/g	08/20/15 09:24	09/10/15 12:45	1
Radium-228	0.997		0.250	0.270		0.318	pCi/g	08/20/15 09:24	09/10/15 12:45	1

Client Sample ID: VH4-08-0"

Lab Sample ID: 160-13372-10

Date Collected: 08/13/15 13:19

Matrix: Solid

Date Received: 08/15/15 09:30

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8	J	1.9	0.46	mg/Kg		09/04/15 12:13	09/09/15 10:11	2
Barium	36		9.7	0.21	mg/Kg		09/04/15 12:13	09/09/15 10:11	2
Cadmium	ND	U	0.97	0.066	mg/Kg		09/04/15 12:13	09/09/15 10:11	2
Chromium	3.8		1.9	0.27	mg/Kg		09/04/15 12:13	09/10/15 10:37	2
Lead	9.7		1.9	0.25	mg/Kg		09/04/15 12:13	09/09/15 10:11	2
Magnesium	920	J	190	6.1	mg/Kg		09/04/15 12:13	09/09/15 10:11	2
Molybdenum	ND	U	7.8	0.30	mg/Kg		09/04/15 12:13	09/09/15 10:11	2
Selenium	ND		2.9	0.40	mg/Kg		09/04/15 12:13	09/09/15 10:11	2
Silver	ND		1.9	0.14	mg/Kg		09/04/15 12:13	09/09/15 10:11	2
Uranium	ND		97	5.5	mg/Kg		09/04/15 12:13	09/09/15 10:11	2
Vanadium	8.1	J	9.7	0.99	mg/Kg		09/04/15 12:13	09/09/15 10:11	2

### Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
Radium-226	1.39		0.309	0.341	1.00	0.234	pCi/g	08/20/15 09:24	09/10/15 08:05	1
Radium-228	0.538		0.271	0.277		0.518	pCi/g	08/20/15 09:24	09/10/15 08:05	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

**Client Sample ID: VH4-09-0"**

**Lab Sample ID: 160-13372-11**

Date Collected: 08/13/15 13:24

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		1.7	0.41	mg/Kg		09/04/15 12:13	09/09/15 10:15	2
Barium	32		8.6	0.19	mg/Kg		09/04/15 12:13	09/09/15 10:15	2
Cadmium	ND	U	0.86	0.059	mg/Kg		09/04/15 12:13	09/09/15 10:15	2
Chromium	3.3		1.7	0.24	mg/Kg		09/04/15 12:13	09/10/15 10:42	2
Lead	11		1.7	0.22	mg/Kg		09/04/15 12:13	09/09/15 10:15	2
Magnesium	830	J	170	5.5	mg/Kg		09/04/15 12:13	09/09/15 10:15	2
Molybdenum	ND	U	6.9	0.27	mg/Kg		09/04/15 12:13	09/09/15 10:15	2
Selenium	ND		2.6	0.36	mg/Kg		09/04/15 12:13	09/09/15 10:15	2
Silver	ND		1.7	0.12	mg/Kg		09/04/15 12:13	09/09/15 10:15	2
Uranium	ND		86	4.9	mg/Kg		09/04/15 12:13	09/09/15 10:15	2
Vanadium	7.1	J	8.6	0.88	mg/Kg		09/04/15 12:13	09/09/15 10:15	2

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.47		0.233	0.279	1.00	0.136	pCi/g	08/20/15 09:24	09/10/15 08:06	1
Radium-228	0.709		0.283	0.292		0.250	pCi/g	08/20/15 09:24	09/10/15 08:06	1

**Client Sample ID: VH4-10-0"**

**Lab Sample ID: 160-13372-12**

Date Collected: 08/13/15 13:25

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.3	J	8.6	2.0	mg/Kg		09/04/15 12:13	09/08/15 16:03	10
Barium	110		43	0.95	mg/Kg		09/04/15 12:13	09/08/15 16:03	10
Cadmium	ND	U	4.3	0.29	mg/Kg		09/04/15 12:13	09/08/15 16:03	10
Chromium	5.9	J	8.6	1.2	mg/Kg		09/04/15 12:13	09/08/15 16:03	10
Lead	16		8.6	1.1	mg/Kg		09/04/15 12:13	09/08/15 16:03	10
Magnesium	2000	J	860	27	mg/Kg		09/04/15 12:13	09/08/15 16:03	10
Molybdenum	ND	U	34	1.3	mg/Kg		09/04/15 12:13	09/08/15 16:03	10
Selenium	4.7	J	13	1.8	mg/Kg		09/04/15 12:13	09/08/15 16:03	10
Silver	ND	U	8.6	0.60	mg/Kg		09/04/15 12:13	09/08/15 16:03	10
Uranium	31	J	430	24	mg/Kg		09/04/15 12:13	09/08/15 16:03	10
Vanadium	17	J	43	4.4	mg/Kg		09/04/15 12:13	09/08/15 16:03	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	12.2		0.710	1.45	1.00	0.274	pCi/g	08/20/15 09:24	09/10/15 08:38	1
Radium-228	0.885		0.454	0.463		0.660	pCi/g	08/20/15 09:24	09/10/15 08:38	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

**Client Sample ID: VH4-11-0"**

**Lab Sample ID: 160-13372-13**

Date Collected: 08/13/15 13:30

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.5	J	9.5	2.3	mg/Kg		09/04/15 12:13	09/08/15 16:07	10
Barium	83		48	1.1	mg/Kg		09/04/15 12:13	09/08/15 16:07	10
Cadmium	<del>ND</del> U		4.8	0.32	mg/Kg		09/04/15 12:13	09/08/15 16:07	10
Chromium	7.6	J	9.5	1.3	mg/Kg		09/04/15 12:13	09/08/15 16:07	10
Lead	18		9.5	1.2	mg/Kg		09/04/15 12:13	09/08/15 16:07	10
Magnesium	2200	J	950	30	mg/Kg		09/04/15 12:13	09/08/15 16:07	10
Molybdenum	<del>ND</del> U		38	1.5	mg/Kg		09/04/15 12:13	09/08/15 16:07	10
Selenium	2.3	J	14	2.0	mg/Kg		09/04/15 12:13	09/08/15 16:07	10
Silver	<del>ND</del> U		9.5	0.67	mg/Kg		09/04/15 12:13	09/08/15 16:07	10
Uranium	36	J	480	27	mg/Kg		09/04/15 12:13	09/08/15 16:07	10
Vanadium	15	J	48	4.8	mg/Kg		09/04/15 12:13	09/08/15 16:07	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	2.67		0.276	0.391	1.00	0.193	pCi/g	08/20/15 09:24	09/10/15 14:02	1
Radium-228	1.33		0.298	0.327		0.239	pCi/g	08/20/15 09:24	09/10/15 14:02	1

**Client Sample ID: VH4-12-0"**

**Lab Sample ID: 160-13372-14**

Date Collected: 08/13/15 13:34

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		1.9	0.45	mg/Kg		09/04/15 12:13	09/09/15 10:19	2
Barium	24		9.5	0.21	mg/Kg		09/04/15 12:13	09/09/15 10:19	2
Cadmium	<del>ND</del> U		0.95	0.065	mg/Kg		09/04/15 12:13	09/09/15 10:19	2
Chromium	3.1		1.9	0.26	mg/Kg		09/04/15 12:13	09/10/15 10:46	2
Lead	8.3		1.9	0.25	mg/Kg		09/04/15 12:13	09/09/15 10:19	2
Magnesium	720	J	190	6.0	mg/Kg		09/04/15 12:13	09/09/15 10:19	2
Molybdenum	<del>ND</del> U		7.6	0.29	mg/Kg		09/04/15 12:13	09/09/15 10:19	2
Selenium	<del>ND</del> U		2.9	0.39	mg/Kg		09/04/15 12:13	09/09/15 10:19	2
Silver	<del>ND</del> U		1.9	0.13	mg/Kg		09/04/15 12:13	09/09/15 10:19	2
Uranium	<del>ND</del> U		95	5.4	mg/Kg		09/04/15 12:13	09/09/15 10:19	2
Vanadium	8.5	J	9.5	0.96	mg/Kg		09/04/15 12:13	09/09/15 10:19	2

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.823		0.175	0.195	1.00	0.123	pCi/g	08/20/15 09:24	09/10/15 08:39	1
Radium-228	0.504		0.198	0.204		0.339	pCi/g	08/20/15 09:24	09/10/15 08:39	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

**Client Sample ID: VH4-13-0"**

**Lab Sample ID: 160-13372-15**

Date Collected: 08/13/15 13:38

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.3	J	9.1	2.1	mg/Kg		09/04/15 12:13	09/08/15 16:15	10
Barium	61		45	1.0	mg/Kg		09/04/15 12:13	09/08/15 16:15	10
Cadmium	ND	U	4.5	0.31	mg/Kg		09/04/15 12:13	09/08/15 16:15	10
Chromium	6.8	J	9.1	1.3	mg/Kg		09/04/15 12:13	09/08/15 16:15	10
Lead	19		9.1	1.2	mg/Kg		09/04/15 12:13	09/08/15 16:15	10
Magnesium	1700	J	910	29	mg/Kg		09/04/15 12:13	09/08/15 16:15	10
Molybdenum	ND	U	36	1.4	mg/Kg		09/04/15 12:13	09/08/15 16:15	10
Selenium	5.1	J	14	1.9	mg/Kg		09/04/15 12:13	09/08/15 16:15	10
Silver	ND	U	9.1	0.63	mg/Kg		09/04/15 12:13	09/08/15 16:15	10
Uranium	31	J	450	26	mg/Kg		09/04/15 12:13	09/08/15 16:15	10
Vanadium	23	J	45	4.6	mg/Kg		09/04/15 12:13	09/08/15 16:15	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	12.4		0.629	1.44	1.00	0.250	pCi/g	08/20/15 09:24	09/10/15 08:40	1
Radium-228	1.46		0.433	0.458		0.371	pCi/g	08/20/15 09:24	09/10/15 08:40	1

**Client Sample ID: VH4-14-0"**

**Lab Sample ID: 160-13372-16**

Date Collected: 08/13/15 13:39

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0	J	8.6	2.0	mg/Kg		09/04/15 12:13	09/08/15 16:19	10
Barium	68		43	0.95	mg/Kg		09/04/15 12:13	09/08/15 16:19	10
Cadmium	ND	U	4.3	0.29	mg/Kg		09/04/15 12:13	09/08/15 16:19	10
Chromium	7.7	J	8.6	1.2	mg/Kg		09/04/15 12:13	09/08/15 16:19	10
Lead	25		8.6	1.1	mg/Kg		09/04/15 12:13	09/08/15 16:19	10
Magnesium	2200	J	860	27	mg/Kg		09/04/15 12:13	09/08/15 16:19	10
Molybdenum	ND	U	35	1.3	mg/Kg		09/04/15 12:13	09/08/15 16:19	10
Selenium	4.1	J	13	1.8	mg/Kg		09/04/15 12:13	09/08/15 16:19	10
Silver	ND	U	8.6	0.60	mg/Kg		09/04/15 12:13	09/08/15 16:19	10
Uranium	ND	U	430	24	mg/Kg		09/04/15 12:13	09/08/15 16:19	10
Vanadium	15	J	43	4.4	mg/Kg		09/04/15 12:13	09/08/15 16:19	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	2.76		0.268	0.392	1.00	0.148	pCi/g	08/20/15 09:24	09/10/15 08:36	1
Radium-228	1.31		0.308	0.335		0.205	pCi/g	08/20/15 09:24	09/10/15 08:36	1

TestAmerica St. Louis



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-01-12"

Lab Sample ID: 160-13372-17

Date Collected: 08/13/15 13:00

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9	J	8.6	2.0	mg/Kg		09/04/15 12:13	09/08/15 16:23	10
Barium	72		43	0.95	mg/Kg		09/04/15 12:13	09/08/15 16:23	10
Cadmium	ND	U	4.3	0.29	mg/Kg		09/04/15 12:13	09/08/15 16:23	10
Chromium	8.6		8.6	1.2	mg/Kg		09/04/15 12:13	09/08/15 16:23	10
Lead	15		8.6	1.1	mg/Kg		09/04/15 12:13	09/08/15 16:23	10
Magnesium	1600	J	860	27	mg/Kg		09/04/15 12:13	09/08/15 16:23	10
Molybdenum	ND	U	35	1.3	mg/Kg		09/04/15 12:13	09/08/15 16:23	10
Selenium	3.1	J	13	1.8	mg/Kg		09/04/15 12:13	09/08/15 16:23	10
Silver	ND	U	8.6	0.61	mg/Kg		09/04/15 12:13	09/08/15 16:23	10
Uranium	ND	U	430	24	mg/Kg		09/04/15 12:13	09/08/15 16:23	10
Vanadium	16	J	43	4.4	mg/Kg		09/04/15 12:13	09/08/15 16:23	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.06		0.216	0.243	1.00	0.191	pCi/g	08/20/15 09:24	09/10/15 14:03	1
Radium-228	1.56		0.257	0.302		0.200	pCi/g	08/20/15 09:24	09/10/15 14:03	1

Client Sample ID: VH4-02-8"

Lab Sample ID: 160-13372-18

Date Collected: 08/13/15 13:07

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.7	J	9.0	2.1	mg/Kg		09/04/15 12:13	09/08/15 16:27	10
Barium	87		45	0.99	mg/Kg		09/04/15 12:13	09/08/15 16:27	10
Cadmium	ND	U	4.5	0.31	mg/Kg		09/04/15 12:13	09/08/15 16:27	10
Chromium	17		9.0	1.2	mg/Kg		09/04/15 12:13	09/08/15 16:27	10
Lead	27		9.0	1.2	mg/Kg		09/04/15 12:13	09/08/15 16:27	10
Magnesium	2600	J	900	28	mg/Kg		09/04/15 12:13	09/08/15 16:27	10
Molybdenum	ND	U	36	1.4	mg/Kg		09/04/15 12:13	09/08/15 16:27	10
Selenium	1.9	J	14	1.9	mg/Kg		09/04/15 12:13	09/08/15 16:27	10
Silver	ND	U	9.0	0.63	mg/Kg		09/04/15 12:13	09/08/15 16:27	10
Uranium	ND	U	450	26	mg/Kg		09/04/15 12:13	09/08/15 16:27	10
Vanadium	17	J	45	4.6	mg/Kg		09/04/15 12:13	09/08/15 16:27	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.71		0.269	0.323	1.00	0.211	pCi/g	08/20/15 09:24	09/10/15 16:00	1
Radium-228	1.42		0.276	0.312		0.271	pCi/g	08/20/15 09:24	09/10/15 16:00	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

**Client Sample ID: VH4-03-12"**

**Lab Sample ID: 160-13372-19**

Date Collected: 08/13/15 13:23

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0	J	8.6	2.0	mg/Kg		09/04/15 12:13	09/08/15 16:31	10
Barium	64		43	0.94	mg/Kg		09/04/15 12:13	09/08/15 16:31	10
Cadmium	<del>ND</del> U		4.3	0.29	mg/Kg		09/04/15 12:13	09/08/15 16:31	10
Chromium	4.9	J	8.6	1.2	mg/Kg		09/04/15 12:13	09/08/15 16:31	10
Lead	23		8.6	1.1	mg/Kg		09/04/15 12:13	09/08/15 16:31	10
Magnesium	1500	J	860	27	mg/Kg		09/04/15 12:13	09/08/15 16:31	10
Molybdenum	1.3	J	34	1.3	mg/Kg		09/04/15 12:13	09/08/15 16:31	10
Selenium	<del>ND</del> U		13	1.8	mg/Kg		09/04/15 12:13	09/08/15 16:31	10
Silver	<del>ND</del> U		8.6	0.60	mg/Kg		09/04/15 12:13	09/08/15 16:31	10
Uranium	64	J	430	24	mg/Kg		09/04/15 12:13	09/08/15 16:31	10
Vanadium	13	J	43	4.4	mg/Kg		09/04/15 12:13	09/08/15 16:31	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
Radium-226	3.01		0.327	0.452	1.00	0.189	pCi/g	08/20/15 09:24	09/10/15 08:37	1
Radium-228	0.859		0.280	0.293		0.238	pCi/g	08/20/15 09:24	09/10/15 08:37	1

**Client Sample ID: VH4-04-12"**

**Lab Sample ID: 160-13372-20**

Date Collected: 08/13/15 13:29

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.2	J	8.9	2.1	mg/Kg		09/04/15 12:13	09/08/15 16:48	10
Barium	44	J	45	0.98	mg/Kg		09/04/15 12:13	09/08/15 16:48	10
Cadmium	<del>ND</del> U		4.5	0.30	mg/Kg		09/04/15 12:13	09/08/15 16:48	10
Chromium	14		8.9	1.2	mg/Kg		09/04/15 12:13	09/08/15 16:48	10
Lead	14		8.9	1.2	mg/Kg		09/04/15 12:13	09/08/15 16:48	10
Magnesium	2100	J	890	28	mg/Kg		09/04/15 12:13	09/08/15 16:48	10
Molybdenum	<del>ND</del> U		36	1.4	mg/Kg		09/04/15 12:13	09/08/15 16:48	10
Selenium	<del>ND</del> ↓		13	1.8	mg/Kg		09/04/15 12:13	09/08/15 16:48	10
Silver	<del>ND</del> ↓		8.9	0.63	mg/Kg		09/04/15 12:13	09/08/15 16:48	10
Uranium	<del>ND</del> ↓		450	25	mg/Kg		09/04/15 12:13	09/08/15 16:48	10
Vanadium	15	J	45	4.5	mg/Kg		09/04/15 12:13	09/08/15 16:48	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
Radium-226	1.05		0.217	0.243	1.00	0.216	pCi/g	08/20/15 09:24	09/10/15 16:01	1
Radium-228	1.54		0.325	0.361		0.330	pCi/g	08/20/15 09:24	09/10/15 16:01	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-05-12"

Lab Sample ID: 160-13372-21

Date Collected: 08/13/15 13:35

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.1	J	9.5	2.2	mg/Kg		09/04/15 12:19	09/08/15 17:04	10
Barium	85		48	1.0	mg/Kg		09/04/15 12:19	09/08/15 17:04	10
Cadmium	ND	U	4.8	0.32	mg/Kg		09/04/15 12:19	09/08/15 17:04	10
Chromium	3.4	J	9.5	1.3	mg/Kg		09/04/15 12:19	09/08/15 17:04	10
Lead	35		9.5	1.2	mg/Kg		09/04/15 12:19	09/08/15 17:04	10
Magnesium	1800	F+ J	950	30	mg/Kg		09/04/15 12:19	09/08/15 17:04	10
Molybdenum	ND	U	38	1.5	mg/Kg		09/04/15 12:19	09/08/15 17:04	10
Selenium	30	B	14	2.0	mg/Kg		09/04/15 12:19	09/08/15 17:04	10
Silver	ND	U	9.5	0.67	mg/Kg		09/04/15 12:19	09/08/15 17:04	10
Uranium	82	J B	480	27	mg/Kg		09/04/15 12:19	09/08/15 17:04	10
Vanadium	57		48	4.8	mg/Kg		09/04/15 12:19	09/08/15 17:04	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	69.4		1.38	7.34	1.00	0.601	pCi/g	08/20/15 10:48	09/10/15 06:52	1
Radium-228	0.299	U	0.336	0.336		1.26	pCi/g	08/20/15 10:48	09/10/15 06:52	1

Client Sample ID: VH4-06-12"

Lab Sample ID: 160-13372-22

Date Collected: 08/13/15 13:38

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	U	9.6	2.3	mg/Kg		09/04/15 12:19	09/08/15 17:20	10
Barium	110		48	1.1	mg/Kg		09/04/15 12:19	09/08/15 17:20	10
Cadmium	ND	U	4.8	0.33	mg/Kg		09/04/15 12:19	09/08/15 17:20	10
Chromium	4.0	J	9.6	1.3	mg/Kg		09/04/15 12:19	09/08/15 17:20	10
Lead	14		9.6	1.2	mg/Kg		09/04/15 12:19	09/08/15 17:20	10
Magnesium	2200	J	960	30	mg/Kg		09/04/15 12:19	09/08/15 17:20	10
Molybdenum	1.5	J	38	1.5	mg/Kg		09/04/15 12:19	09/08/15 17:20	10
Selenium	40	B	14	2.0	mg/Kg		09/04/15 12:19	09/08/15 17:20	10
Silver	ND	U	9.6	0.67	mg/Kg		09/04/15 12:19	09/08/15 17:20	10
Uranium	150	J B	480	27	mg/Kg		09/04/15 12:19	09/08/15 17:20	10
Vanadium	61		48	4.9	mg/Kg		09/04/15 12:19	09/08/15 17:20	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	91.8		1.48	9.66	1.00	0.607	pCi/g	08/20/15 10:48	09/10/15 07:37	1
Radium-228	1.00	U	0.693	0.701		1.29	pCi/g	08/20/15 10:48	09/10/15 07:37	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-07-12"

Lab Sample ID: 160-13372-23

Date Collected: 08/13/15 13:46

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		1.9	0.44	mg/Kg		09/04/15 12:19	09/09/15 10:23	2
Barium	68		9.4	0.21	mg/Kg		09/04/15 12:19	09/09/15 10:23	2
Cadmium	<del>ND</del>	U	0.94	0.064	mg/Kg		09/04/15 12:19	09/09/15 10:23	2
Chromium	8.9		1.9	0.26	mg/Kg		09/04/15 12:19	09/10/15 10:50	2
Lead	12		1.9	0.24	mg/Kg		09/04/15 12:19	09/09/15 10:23	2
Magnesium	790	J	190	6.0	mg/Kg		09/04/15 12:19	09/09/15 10:23	2
Molybdenum	<del>ND</del>	U	7.5	0.29	mg/Kg		09/04/15 12:19	09/09/15 10:23	2
Selenium	<del>ND</del>		2.8	0.39	mg/Kg		09/04/15 12:19	09/09/15 10:23	2
Silver	<del>ND</del>		1.9	0.13	mg/Kg		09/04/15 12:19	09/09/15 10:23	2
Uranium	<del>ND</del>		94	5.3	mg/Kg		09/04/15 12:19	09/09/15 10:23	2
Vanadium	9.5		9.4	0.95	mg/Kg		09/04/15 12:19	09/09/15 10:23	2

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.04		0.201	0.228	1.00	0.172	pCi/g	08/20/15 10:48	09/10/15 06:54	1
Radium-228	1.05		0.204	0.230		0.251	pCi/g	08/20/15 10:48	09/10/15 06:54	1

Client Sample ID: VH4-08-12"

Lab Sample ID: 160-13372-24

Date Collected: 08/13/15 13:52

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3	J	1.8	0.41	mg/Kg		09/04/15 12:19	09/09/15 10:40	2
Barium	37		8.8	0.19	mg/Kg		09/04/15 12:19	09/09/15 10:40	2
Cadmium	<del>ND</del>	U	0.88	0.060	mg/Kg		09/04/15 12:19	09/09/15 10:40	2
Chromium	4.3		1.8	0.24	mg/Kg		09/04/15 12:19	09/10/15 11:06	2
Lead	9.4		1.8	0.23	mg/Kg		09/04/15 12:19	09/09/15 10:40	2
Magnesium	880	J	180	5.6	mg/Kg		09/04/15 12:19	09/09/15 10:40	2
Molybdenum	<del>ND</del>	U	7.0	0.27	mg/Kg		09/04/15 12:19	09/09/15 10:40	2
Selenium	<del>ND</del>		2.6	0.36	mg/Kg		09/04/15 12:19	09/09/15 10:40	2
Silver	<del>ND</del>		1.8	0.12	mg/Kg		09/04/15 12:19	09/09/15 10:40	2
Uranium	<del>ND</del>		88	5.0	mg/Kg		09/04/15 12:19	09/09/15 10:40	2
Vanadium	8.9		8.8	0.89	mg/Kg		09/04/15 12:19	09/09/15 10:40	2

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.939		0.180	0.205	1.00	0.111	pCi/g	08/20/15 10:48	09/10/15 06:57	1
Radium-228	0.851		0.208	0.225		0.302	pCi/g	08/20/15 10:48	09/10/15 06:57	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-09-12"

Lab Sample ID: 160-13372-25

Date Collected: 08/13/15 14:00

Matrix: Solid

Date Received: 08/15/15 09:30

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2	J	1.7	0.41	mg/Kg		09/04/15 12:19	09/09/15 10:44	2
Barium	20		8.6	0.19	mg/Kg		09/04/15 12:19	09/09/15 10:44	2
Cadmium	<del>ND</del>	U	0.86	0.059	mg/Kg		09/04/15 12:19	09/09/15 10:44	2
Chromium	7.5		1.7	0.24	mg/Kg		09/04/15 12:19	09/10/15 11:10	2
Lead	5.0		1.7	0.22	mg/Kg		09/04/15 12:19	09/09/15 10:44	2
Magnesium	720	J	170	5.5	mg/Kg		09/04/15 12:19	09/09/15 10:44	2
Molybdenum	<del>ND</del>	U	6.9	0.27	mg/Kg		09/04/15 12:19	09/09/15 10:44	2
Selenium	<del>ND</del>		2.6	0.36	mg/Kg		09/04/15 12:19	09/09/15 10:44	2
Silver	<del>ND</del>		1.7	0.12	mg/Kg		09/04/15 12:19	09/09/15 10:44	2
Uranium	<del>ND</del>		86	4.9	mg/Kg		09/04/15 12:19	09/09/15 10:44	2
Vanadium	8.4	J	8.6	0.88	mg/Kg		09/04/15 12:19	09/09/15 10:44	2

### Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.773		0.191	0.207	1.00	0.145	pCi/g	08/20/15 10:48	09/10/15 06:58	1
Radium-228	0.732		0.186	0.200		0.108	pCi/g	08/20/15 10:48	09/10/15 06:58	1

Client Sample ID: VH4-10-12"

Lab Sample ID: 160-13372-26

Date Collected: 08/13/15 14:10

Matrix: Solid

Date Received: 08/15/15 09:30

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.0	J	8.9	2.1	mg/Kg		09/04/15 12:19	09/08/15 17:49	10
Barium	58		44	0.98	mg/Kg		09/04/15 12:19	09/08/15 17:49	10
Cadmium	<del>ND</del>	U	4.4	0.30	mg/Kg		09/04/15 12:19	09/08/15 17:49	10
Chromium	7.4	J	8.9	1.2	mg/Kg		09/04/15 12:19	09/08/15 17:49	10
Lead	35		8.9	1.1	mg/Kg		09/04/15 12:19	09/08/15 17:49	10
Magnesium	1700	J	890	28	mg/Kg		09/04/15 12:19	09/08/15 17:49	10
Molybdenum	<del>ND</del>	U	36	1.4	mg/Kg		09/04/15 12:19	09/08/15 17:49	10
Selenium	<del>ND</del>		13	1.8	mg/Kg		09/04/15 12:19	09/08/15 17:49	10
Silver	<del>ND</del>		8.9	0.62	mg/Kg		09/04/15 12:19	09/08/15 17:49	10
Uranium	<del>ND</del>		440	25	mg/Kg		09/04/15 12:19	09/08/15 17:49	10
Vanadium	15	J	44	4.5	mg/Kg		09/04/15 12:19	09/08/15 17:49	10

### Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	3.15		0.402	0.518	1.00	0.227	pCi/g	08/20/15 10:48	09/10/15 06:59	1
Radium-228	1.53		0.303	0.340		0.254	pCi/g	08/20/15 10:48	09/10/15 06:59	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-11-8"

Lab Sample ID: 160-13372-27

Date Collected: 08/13/15 14:18

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.3		1.9	0.45	mg/Kg		09/04/15 12:19	09/09/15 10:48	2
Barium	21		9.5	0.21	mg/Kg		09/04/15 12:19	09/09/15 10:48	2
Cadmium	ND	U	0.95	0.064	mg/Kg		09/04/15 12:19	09/09/15 10:48	2
Chromium	9.2		1.9	0.26	mg/Kg		09/04/15 12:19	09/10/15 11:14	2
Lead	9.8		1.9	0.24	mg/Kg		09/04/15 12:19	09/09/15 10:48	2
Magnesium	360	J	190	6.0	mg/Kg		09/04/15 12:19	09/09/15 10:48	2
Molybdenum	ND	U	7.6	0.29	mg/Kg		09/04/15 12:19	09/09/15 10:48	2
Selenium	ND		2.8	0.39	mg/Kg		09/04/15 12:19	09/09/15 10:48	2
Silver	ND		1.9	0.13	mg/Kg		09/04/15 12:19	09/09/15 10:48	2
Uranium	ND		95	5.3	mg/Kg		09/04/15 12:19	09/09/15 10:48	2
Vanadium	4.9	J	9.5	0.96	mg/Kg		09/04/15 12:19	09/09/15 10:48	2

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.744		0.189	0.205	1.00	0.161	pCi/g	08/20/15 10:48	09/10/15 07:28	1
Radium-228	0.749		0.217	0.230		0.282	pCi/g	08/20/15 10:48	09/10/15 07:28	1

Client Sample ID: VH4-12-8"

Lab Sample ID: 160-13372-28

Date Collected: 08/13/15 14:25

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7	J	1.9	0.46	mg/Kg		09/04/15 12:19	09/09/15 10:52	2
Barium	28		9.7	0.21	mg/Kg		09/04/15 12:19	09/09/15 10:52	2
Cadmium	ND	U	0.97	0.066	mg/Kg		09/04/15 12:19	09/09/15 10:52	2
Chromium	20		1.9	0.27	mg/Kg		09/04/15 12:19	09/10/15 11:18	2
Lead	8.0		1.9	0.25	mg/Kg		09/04/15 12:19	09/09/15 10:52	2
Magnesium	960	J	190	6.1	mg/Kg		09/04/15 12:19	09/09/15 10:52	2
Molybdenum	ND	U	7.8	0.30	mg/Kg		09/04/15 12:19	09/09/15 10:52	2
Selenium	ND		2.9	0.40	mg/Kg		09/04/15 12:19	09/09/15 10:52	2
Silver	ND		1.9	0.14	mg/Kg		09/04/15 12:19	09/09/15 10:52	2
Uranium	ND		97	5.5	mg/Kg		09/04/15 12:19	09/09/15 10:52	2
Vanadium	13		9.7	0.99	mg/Kg		09/04/15 12:19	09/09/15 10:52	2

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.672		0.198	0.210	1.00	0.205	pCi/g	08/20/15 10:48	09/10/15 08:00	1
Radium-228	0.778		0.223	0.237		0.324	pCi/g	08/20/15 10:48	09/10/15 08:00	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-13-12"

Lab Sample ID: 160-13372-29

Date Collected: 08/13/15 14:30

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.7		9.5	2.2	mg/Kg		09/04/15 12:19	09/08/15 18:01	10
Barium	39	J	47	1.0	mg/Kg		09/04/15 12:19	09/08/15 18:01	10
Cadmium	<del>NB</del>	U	4.7	0.32	mg/Kg		09/04/15 12:19	09/08/15 18:01	10
Chromium	7.9	J	9.5	1.3	mg/Kg		09/04/15 12:19	09/08/15 18:01	10
Lead	15		9.5	1.2	mg/Kg		09/04/15 12:19	09/08/15 18:01	10
Magnesium	1100	J	950	30	mg/Kg		09/04/15 12:19	09/08/15 18:01	10
Molybdenum	<del>NB</del>	U	38	1.5	mg/Kg		09/04/15 12:19	09/08/15 18:01	10
Selenium	<del>NB</del>	↓	14	2.0	mg/Kg		09/04/15 12:19	09/08/15 18:01	10
Silver	<del>NB</del>	↓	9.5	0.66	mg/Kg		09/04/15 12:19	09/08/15 18:01	10
Uranium	59	J, B	470	27	mg/Kg		09/04/15 12:19	09/08/15 18:01	10
Vanadium	12	J	47	4.8	mg/Kg		09/04/15 12:19	09/08/15 18:01	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.50		0.225	0.274	1.00	0.163	pCi/g	08/20/15 10:48	09/10/15 07:27	1
Radium-228	1.22		0.264	0.292		0.245	pCi/g	08/20/15 10:48	09/10/15 07:27	1

Client Sample ID: VH4-113-12"

Lab Sample ID: 160-13372-30

Date Collected: 08/13/15 14:31

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.8		8.4	2.0	mg/Kg		09/04/15 12:19	09/08/15 18:05	10
Barium	44		42	0.93	mg/Kg		09/04/15 12:19	09/08/15 18:05	10
Cadmium	<del>NB</del>	U	4.2	0.29	mg/Kg		09/04/15 12:19	09/08/15 18:05	10
Chromium	7.9	J	8.4	1.2	mg/Kg		09/04/15 12:19	09/08/15 18:05	10
Lead	14		8.4	1.1	mg/Kg		09/04/15 12:19	09/08/15 18:05	10
Magnesium	1000	J	840	27	mg/Kg		09/04/15 12:19	09/08/15 18:05	10
Molybdenum	<del>NB</del>	U	34	1.3	mg/Kg		09/04/15 12:19	09/08/15 18:05	10
Selenium	<del>NB</del>	↓	13	1.7	mg/Kg		09/04/15 12:19	09/08/15 18:05	10
Silver	<del>NB</del>	↓	8.4	0.59	mg/Kg		09/04/15 12:19	09/08/15 18:05	10
Uranium	54	J, B	420	24	mg/Kg		09/04/15 12:19	09/08/15 18:05	10
Vanadium	9.9	J	42	4.3	mg/Kg		09/04/15 12:19	09/08/15 18:05	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.26		0.190	0.231	1.00	0.143	pCi/g	08/20/15 10:48	09/10/15 07:29	1
Radium-228	0.884		0.233	0.249		0.164	pCi/g	08/20/15 10:48	09/10/15 07:29	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-14-8"

Lab Sample ID: 160-13372-31

Date Collected: 08/13/15 14:35

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7	J	1.9	0.45	mg/Kg		09/04/15 12:19	09/09/15 10:56	2
Barium	45		95	0.21	mg/Kg		09/04/15 12:19	09/09/15 10:56	2
Cadmium	ND	U	0.95	0.064	mg/Kg		09/04/15 12:19	09/09/15 10:56	2
Chromium	33		1.9	0.26	mg/Kg		09/04/15 12:19	09/10/15 11:22	2
Lead	9.3		1.9	0.24	mg/Kg		09/04/15 12:19	09/09/15 10:56	2
Magnesium	1000	J	190	6.0	mg/Kg		09/04/15 12:19	09/09/15 10:56	2
Molybdenum	0.32	J	7.6	0.29	mg/Kg		09/04/15 12:19	09/09/15 10:56	2
Selenium	ND	U	2.8	0.39	mg/Kg		09/04/15 12:19	09/09/15 10:56	2
Silver	ND		1.9	0.13	mg/Kg		09/04/15 12:19	09/09/15 10:56	2
Uranium	ND		95	5.4	mg/Kg		09/04/15 12:19	09/09/15 10:56	2
Vanadium	7.7	J	9.5	0.96	mg/Kg		09/04/15 12:19	09/09/15 10:56	2

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.822		0.188	0.207	1.00	0.181	pCi/g	08/20/15 10:48	09/10/15 08:39	1
Radium-228	1.25		0.246	0.277		0.0906	pCi/g	08/20/15 10:48	09/10/15 08:39	1

Client Sample ID: VH4-13-24"

Lab Sample ID: 160-13372-32

Date Collected: 08/13/15 14:54

Matrix: Solid

Date Received: 08/15/15 09:30

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		9.0	2.1	mg/Kg		09/04/15 12:19	09/08/15 18:14	10
Barium	65		45	0.99	mg/Kg		09/04/15 12:19	09/08/15 18:14	10
Cadmium	ND	U	4.5	0.31	mg/Kg		09/04/15 12:19	09/08/15 18:14	10
Chromium	19		9.0	1.2	mg/Kg		09/04/15 12:19	09/08/15 18:14	10
Lead	17		9.0	1.2	mg/Kg		09/04/15 12:19	09/08/15 18:14	10
Magnesium	1800	J	900	28	mg/Kg		09/04/15 12:19	09/08/15 18:14	10
Molybdenum	ND	U	36	1.4	mg/Kg		09/04/15 12:19	09/08/15 18:14	10
Selenium	ND		14	1.9	mg/Kg		09/04/15 12:19	09/08/15 18:14	10
Silver	ND		9.0	0.63	mg/Kg		09/04/15 12:19	09/08/15 18:14	10
Uranium	41	J B	450	25	mg/Kg		09/04/15 12:19	09/08/15 18:14	10
Vanadium	29	J	45	4.6	mg/Kg		09/04/15 12:19	09/08/15 18:14	10

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	2.12		0.309	0.380	1.00	0.248	pCi/g	08/20/15 10:48	09/10/15 09:20	1
Radium-228	1.92		0.379	0.426		0.272	pCi/g	08/20/15 10:48	09/10/15 09:20	1

TestAmerica St. Louis



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-05-18"

Lab Sample ID: 160-13372-33

Date Collected: 08/13/15 15:10

Matrix: Solid

Date Received: 08/15/15 09:30

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		9.4	2.2	mg/Kg		09/04/15 12:19	09/08/15 18:18	10
Barium	57		47	1.0	mg/Kg		09/04/15 12:19	09/08/15 18:18	10
Cadmium	ND	U	4.7	0.32	mg/Kg		09/04/15 12:19	09/08/15 18:18	10
Chromium	35		9.4	1.3	mg/Kg		09/04/15 12:19	09/08/15 18:18	10
Lead	18		9.4	1.2	mg/Kg		09/04/15 12:19	09/08/15 18:18	10
Magnesium	1000	J	940	30	mg/Kg		09/04/15 12:19	09/08/15 18:18	10
Molybdenum	ND	U	38	1.5	mg/Kg		09/04/15 12:19	09/08/15 18:18	10
Selenium	4.8	J	14	1.9	mg/Kg		09/04/15 12:19	09/08/15 18:18	10
Silver	ND	U	9.4	0.66	mg/Kg		09/04/15 12:19	09/08/15 18:18	10
Uranium	48	J	470	27	mg/Kg		09/04/15 12:19	09/08/15 18:18	10
Vanadium	15	J	47	4.8	mg/Kg		09/04/15 12:19	09/08/15 18:18	10

### Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	15.3		0.638	1.71	1.00	0.277	pCi/g	08/20/15 10:48	09/10/15 09:52	1
Radium-228	1.18		0.373	0.392		0.556	pCi/g	08/20/15 10:48	09/10/15 09:52	1

Client Sample ID: VH4-10-18"

Lab Sample ID: 160-13372-34

Date Collected: 08/13/15 15:15

Matrix: Solid

Date Received: 08/15/15 09:30

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.8	J	9.5	2.2	mg/Kg		09/04/15 12:19	09/08/15 18:34	10
Barium	72		47	1.0	mg/Kg		09/04/15 12:19	09/08/15 18:34	10
Cadmium	ND	U	4.7	0.32	mg/Kg		09/04/15 12:19	09/08/15 18:34	10
Chromium	9.1	J	9.5	1.3	mg/Kg		09/04/15 12:19	09/08/15 18:34	10
Lead	24		9.5	1.2	mg/Kg		09/04/15 12:19	09/08/15 18:34	10
Magnesium	1800	J	950	30	mg/Kg		09/04/15 12:19	09/08/15 18:34	10
Molybdenum	ND	U	38	1.5	mg/Kg		09/04/15 12:19	09/08/15 18:34	10
Selenium	ND	J	14	2.0	mg/Kg		09/04/15 12:19	09/08/15 18:34	10
Silver	ND	J	9.5	0.66	mg/Kg		09/04/15 12:19	09/08/15 18:34	10
Uranium	32	J	470	27	mg/Kg		09/04/15 12:19	09/08/15 18:34	10
Vanadium	16	J	47	4.8	mg/Kg		09/04/15 12:19	09/08/15 18:34	10

### Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.40		0.209	0.254	1.00	0.124	pCi/g	08/20/15 10:48	09/10/15 07:31	1
Radium-228	0.853		0.204	0.222		0.108	pCi/g	08/20/15 10:48	09/10/15 07:31	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-13372-1

Client Sample ID: VH4-06-21"

Lab Sample ID: 160-13372-35

Date Collected: 08/13/15 15:20

Matrix: Solid

Date Received: 08/15/15 09:30

### Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.2		1.7	0.40	mg/Kg		09/04/15 12:19	09/09/15 11:00	2
Barium	45		8.6	0.19	mg/Kg		09/04/15 12:19	09/09/15 11:00	2
Cadmium	ND	U	0.86	0.058	mg/Kg		09/04/15 12:19	09/09/15 11:00	2
Chromium	15		1.7	0.24	mg/Kg		09/04/15 12:19	09/10/15 11:26	2
Lead	12		1.7	0.22	mg/Kg		09/04/15 12:19	09/09/15 11:00	2
Magnesium	960	J	170	5.4	mg/Kg		09/04/15 12:19	09/09/15 11:00	2
Molybdenum	0.84	J	6.9	0.27	mg/Kg		09/04/15 12:19	09/09/15 11:00	2
Selenium	7.5	B	2.6	0.35	mg/Kg		09/04/15 12:19	09/09/15 11:00	2
Silver	ND	U	1.7	0.12	mg/Kg		09/04/15 12:19	09/09/15 11:00	2
Uranium	46	J-B	86	4.8	mg/Kg		09/04/15 12:19	09/09/15 11:00	2
Vanadium	16		8.6	0.87	mg/Kg		09/04/15 12:19	09/09/15 11:00	2

### Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	25.5		0.862	2.78	1.00	0.372	pCi/g	08/20/15 10:48	09/10/15 10:23	1
Radium-228	1.59		0.510	0.535		0.637	pCi/g	08/20/15 10:48	09/10/15 10:23	1

TestAmerica St. Louis

**QUIVIRA TECHNICAL SUPPORT SITE  
 NAVAJO NATION, MCKINLEY COUNTY, NEW MEXICO  
 DATA VALIDATION REPORT**

**Date:** January 29, 2016

**Laboratory:** TestAmerica Laboratories, Inc., St Louis, MO

**Laboratory Work Order #:** 160-15334-1

**Data Validation Performed By:** Mindy Song, Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START)

**Weston Work Order #:** 20409.012.015.0036.00

**TDD #:** 0015/1302-T15-R9-14-12-0001

This data validation report has been prepared by WESTON START under the START IV Region 9 contract. This report documents the data validation for forty one soil samples collected for the Quivira Technical Support Site that were analyzed for the following parameters and methods.

- Radium-226 by Gamma Spectroscopy, DOE HASL 300, 4.5.2.3/GA-01-R

A level II data package was received from TestAmerica Laboratories Inc. A Stage 2A data validation was performed and was conducted in general accordance with "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use", dated January 13, 2009 and the EPA "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated August 2014. The Attachment contains the results summary sheets with any hand-written qualifiers applied during data validation.

**RADIUM-226 BY GAMMA SPECTRSCOPY, DOE HASL 300.4.5.2.3/GA-01R**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
VH2-112	160-15334-1	Soil	12/07/2015	1/06/2016
VH2-114	160-15334-2	Soil	12/07/2015	1/06/2016
VH2-115	160-15334-3	Soil	12/07/2015	1/06/2016
VH2-119	160-15334-4	Soil	12/07/2015	1/06/2016
VH2-117	160-15334-5	Soil	12/07/2015	1/06/2016
VH2-122	160-15334-6	Soil	12/07/2015	1/06/2016
VH2-123	160-15334-7	Soil	12/07/2015	1/06/2016
VH2-126	160-15334-8	Soil	12/07/2015	1/06/2016
VH2-128	160-15334-9	Soil	12/07/2015	1/06/2016
VH2-115-24"	160-15334-10	Soil	12/08/2015	1/06/2016
VH2-114-10"	160-15334-11	Soil	12/08/2015	1/06/2016

Data Validation Report  
 Quivira Technical Support  
 TestAmerica Laboratories, Inc.  
 Laboratory Project #: 160-15334-1

<b>Samples</b>	<b>Lab Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
VH2-117-2"	160-15334-12	Soil	12/08/2015	1/06/2016
VH2-112-18"	160-15334-13	Soil	12/08/2015	1/06/2016
VH2-122-10"	160-15334-14	Soil	12/08/2015	1/06/2016
VH2-1123-12"	160-15334-15	Soil	12/08/2015	1/06/2016
VH2-123-12"	160-15334-16	Soil	12/08/2015	1/06/2016
VH2-119-12"	160-15334-17	Soil	12/08/2015	1/06/2016
VH2-126-6"	160-15334-18	Soil	12/08/2015	1/06/2016
VH2-128-12"	160-15334-19	Soil	12/08/2015	1/06/2016
VH2-1128-12"	160-15334-20	Soil	12/08/2015	1/06/2016
VH2-28	160-15334-21	Soil	12/08/2015	1/06/2016
VH2-28-12"	160-15334-22	Soil	12/08/2015	1/06/2016
VH2-50	160-15334-23	Soil	12/08/2015	1/06/2016
VH2-50-12"	160-15334-24	Soil	12/08/2015	1/06/2016
VH2-78	160-15334-25	Soil	12/08/2015	1/06/2016
VH2-78-12"	160-15334-26	Soil	12/08/2015	1/06/2016
VH2-67	160-15334-27	Soil	12/08/2015	1/06/2016
VH2-67-12"	160-15334-28	Soil	12/08/2015	1/06/2016
VH2-167-12"	160-15334-29	Soil	12/08/2015	1/06/2016
VH2-80	160-15334-30	Soil	12/08/2015	1/06/2016
VH2-80-12"	160-15334-31	Soil	12/08/2015	1/06/2016
VH2-90	160-15334-32	Soil	12/08/2015	1/06/2016
VH2-90-12"	160-15334-33	Soil	12/08/2015	1/06/2016
VH2-97	160-15334-34	Soil	12/08/2015	1/06/2016
VH2-97-8"	160-15334-35	Soil	12/08/2015	1/06/2016
VH2-101	160-15334-36	Soil	12/08/2015	1/06/2016
VH2-101-8"	160-15334-37	Soil	12/08/2015	1/06/2016
VH2-95	160-15334-38	Soil	12/08/2015	1/06/2016
VH2-95-12"	160-15334-39	Soil	12/08/2015	1/06/2016
CS-1	160-15334-40	Soil	12/08/2015	1/06/2016
CS-2	160-15334-41	Soil	12/08/2015	1/06/2016

1. **Data Verification Check**

A data verification and completeness check was performed in accordance with the Stage 1 and 2A verification checks outlined in the EPA "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use" dated January 13, 2009. For the radium-226 analyses, all analytical data package items were received from the laboratory.

2. **Holding Times**

The samples were analyzed within the required holding time limit of 6 months from sample collection.

3. **Blanks**

Method blanks were analyzed with the radium analyses and contained no detections of target analytes above the reporting limits.

4. **Laboratory Control Sample (LCS) Results**

The LCS recoveries were within laboratory quality control (QC) limits.

5. **Laboratory Duplicate Results**

The relative error ratios and relative percent differences (RPD) were below QC limits.

6. **Field Duplicate Results**

There are three field duplicates associated with this work order. The RPDs were calculated and ranged from 16 to 31 percent for Ra-226 and from 8 to 39 percent for Ra-228. Both RPDs were acceptable.

7. **Overall Assessment**

Insufficient volume of samples were provided for the following samples to fill a small metal can calibrated for Ra-226 analysis by gamma spectroscopy: VH2-115-24", VH2-114-10", VH2-117-2", VH2-122-10", VH2-1123-12", VH2-123-12", VH2-119-12", and VH2-126-6". The use of a different geometry could potentially bias the results low due to the loss of radon into the headspace of the container.

The radium data are acceptable for use based on the information received.

Data Validation Report  
Quivira Technical Support  
TestAmerica Laboratories, Inc.  
Laboratory Project #: 160-15334-1

**ATTACHMENT**

**TESTAMERICA LABORATORIES, INC.  
RESULTS SUMMARY**

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15334-1

**Client Sample ID: VH2-112**

**Lab Sample ID: 160-15334-1**

Date Collected: 12/07/15 15:35

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.79		0.264	0.323	1.00	0.226	pCi/g	12/16/15 05:50	01/06/16 10:03	1
Radium-228	2.11		0.374	0.431		0.181	pCi/g	12/16/15 05:50	01/06/16 10:03	1

**Client Sample ID: VH2-114**

**Lab Sample ID: 160-15334-2**

Date Collected: 12/07/15 15:40

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.38		0.202	0.247	1.00	0.145	pCi/g	12/16/15 05:50	01/06/16 10:42	1
Radium-228	1.61		0.294	0.337		0.161	pCi/g	12/16/15 05:50	01/06/16 10:42	1

**Client Sample ID: VH2-115**

**Lab Sample ID: 160-15334-3**

Date Collected: 12/07/15 15:45

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.34		0.218	0.259	1.00	0.164	pCi/g	12/16/15 05:50	01/06/16 10:43	1
Radium-228	1.43		0.282	0.318		0.271	pCi/g	12/16/15 05:50	01/06/16 10:43	1

**Client Sample ID: VH2-119**

**Lab Sample ID: 160-15334-4**

Date Collected: 12/07/15 15:50

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.85		0.311	0.366	1.00	0.241	pCi/g	12/16/15 05:50	01/06/16 10:45	1
Radium-228	2.53		0.436	0.506		0.280	pCi/g	12/16/15 05:50	01/06/16 10:45	1

**Client Sample ID: VH2-117**

**Lab Sample ID: 160-15334-5**

Date Collected: 12/07/15 15:55

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.80		0.247	0.310	1.00	0.183	pCi/g	12/16/15 05:50	01/06/16 10:45	1
Radium-228	1.78		0.275	0.330		0.239	pCi/g	12/16/15 05:50	01/06/16 10:45	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15334-1

**Client Sample ID: VH2-122**

**Lab Sample ID: 160-15334-6**

Date Collected: 12/07/15 16:00

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	3.82		0.326	0.514	1.00	0.195	pCi/g	12/16/15 05:50	01/06/16 11:22	1
Radium-228	4.37		0.382	0.587		0.276	pCi/g	12/16/15 05:50	01/06/16 11:22	1

**Client Sample ID: VH2-123**

**Lab Sample ID: 160-15334-7**

Date Collected: 12/07/15 16:05

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.86		0.253	0.318	1.00	0.171	pCi/g	12/16/15 05:50	01/06/16 11:22	1
Radium-228	2.12		0.371	0.429		0.326	pCi/g	12/16/15 05:50	01/06/16 11:22	1

**Client Sample ID: VH2-126**

**Lab Sample ID: 160-15334-8**

Date Collected: 12/07/15 16:10

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.88		0.296	0.355	1.00	0.204	pCi/g	12/16/15 05:50	01/06/16 11:26	1
Radium-228	1.85		0.347	0.395		0.369	pCi/g	12/16/15 05:50	01/06/16 11:26	1

**Client Sample ID: VH2-128**

**Lab Sample ID: 160-15334-9**

Date Collected: 12/07/15 16:15

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	2.12		0.366	0.427	1.00	0.298	pCi/g	12/16/15 05:50	01/06/16 11:24	1
Radium-228	3.57		0.543	0.653		0.311	pCi/g	12/16/15 05:50	01/06/16 11:24	1

**Client Sample ID: VH2-115-27"**

**Lab Sample ID: 160-15334-10**

Date Collected: 12/08/15 09:20 *24 (MS)*

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.34		0.214	0.255	1.00	0.213	pCi/g	12/16/15 05:50	01/06/16 12:47	1
Radium-228	2.12		0.322	0.387		0.145	pCi/g	12/16/15 05:50	01/06/16 12:47	1

TestAmerica St. Louis



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15334-1

**Client Sample ID: VH2-114-10"**

**Lab Sample ID: 160-15334-11**

Date Collected: 12/08/15 09:25

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.59		0.260	0.309	1.00	0.249	pCi/g	12/16/15 05:50	01/06/16 14:00	1
Radium-228	2.48		0.402	0.475		0.223	pCi/g	12/16/15 05:50	01/06/16 14:00	1

**Client Sample ID: VH2-117-2"**

**Lab Sample ID: 160-15334-12**

Date Collected: 12/08/15 09:32

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.70		0.271	0.323	1.00	0.233	pCi/g	12/16/15 05:50	01/06/16 11:25	1
Radium-228	2.00		0.325	0.384		0.170	pCi/g	12/16/15 05:50	01/06/16 11:25	1

**Client Sample ID: VH2-112-18"**

**Lab Sample ID: 160-15334-13**

Date Collected: 12/08/15 09:35

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	2.38		0.307	0.395	1.00	0.195	pCi/g	12/16/15 05:50	01/06/16 11:59	1
Radium-228	2.31		0.392	0.458		0.199	pCi/g	12/16/15 05:50	01/06/16 11:59	1

**Client Sample ID: VH2-122-10"**

**Lab Sample ID: 160-15334-14**

Date Collected: 12/08/15 09:40

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.878		0.186	0.207	1.00	0.181	pCi/g	12/16/15 05:50	01/06/16 13:56	1
Radium-228	1.55		0.298	0.337		0.270	pCi/g	12/16/15 05:50	01/06/16 13:56	1

**Client Sample ID: VH2-1123-12"**

**Lab Sample ID: 160-15334-15**

Date Collected: 12/08/15 09:45

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.675		0.157	0.172	1.00	0.196	pCi/g	12/16/15 05:50	01/06/16 15:07	1
Radium-228	1.67		0.248	0.301		0.203	pCi/g	12/16/15 05:50	01/06/16 15:07	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15334-1

**Client Sample ID: VH2-123-12"**

**Lab Sample ID: 160-15334-16**

Date Collected: 12/08/15 09:45

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.925		0.182	0.206	1.00	0.161	pCi/g	12/16/15 05:50	01/06/16 15:04	1
Radium-228	1.51		0.308	0.344		0.164	pCi/g	12/16/15 05:50	01/06/16 15:04	1

**Client Sample ID: VH2-119-12"**

**Lab Sample ID: 160-15334-17**

Date Collected: 12/08/15 09:50

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	2.01		0.312	0.375	1.00	0.287	pCi/g	12/16/15 05:50	01/06/16 16:22	1
Radium-228	3.10		0.389	0.502		0.284	pCi/g	12/16/15 05:50	01/06/16 16:22	1

**Client Sample ID: VH2-126-6"**

**Lab Sample ID: 160-15334-18**

Date Collected: 12/08/15 09:55

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	2.21		0.293	0.372	1.00	0.227	pCi/g	12/16/15 05:50	01/06/16 16:19	1
Radium-228	2.63		0.301	0.403		0.172	pCi/g	12/16/15 05:50	01/06/16 16:19	1

**Client Sample ID: VH2-128-12"**

**Lab Sample ID: 160-15334-19**

Date Collected: 12/08/15 10:00

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	3.54		0.466	0.594	1.00	0.341	pCi/g	12/16/15 05:50	01/06/16 11:59	1
Radium-228	6.50		0.710	0.972		0.451	pCi/g	12/16/15 05:50	01/06/16 11:59	1

**Client Sample ID: VH2-1128-12"**

**Lab Sample ID: 160-15334-20**

Date Collected: 12/08/15 10:00

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	4.17		0.552	0.702	1.00	0.393	pCi/g	12/16/15 05:50	01/06/16 12:04	1
Radium-228	7.04		0.791	1.07		0.317	pCi/g	12/16/15 05:50	01/06/16 12:04	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15334-1

**Client Sample ID: VH2-28**

**Lab Sample ID: 160-15334-21**

Date Collected: 12/08/15 11:25

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.47		0.221	0.269	1.00	0.140	pCi/g	12/16/15 07:30	01/06/16 12:35	1
Radium-228	0.977		0.217	0.239		0.255	pCi/g	12/16/15 07:30	01/06/16 12:35	1

**Client Sample ID: VH2-28-12"**

**Lab Sample ID: 160-15334-22**

Date Collected: 12/08/15 11:35

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.92		0.348	0.401	1.00	0.273	pCi/g	12/16/15 07:30	01/06/16 12:40	1
Radium-228	0.825		0.374	0.384		0.498	pCi/g	12/16/15 07:30	01/06/16 12:40	1

**Client Sample ID: VH2-50**

**Lab Sample ID: 160-15334-23**

Date Collected: 12/08/15 11:40

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.38		0.290	0.323	1.00	0.267	pCi/g	12/16/15 07:30	01/06/16 12:38	1
Radium-228	1.61		0.357	0.393		0.301	pCi/g	12/16/15 07:30	01/06/16 12:38	1

**Client Sample ID: VH2-50-12"**

**Lab Sample ID: 160-15334-24**

Date Collected: 12/08/15 11:45

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.981		0.214	0.237	1.00	0.197	pCi/g	12/16/15 07:30	01/06/16 13:07	1
Radium-228	1.38		0.268	0.302		0.384	pCi/g	12/16/15 07:30	01/06/16 13:07	1

**Client Sample ID: VH2-78**

**Lab Sample ID: 160-15334-25**

Date Collected: 12/08/15 11:50

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.27		0.271	0.301	1.00	0.220	pCi/g	12/16/15 07:30	01/06/16 13:13	1
Radium-228	1.82		0.282	0.337		0.266	pCi/g	12/16/15 07:30	01/06/16 13:13	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15334-1

**Client Sample ID: VH2-78-12"**

**Lab Sample ID: 160-15334-26**

Date Collected: 12/08/15 11:55

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.42		0.335	0.366	1.00	0.307	pCi/g	12/16/15 07:30	01/06/16 13:16	1
Radium-228	1.30		0.348	0.373		0.542	pCi/g	12/16/15 07:30	01/06/16 13:16	1

**Client Sample ID: VH2-67**

**Lab Sample ID: 160-15334-27**

Date Collected: 12/08/15 12:00

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.05		0.242	0.266	1.00	0.221	pCi/g	12/16/15 07:30	01/06/16 13:59	1
Radium-228	1.00		0.278	0.296		0.440	pCi/g	12/16/15 07:30	01/06/16 13:59	1

**Client Sample ID: VH2-67-12"**

**Lab Sample ID: 160-15334-28**

Date Collected: 12/08/15 12:05

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.20		0.231	0.263	1.00	0.177	pCi/g	12/16/15 07:30	01/06/16 14:00	1
Radium-228	1.55		0.326	0.363		0.277	pCi/g	12/16/15 07:30	01/06/16 14:00	1

**Client Sample ID: VH2-167-12"**

**Lab Sample ID: 160-15334-29**

Date Collected: 12/08/15 12:05

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.43		0.229	0.273	1.00	0.161	pCi/g	12/16/15 07:30	01/06/16 13:56	1
Radium-228	1.04		0.300	0.319		0.255	pCi/g	12/16/15 07:30	01/06/16 13:56	1

**Client Sample ID: VH2-80**

**Lab Sample ID: 160-15334-30**

Date Collected: 12/08/15 12:40

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	DII Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.35		0.253	0.289	1.00	0.197	pCi/g	12/16/15 07:30	01/06/16 13:57	1
Radium-228	1.52		0.324	0.359		0.257	pCi/g	12/16/15 07:30	01/06/16 13:57	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15334-1

**Client Sample ID: VH2-80-12"**

**Lab Sample ID: 160-15334-31**

Date Collected: 12/08/15 12:45

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.42		0.316	0.349	1.00	0.289	pCi/g	12/16/15 07:30	01/06/16 14:32	1
Radium-228	1.96		0.412	0.458		0.306	pCi/g	12/16/15 07:30	01/06/16 14:32	1

**Client Sample ID: VH2-90**

**Lab Sample ID: 160-15334-32**

Date Collected: 12/08/15 12:50

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.05		0.206	0.233	1.00	0.157	pCi/g	12/16/15 07:30	01/06/16 14:33	1
Radium-228	1.45		0.301	0.336		0.136	pCi/g	12/16/15 07:30	01/06/16 14:33	1

**Client Sample ID: VH2-90-12"**

**Lab Sample ID: 160-15334-33**

Date Collected: 12/08/15 12:55

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.20		0.199	0.235	1.00	0.138	pCi/g	12/16/15 07:30	01/06/16 14:29	1
Radium-228	1.38		0.260	0.296		0.167	pCi/g	12/16/15 07:30	01/06/16 14:29	1

**Client Sample ID: VH2-97**

**Lab Sample ID: 160-15334-34**

Date Collected: 12/08/15 13:00

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.40		0.240	0.280	1.00	0.188	pCi/g	12/16/15 07:30	01/06/16 14:30	1
Radium-228	1.50		0.277	0.317		0.322	pCi/g	12/16/15 07:30	01/06/16 14:30	1

**Client Sample ID: VH2-97-8"**

**Lab Sample ID: 160-15334-35**

Date Collected: 12/08/15 13:05

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.976		0.254	0.274	1.00	0.251	pCi/g	12/16/15 07:30	01/06/16 15:07	1
Radium-228	0.891		0.350	0.362		0.397	pCi/g	12/16/15 07:30	01/06/16 15:07	1

TestAmerica St. Louis

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15334-1

**Client Sample ID: VH2-101**

**Lab Sample ID: 160-15334-36**

Date Collected: 12/08/15 13:10

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)										
Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.24		0.218	0.253	1.00	0.154	pCi/g	12/16/15 07:30	01/06/16 15:08	1
Radium-228	0.974		0.378	0.391		0.372	pCi/g	12/16/15 07:30	01/06/16 15:08	1

**Client Sample ID: VH2-101-8"**

**Lab Sample ID: 160-15334-37**

Date Collected: 12/08/15 13:15

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)										
Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.28		0.195	0.236	1.00	0.141	pCi/g	12/16/15 07:30	01/06/16 15:04	1
Radium-228	1.55		0.234	0.283		0.168	pCi/g	12/16/15 07:30	01/06/16 15:04	1

**Client Sample ID: VH2-95**

**Lab Sample ID: 160-15334-38**

Date Collected: 12/08/15 13:20

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)										
Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.54		0.257	0.302	1.00	0.196	pCi/g	12/16/15 07:30	01/06/16 15:06	1
Radium-228	1.44		0.273	0.310		0.297	pCi/g	12/16/15 07:30	01/06/16 15:06	1

**Client Sample ID: VH2-95-12"**

**Lab Sample ID: 160-15334-39**

Date Collected: 12/08/15 13:25

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)										
Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	1.46		0.232	0.277	1.00	0.179	pCi/g	12/16/15 07:30	01/06/16 15:37	1
Radium-228	1.89		0.399	0.443		0.312	pCi/g	12/16/15 07:30	01/06/16 15:37	1

**Client Sample ID: CS-1**

**Lab Sample ID: 160-15334-40**

Date Collected: 12/08/15 15:33

Matrix: Solid

Date Received: 12/11/15 09:40

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)										
Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.926		0.178	0.202	1.00	0.130	pCi/g	12/16/15 07:30	01/06/16 15:38	1
Radium-228	0.860		0.232	0.248		0.195	pCi/g	12/16/15 07:30	01/06/16 15:38	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15334-1

**Client Sample ID: CS-2**

**Lab Sample ID: 160-15334-41**

Date Collected: 12/08/15 16:49

Matrix: Solid

Date Received: 12/11/15 09:40

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.797		0.171	0.190	1.00	0.149	pCi/g	12/16/15 08:29	01/06/16 16:20	1
Radium-228	0.975		0.213	0.235		0.0856	pCi/g	12/16/15 08:29	01/06/16 16:20	1



**QUIVIRA TECHNICAL SUPPORT SITE  
NAVAJO NATION, MCKINLEY COUNTY, NEW MEXICO  
DATA VALIDATION REPORT**

**Date:** January 29, 2016

**Laboratory:** TestAmerica Laboratories, Inc., St Louis, MO

**Laboratory Work Order #:** 160-15357-1

**Data Validation Performed By:** Mindy Song, Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START)

**Weston Work Order #:** 20409.012.015.0036.00

**TDD #:** 0015/1302-T15-R9-14-12-0001

This data validation report has been prepared by WESTON START under the START IV Region 9 contract. This report documents the data validation for eight soil samples collected for the Quivira Technical Support Site that were analyzed for the following parameters and methods.

- Radium-226 by Gamma Spectroscopy, DOE HASL 300, 4.5.2.3/GA-01-R

A level II data package was received from TestAmerica Laboratories Inc. A Stage 2A data validation was performed and was conducted in general accordance with "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use", dated January 13, 2009 and the EPA "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated August 2014. The Attachment contains the results summary sheets with any hand-written qualifiers applied during data validation.

**RADIUM-226 BY GAMMA SPECTRSCOPY, DOE HASL 300.4.5.2.3/GA-01R**

The following table summarizes the samples for which this data validation is being conducted.

<b>Samples</b>	<b>Lab Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
CS-3	160-15357-1	Soil	12/09/2015	1/06/2016
CS-4	160-15357-2	Soil	12/09/2015	1/06/2016
CS-5	160-15357-3	Soil	12/09/2015	1/06/2016
CS-6	160-15357-4	Soil	12/09/2015	1/06/2016
CS-7	160-15357-5	Soil	12/10/2015	1/06/2016
CS-8	160-15357-6	Soil	12/10/2015	1/06/2016
CS-9	160-15357-7	Soil	12/10/2015	1/06/2016
CS-10	160-15357-8	Soil	12/10/2015	1/06/2016



1. **Data Verification Check**

A data verification and completeness check was performed in accordance with the Stage 1 and 2A verification checks outlined in the EPA "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use" dated January 13, 2009. For the radium-226 analyses, all analytical data package items were received from the laboratory.

2. **Holding Times**

The samples were analyzed within the required holding time limit of 6 months from sample collection.

3. **Blanks**

Method blanks were analyzed with the radium analyses and contained no detections of target analytes above the reporting limits.

4. **Laboratory Control Sample (LCS) Results**

The LCS recoveries were within laboratory quality control (QC) limits.

5. **Laboratory Duplicate Results**

The laboratory duplicate was not analyzed.

6. **Field Duplicate Results**

There are no duplicates associated with this work order.

7. **Overall Assessment**

The radium data are acceptable for use based on the information received.

Data Validation Report  
Quivira Technical Support  
TestAmerica Laboratories, Inc.  
Laboratory Project #: 160-15357-1

**ATTACHMENT**

**TESTAMERICA LABORATORIES, INC.  
RESULTS SUMMARY**

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15357-1

**Client Sample ID: CS-3**

Date Collected: 12/09/15 14:45

Date Received: 12/14/15 09:25

**Lab Sample ID: 160-15357-1**

Matrix: Solid

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	3.63		0.345	0.512	1.00	0.188	pCi/g	12/16/15 08:29	01/06/16 08:50	1
Radium-228	1.01		0.327	0.343		0.433	pCi/g	12/16/15 08:29	01/06/16 08:50	1

**Client Sample ID: CS-4**

Date Collected: 12/09/15 12:36

Date Received: 12/14/15 09:25

**Lab Sample ID: 160-15357-2**

Matrix: Solid

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	2.78		0.381	0.478	1.00	0.275	pCi/g	12/16/15 08:29	01/06/16 08:49	1
Radium-228	1.55		0.422	0.451		0.273	pCi/g	12/16/15 08:29	01/06/16 08:49	1

**Client Sample ID: CS-5**

Date Collected: 12/09/15 15:13

Date Received: 12/14/15 09:25

**Lab Sample ID: 160-15357-3**

Matrix: Solid

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.48		0.223	0.271	1.00	0.161	pCi/g	12/16/15 08:29	01/06/16 09:21	1
Radium-228	1.58		0.270	0.314		0.0859	pCi/g	12/16/15 08:29	01/06/16 09:21	1

**Client Sample ID: CS-6**

Date Collected: 12/09/15 11:30

Date Received: 12/14/15 09:25

**Lab Sample ID: 160-15357-4**

Matrix: Solid

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	6.84		0.489	0.863	1.00	0.258	pCi/g	12/16/15 08:29	01/06/16 09:21	1
Radium-228	1.16		0.340	0.360		0.368	pCi/g	12/16/15 08:29	01/06/16 09:21	1

**Client Sample ID: CS-7**

Date Collected: 12/10/15 12:26

Date Received: 12/14/15 09:25

**Lab Sample ID: 160-15357-5**

Matrix: Solid

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	1.71		0.269	0.322	1.00	0.189	pCi/g	12/16/15 08:29	01/06/16 09:26	1
Radium-228	2.98		0.439	0.534		0.312	pCi/g	12/16/15 08:29	01/06/16 09:26	1

TestAmerica St. Louis

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Quivira

TestAmerica Job ID: 160-15357-1

**Client Sample ID: CS-8**

**Lab Sample ID: 160-15357-6**

Date Collected: 12/10/15 14:38

Matrix: Solid

Date Received: 12/14/15 09:25

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	2.27		0.328	0.405	1.00	0.258	pCi/g	12/16/15 08:29	01/06/16 09:25	1
Radium-228	3.63		0.385	0.534		0.226	pCi/g	12/16/15 08:29	01/06/16 09:25	1

**Client Sample ID: CS-9**

**Lab Sample ID: 160-15357-7**

Date Collected: 12/10/15 10:59

Matrix: Solid

Date Received: 12/14/15 09:25

**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	2.44		0.289	0.385	1.00	0.190	pCi/g	12/16/15 08:29	01/06/16 09:59	1
Radium-228	3.82		0.433	0.582		0.167	pCi/g	12/16/15 08:29	01/06/16 09:59	1

**Client Sample ID: CS-10**

**Lab Sample ID: 160-15357-8**

Date Collected: 12/10/15 13:31

Matrix: Solid

Date Received: 12/14/15 09:25

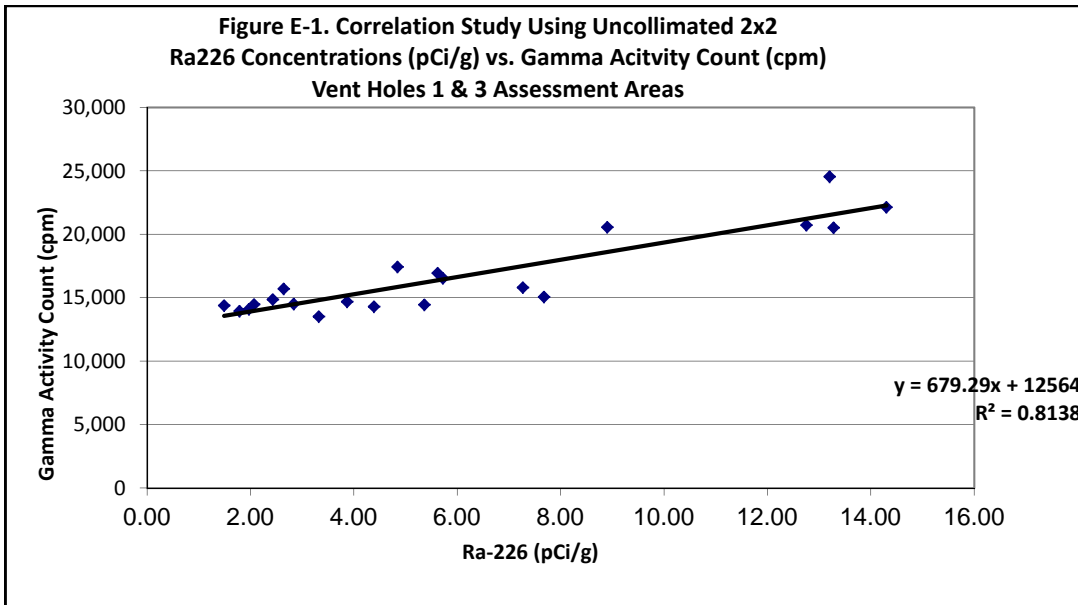
**Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	2.99		0.351	0.468	1.00	0.248	pCi/g	12/16/15 08:29	01/06/16 09:58	1
Radium-228	5.50		0.494	0.747		0.318	pCi/g	12/16/15 08:29	01/06/16 09:58	1

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**APPENDIX E**  
**RA-226 CORRELATION GRAPHS**

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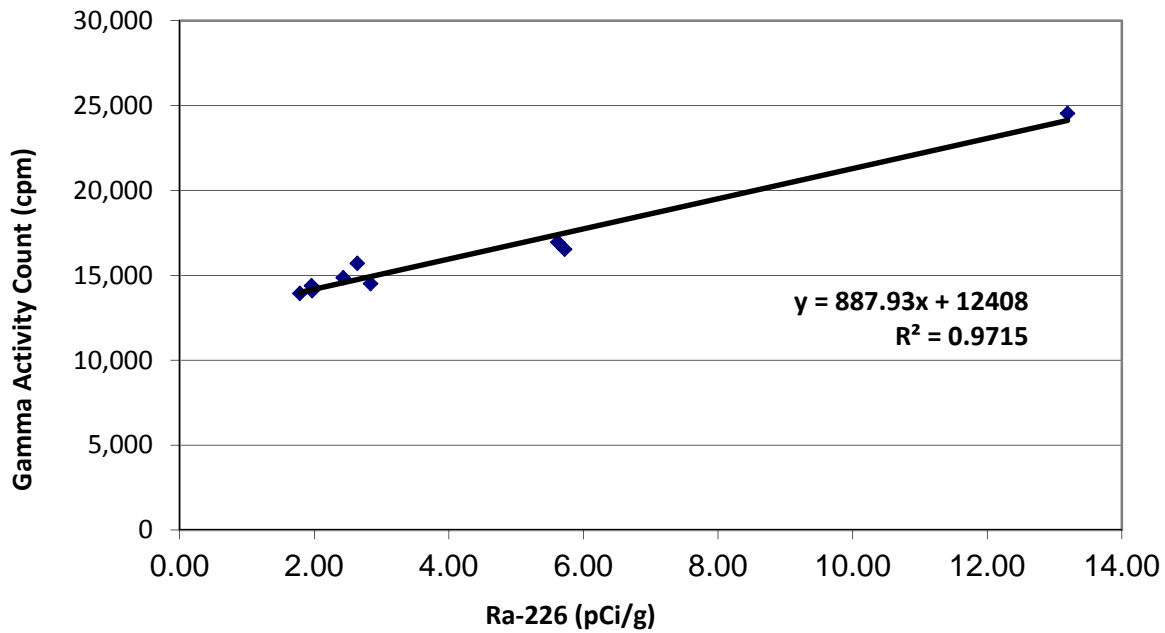
**Table E1. Correlation Data Used at Vent Holes 1 and 3 for Uncollimated 2x2 Gamma Scan Data**

Sample ID	Radium 226 (pCi/g)	Associated Gamma Activity Count (cpm)
VH2-01-A	14.30	22,135
VH2-02-A	13.20	24,546
VH2-03-A	5.62	16,952
VH2-04-A	5.72	16,538
VH2-07-A	2.43	14,863
VH2-08-A	2.64	15,706
VH2-09-A	2.84	14,514
VH2-10-A	1.49	14,389
VH2-13-A	1.97	14,101
VH2-14-A	1.79	13,940
VH3-01-A	3.32	13,511
VH3-02-A	3.87	14,690
VH3-03-A	5.36	14,449
VH3-04-A	2.07	14,471
VH3-05-A	4.84	17,433
VH3-06-A	7.67	15,064
VH3-07-A	13.28	20,520
VH3-09-A	12.75	20,730
VH3-11-A	4.39	14,298
VH3-12-A	8.90	20,567
VH3-14-A	7.27	15,809

Notes: This correlation was used at Vent Holes 1 and 3 for data collected using an uncollimated Ludlum Model 44-10 (2x2) NaI Detector. It was used to estimate Ra-226 concentrations in surface soils at those locations (See Figures 2 and 6).

pCi/g=picocuries per gram, cpm = counts per minute

**Figure E-2. Vent Hole 2 Correlation No. 1 Using Uncollimated 2x2 Ra226 Concentrations (pCi/g) vs. Gamma Activity Count (cpm)**



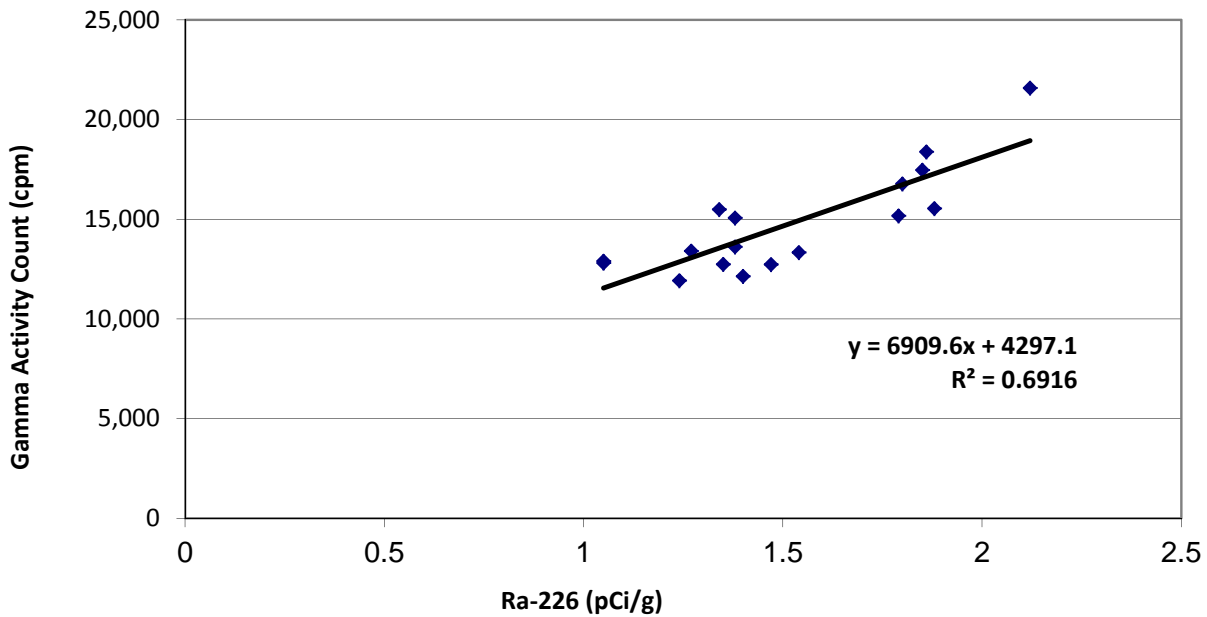
**Table E-2. Vent Hole 2, Correlation No. 1 Data**

Sample ID	Radium 226 (pCi/g)	Associated Gamma Activity Count
VH2-14-A	1.79	13,940
VH2-13-A	1.97	14,101
VH2-110-A	1.96	14,389
VH2-09-A	2.84	14,514
VH2-07-A	2.43	14,863
VH2-08-A	2.64	15,706
VH2-04-A	5.72	16,538
VH2-03-A	5.62	16,952
VH2-02-A	13.19	24,546

Notes: See Figures 3 and 4. This correlation was used at Vent Holes 2 for data collected using an uncollimated Ludlum Model 44-10 (2x2) NaI Detector. It was used to estimate Ra-226 concentrations in surface soils within approximately 200 feet of Vent Hole 2.

pCi/g=picocuries per gram, cpm = counts per minute

**Figure E-3. Vent Hole 2 Correlation No. 2 Using Uncollimated 2x2 Ra226 Concentrations (pCi/g) vs. Gamma Activity Count (cpm)**



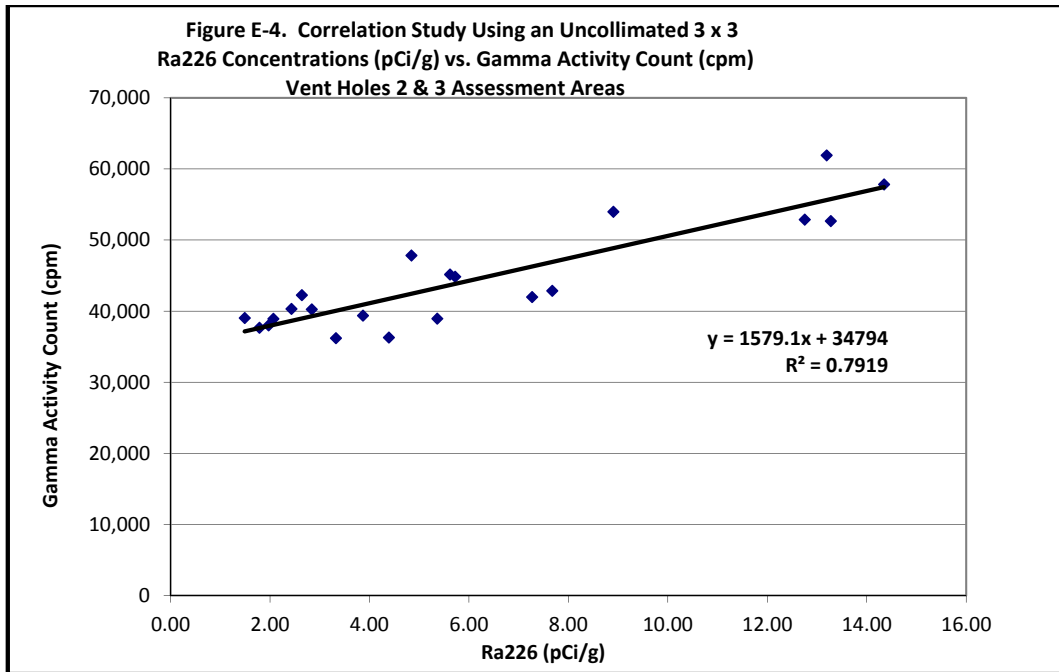
**Table E-3. Vent Hole 2, Correlation No. 2 Data**

Sample ID	Radium 226 (pCi/g)	Associated Gamma Activity Count
VH2-67	1.05	12,808
VH2-90	1.05	12,906
VH2-101	1.24	11,927
VH2-78	1.27	13,407
VH2-115	1.34	15,492
VH2-80	1.35	12,739
VH2-50	1.38	13,620
VH2-114	1.38	15,067
VH2-97	1.40	12,142
VH2-28	1.47	12,735
VH2-95	1.54	13,333
VH2-112	1.79	15,173
VH2-117	1.80	16,781
VH2-119	1.85	17,472
VH2-123	1.86	18,381
VH2-126	1.88	15,539
VH2-128	<b>2.12</b>	21,589

Notes: See Figures 3 and 5. This correlation was used at Vent Holes 2 for data collected using an uncollimated Ludlum Model 44-10 (2x2) NaI Detector. It was used to estimate Ra-226 activity concentrations in surface soils more than 200 feet away from Vent Hole 2.

pCi/g=picocuries per gram, cpm = counts per minute



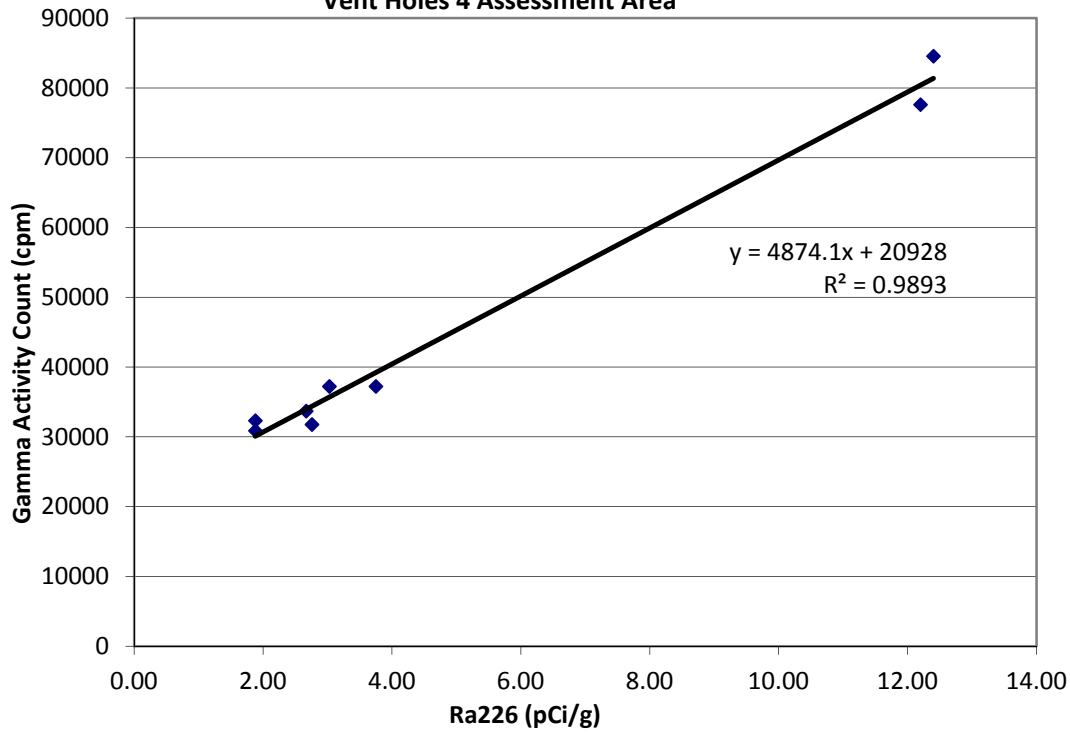


**Table E-4. Data for Uncollimated Ludlum Model 44-20 (3x3) Correlation at Vent Hole 3.**

Sample ID	Radium 226 (pCi/g)	Gamma Activity Count (cpm)
VH2-10-A	1.49	39,047
VH2-14-A	1.79	37,659
VH2-13-A	1.97	37,996
VH3-04-A	2.07	38,920
VH2-07-A	2.43	40,312
VH2-08-A	2.64	42,248
VH2-09-A	2.84	40,256
VH3-01-A	3.32	36,206
VH3-02-A	3.87	39,385
VH3-11-A	4.39	36,283
VH3-05-A	4.84	47,841
VH3-03-A	5.36	38,938
VH2-03-A	5.62	45,162
VH2-04-A	5.72	44,847
VH3-14-A	7.27	41,993
VH3-06-A	7.67	42,862
VH3-12-A	8.90	53,986
VH3-09-A	12.75	52,870
VH2-02-A	13.19	61,921
VH3-07-A	13.28	52,677
VH2-01-A	14.35	57,825

Notes: See Figure 6. The above data were used to estimate Ra-226 activity concentrations in surface soils at Vent Hole 3 for gamma scans performed using a Ludlum Model 44-20 detector (3x3).  
pCi/g=picocuries per gram, cpm = counts per minute

**Figure E-5. Correlation Study Using an Uncollimated 3 x 3 Ra226 Concentrations (pCi/g) vs. Gamma Activity Count (cpm) Vent Holes 4 Assessment Area**

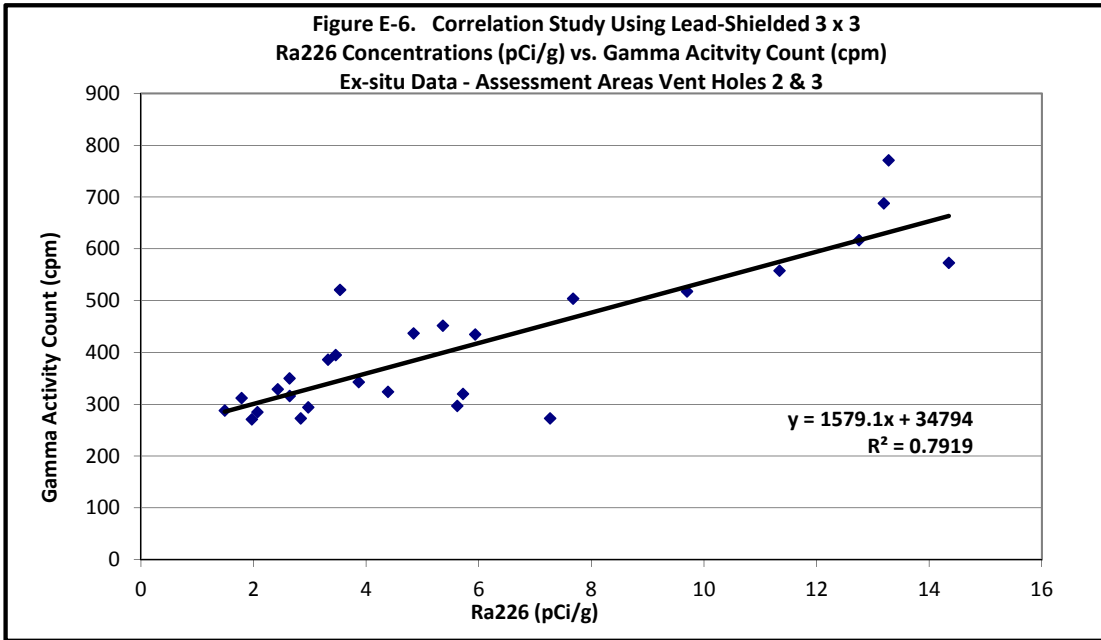


**Table E-5. Vent Hole 4 Correlation Data**

Sample ID	Radium 226 (pCi/g)	Gamma Activity Count (cpm)
VH4-02-0"	1.88	32302
VH4-04-0"	1.88	30861
VH4-11-0"	2.67	33691
VH4-14-0"	2.76	31765
VH4-107-0"	3.03	37205
VH4-07-0"	3.75	37205
VH4-10-0"	12.2	77601
VH4-13-0"	12.4	84531

Notes: See Figure 7. The above correlation data were used to estimate Ra-226 concentrations in surface soils at Vent Hole 4.

pCi/g=picocuries per gram, cpm = counts per minute



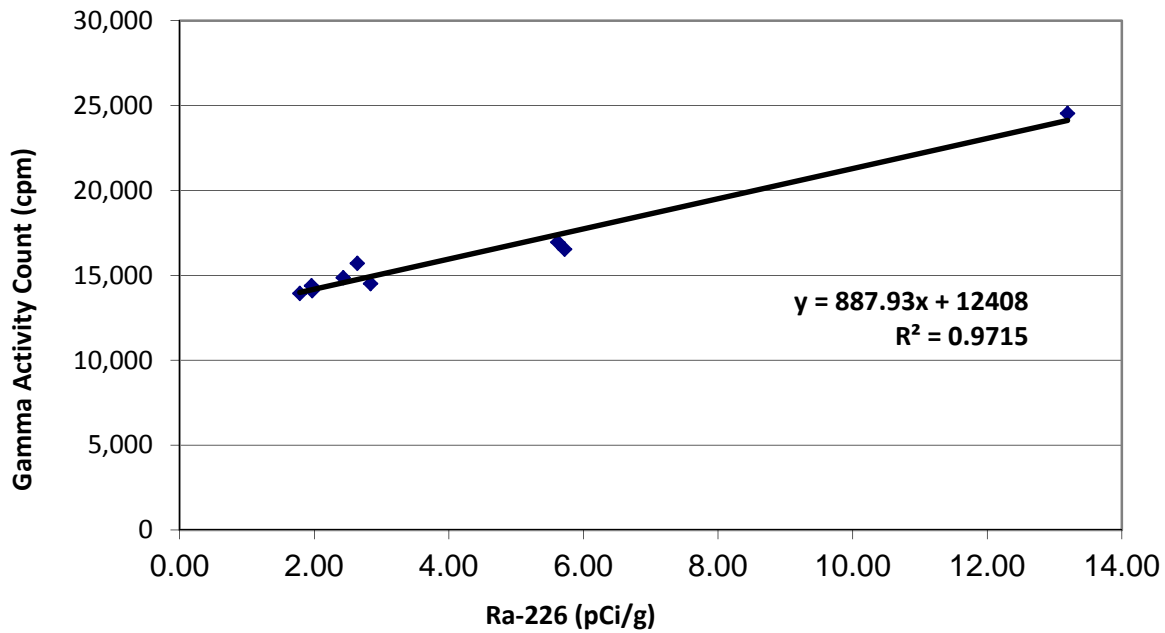
**Table E-6. Correlation Data for Ex-Situ Lead-Shielded Ludlum 44-20 Detector Using Vent Hole 2 and 3 Soil Data**

Sample ID	Radium 226 (pCi/g)	Gamma Activity Count (cpm)
VH2-10-A	1.49	288
VH2-14-A	1.79	312
VH2-13-A	1.97	271
VH3-04-A	2.07	285
VH2-07-A	2.43	329
VH2-08-A	2.64	350
VH2-11-A	2.64	316
VH2-09-A	2.84	273
VH3-08-A	2.97	294
VH3-01-A	3.32	386
VH2-05-A	3.46	395
VH2-06-A	3.54	521
VH3-02-A	3.87	343
VH3-11-A	4.39	324
VH3-05-A	4.84	437
VH3-03-A	5.36	452
VH2-03-A	5.62	297
VH2-04-A	5.72	320
VH2-12-A	5.94	435
VH3-14-A	7.27	273
VH3-06-A	7.67	504
VH3-13-A	9.70	518
VH3-10-A	11.34	558
VH3-09-A	12.75	617

VH2-02-A	13.19	688
VH3-07-A	13.28	771
VH2-01-A	14.35	573

pCi/g=picocuries per gram, cpm = counts per minute

**Figure E-2. Vent Hole 2 Correlation No. 1 Using Uncollimated 2x2 Ra226 Concentrations (pCi/g) vs. Gamma Activity Count (cpm)**



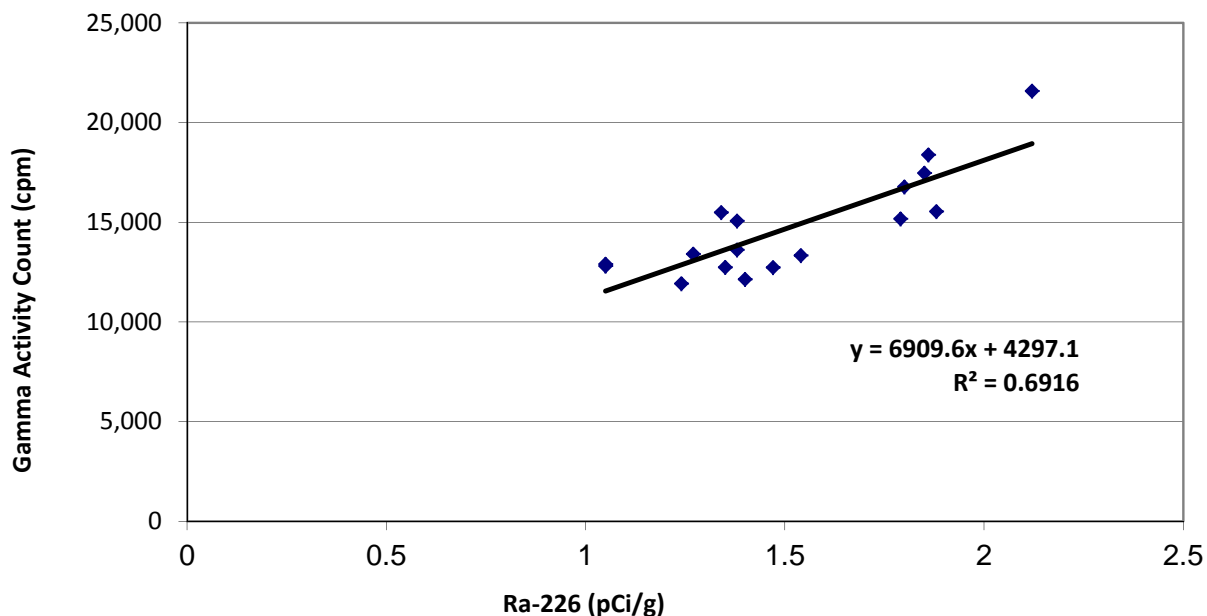
**Table E-2. Vent Hole 2, Correlation No. 1 Data**

Sample ID	Radium 226 (pCi/g)	Associated Gamma Activity Count
VH2-14-A	1.79	13,940
VH2-13-A	1.97	14,101
VH2-110-A	1.96	14,389
VH2-09-A	2.84	14,514
VH2-07-A	2.43	14,863
VH2-08-A	2.64	15,706
VH2-04-A	5.72	16,538
VH2-03-A	5.62	16,952
VH2-02-A	13.19	24,546

Notes: See Figures 3 and 4. This correlation was used at Vent Holes 2 for data collected using an uncollimated Ludlum Model 44-10 (2x2) NaI Detector. It was used to estimate Ra-226 concentrations in surface soils within approximately 200 feet of Vent Hole 2.

pCi/g=picocuries per gram, cpm = counts per minute

**Figure E-3. Vent Hole 2 Correlation No. 2 Using Uncollimated 2x2 Ra226 Concentrations (pCi/g) vs. Gamma Activity Count (cpm)**

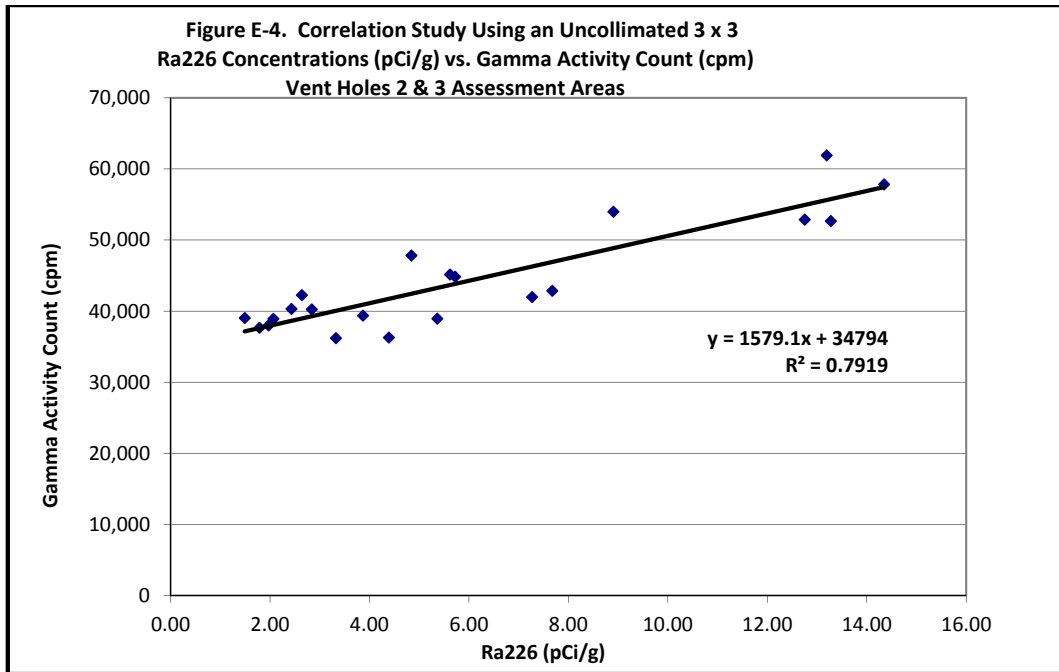


**Table E-3. Vent Hole 2, Correlation No. 2 Data**

Sample ID	Radium 226 (pCi/g)	Associated Gamma Activity Count
VH2-67	1.05	12,808
VH2-90	1.05	12,906
VH2-101	1.24	11,927
VH2-78	1.27	13,407
VH2-115	1.34	15,492
VH2-80	1.35	12,739
VH2-50	1.38	13,620
VH2-114	1.38	15,067
VH2-97	1.40	12,142
VH2-28	1.47	12,735
VH2-95	1.54	13,333
VH2-112	1.79	15,173
VH2-117	1.80	16,781
VH2-119	1.85	17,472
VH2-123	1.86	18,381
VH2-126	1.88	15,539
VH2-128	<b>2.12</b>	21,589

Notes: See Figures 3 and 5. This correlation was used at Vent Holes 2 for data collected using an uncollimated Ludlum Model 44-10 (2x2) NaI Detector. It was used to estimate Ra-226 activity concentrations in surface soils more than 200 feet away from Vent Hole 2.

pCi/g=picocuries per gram, cpm = counts per minute

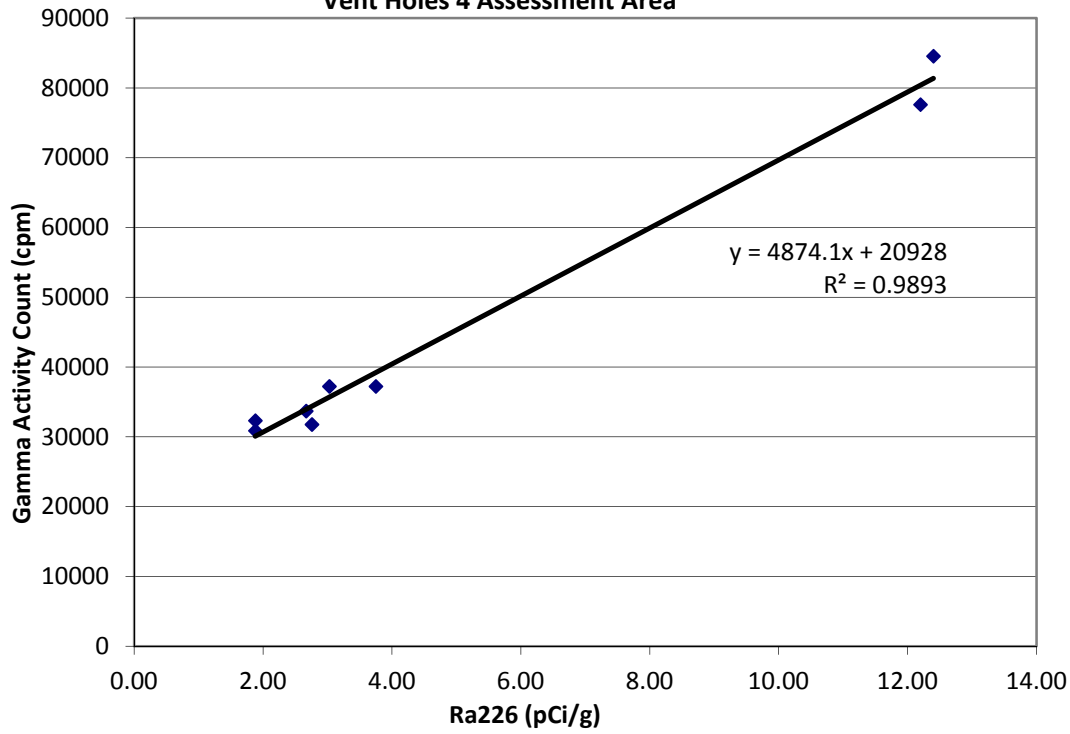


**Table E-4. Data for Uncollimated Ludlum Model 44-20 (3x3)  
Correlation at Vent Hole 3.**

Sample ID	Radium 226 (pCi/g)	Gamma Activity Count (cpm)
VH2-10-A	1.49	39,047
VH2-14-A	1.79	37,659
VH2-13-A	1.97	37,996
VH3-04-A	2.07	38,920
VH2-07-A	2.43	40,312
VH2-08-A	2.64	42,248
VH2-09-A	2.84	40,256
VH3-01-A	3.32	36,206
VH3-02-A	3.87	39,385
VH3-11-A	4.39	36,283
VH3-05-A	4.84	47,841
VH3-03-A	5.36	38,938
VH2-03-A	5.62	45,162
VH2-04-A	5.72	44,847
VH3-14-A	7.27	41,993
VH3-06-A	7.67	42,862
VH3-12-A	8.90	53,986
VH3-09-A	12.75	52,870
VH2-02-A	13.19	61,921
VH3-07-A	13.28	52,677
VH2-01-A	14.35	57,825

Notes: See Figure 6. The above data were used to estimate Ra-226 activity concentrations in surface soils at Vent Hole 3 for gamma scans performed using a Ludlum Model 44-20 detector (3x3).  
pCi/g=picocuries per gram, cpm = counts per minute

**Figure E-5. Correlation Study Using an Uncollimated 3 x 3 Ra226 Concentrations (pCi/g) vs. Gamma Activity Count (cpm) Vent Holes 4 Assessment Area**



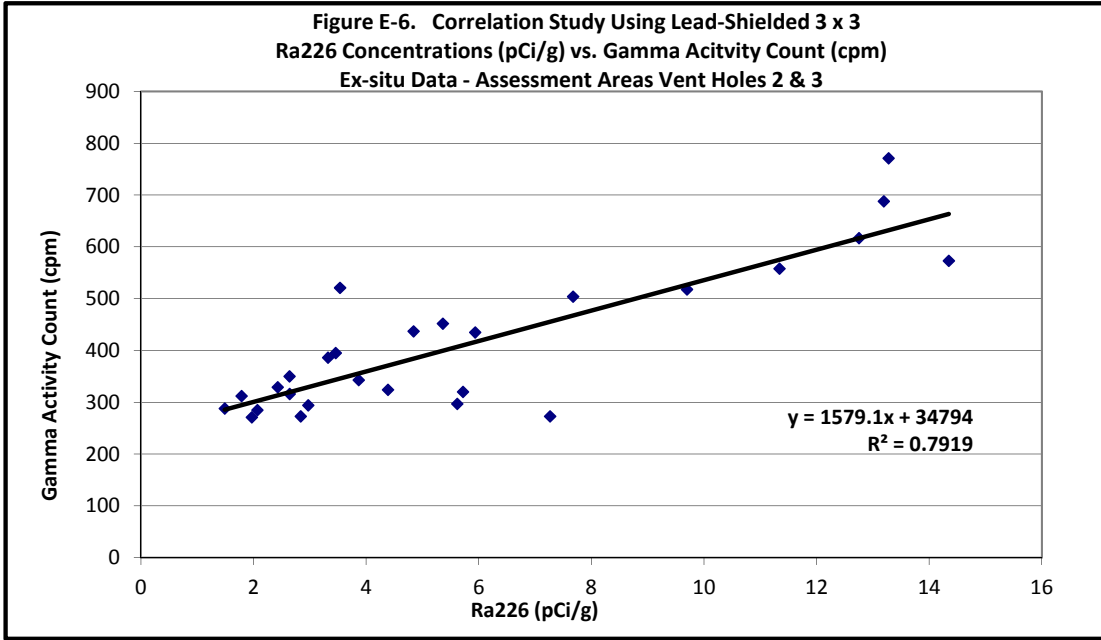
**Table E-5. Vent Hole 4 Correlation Data**

Sample ID	Radium 226 (pCi/g)	Gamma Activity Count (cpm)
VH4-02-0"	1.88	32302
VH4-04-0"	1.88	30861
VH4-11-0"	2.67	33691
VH4-14-0"	2.76	31765
VH4-107-0"	3.03	37205
VH4-07-0"	3.75	37205
VH4-10-0"	12.2	77601
VH4-13-0"	12.4	84531

Notes: See Figure 7. The above correlation data were used to estimate Ra-226 concentrations in surface soils at Vent Hole 4.

pCi/g=picocuries per gram, cpm = counts per minute





**Table E-6. Correlation Data for Ex-Situ Lead-Shielded Ludlum 44-20 Detector Using Vent Hole 2 and 3 Soil Data**

Sample ID	Radium 226 (pCi/g)	Gamma Activity Count (cpm)
VH2-10-A	1.49	288
VH2-14-A	1.79	312
VH2-13-A	1.97	271
VH3-04-A	2.07	285
VH2-07-A	2.43	329
VH2-08-A	2.64	350
VH2-11-A	2.64	316
VH2-09-A	2.84	273
VH3-08-A	2.97	294
VH3-01-A	3.32	386
VH2-05-A	3.46	395
VH2-06-A	3.54	521
VH3-02-A	3.87	343
VH3-11-A	4.39	324
VH3-05-A	4.84	437
VH3-03-A	5.36	452
VH2-03-A	5.62	297
VH2-04-A	5.72	320
VH2-12-A	5.94	435
VH3-14-A	7.27	273
VH3-06-A	7.67	504
VH3-13-A	9.70	518
VH3-10-A	11.34	558
VH3-09-A	12.75	617

VH2-02-A	13.19	688
VH3-07-A	13.28	771
VH2-01-A	14.35	573

pCi/g=picocuries per gram, cpm = counts per minute