POTENTIAL RELEASE SITE (PRS) 441
ON-SCENE COORDINATOR (OSC) REPORT

(Includes the Haul Road Hot Spot and [Test Fire] Parking Lot Results)

PRS 441 is closed via this OSC Report

Prepared for:

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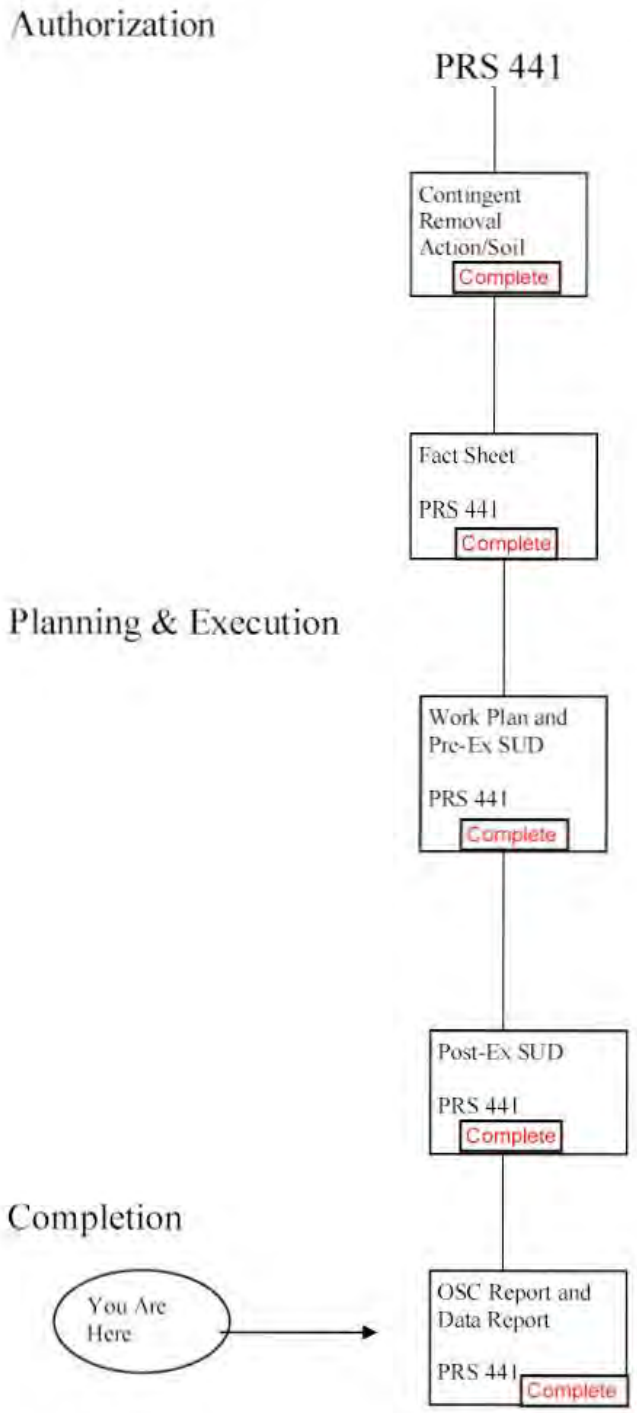
DOE Contract No.
DE-AM09-05SR22399

October 27, 2009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Contingent Removal Action/Soil
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Fact Sheet
PRS 441
Complete
Planning & Execution
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ACRONYM LIST

Ac	Actinium
Am	Americium
Bi	Bismuth
aRc	Accelerated Remediation Company
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CO	Cleanup Objective
Co	Cobalt
COC	Contaminant of Concern
Cs	Cesium
DOE	United States Department of Energy
EPA	Environmental Protection Agency
MCP	Miamisburg Closure Project
OSC	On-Scene Coordinator
OU	Operable Unit
Pa	Protactinium
Pb	Lead
PCB	Polychlorinated biphenyl
PRS	Potential Release Site
Pu	Plutonium
RA	Removal Action
RAWP	Removal Action Work Plan
Ra	Radium
SU	Survey Unit
SUD	Survey Unit Design
Th	Thorium
U	Uranium
USEPA	United States Environmental Protection Agency
VSAP	Verification Sampling and Analysis Plan

RECOMMENDATION: PRS 441

The Potential Release Site (PRS) 441 Removal Action (RA) was authorized via the Contingent Action Memo (Action Memorandum EE/CA, Contingent Removal Action for Contaminated Soil, Final, June 2002) and Public Fact Sheet for PRS 441: Soil Staging Area, May 2007. PRS 441 was binned a removal action on March 1, 2005. The PRS 441 RA was performed as a result of historical knowledge and processes, and radiological surveys and soil samples results which showed elevated concentrations of Pb-210, Ra-226, Th-228, Th-230, Th-232, Pu-238, Bi-207, Pa-231, Ag-108m, and Bi-210m in the area. The scope of the removal action was to remove radiological and chemical contaminated soil found in the PRS 441 area and verify that the remaining soil area meets the Cleanup Objectives (CO).

Radiological and chemically contaminated soil found at PRS 441 was excavated per the Contingent Action Memo and MP-506, Removal Action Work Plan for the Mound PRS 441: Soil Staging Area. Verification sampling and analysis for the PRS 441 area was performed in accordance with Appendix E of MP-506, PRS 441 Soils Verification Sampling & Analysis Plan, dated October 11, 2007.

For PRS 441, the criteria for completion required following the general Mound 2000 process. The removal of radiological and chemical contaminated soil was performed using CO in accordance with the PRS 441 Soils Verification Sampling & Analysis Plan.

This removal action was successfully completed and resulted in the excavation (at PRS 441) and disposal of approximately 23,500 cubic yards of radiological and chemical contaminated soil (for disposal at the Energy*Solutions* Facility in Clive, UT). All the verification sample results show below cleanup objective concentrations for the radiological and chemical contaminants of concern.

In addition, the Core Team decided to use the PRS 441 On-Scene Coordinator (OSC) Report as the record document to include the Haul Road Hot Spot and (Test Fire) Parking Lot results.

After a thorough review of this OSC Report, the Core Team agrees that the removal action associated with PRS 441 has met the objective as described in the Public Fact Sheet, May 2007. Note that a portion of the area previously called PRS 441 rail staging area will be used to stage and load out waste from the OU1 excavation. This area is now called the rail load out area and will be cleaned up and verified under an approved verification sample and analysis plan and documented in the OU1 excavation report.

Concurrences:

Paul Lucas 12/1/09

Paul Lucas, OSC
U.S. Department of Energy, Springdale, OH

12/1/09

Timothy J. Fischer, Remedial Project Manager
USEPA, Chicago, IL

12/1/09

Brian Nickel, Project Manager
Ohio EPA, Dayton, OH

1.0 SUMMARY OF EVENTS

This section describes the site background and events leading up to the removal action (RA), parties involved in responding to the RA, cleanup objective (CO) determination, chronological narrative of the RA, and resources committed to complete the project.

1.1 Site Conditions and Background

Background. PRS 441. Potential Release Site (PRS) 441 is located as shown on Figure 1 and includes the soil staging area, rail siding (including a segment formerly part of PRS 75), a small catch basin for runoff and a segment of the site drainage ditch (formerly part of PRS 67). The area is approximately 3.3 acres and is located north of Operable Unit - 1 (OU-1). There were multiple small structures, including sheds and mobile office units on the area. Some of the PRS 441 facilities were previously removed and/or partially remediated prior to this removal action.

During the 1950s, 60s, and 70s, the rail siding in PRS 441 was used for loading and unloading packaged materials and packaged wastes associated with polonium, thorium and plutonium projects at the Mound Laboratory. Staging and shipment of soil began in the 1990s as part of the Miami-Erie Canal remediation project. In the late 1990s, the soils staging area was expanded to accommodate the increasing volume of low-level contaminated soil.

In 2002 and again in 2004, the staging area was further expanded to accept increased volumes of contaminated soil related to the accelerated site closure schedule. The soil staging area received characterized waste destined for disposal at Clive, UT. The waste was characterized at the dig site, hauled to the staging area where it was inventoried and shipped via rail to Clive, UT. In 2005, waste materials excavated from PRS 11 (part of OU-1) were shipped from the PRS 441 rail area. Additional waste materials excavated from OU-1 area were also shipped in 2007 and 2008 from the PRS 441 rail area.

PRS 441 includes parts of the former PRS 67 area and the PRS 75 area. The proximity of PRSs 67 and 75 along with the respective identified contaminants of concern (COCs) and historic use of the PRSs support the inclusion and investigation of these areas with PRS 441. Figure 2 provides a more detailed map of the PRS 441 area.

Removal Action. This On-Scene Coordinator (OSC) Report documents completion of the PRS 441 RA. The RA was authorized via the Contingent Action Memo (Action Memorandum EE/CA, Contingent Removal Action for Contaminated Soil, Final, June 2002) and Public Fact Sheet for PRS 441: Soil Staging Area, May 2007. Known radiological contamination at PRS 441 warranted a RA under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act). PRS 441 is closed via this OSC Report.

Note that a portion of the area previously called PRS 441 rail staging area will be used to stage and load out waste from the OU1 excavation. This area is now called the rail load out area and will be cleaned up and verified under an approved verification sample and analysis plan and documented in the OU1 excavation report.

Radiologically contaminated soil at PRS 441 was excavated per the Contingent Action Memo and MP-506, Removal Action Work Plan for the Mound PRS 441: Soil Staging Area. Verification sampling and analysis for PRS 441 was performed in accordance with Appendix E of MP-506, entitled PRS 441 Soils Verification Sampling & Analysis Plan (VSAP), dated October 11, 2007 and the Post-Excavation Survey Unit Design for PRS 441. An excerpt of the associated survey unit design (SUD) is included in Appendix A of this OSC Report. Survey units (SUs) 1-10 are shown on Figure 3. Verification sampling results are reported in Appendix A. All results are less than the clean-up objectives stated in the PRS 441 Soils VSAP and demonstrate that PRS 441 has met the objective as described in the Public Fact Sheet, May 2007.

Since the U.S. Department of Energy (DOE) is the sole responsible party for PRS 441, no Potentially Responsible Parties (PRPs) were sought to cleanup the site. Monsanto Research Corporation, EG&G Mound Applied Technologies, and BWXT of Ohio, Inc were the operating contractors at the site from 1948 to September 30, 1988, October 1, 1988 to September 30, 1997, and October 1, 1997 to December 31, 2002 respectively. CH2M Hill Mound, Inc. became the site contractor for the Miamisburg Closure Project (MCP) effective January 1, 2003 until September 30, 2006.

DOE contracted with Accelerated Remediation Company (aRc) in October 2006 to conduct the removal action at PRS 441.

1.2 Organization of the Removal Action

Table 1 lists the parties responding to the removal actions and their responsibilities.

Table 1. Parties and Responsibilities

USEPA SR-6J 77 W. Jackson Chicago, IL 60604 312-886-5787	Tim Fischer	Federal agency responsible for MCP oversight
Ohio EPA 410 E. Fifth Street Dayton, OH 45402-2911 937-285-6468	Brian Nickel	State agency responsible for MCP oversight
DOE/MCP 955 Mound Road Miamisburg, OH 45342 937-247-2221	Paul Lucas	DOE/MCP, Acting Project Manager responsible for MCP oversight
aRc 965 Capstone Drive Miamisburg, OH 45342 937-865-3734	Dennis Dalga	aRc Project Manager responsible for project execution

1.3 Objectives

The objectives of the OSC Report are to describe the PRS 441 RA fieldwork and document successful completion.

Removal Action Objectives: The objectives for the removal action included:

- Project Planning
- Public Notification
- Removal Plan Review
- PRS Site Preparation
- Excavation
- Verification
- Site Restoration
- Documentation of Completion

Material quantities for PRS 441 and disposition locations are presented in Table 2.

Table 2: Materials and Disposition

Type of Material	Quantity (cubic yards)	Disposal Method	Disposal Location
Contaminated soil/debris	23,557	Rail transport	Energy*Solutions*, Clive, UT

Removal Cost. The cost of the removal action work completed at PRS 441 was approximately $12.2 million. This includes project planning, fieldwork, restoration, grading, transportation/disposal of contaminated soil, verification sampling, analyses & data validation and closure documentation activities.

Cleanup Objective. COCs and COs were originally identified in the Public Fact Sheet for PRS 441: Soil Staging Area dated May 2007 (see Appendix B). Additional COCs identified during the fieldwork were included in the Post-Excavation SUD. Final COCs, COs, and Hot Spot criteria are presented in Table 3. Tritium was removed as a COC based upon sampling results from SUs 1 -3 indicating concentrations below the minimum detectable activity for all but one sample.

The cleanup criteria are satisfied if all verification sample results are below the CO, or all sample results are below hot spot criteria and the 95% UCL (upper confidence limit) of the mean for the area of interest is less than the CO and the data set passes the Sign test.

Table 3. Soil Cleanup Radiological Objectives (pCi/g)

COC	CO (pCi/g)	Hot Spot (pCi/g)
Th-232	2.1	3.5
Pb-210	7.4	19.8
Pu-238	55	165.13
Ra-226	2.9	4.7
Pa-231	4.0	11.81
Ac-227	4.6	13.61
U-238	2.2	4.2
Co-60	0.7	2.1
Cs-137	3.8	10.62
Th-230	2.8	4.6
Am-241	63	189
Bi-210m	8.3	24.9
U-233/234	2.0	3.8

Note: The soil COs are based on direct contact to the future industrial/commercial user and not based on leaching to groundwater calculations.

Chemical contaminants in PRS 441 were identified in the Soils Verification Sampling and Analysis Plan (VSAP) and addressed in the Post-Excavation SUD documents for each SU. Table 4 lists the COC.

Table 4: Soil Cleanup Chemical Objectives (mg/kg)

COC	Cleanup Objective (mg/kg)
Tetrachloroethene	187
Trichloroethene	52.5
Vinyl Chloride	4.14
PCBs (Aroclor 1248)	4.26

Cleanup Objective. All final verification results for PRS 441 are identified in the Data Report (Appendix A). Note that all results show both radiological and chemical contaminates below CO. Therefore, the cleanup criteria for PRS 441 are met.

Hot Spot Criteria. The Hot Spot criteria for the contaminates are presented in Table 3. There were no sample results in the verification data set that exceeded the hot spot criteria for any analyte.

1.4 Chronological Narrative of the Removal Action

Table 5 presents a chronological narrative of events surrounding the RA.

Table 5. Chronology of RA

Timeframe	Activity
June 2002	Contingent Action Memo issued
October 2007	Fact Sheet and Removal Action Work Plan recommending removal
July 2008 – August 2008	Work Planning
August 2008 – May 2009	Excavation
August 2008 – June 2009	Hauling and Disposal
January 2009 - July 2009	Backfill
September 2009	PRS 441 OSC Report prepared, closes out PRS 441

2.0 EFFECTIVENESS OF THE REMOVAL ACTION

The PRS 441 removal action is complete. The objectives of the Public Fact Sheet PRS 441: Soil Staging Area and MP-506, Removal Action Work Plan for the Mound PRS 441: Soil Staging Area have been met. Additionally, two areas outside the PRS 441 footprint were excavated due to radiological contamination. The areas excavated were the Haul Road and (Test Fire) Parking Lot Hot Spot areas and included soil removal and

verification sampling. COs were met for the excavation activities. Excavation area and final sample results are presented in Appendix A. The Core Team decided to use the PRS 441 OSC Report as the record document to include the Haul Road Hot Spot and (Test Fire) Parking Lot results.

2.1 Actions Taken by aRc Personnel

aRc personnel planned and performed PRS 441 excavation work, transportation and disposal of the contaminated soil, monitoring, sampling and analyses, and documentation. Before, during and after photos are shown in Appendix C. The project met the removal action objectives (Section 1.3), as outlined in the Public Fact Sheet. aRc personnel prepared this OSC Report, which shows that the RA objectives were achieved.

2.2 Actions Taken by State and Federal Agencies

The DOE/MCP was the lead agency for the RA and provided the funding. DOE, USEPA, and Ohio EPA had oversight responsibility for the RA and review of the Action Memorandum and OSC Report to ensure that the objectives were met.

2.3 Actions Taken by Subcontractors

Subcontractors involved in the project included:

Portage Environmental, Inc. (Miamisburg, OH) – provided safety oversight, project control, and project management.

Shaw Environmental and Infrastructure, Inc. (Cincinnati, OH) – provided quality assurance oversight, sampling support, data review and data validation

DeNuke (Oak Ridge, TN) – performed monitoring, sampling, analysis and verification documentation.

Water Quality Systems, Inc. (Cincinnati, OH) – provided site excavation support

Energy*Solutions* (Clive, UT) – transportation and disposal of radiologically contaminated waste.

Environmental Analysis and Solutions, LLC (Hamilton, OH) – prepared regulatory plans and provided regulatory oversight/support.

3.0 DIFFICULTIES ENCOUNTERED

3.1 Item that Affected the Removal Action - Accessibility

Three of the 105 hot spot sample locations could not be accessed within the SU 10 area. The easternmost section of SU 10 was impenetrable to equipment and personnel due to dense vegetation and slope steepness. No remediation was required in this area of SU 10 based on past knowledge and the surrounding area sample results. All of the sample results were less than CO for all the analytes in the SU 10 area. The Core Team approved an alternative sampling approach in SU 10 due to the steepness of the surface requiring sampling in the thick vegetation.

3.2 Issues of Intergovernmental Coordination

All DOE/Ohio EPA/USEPA interactions were very good. The agencies were updated informally on a regular basis, and formally at monthly Core Team meetings. The Mound 2000 Process worked well. Splitting of samples with Ohio EPA was coordinated and went very well.

4.0 RECOMMENDATIONS

4.1 Means to Prevent a Recurrence

All soil sampling verified removal of radiological and chemical contamination at PRS 441 below CO. The waste and contaminated soil were removed and therefore further spread of contamination is prevented. After the removal action and the CERCLA process for the parcel are complete, the area will be transferred from Federal to private ownership. All State and Federal disposal rules will apply.

Appendix A

DATA REPORT

PRS 441

September 2009

Rev. 1

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Attachment A: Figures

Attachment B: Standard VSAP Backfill Information

Attachment C: Data Tables

Attachment D: Data Review and Validation Report

Attachment E: Topographic Maps

Acronyms

PCB	Polychlorinated biphenyls
PRS	Potential Release Site
RSDS	Radiological Survey Data Sheets
SU	Survey Unit
SUD	Survey Unit Design
VSAP	Verification Sampling and Analysis Plan

1.0 PURPOSE

This Data Report documents the verification activities of Potential Release Site (PRS) 441 (location shown on Figure 1 of Attachment A).

The purposes of this Data Report are to:

- document the verification of PRS 441,
- describe any variances to the required sampling, and
- present the analytical results.

2.0 FIELD ACTIVITIES / VARIANCES

Verification sampling activities occurred from June 2008 to June 2009 in accordance with the Standard Verification Sampling and Analysis Plan (VSAP), Final, August 2004 and as documented in the Core Team-approved PRS 441 Post-Excavation Survey Unit Designs (SUD).

In addition, the “Haul Road HS” area was excavated and verified in accordance with MP-103.06A Haul Road Hot Spot Characterization At the Mound OU-1 Project. The sample locations are presented in Attachment B and the results are reported in Attachment C.

Also, an area to the west of PRS 441 boundaries was excavated and verified. This area is known as “Parking Lot”.

2.1 SAMPLE SUMMARY

The verification effort was completed in 3 parts. The first was the removal and verification of an area known as the Haul Road. Contamination was found above the cleanup objectives for Uranium 238 along a part of the haul road used for remediation of OU-1. The second part was the removal and verification of contamination extending eastward from the PRS 441 boundaries. This area is known as Parking Lot. The third part was the remediation and verification within the boundaries of PRS 441, the Rail

Spur and Pit area. This last part consisted of 8 Survey Units (SU). Verification and backfill package information for each part is provided in Attachment B.

2.2 SAMPLE LOCATIONS

Soil samples were collected from locations presented in Attachment B. Sample location coordinates are also presented in Attachment B.

2.3 VARIANCES

Due to all contaminants being below CO, the sign test was not performed. Statistics per SU are provided in Attachment B.

The Haul Road location was a small SU and per section 3.5: Special Consideration of Small Survey Units of the standard VSAP it is recommended that radiological samples be collected in the SU based upon judgment rather than systematic or random design and compared individually to CO.

At ten locations in SU 9 soil was not available for sampling; therefore, the alternative method of swipes and directs was used to verify these locations and are reported on Radiological Survey Data Sheets (RSDS) in Attachment B.

In SU 10, three locations were not accessible for sampling due to impenetrable brush, vegetative debris and tree roots.

3.0 RESULTS

Samples for final verification of this PRS were analyzed offsite at TestAmerica in St. Louis, MO. Excavated areas had (Sodium Iodide) NaI walkover surveys performed on the surfaces. Where any indications of elevated readings were noted, a bias soil sample was collected and analyzed onsite via gamma spectroscopy. Samples collected on the hot spot grid, a 15 foot triangular grid were collected and analyzed onsite via gamma spectroscopy. Polychlorinated biphenyls (PCB) was a contaminant of concern in 2 SU and its removal was verified with soil samples collected at the 15 foot triangular grid system used for collection of the hot spot samples. Locations of elevated historically elevated contamination were excavated and verified with a bias soil sample

at the location and depth of eventual excavation. Judgmental samples were collected along sidewalls of the excavation. All results for PRS 441 were below their respective CO and are tabulated in Attachment C.

3.1 DATA REVIEW & VALIDATION

Verification and quality control samples collected during the investigation for each target analysis are discussed in Attachment D. Data review and validation for samples analyzed offsite at TestAmerica is reported in Attachment D.

Topographical maps of PRS 441 post excavation and post backfill are presented in Attachment E.

ATTACHMENT A

Figures

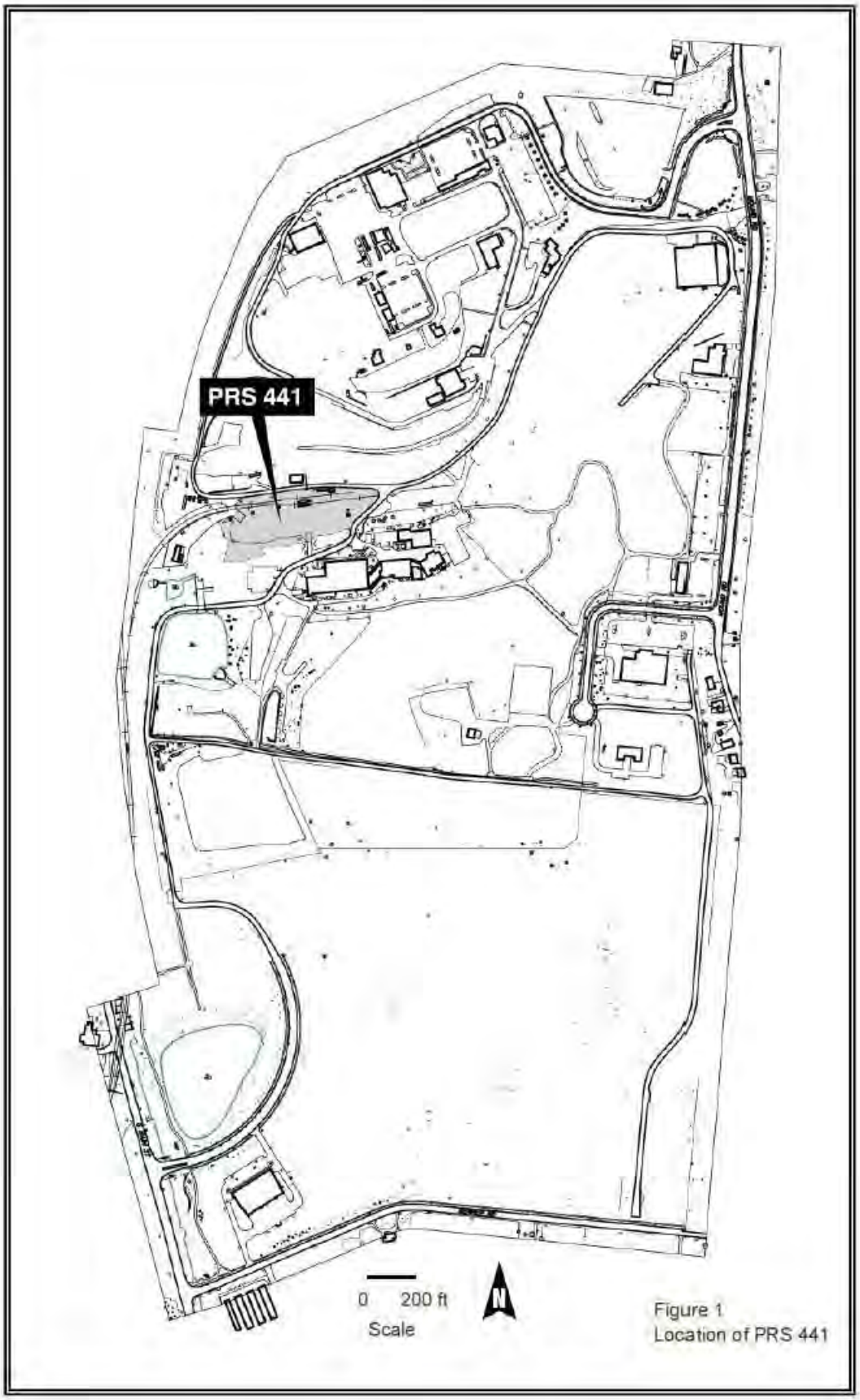

Figure 1
Location of PRS 441

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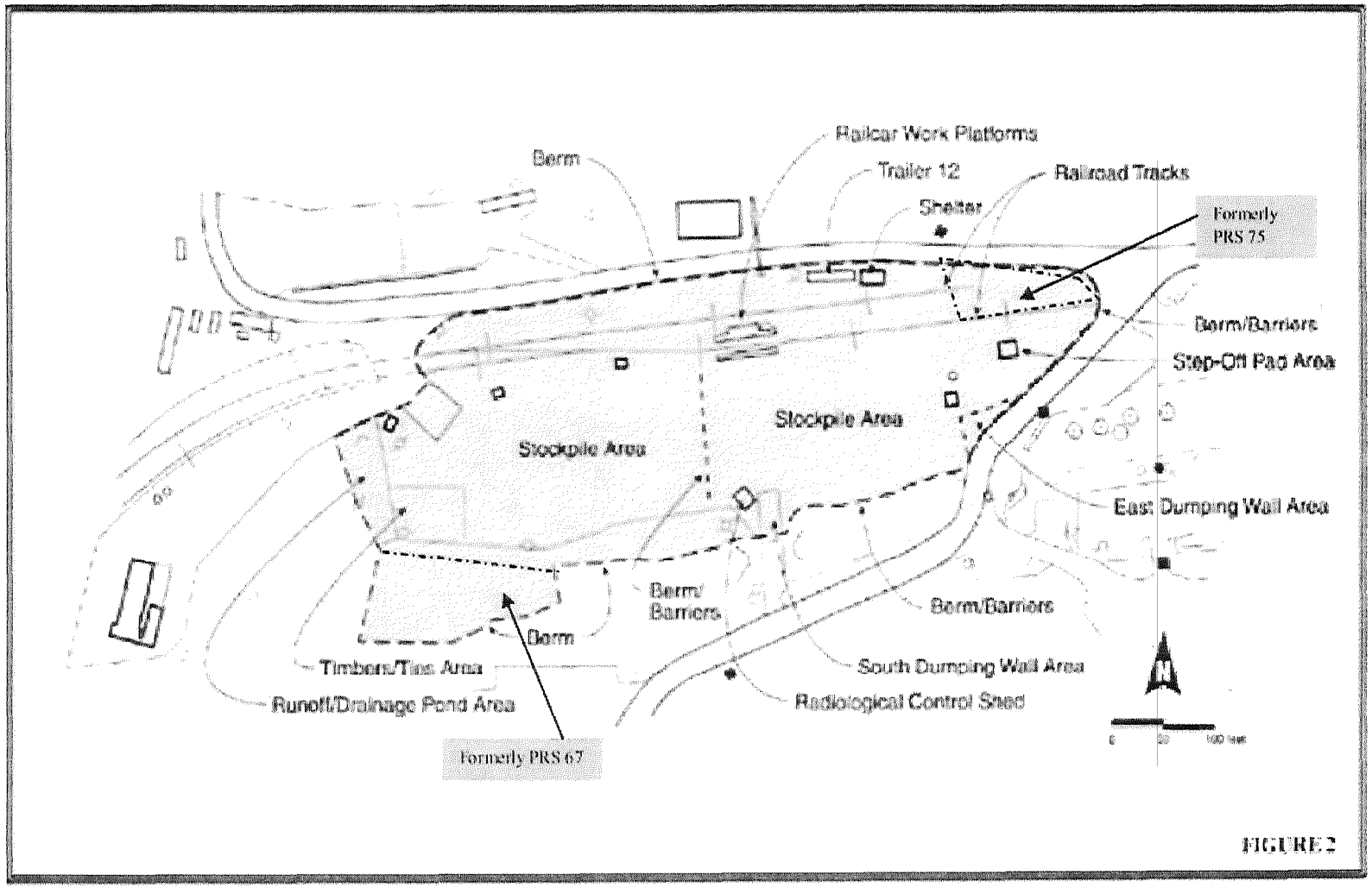

Figure 2. PRS 441 Detail

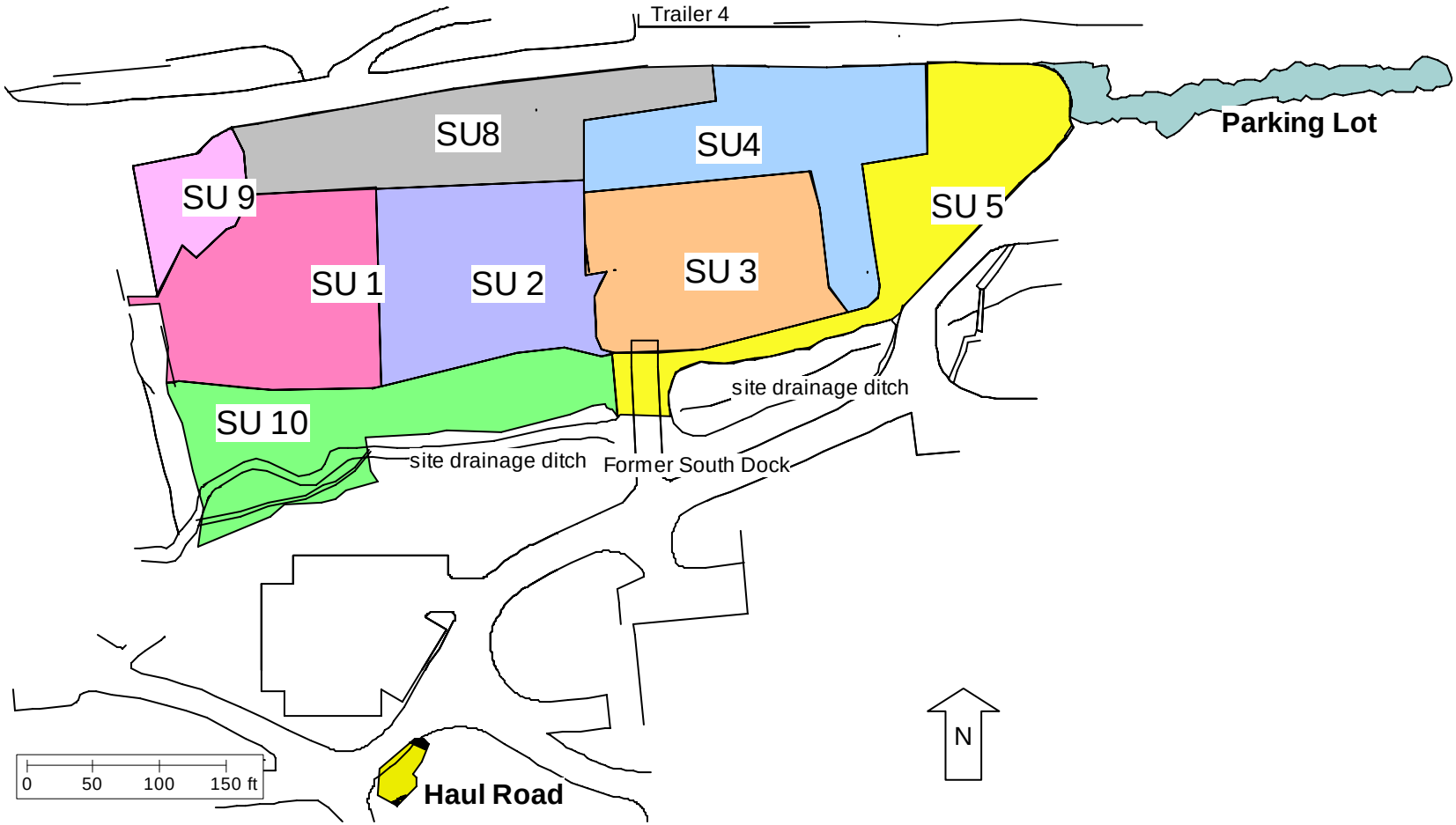

Figure 3: PRS 441 Excavation and Verification Areas

ATTACHMENT B

Standard VSAP Backfill Information

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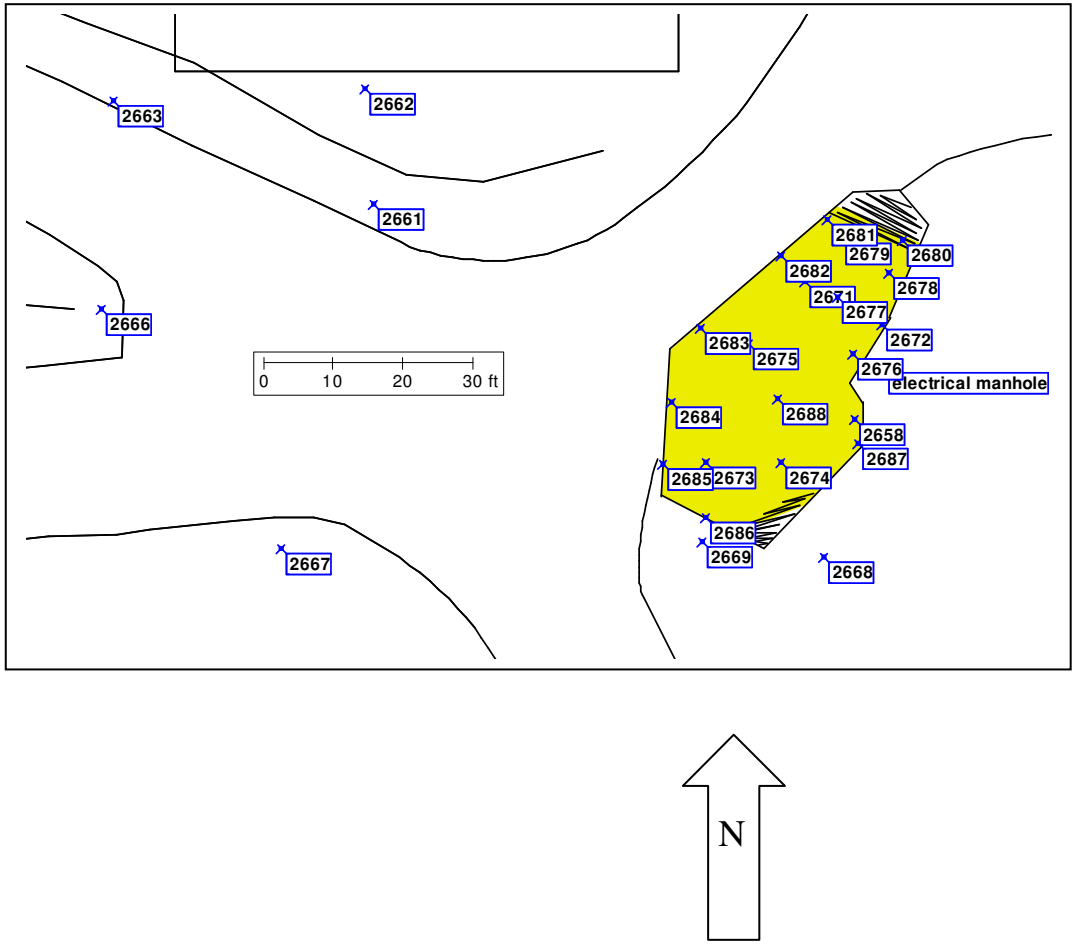
PRS 441 final Post-Ex SUDs did not have a SU 6 or SU 7.

Haul Road Verification and Backfill Information

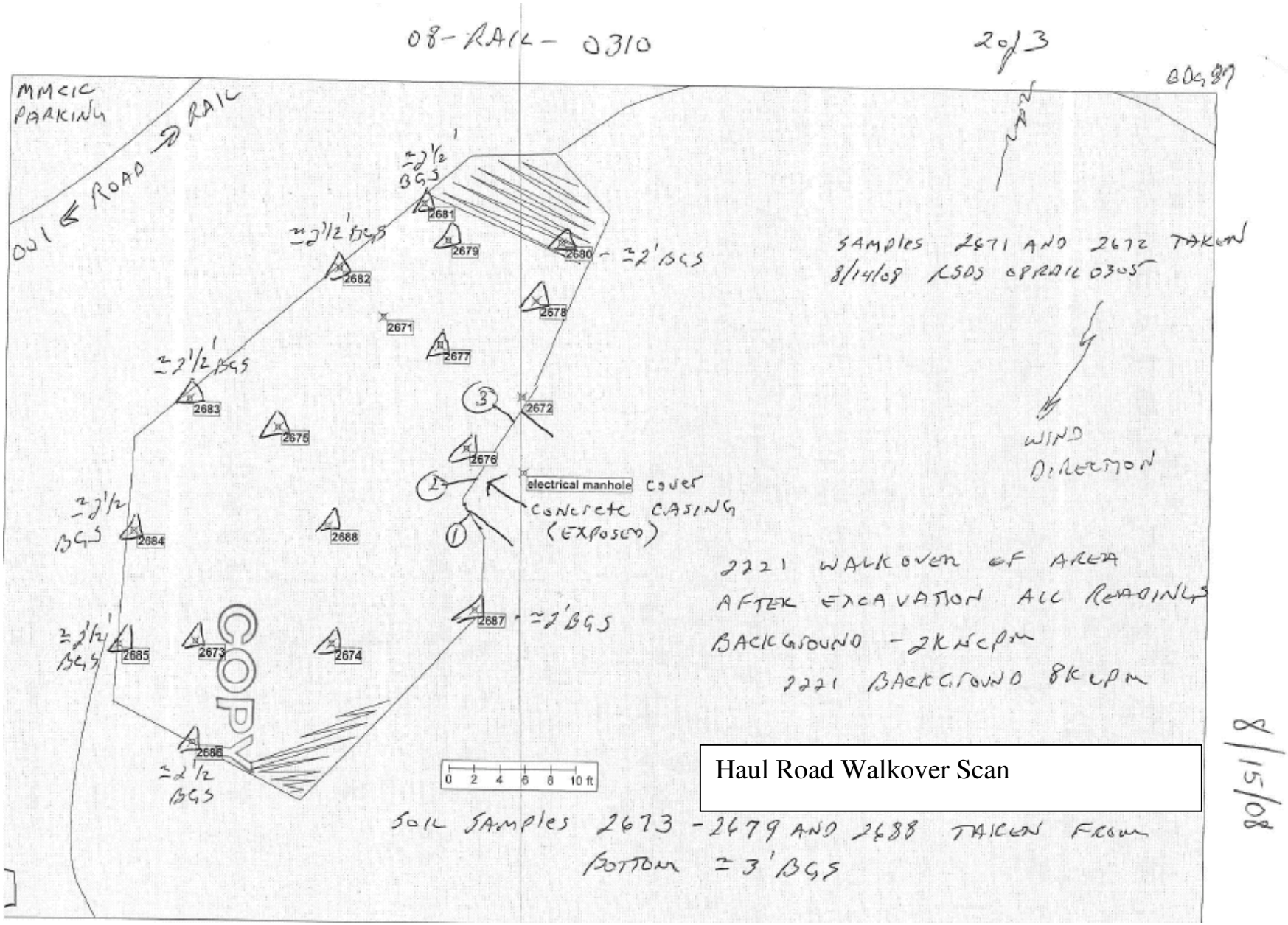
B.2

Sample ID	X Coordinate	Y Coordinate
2658	1464502.6	597630.8
2661	1464433.8	597661.4
2662	1464432.4	597678.0
2663	1464396.5	597676.3
2666	1464394.7	597646.5
2667	1464420.5	597612.5
2668	1464498.3	597611.2
2669	1464480.7	597613.5
2671	1464495.6	597650.4
2672	1464506.6	597644.3
2673	1464481.3	597624.7
2674	1464492.0	597624.6
2675	1464487.5	597641.7
2676	1464502.3	597640.2
2677	1464500.1	597648.3
2678	1464507.6	597651.8
2679	1464500.6	597656.5
2680	1464509.5	597656.4
2681	1464498.7	597659.4
2682	1464492.1	597654.2
2683	1464480.5	597643.9
2684	1464476.3	597633.4
2685	1464475.3	597624.4
2686	1464481.2	597616.9
2687	1464503.2	597627.4
2688	1464491.5	597633.9



Haul Road Verification Sample Locations and Coordinates

B.3

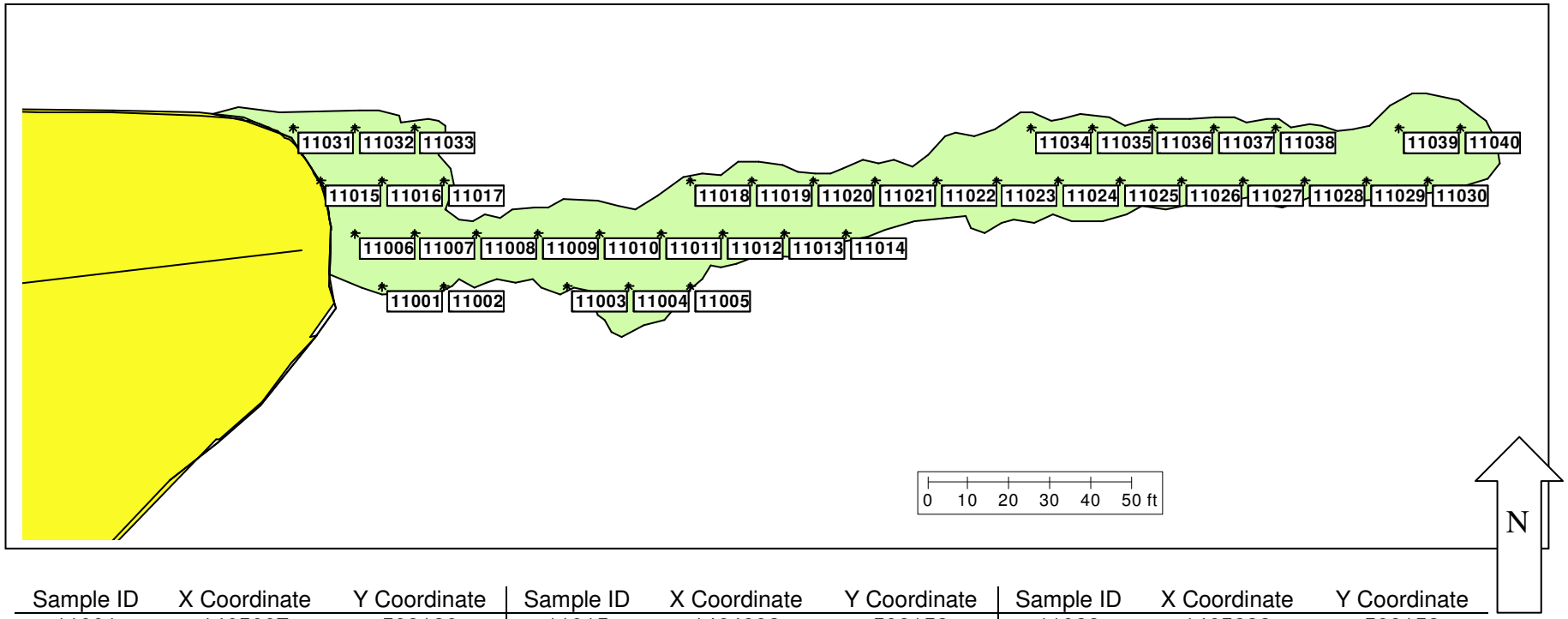


Haul Road Walkover Scan

B.4

Parking Lot Verification and Backfill Information

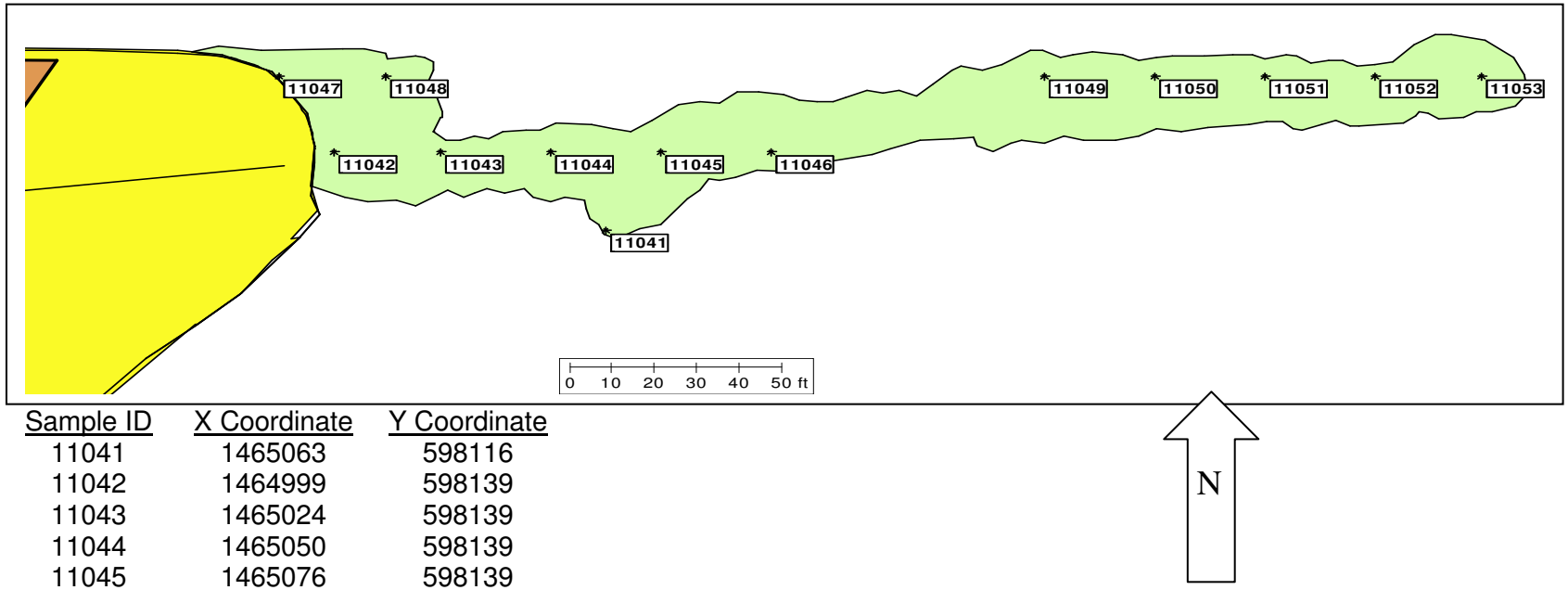
B.5



Sample ID	X Coordinate	Y Coordinate	Sample ID	X Coordinate	Y Coordinate	Sample ID	X Coordinate	Y Coordinate
11001	1465007	598126	11015	1464992	598152	11028	1465232	598152
11002	1465022	598126	11016	1465007	598152	11029	1465247	598152
11003	1465052	598126	11017	1465022	598152	11030	1465262	598152
11004	1465067	598126	11018	1465082	598152	11031	1464985	598165
11005	1465082	598126	11019	1465097	598152	11032	1465000	598165
11006	1465000	598139	11020	1465112	598152	11033	1465015	598165
11007	1465015	598139	11021	1465127	598152	11034	1465165	598165
11008	1465030	598139	11022	1465142	598152	11035	1465180	598165
11009	1465045	598139	11023	1465157	598152	11036	1465195	598165
11010	1465060	598139	11024	1465172	598152	11037	1465210	598165
11011	1465075	598139	11025	1465187	598152	11038	1465225	598165
11012	1465090	598139	11026	1465202	598152	11039	1465255	598165
11013	1465105	598139	11027	1465217	598152	11040A&B	1465270	598165
11014	1465120	598139						

Parking Lot 15’ grid samples analyzed onsite, with 10% offsite analysis

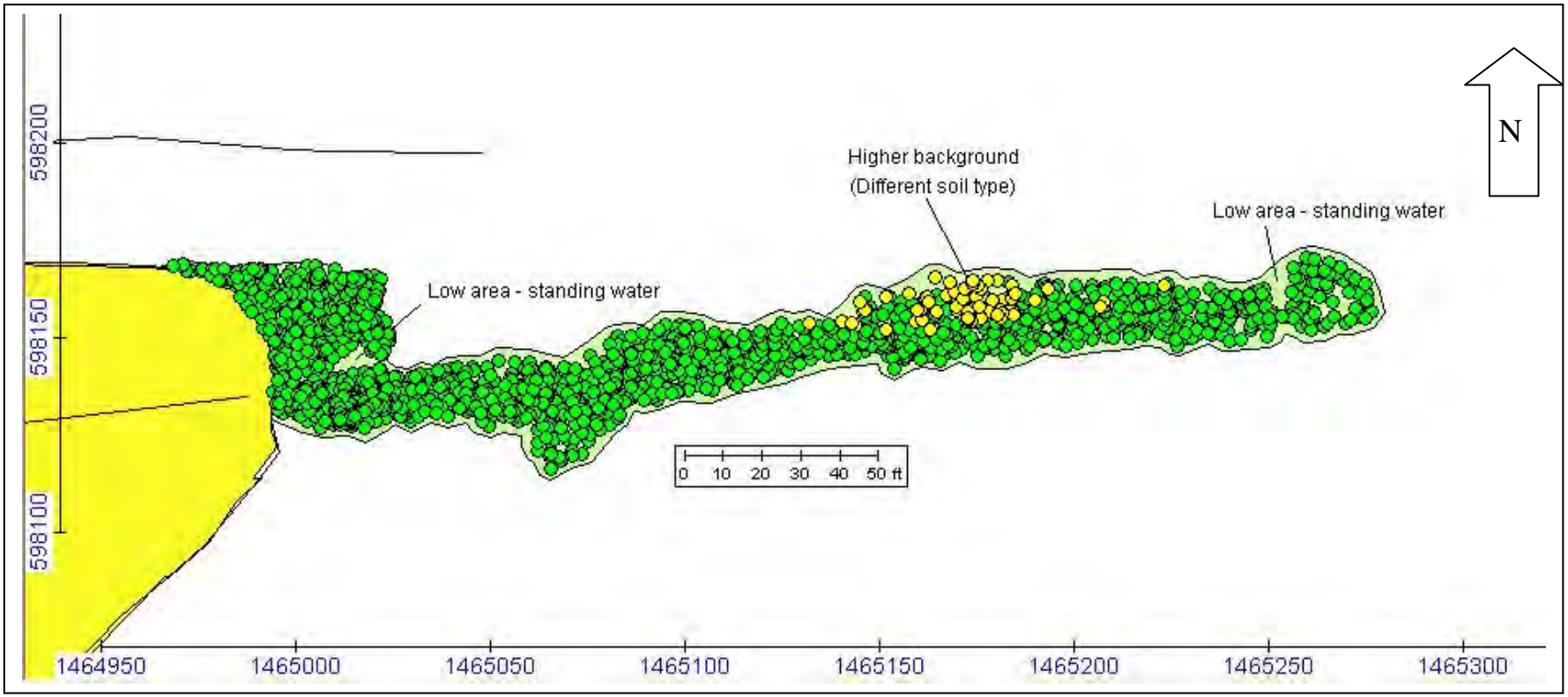
B.6



Sample ID	X Coordinate	Y Coordinate
11041	1465063	598116
11042	1464999	598139
11043	1465024	598139
11044	1465050	598139
11045	1465076	598139
11046	1465102	598139
11047	1464986	598161
11048	1465011	598161
11049	1465166	598161
11050	1465192	598161
11051	1465218	598161
11052	1465244	598161
11053	1465269	598161

Parking Lot MARSSIM samples sent for offsite analysis

B.7

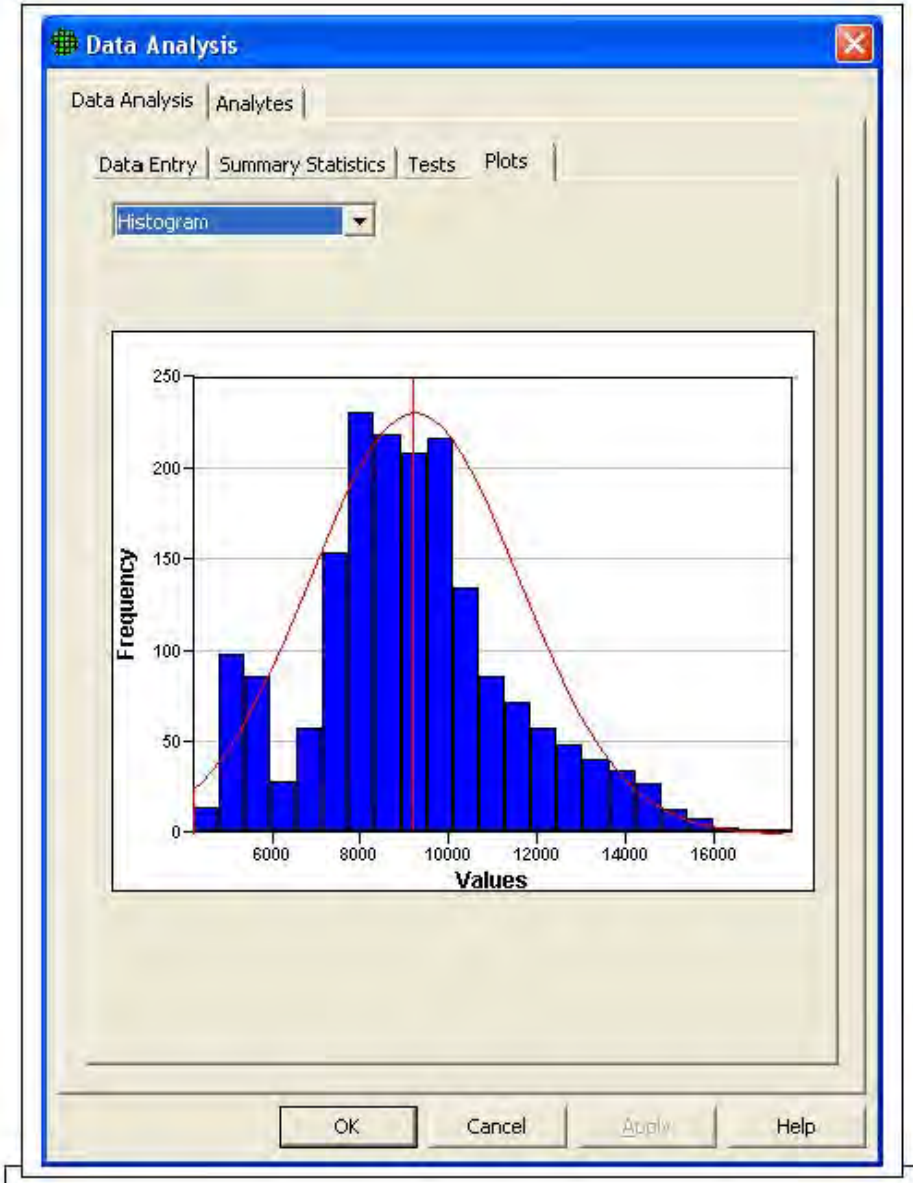


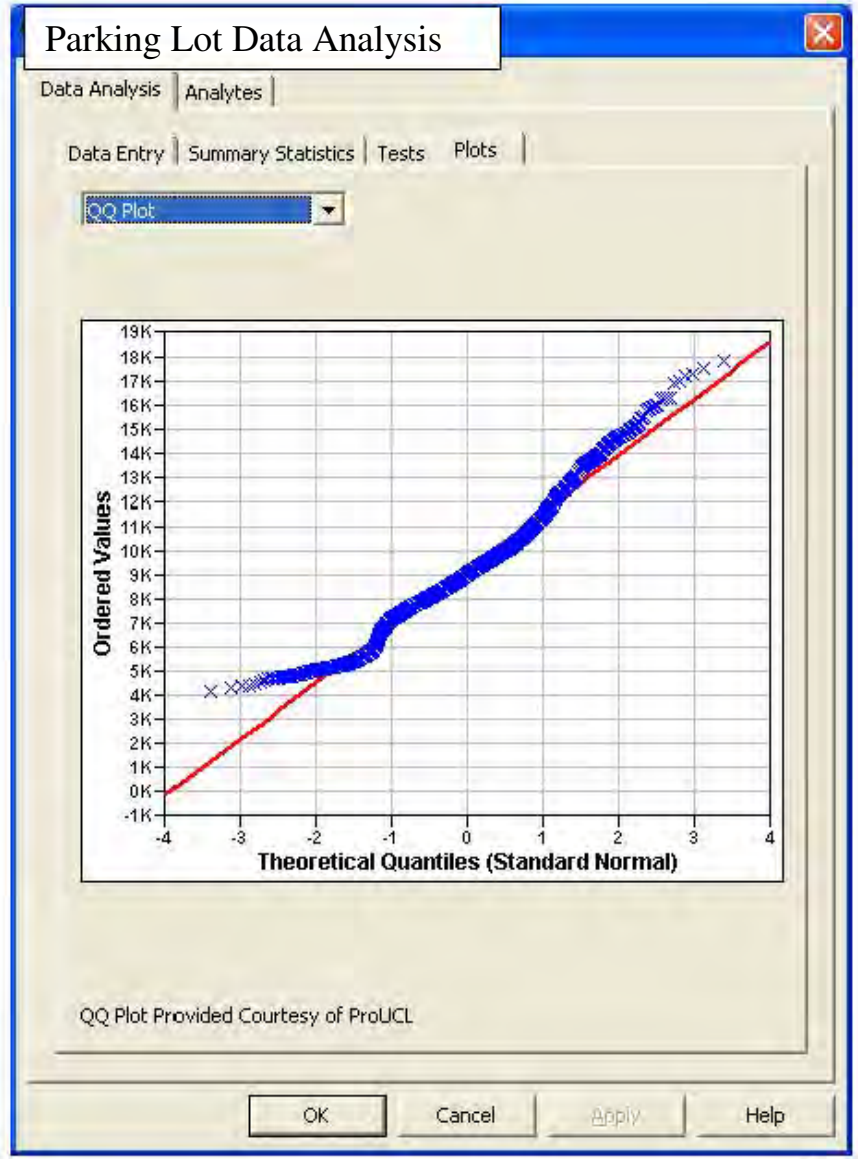
Parking Lot 44-10 Probe Walkover

Legend:	#
< Background + 2σ	1802
Background + 2σ to Background + 4σ	54
> Background + 4σ	0

Descriptive Statistics	
Mean	9210
Standard Deviation	2362
Minimum	4203
Maximum	17782
# of Data Points	1856

B.8

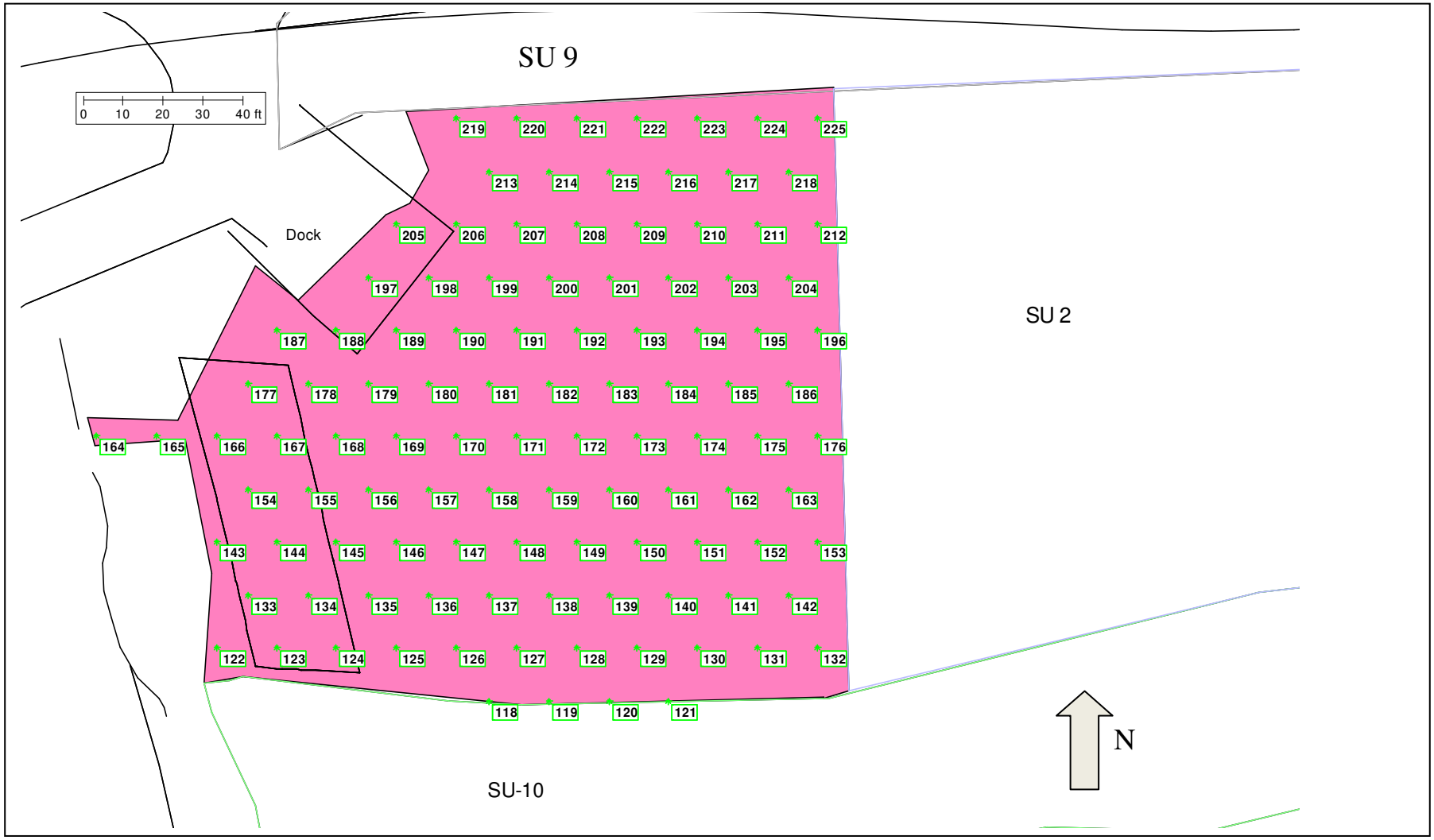




All readings were within the norm (none >4 sigma) and no audible increases were noted in the field.

B.9

SU 1 Verification and Backfill Information

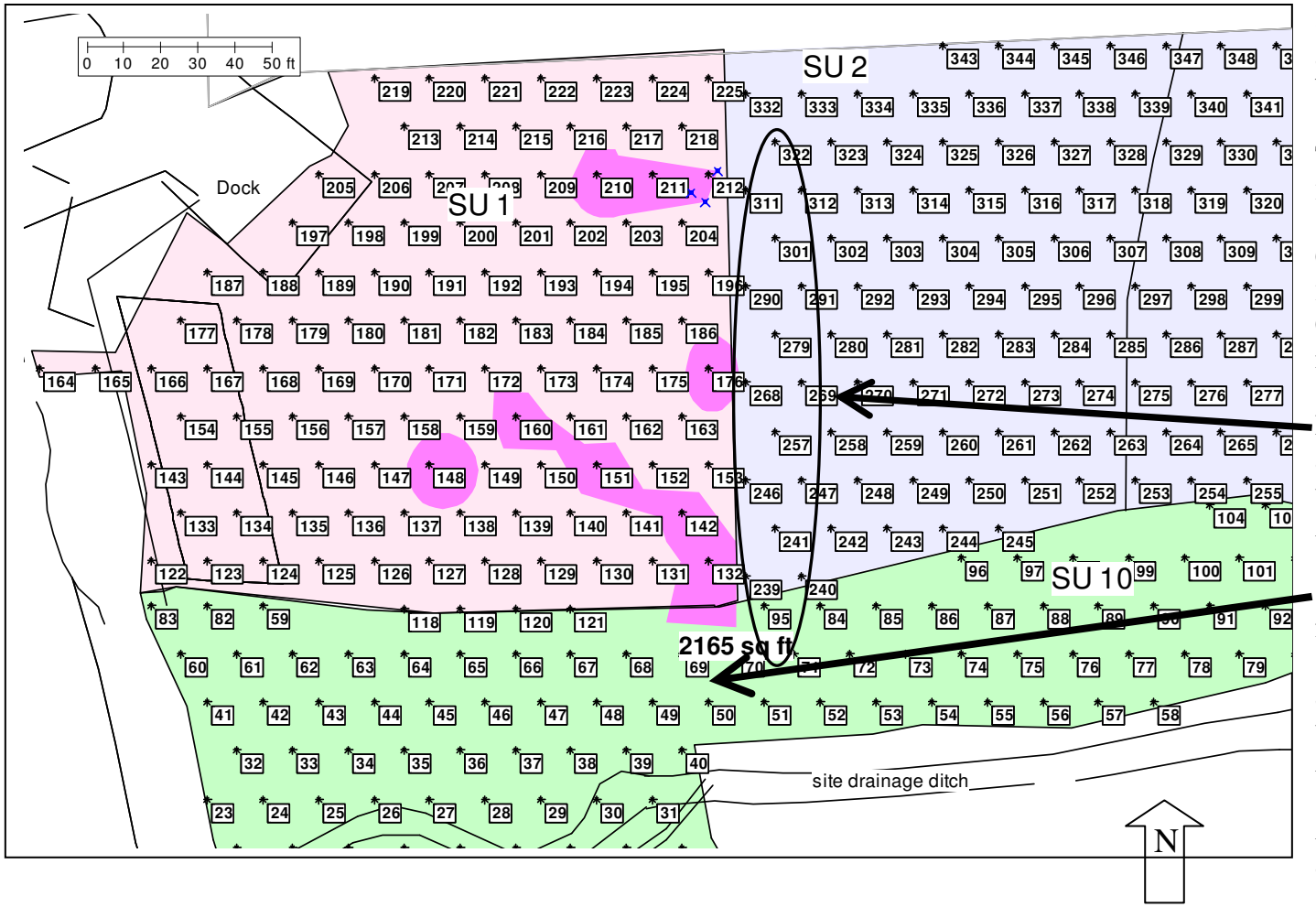


SU 1 Map Hot Spot Sampling

Sample numbers will be recorded as 4101-0XXXA-HO

Only XXX shown for simplicity

B.11



SU 1 Hot Spots to be re-excavated and re-sampled are highlighted in bright pink.

Total area re-excavated was approx. 2165 sq ft.

Chased radionuclides Th-230, Th-232, U-233, Pu-238 greater than Cleanup Objectives in the locations noted in darker pink.

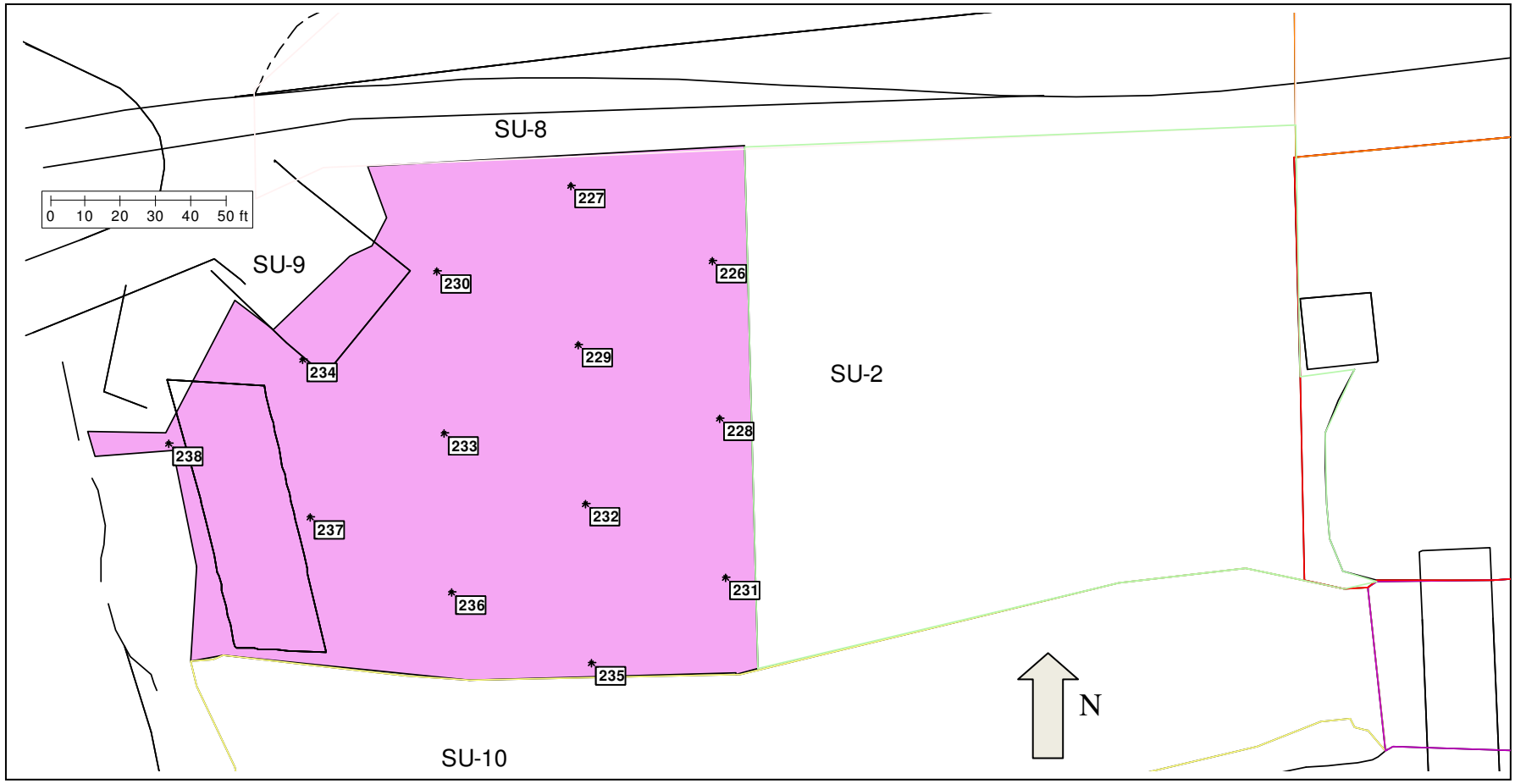
Bounding samples in SU 2 were analyzed via iso-thorium and iso-uranium and reported in SU2 Attachment C.

SU 10 is topographically bounded from SU1 by a cliff. Judgmental samples were collected in SU10, analyzed via iso-thorium and iso-uranium and are reported in SU10 Attachment C.

All bounding samples are <CO for all analytes.

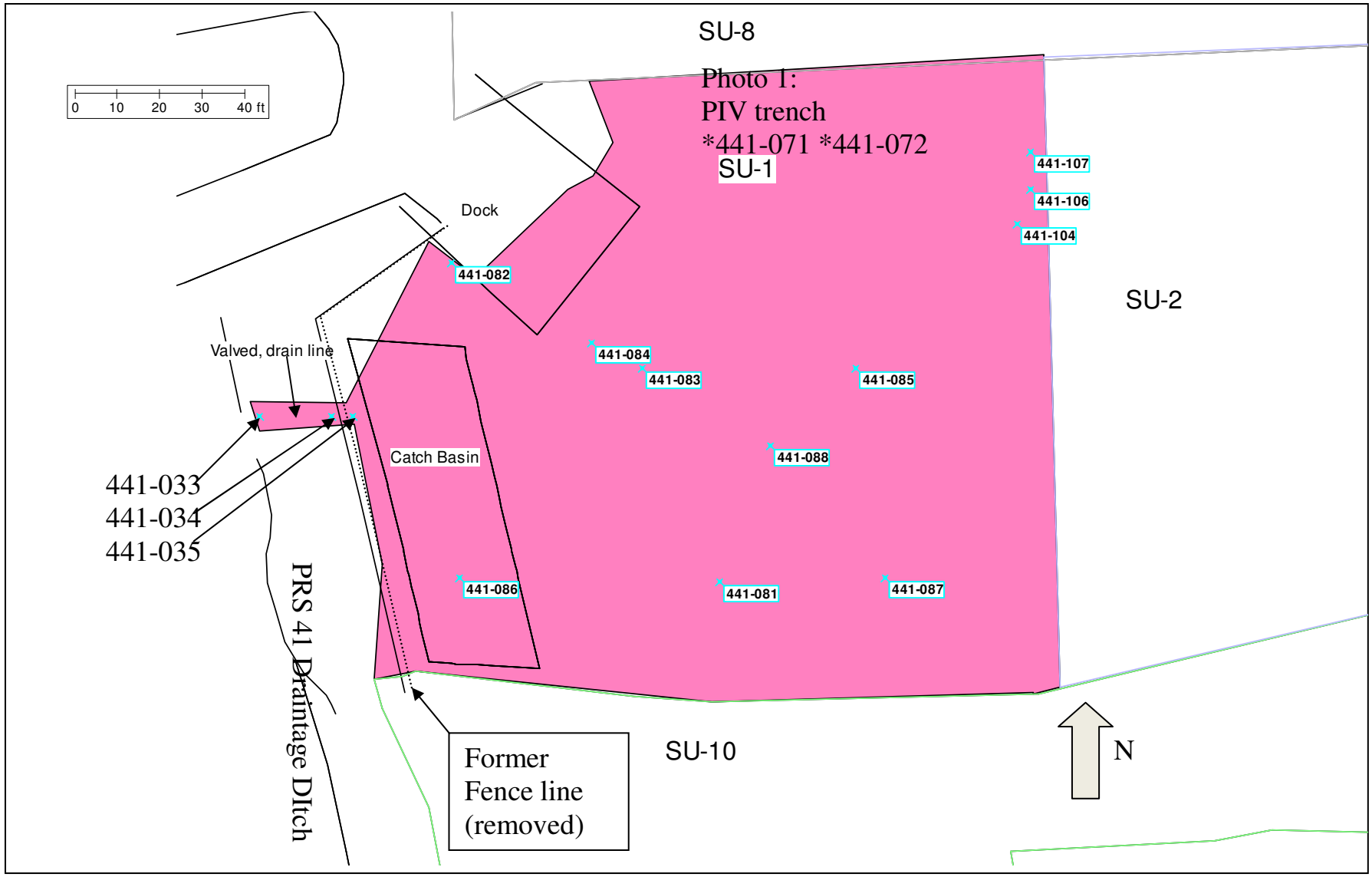
SU1 Hot Spot removal locations

Dark pink areas were re-excavated due to elevated hot spot sample results exceeding the cleanup objective criteria. After removal the locations were re-sampled and are reported in Attachment C



SU 1 Map MARSSIM Sampling

Sample numbers will be recorded as 4101-0XXXA-FO
Only XXX shown for simplicity



SU 1 Map of Judgmental Sample Locations
Sample numbers will be recorded as shown above

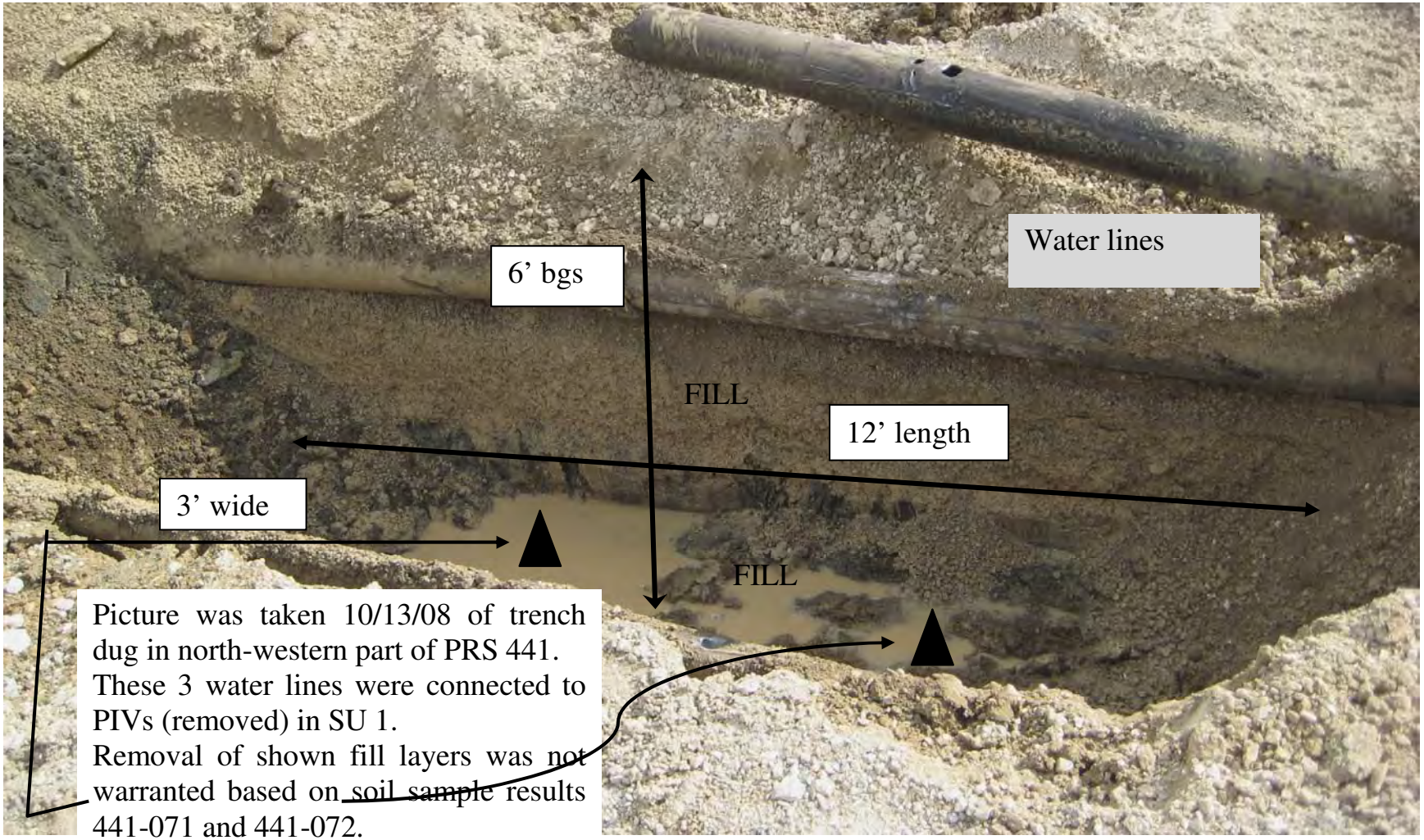
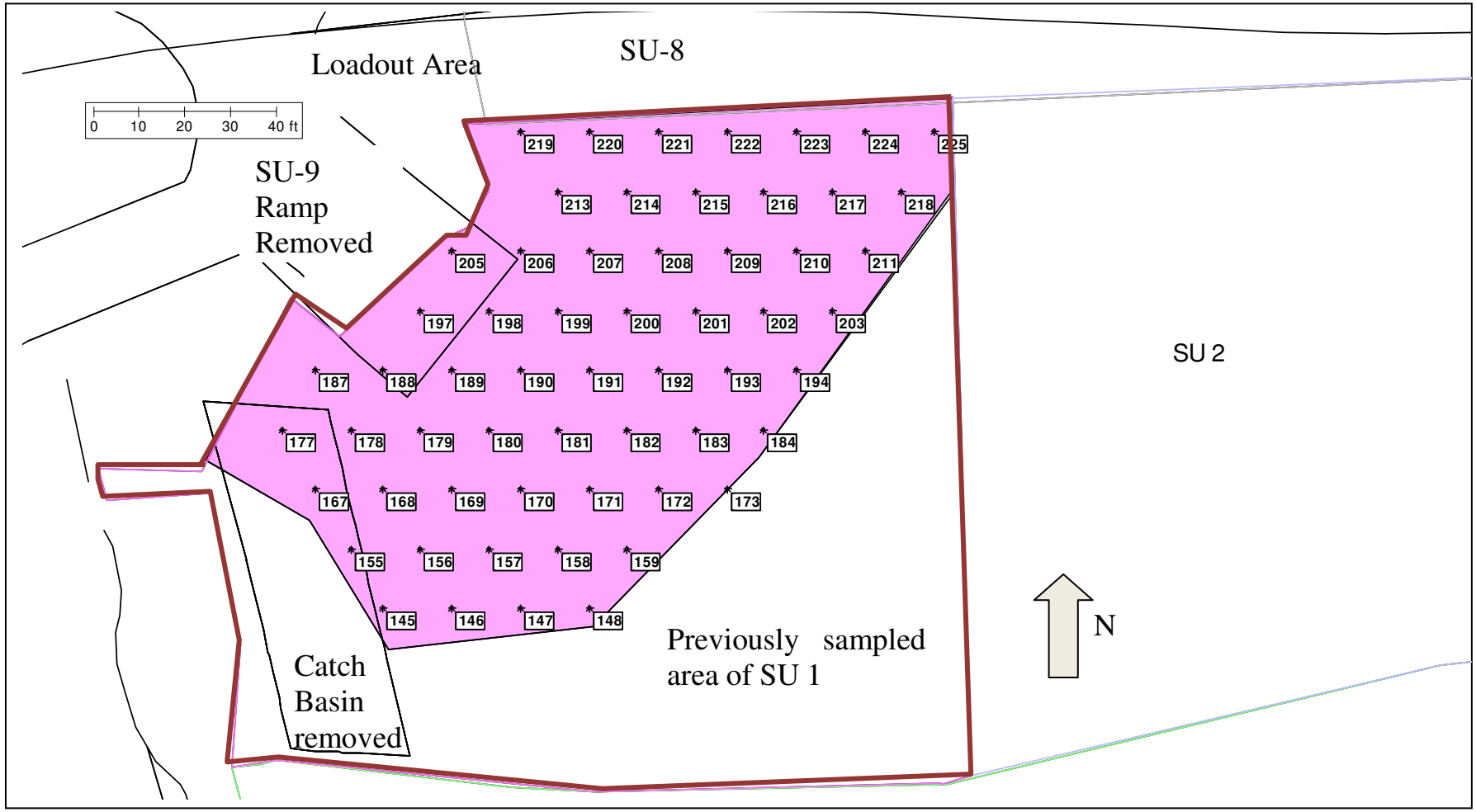


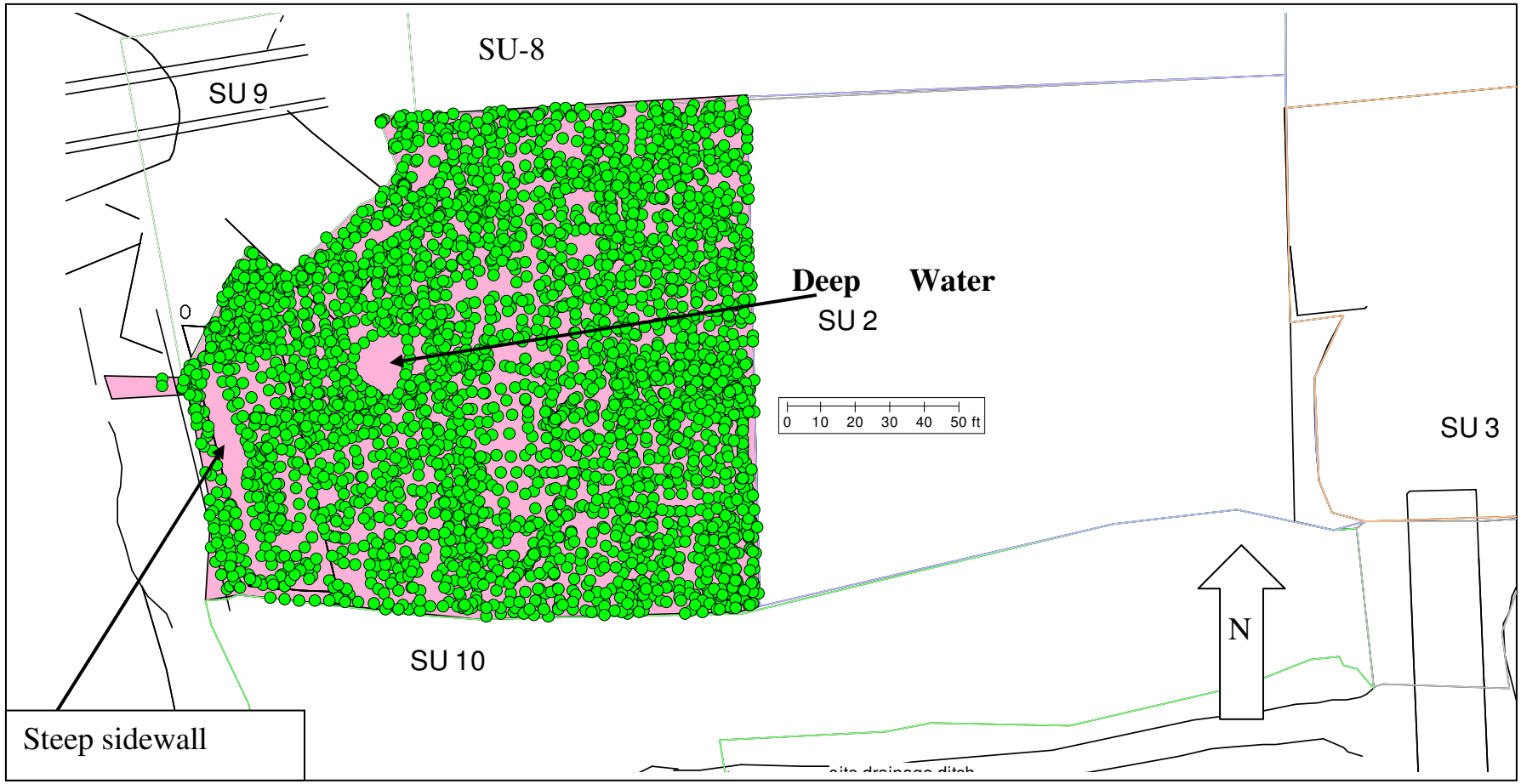
Photo 1: Judgmental Sample Locations of native layer under the fill around the Post Indicator Valves (PIVs).



SU 1 Map of Storage Area and Resampled Hot Spot Sample Locations

Sample numbers will be recorded as 4101-0###A-HO
Only ### shown for simplicity

B.16



SU 1 2X2 Walk over
Coverage Map
No detectable activity found.

No audible increases were noted in the field.

B.17

SU1 Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

n =	3558
Min =	3925
Max =	13254
Range =	9329
Mean =	7532.3
Median =	7362
Variance =	2.3101e+006
Std Dev =	1519.9
Std Error =	25.481
Interquartile Range =	2022.3
Skewness =	0.46443

Percentiles:

1%:	4721
5%:	5245.8
10%:	5655
25%:	6449.8
50%:	7362
75%:	8472
90%:	9726
95%:	10309
99%:	11318

Walsh's Outlier Test

Suspected Outliers: 1

Significance Level: 5%

Walsh's Test did not conclude that either the smallest or the largest 1 values are outliers at the 5% significance level. Change the number of suspected outliers to detect more or fewer outliers.

With a sample size of 3558, Walsh's Test achieves a significance level of 5%.

Note: Data should not be excluded from analysis solely on the basis of this test.

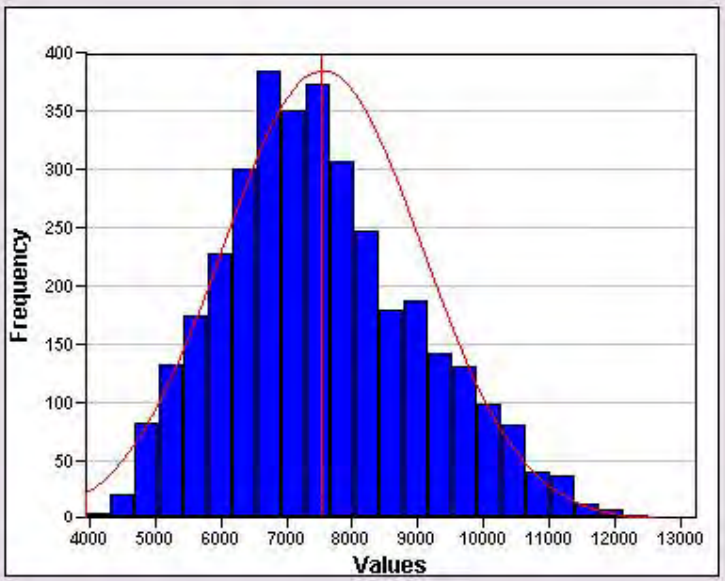
OK | Cancel | Apply | Help

Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

Histogram



OK | Cancel | Apply | Help

All readings were within the norm (none >4 sigma) and no audible increases were noted in the field.

B.18

RADIOLOGICAL SURVEY DATA SHEET

Page 1 of 2

LOCATION: (QU-1/RAIL SPUR/OTHER) 441 - SU-1	SURVEY #: 09-Rail-0277
PURPOSE: Fidler walkover of SU-1 (Final Verification)	RWP #: N/A
	DATE: 6/17/09 & 6/18/09
	TIME: 0930

MAP/DRAWING

See Attached Map

100% fidler walkover scan was performed over accessible areas to identify detectable hotspots

No increase in count rate detected.

COPY

LEGEND: K = factor of 1000 | △ = Soil Sample Location | - - - - - = Radiological Boundary | (#) = Smear Number

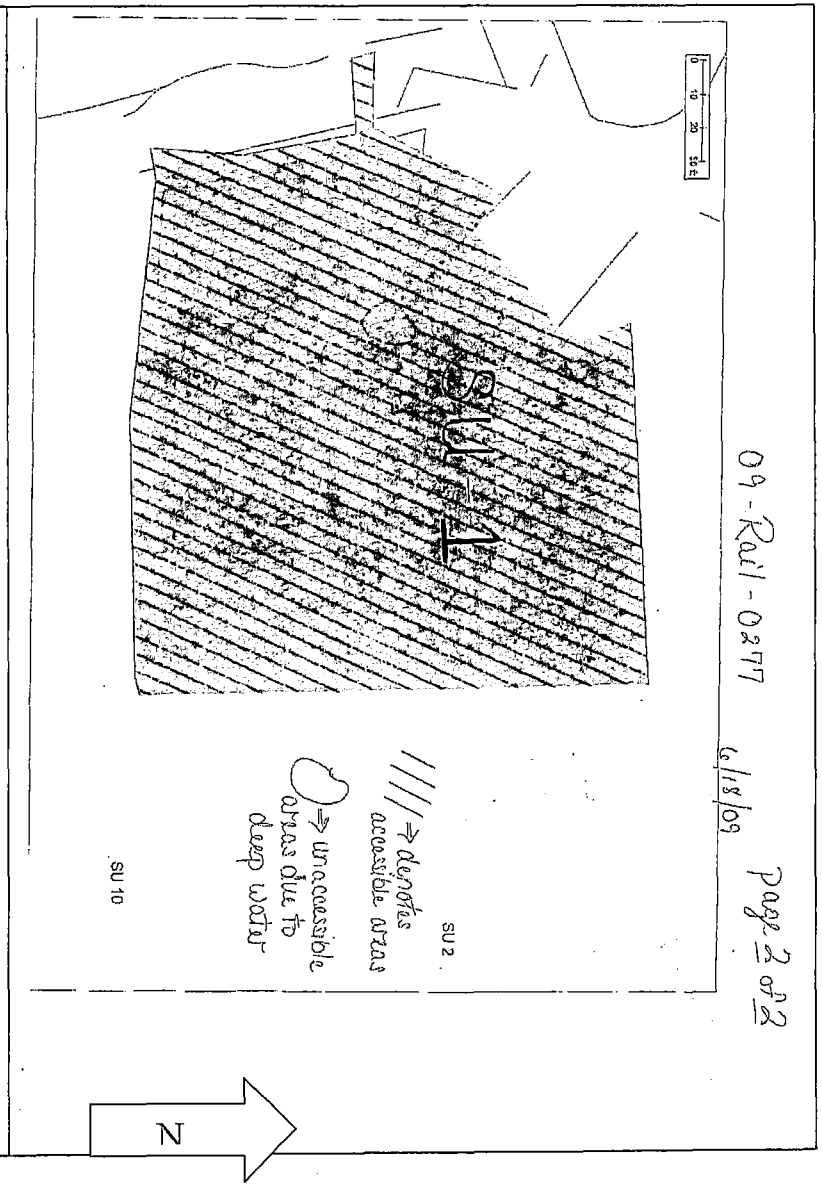
(#/α) or β = Direct Contamination Measurement in DPM / 100 cm² | [#] = air Sample Number / Location

INSTRUMENTS USED

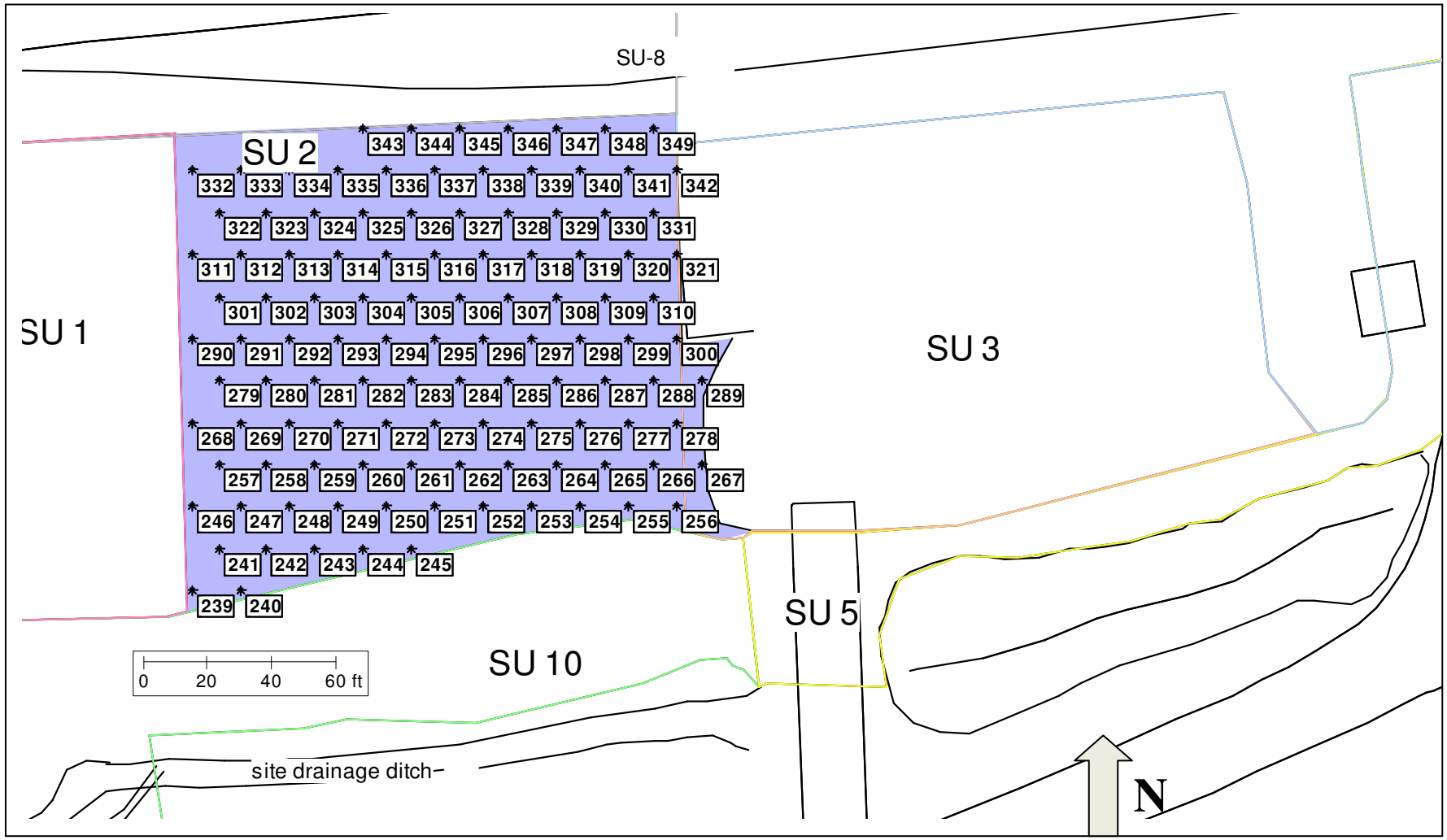
Instrument	Serial Number	Cal. Due Date
Fidler	3998	1/2/10
2221	126535	1/2/10

Completed by: (Signature) Shannon M. Collins	Date: 6/18/09
Completed by: (Print Name) Shannon M. Collins	
Counted by: (Signature)	Date:
Counted by: (Print Name)	
Approved by: (Signature) Lonnie Gerbig	Date: 6-18-09
Approved by (Print Name) Lonnie Gerbig	

ML-9620A



SU 2 Verification and Backfill Information

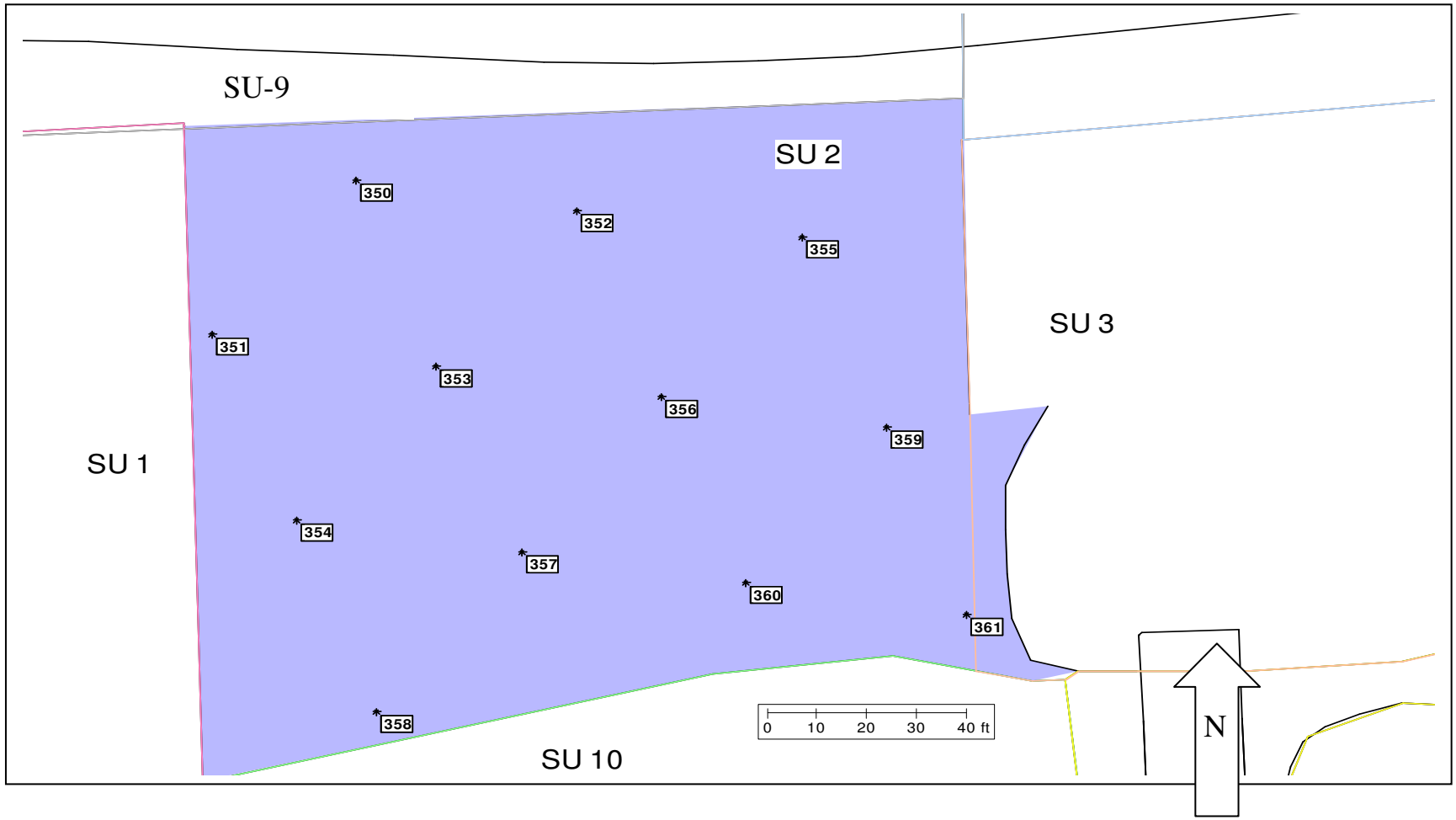


SU 2 Map Hot Spot Sampling

Sample numbers will be recorded as 4102-0XXXA-HO

Only XXX shown for simplicity

B.21

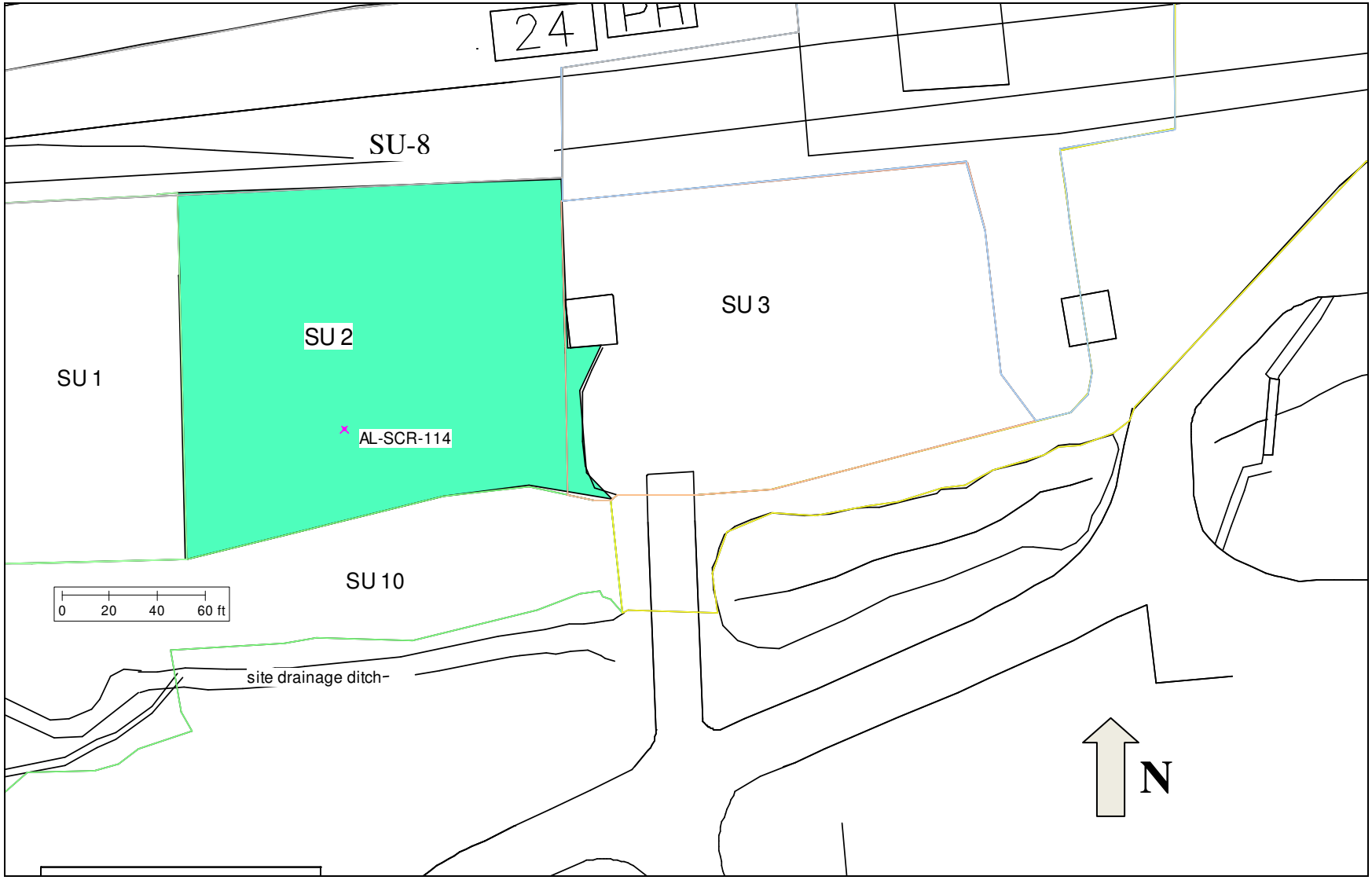


SU 2 Map MARSSIM Sampling

Sample numbers will be recorded as 4102-0XXXA-FO

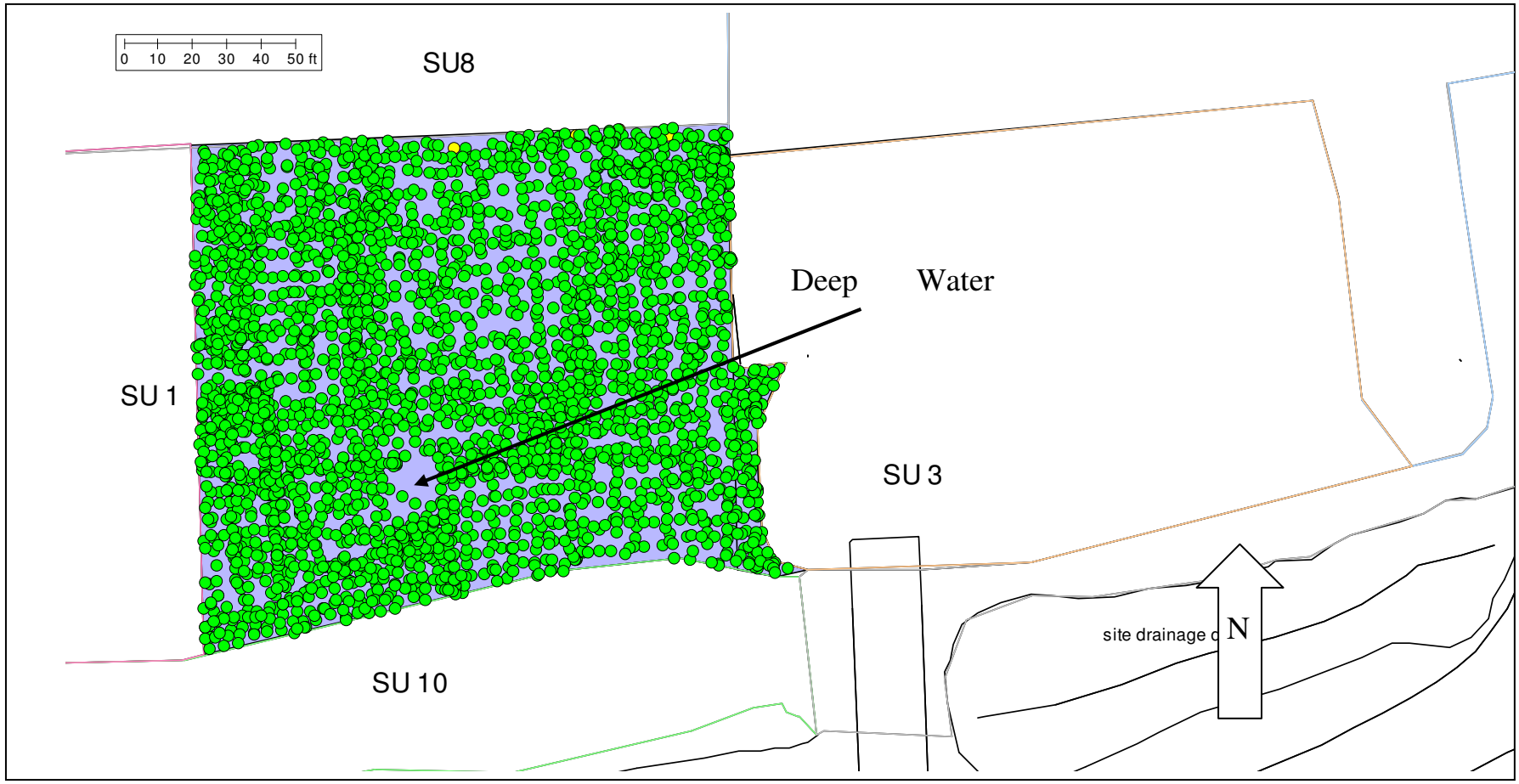
Only XXX shown for simplicity

B.22



SU 2 Map of Bias Sample Location
Sample number will be recorded as shown above

B.23



SU 2 2X2 Walk over
Coverage Map
No detectable activity found.

No audible increases were noted in the field.

B.24

SU 2 Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

n =	3178
Min =	4362
Max =	11618
Range =	7256
Mean =	7057.8
Median =	6934
Variance =	1.1671e+006
Std Dev =	1080.3
Std Error =	19.163
Interquartile Range =	1405.3
Skewness =	0.56951

Percentiles:	
1%:	4937.7
5%:	5491.9
10%:	5789.7
25%:	6310
50%:	6934
75%:	7715.3
90%:	8584
95%:	8983
99%:	10108

Walsh's Outlier Test

Suspected Outliers: 1

Significance Level: 5%

Walsh's Test did not conclude that either the smallest or the largest 1 values are outliers at the 5% significance level. Change the number of suspected outliers to detect more or fewer outliers.

With a sample size of 3178, Walsh's Test achieves a significance level of 5%.

Note: Data should not be excluded from analysis solely on the basis of this test.

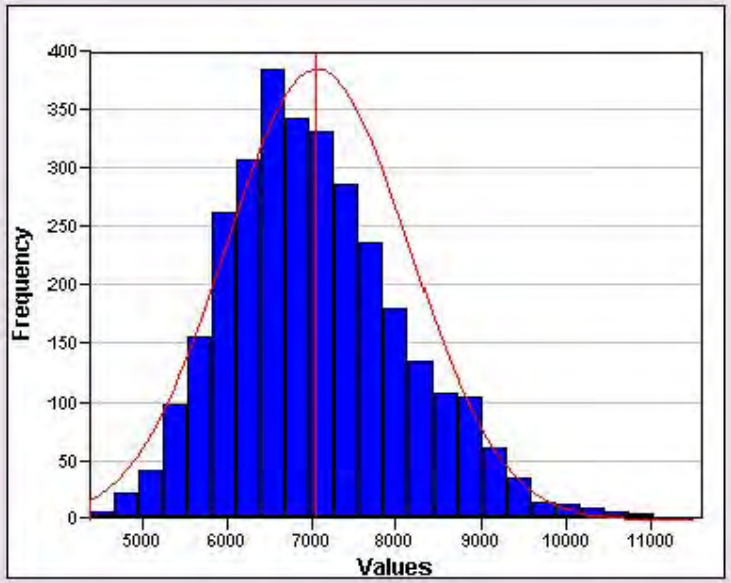
OK | Cancel | Apply | Help

Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

Histogram



B.25

OK | Cancel | Apply | Help

No audible increases were noted in the field. The 4 sigma for this data set is 11396 cpm. There were two readings >4sigma. They were 11618 and 11483 cpm (B.25 and in yellow on the above Figure). All other data are <4 sigma. The location of the highest elevated reading is at Hot Spot sample location 4102-0348A-HO with results <CO for all analytes. They are not adjacent, nor are there any clusters.

RADIOLOGICAL SURVEY DATA SHEET

Page 1 of 2

LOCATION: (OU-1/RAIL SPUR/OTHER) PRS-441 / SU-2	SURVEY #: 09-Rail-0245
PURPOSE: Final Verification	RWP #: N/A
	DATE: 5/21/09
	TIME: 1330

MAP/DRAWING

100% fidler walkover scan was performed over accessible areas to identify detectable hotspot locations.

No increase in count rate detected.

COPY

See attached map

LEGEND: K = factor of 1000 | △ = Soil Sample Location | - - - - - = Radiological Boundary | (#) = Smear Number

α or β = Direct Contamination Measurement in DPM / 100 cm² | # = air Sample Number / Location

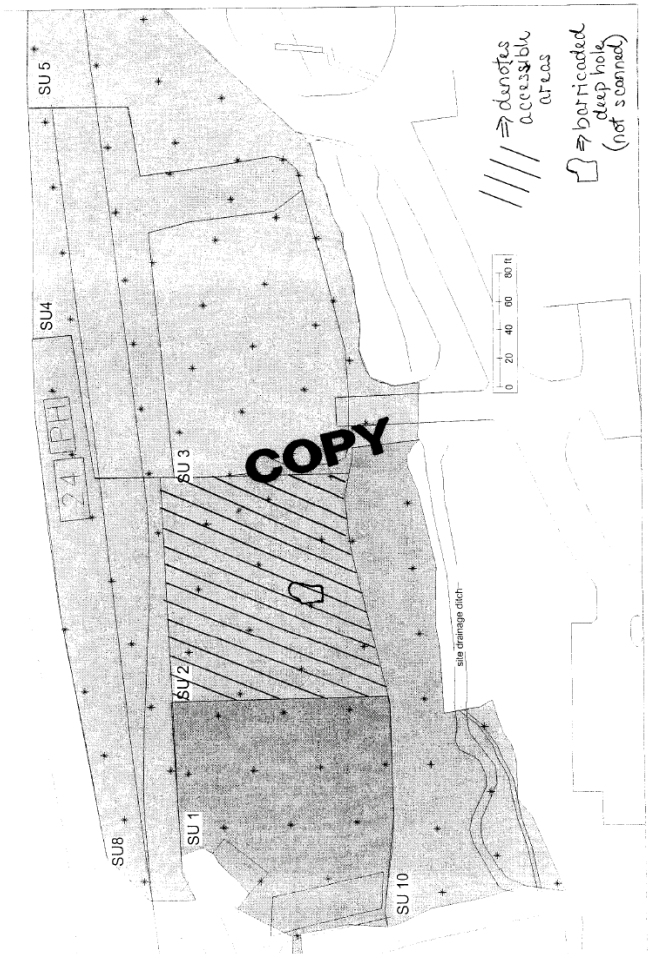
INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Fidler/2221	3998/126535	1/2/10
A		
N		

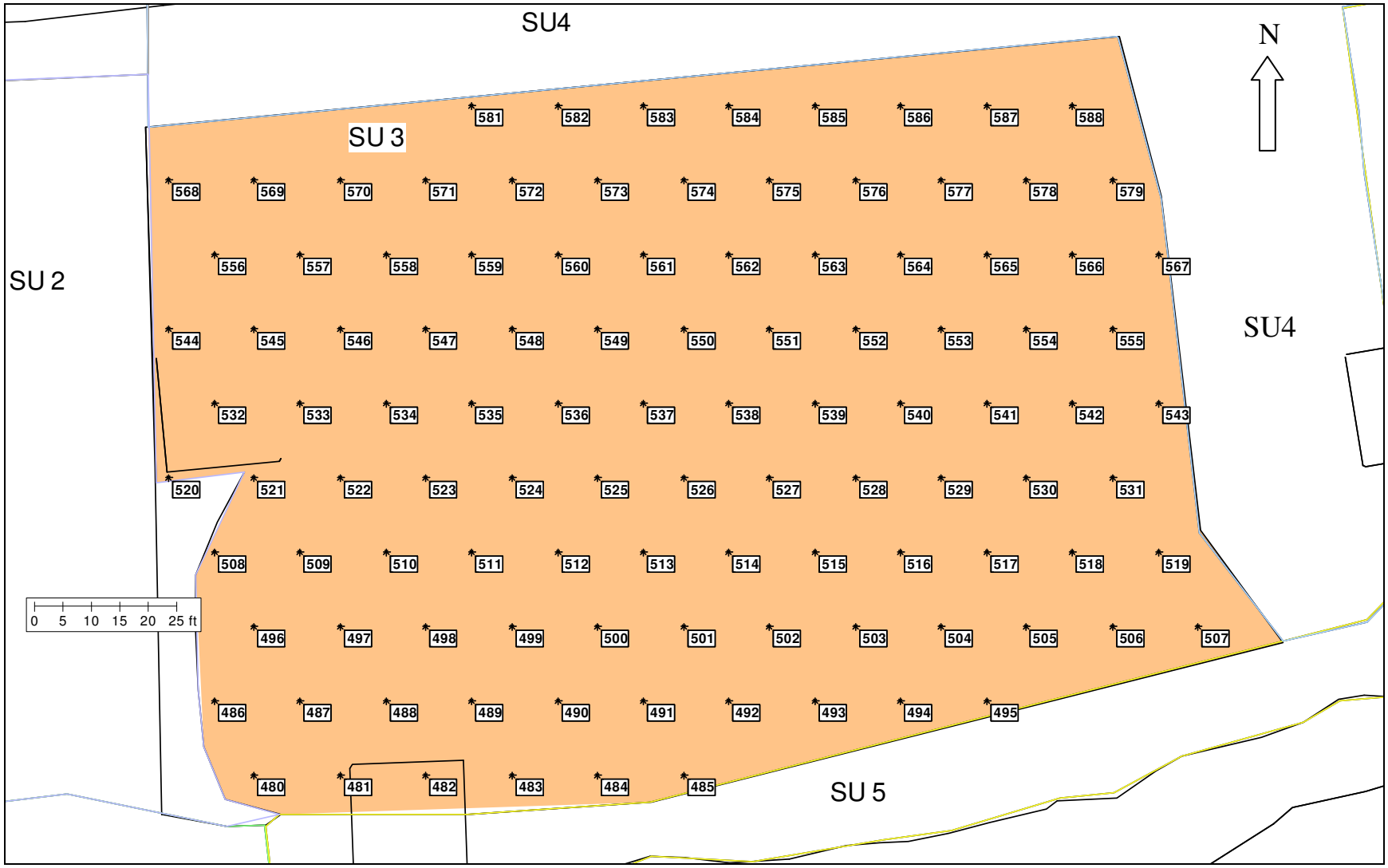
Completed by: (Signature) Jamie M. Collins	Date: 5/26/09
Completed by: (Print Name) Jamie M. Collins	
Counted by: (Signature) A	Date:
Counted by: (Print Name) N	
Approved by: (Signature) Connie Gerbig	Date: 5/26/09
Approved by (Print Name) Connie Gerbig	

page 2 of 2

09-Rail-0245



SU 3 Verification and Backfill Information

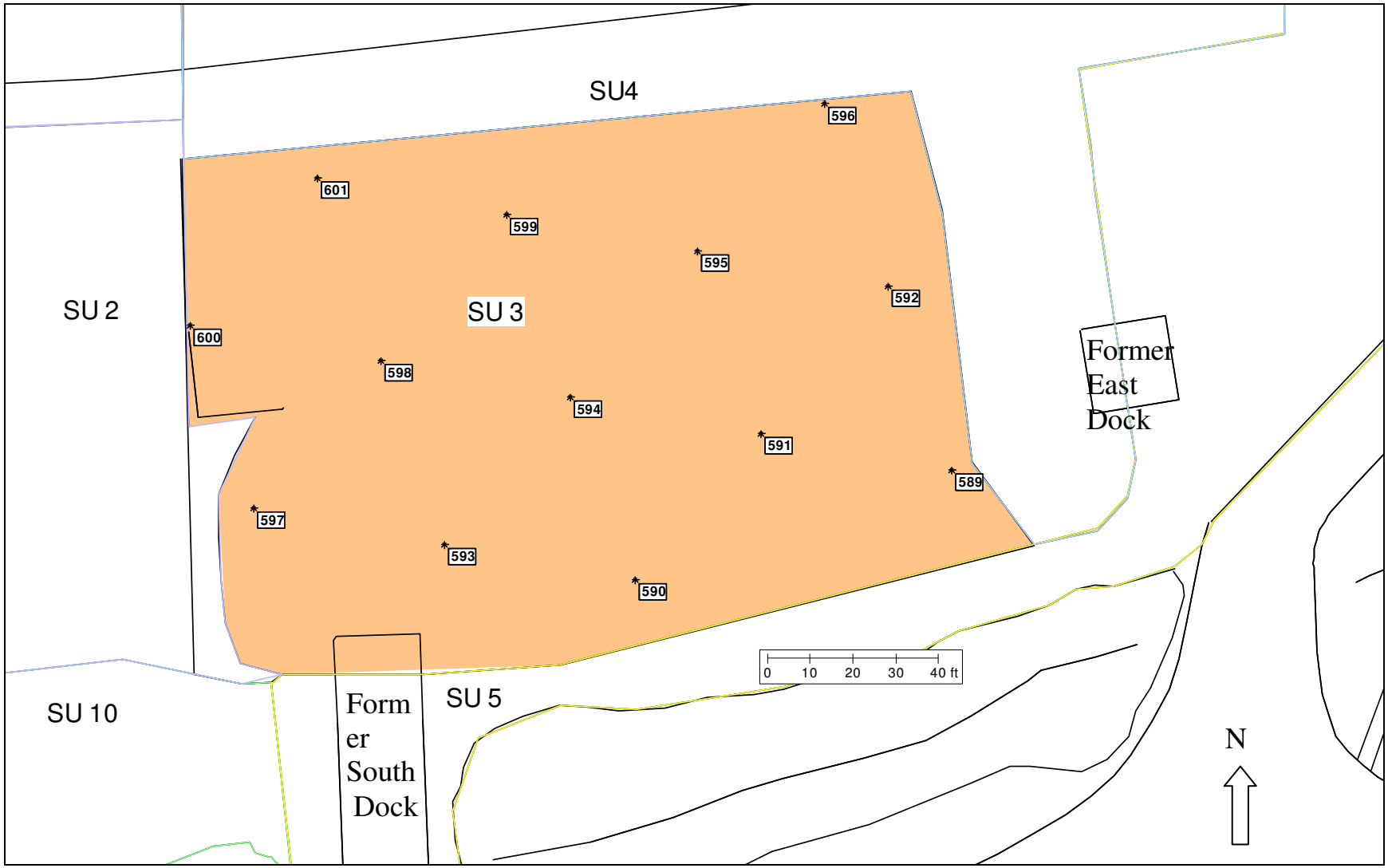


SU 3 Map Hot Spot Sampling

Sample numbers will be recorded as 4103-0XXXA-HO

Only XXX shown for simplicity

B.28



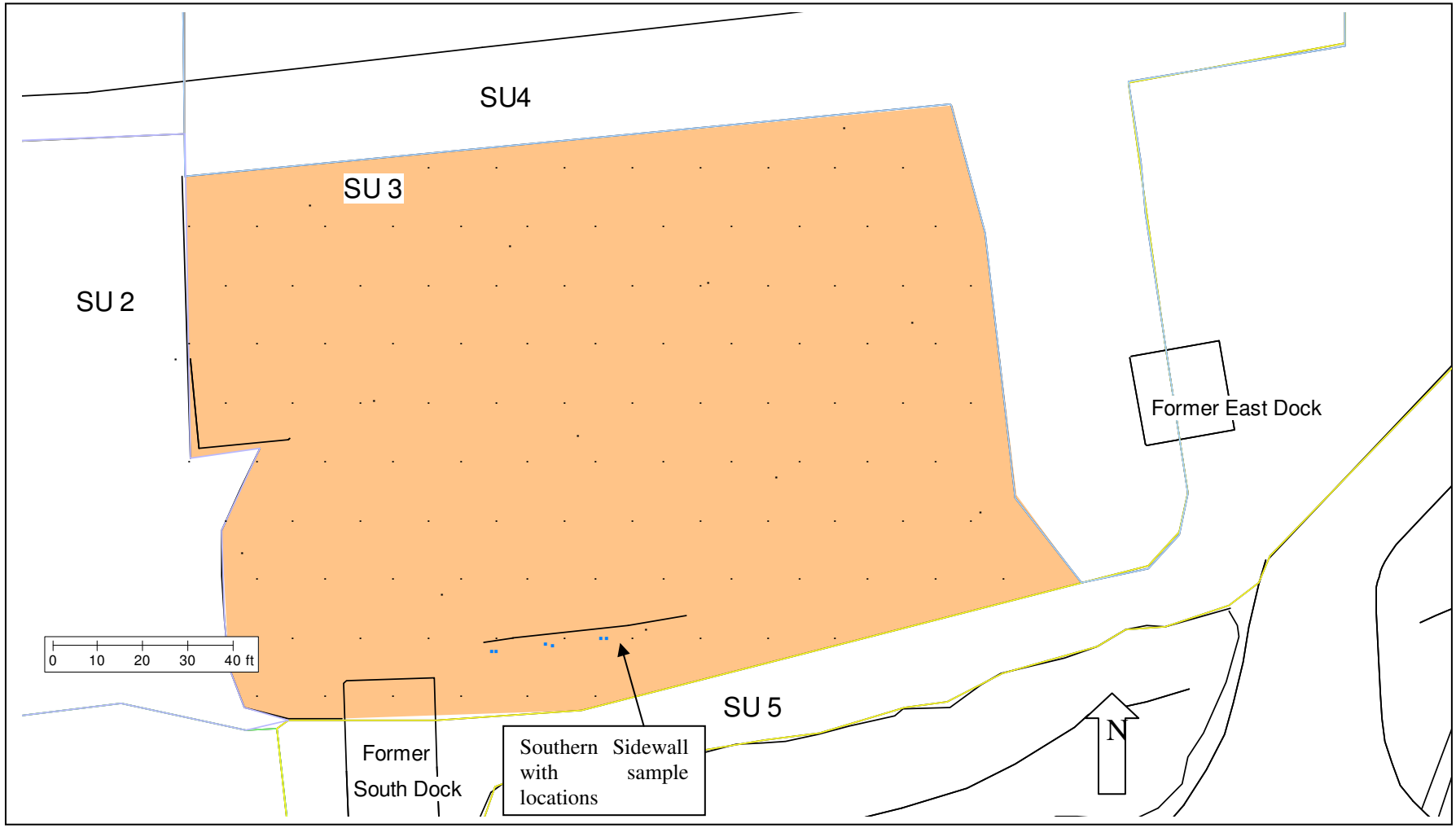
SU 3 Map MARSSIM Sampling

Sample numbers will be recorded as 4103-0XXXA-FO

Only XXX shown for simplicity

Photo 1: Southern sidewall of SU 3

Old waste storage pit at rail spur post-ex excavation, facing south and Bldg 87. Enclosed area shows 2 layers of asphalt with fill between, below and above. This was not removed due to the proximity of the active sanitary line and no detectable contamination found. The fill was sampled above, below and between (as shown on page B.31).



SU 3 Map showing all sample locations

X Judgmental sample locations

• Hot spot sample locations

◆ MARSSIM sample locations

RADIOLOGICAL SURVEY DATA SHEET

Page 1 of 3

LOCATION: (OU/RAIL SPUR/OTHER) SU-3 & SU-5	SURVEY #: 09-Rail-0217
PURPOSE: Unconditional Release Survey of Asphalt (4103-0494A-HO, 4105-0363A-HO)	RWP #: N/A
	DATE: 5/5/09
	TIME: 1330

MAP/DRAWING

See attached map (pg. 2)

COPY

2360 Bkgd
2.2 cpm α
257 cpm β⁻

LEGEND: 1 = linear of 1000 | △ = Soil Sample Location | - - - - = Radiological Boundary | (#) = Smear Number

(α/β) = Direct Contamination Measurement in DPM / 100 cm² | [#] = air Sample Number / Location

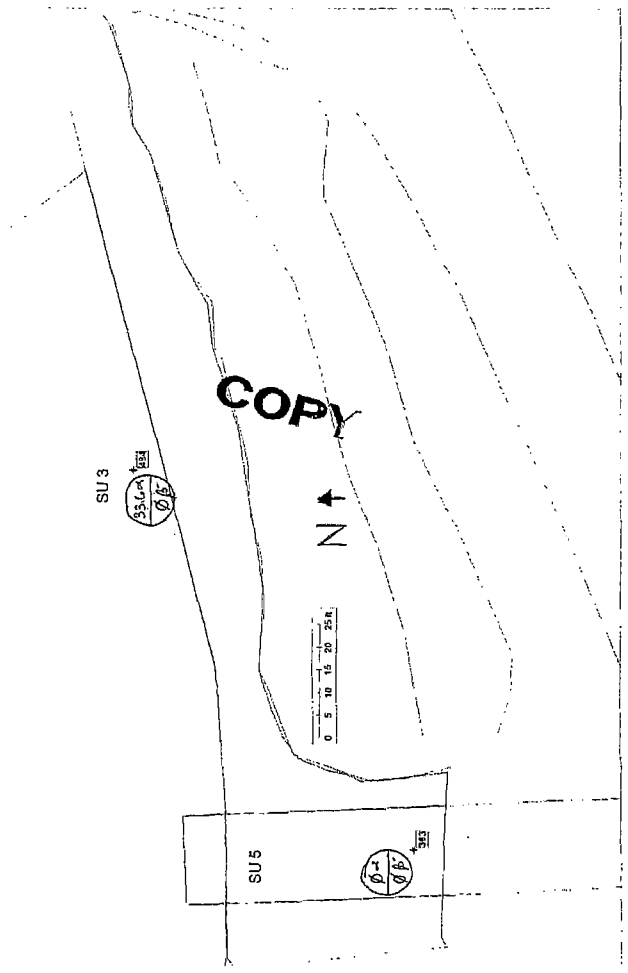
INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
2360-89	5703/5733	1-2-10
3030	5814	3-20-10
	N/A	

Completed by: (Signature) Jamie M. Collins	Date: 5/5/09
Completed by: (Print Name) Jamie M. Collins	
Counted by: (Signature) Jamie M. Collins	Date: 5/5/09
Counted by: (Print Name) Jamie M. Collins	
Approved by: (Signature) Connie Smith	Date: 050709
Approved by: (Print Name) Connie Smith	

MI 962GA

09-Rail-0217



Survey No. 09-Rail-0217

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination Swipes (dpm/100cm²)				Removable Contamination Swipes (dpm/100cm²)			
Sample #	α	β/γ	Comments	Sample#	α	β/γ	Comments
1	Ø	26	4103-0494A-HO				
2	Ø	29	4105-0363A-HO				

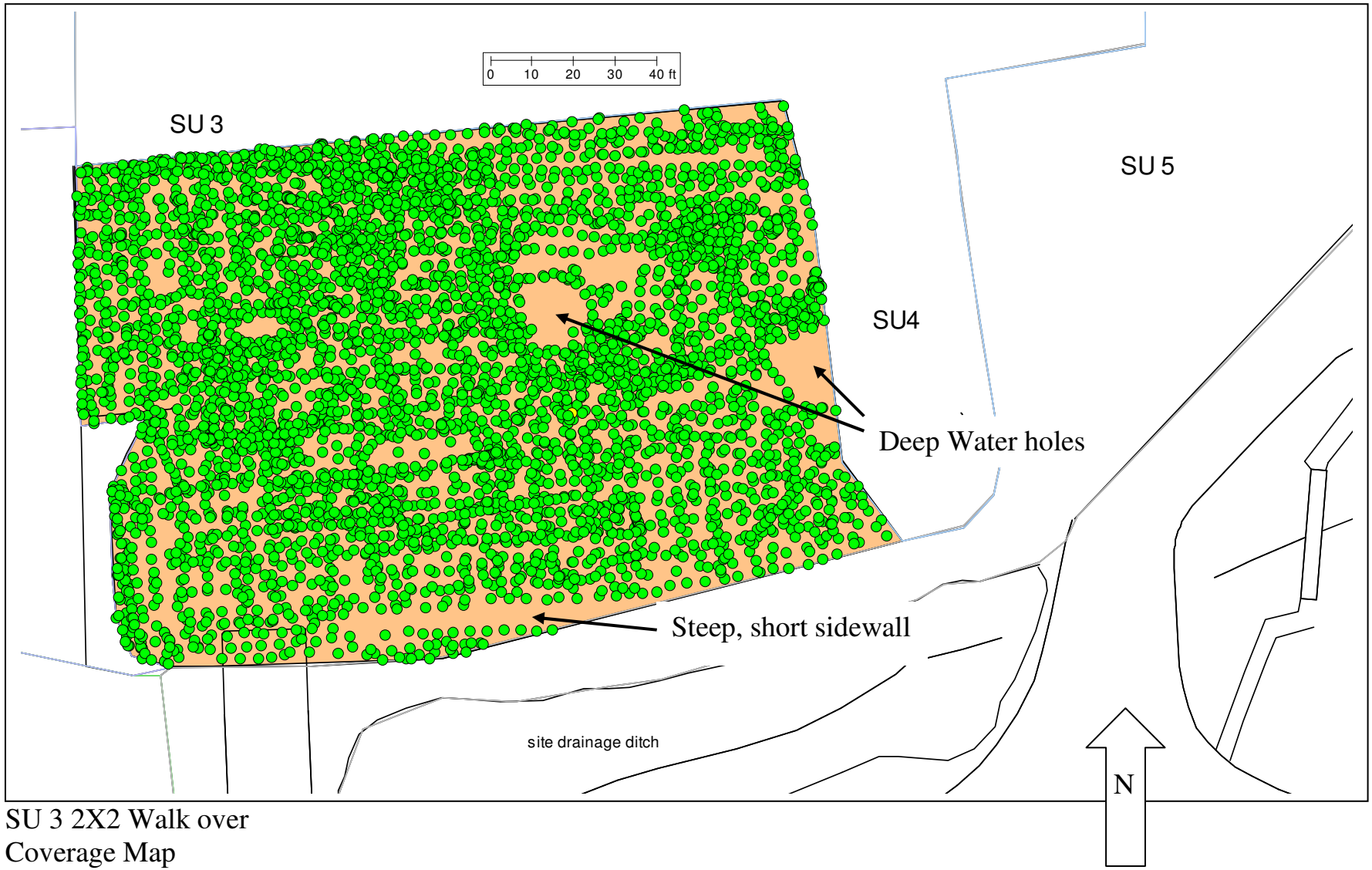
NFE

NFE

COPY

COMMENTS: 3 smear and direct taken on asphalt in lieu of soil sample.

N.F.E. ⇒ No Further Entries



SU 3 2X2 Walk over
Coverage Map
No detectable activity found.

No audible increases were noted in the field.

SU 3 Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

n =	4795
Min =	4901
Max =	13567
Range =	8666
Mean =	8844.7
Median =	8881
Variance =	1.563e+006
Std Dev =	1250.2
Std Error =	18.054
Interquartile Range =	1569
Skewness =	-0.23465

Percentiles:

1%:	5669.8
5%:	6516.8
10%:	7227.2
25%:	8101
50%:	8881
75%:	9670
90%:	10444
95%:	10843
99%:	11628

Walsh's Outlier Test

Suspected Outliers: 4

Walsh's test concluded with 5% confidence that the largest 4 values are outliers.

Significance Level: 5%

With a sample size of 4795, Walsh's Test achieves a significance level of 5%.

Note: Data should not be excluded from analysis solely on the basis of this test.

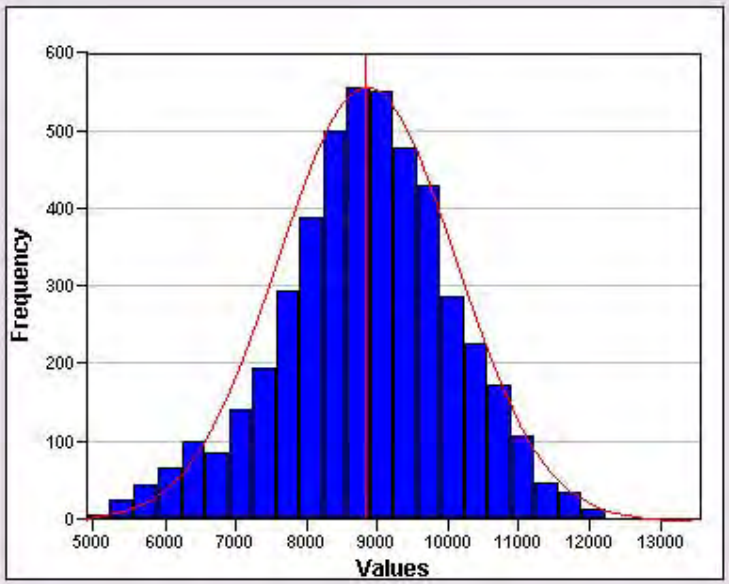
OK | Cancel | Apply | Help

Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

Histogram



OK | Cancel | Apply | Help

All readings were within the norm (none >4 sigma) and no audible increases were noted in the field.

RADIOLOGICAL SURVEY DATA SHEET

Page 1 of 2

LOCATION: (OU-1 RAIL SPUR OTHER) PRS-441 / SU-3 & 4	SURVEY #: 09-Rail-0243
PURPOSE: Final Verification	RWP #: N/A
	DATE: 5/13/09
	TIME: 1630

MAP/DRAWING

100% fidler walkover scan was performed over accessible areas to identify detectable hotspot locations.

No increase in count rate detected.

COPY

See attached map

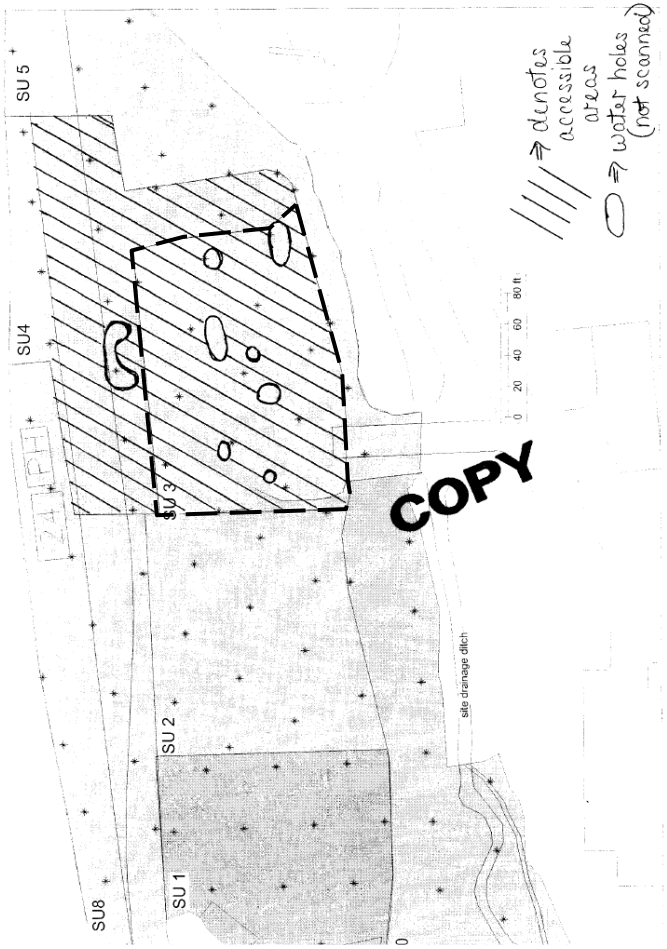
LEGEND: x = factor of 1000 | △ = Soil Sample Location | - - - - - = Radiological Boundary | (#) = Smear Number | α or β = Direct Contamination Measurement in DPM / 100 cm² | [#] = air Sample Number / Location

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Fidler/2221	3998/126535	1/2/10

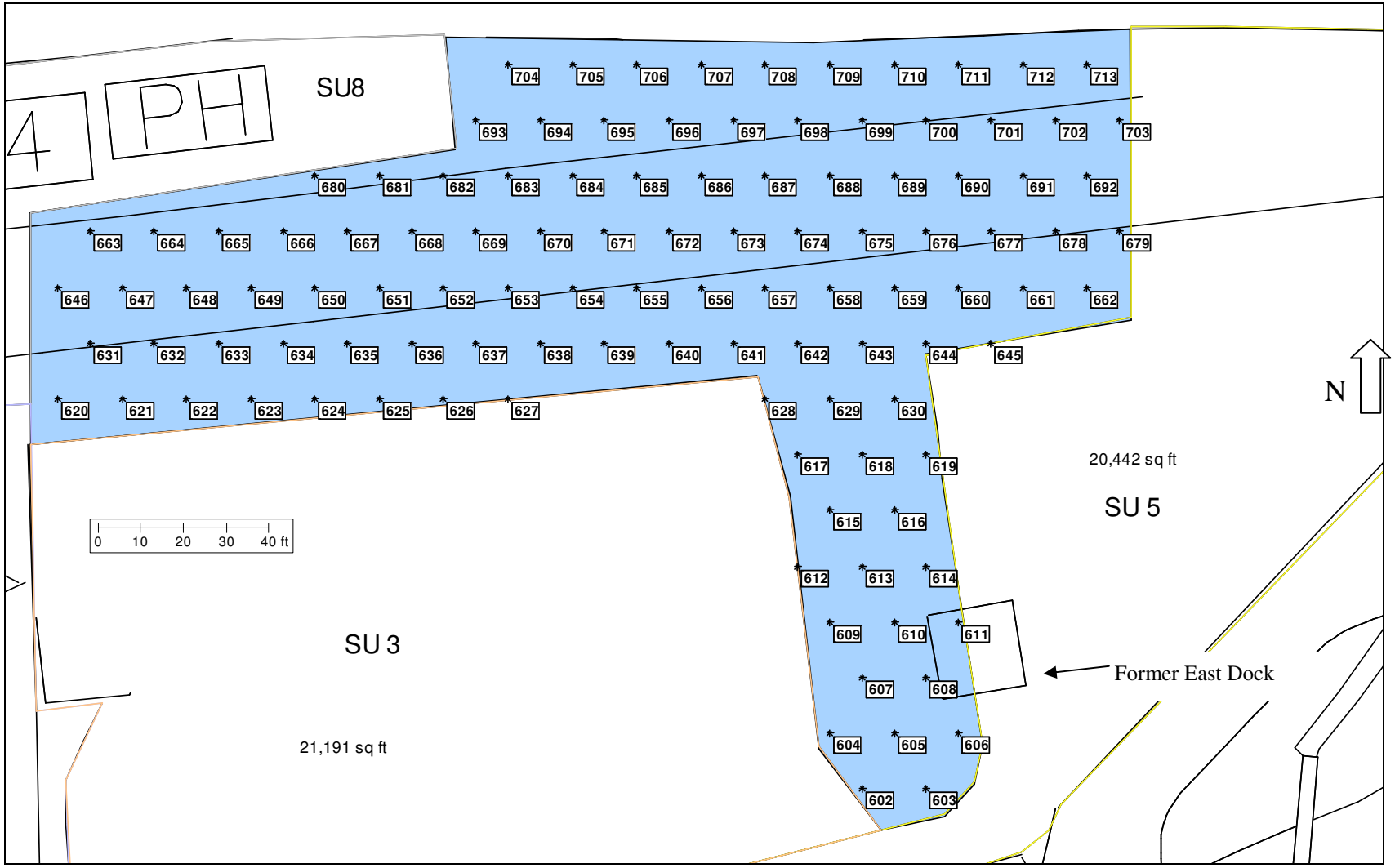
Completed by: (Signature) Jamie M. Collins	Date: 5/26/09
Completed by: (Print Name) Jamie M. Collins	
Counted by: (Signature)	Date:
Counted by: (Print Name)	
Approved by: (Signature) Connie Berbig	Date: 5/26/09
Approved by: (Print Name) Connie Berbig	

09-Rail-0243



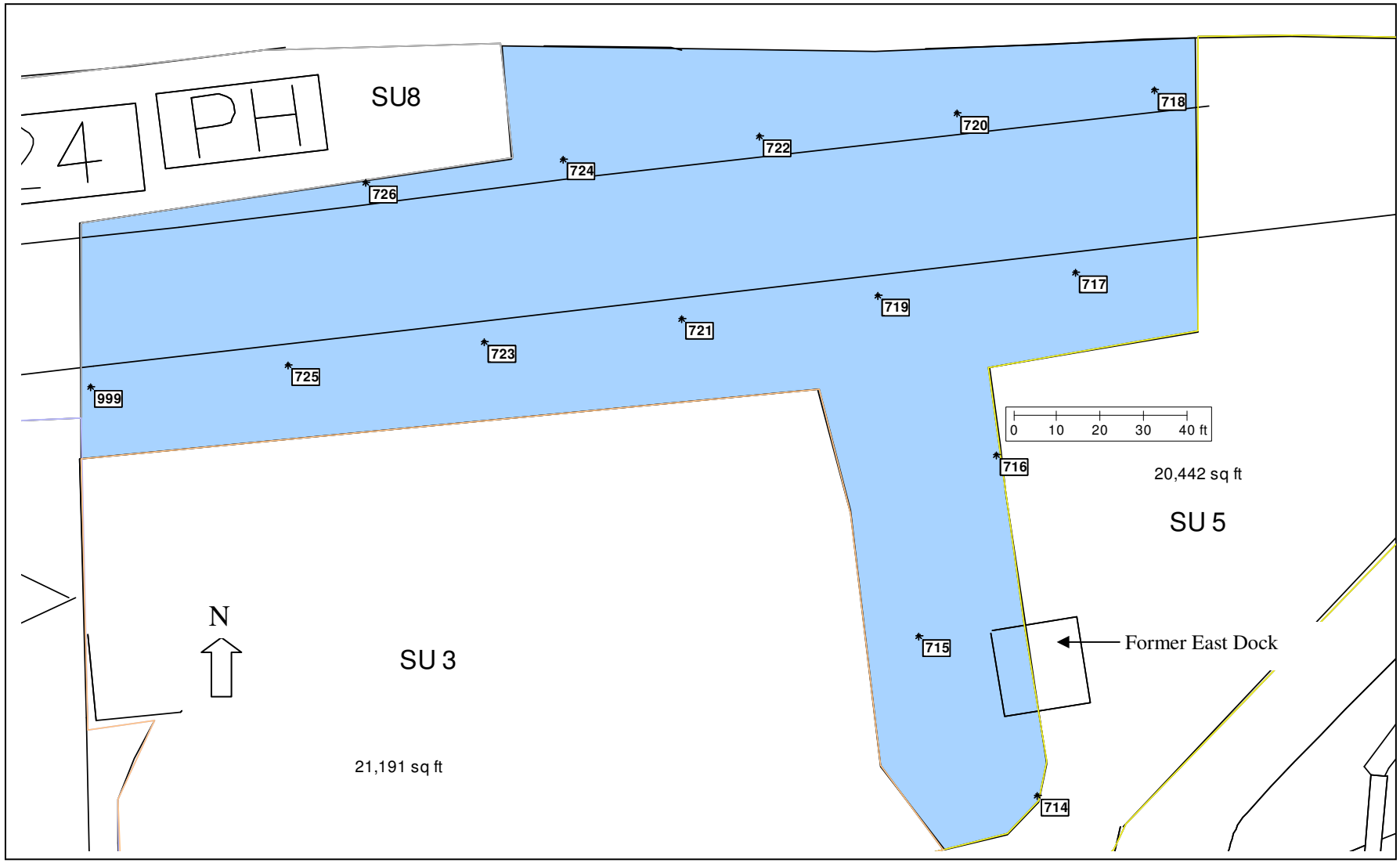
COPY

SU 4 Verification and Backfill Information



SU 4 Map Hot Spot Sampling

Sample numbers will be recorded as 4104-0XXXA-HO
Only XXX shown for simplicity

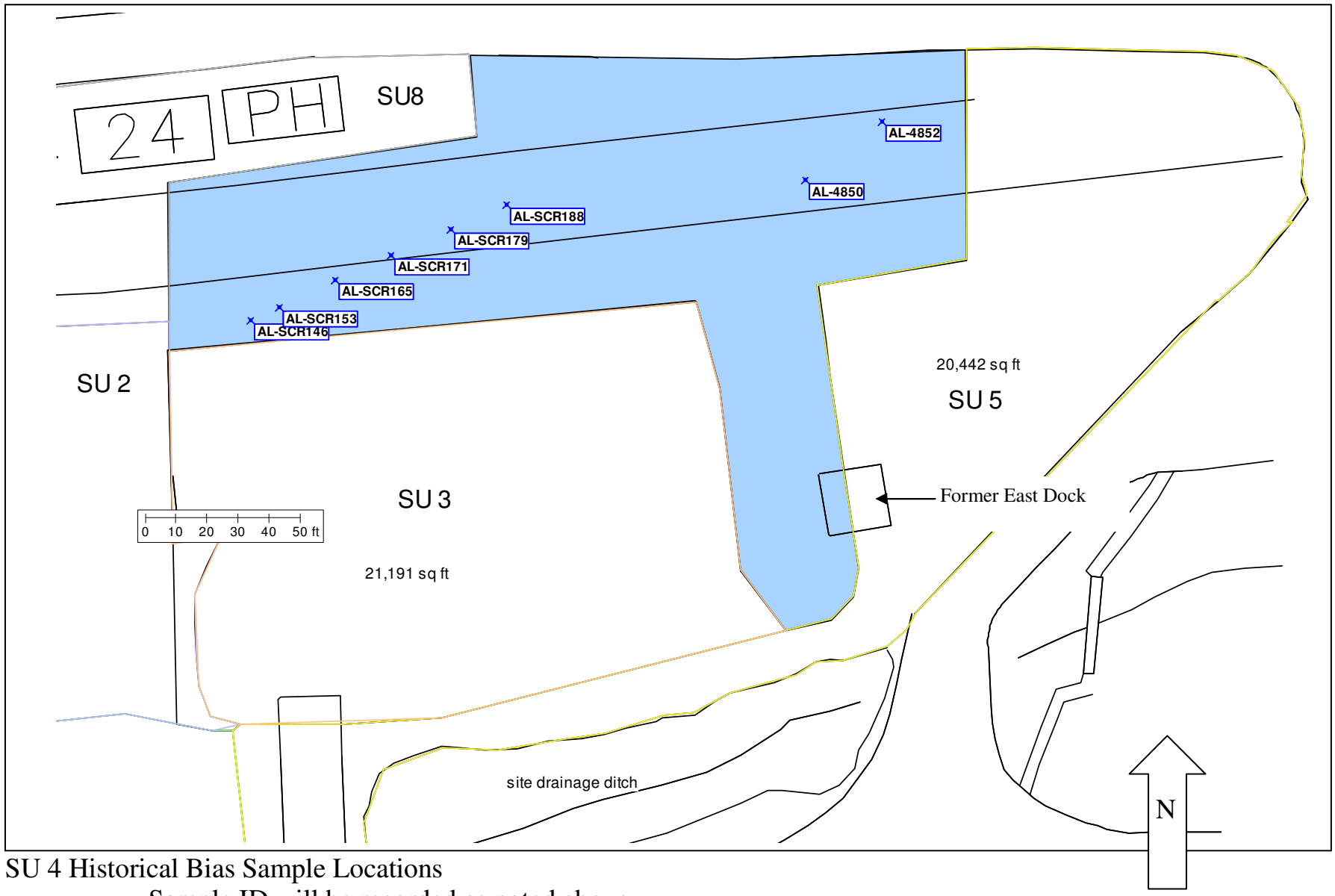


SU4 Map MARSSIM Sampling

Sample numbers will be recorded as 4104-0XXXA-FO

Only XXX shown for simplicity

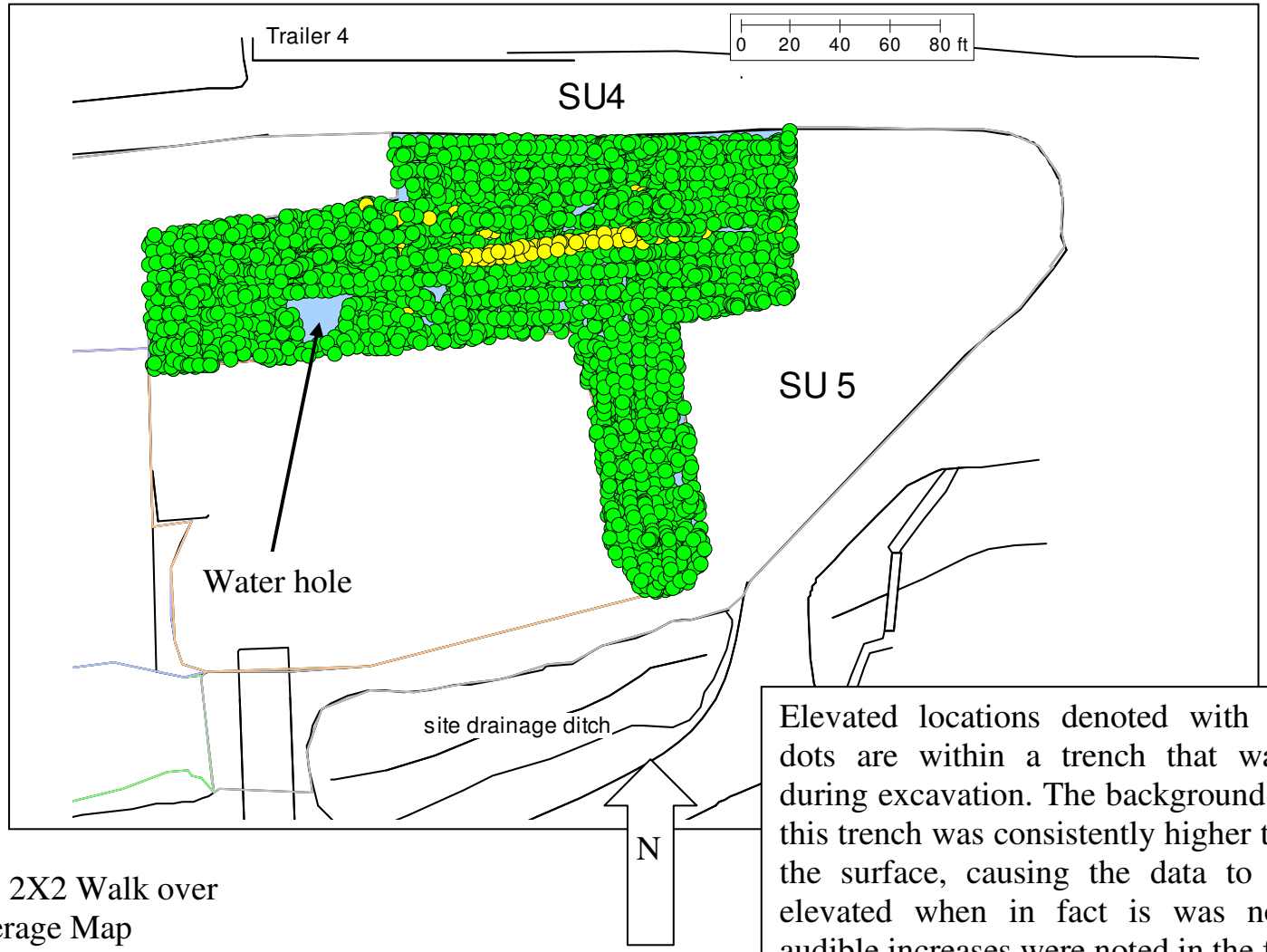
B.39



SU 4 Historical Bias Sample Locations

Sample ID will be recorded as noted above.

B.40



Elevated locations denoted with yellow dots are within a trench that was dug during excavation. The background within this trench was consistently higher than on the surface, causing the data to appear elevated when in fact is was not. No audible increases were noted in the field.

SU 4 2X2 Walk over
Coverage Map
No detectable activity found.

B.41

Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

n =	6175
Min =	2872
Max =	17795
Range =	14923
Mean =	7996.9
Median =	8475
Variance =	7.1777e+006
Std Dev =	2679.1
Std Error =	34.094
Interquartile Range =	5021
Skewness =	-0.028936

Percentiles:

1%:	3476.8
5%:	3971
10%:	4288
25%:	4941
50%:	8475
75%:	9962
90%:	11141
95%:	11899
99%:	13857

Walsh's Outlier Test

Suspected Outliers: 1

Significance Level: 5%

Walsh's Test did not conclude that either the smallest or the largest 1 values are outliers at the 5% significance level. Change the number of suspected outliers to detect more or fewer outliers.

With a sample size of 6175, Walsh's Test achieves a significance level of 5%.

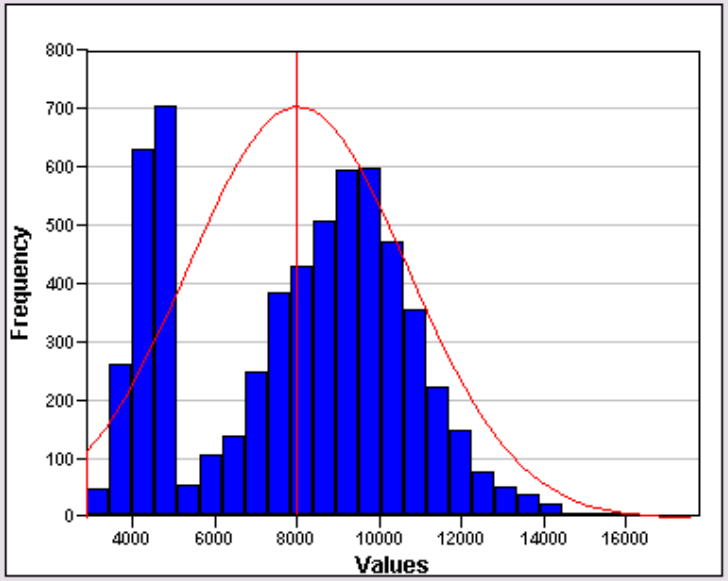
Note: Data should not be excluded from analysis solely on the basis of this test.

SU 4 Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

Histogram



B.42

Histogram shows a bimodal distribution, both are normally distributed. This data set displays this distribution due to the differing backgrounds in this SU. There were 3 distinct areas of differing background readings. Gravel areas were lower, clay was normal and the trench area was higher (not enough data points to have its own distribution curve). All readings were within the norm (none >4 sigma) and no audible increases were noted in the field.

RADIOLOGICAL SURVEY DATA SHEET

Page 1 of 2

LOCATION: (DF-TAIL SPOIL OTHER) PRS-441 / SU-3 & 4	SURVEY #: 09-Rad-0243
PURPOSE: Final Verification	RWP #: N/A
	DATE: 5/13/09
	TIME: 1630

MAP/DRAWING

100% fidler walkover scan was performed over accessible areas to identify detectable hotspot locations.

No increase in count rate detected.

COPY

See attached map

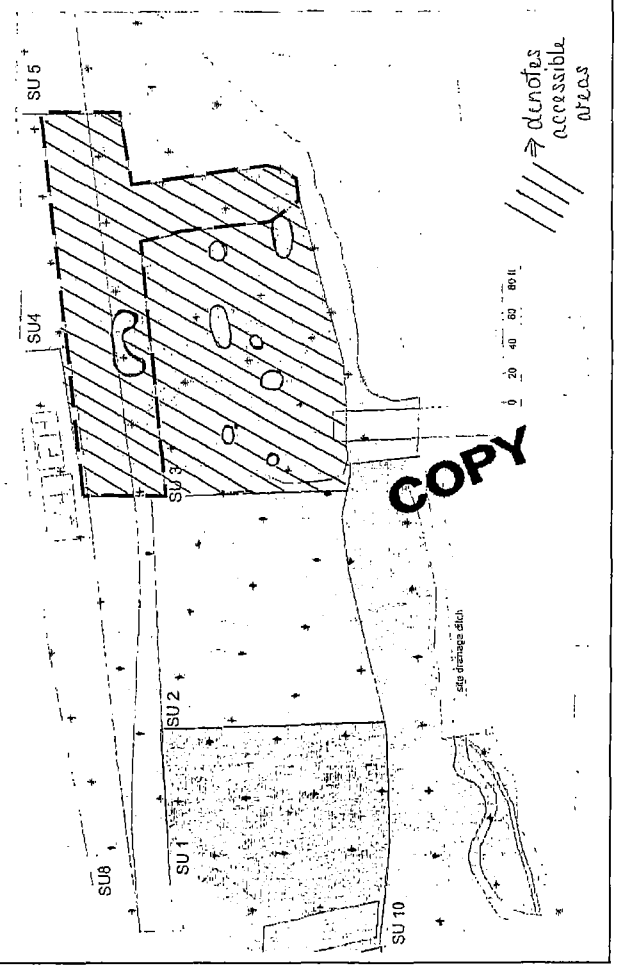
LEGEND: ~ = Factor of 1000 | △ = Soil Sample Location | - - - - - = Radiological Boundary | (#) = Smear Number | (#) = Direct Contamination Measurement in DPM / 100 cm² | [#] = air Sample Number / Location

INSTRUMENTS USED

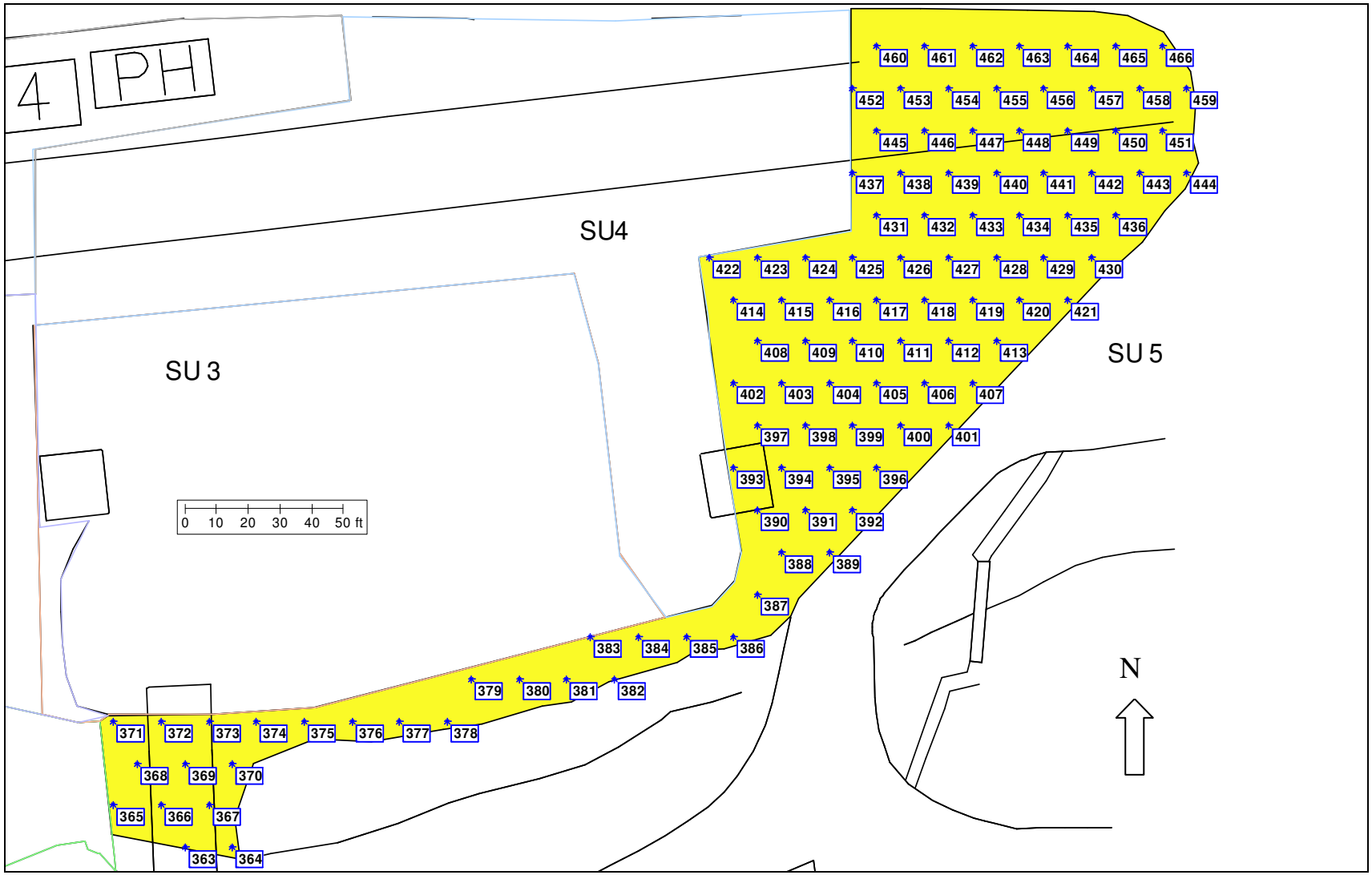
Instrument	Serial Number	Cal. Due Date
Fidler/2221	3998/126535	1/2/10

A N

Completed by: (Signature) Jamie M. Collins	Date: 5/26/09
Completed by: (Print Name) Jamie M. Collins	
Counted by: (Signature) A	Date:
Counted by: (Print Name) N	
Approved by: (Signature) Connie Gerbig	Date: 5/26/09
Approved by: (Print Name) Connie Gerbig	



SU 5 Verification and Backfill Information

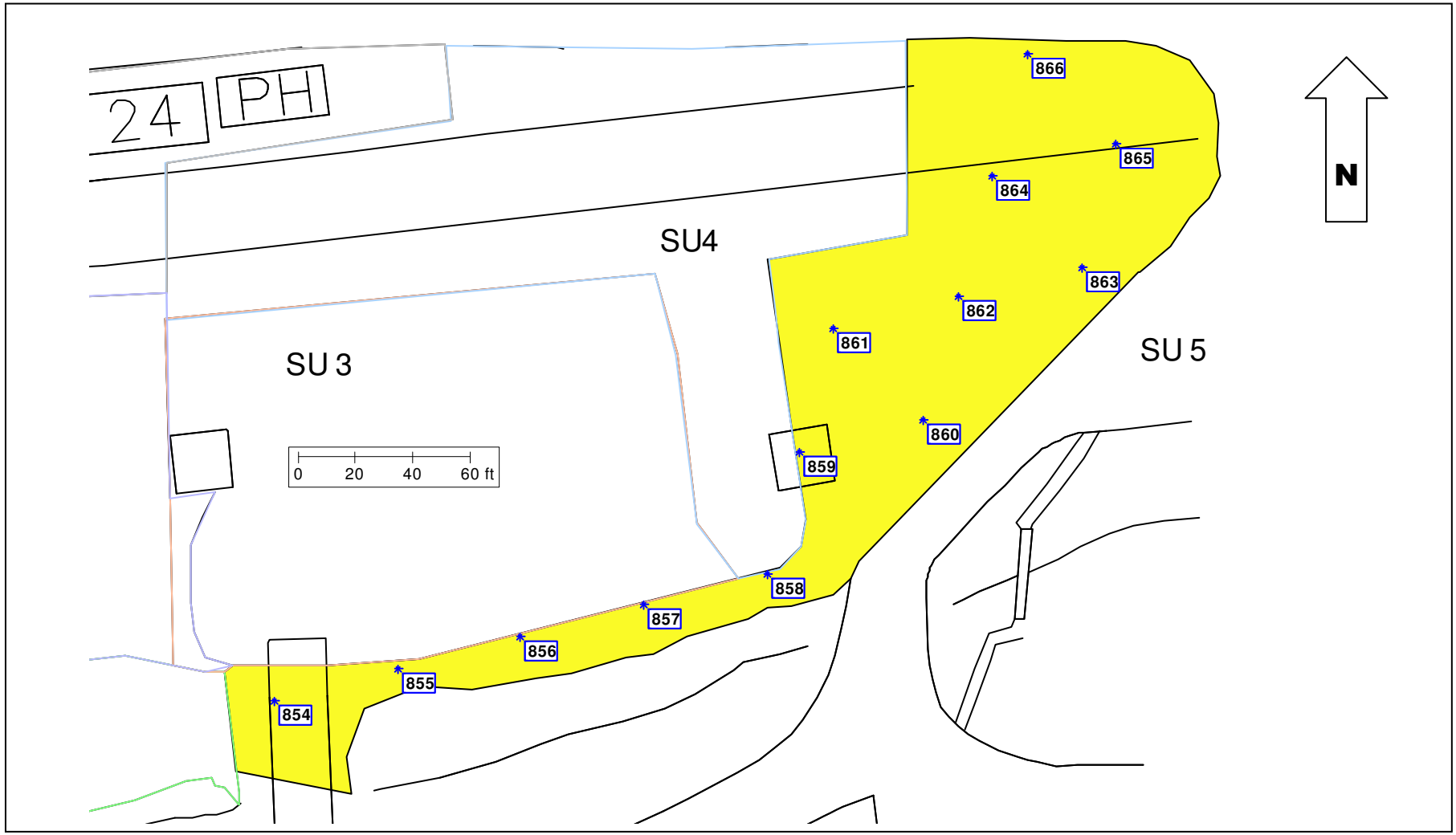


SU 5 Map Hot Spot Sampling

Sample numbers will be recorded as 4105-0XXXA-HO

Only XXX shown for simplicity

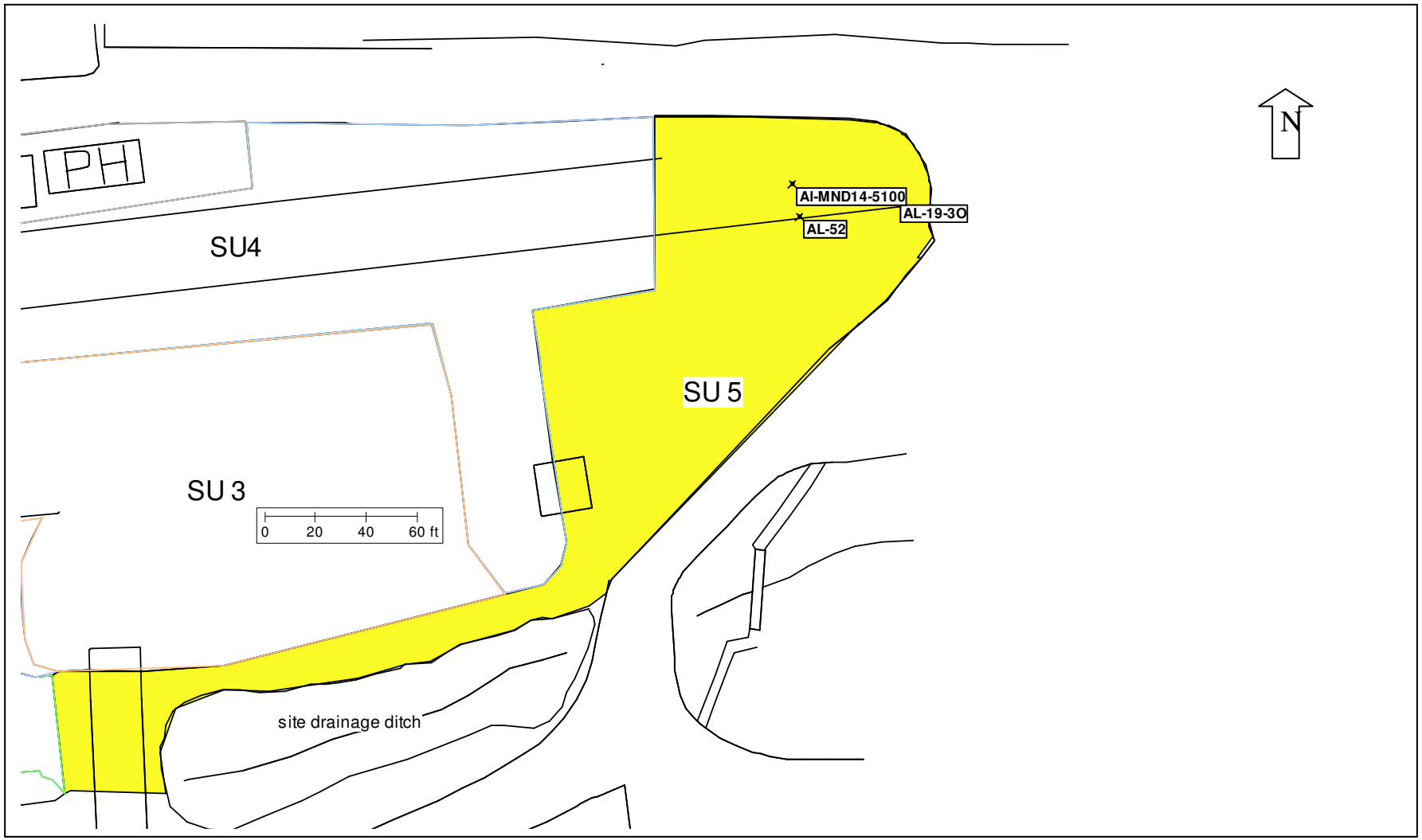
B.45



SU5 Map MARSSIM Sampling

Sample numbers will be recorded as 4105-0XXXA-FO
Only XXX shown for simplicity

B.46



SU 5 Historical Bias Sample Locations

Sample numbers will be recorded as shown above

B.47

RADIOLOGICAL SURVEY DATA SHEET

Page 1 of 3

LOCATION: (OU-1)/RAIL SPUR/(OTHER) SU-3 & SU-5	SURVEY #: 09-Rail-0217
PURPOSE: Unconditional Release Survey of Asphalt (4103-0494A-HO, 4105-0363A-HO)	RWP #: N/A
	DATE: 5/5/09
	TIME: 1330

MAP/DRAWING

See attached map (pg. 2)

COPY

2360 Bkgd
2.2 cpm α
257 cpm β-

LEGEND: k = factor of 1000 | △ = Soil Sample Location | - - - - - = Radiological Boundary | (#) = Survey Number

(α / β) = Direct Contamination Measurement in DPM / 100 cm² | [#] = air Sample Number / Location

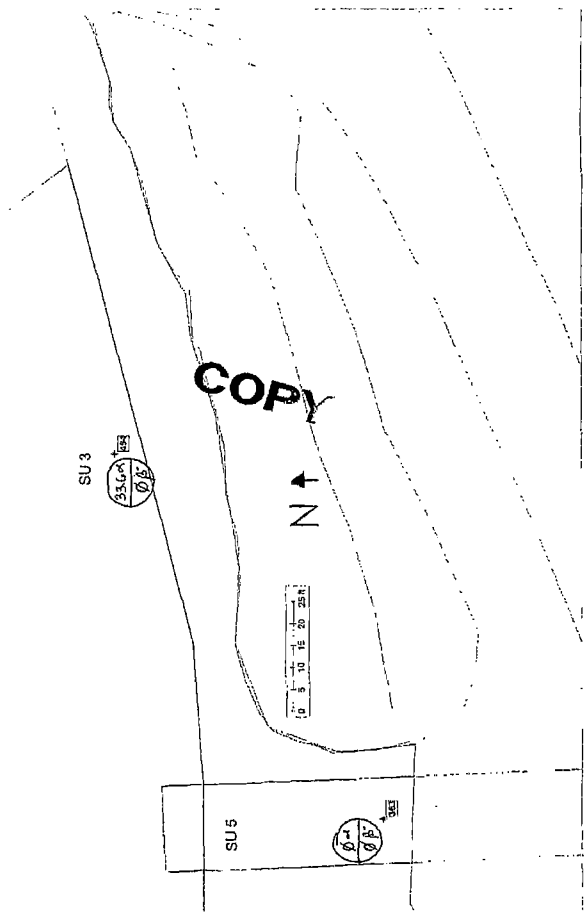
INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
2360-89	5703/5733	1-2-10
2080	5814	3-20-10
	N/A	

Completed by: (Signature) Jamie M. Collins	Date: 5/5/09
Completed by: (Print Name) Jamie M. Collins	
Checked by: (Signature) Jamie M. Collins	Date: 5/5/09
Checked by: (Print Name) Jamie M. Collins	
Approved by: (Signature) Connie Smith	Date: 050709
Approved by (Print Name) Connie Smith	

09-Rail-0217

Page 2 of 3



Survey No. 09-Rail-0217

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination Swipes (dpm/100cm²)				Removable Contamination Swipes (dpm/100cm²)			
Sample #	α	β/γ	Comments	Sample#	α	β/γ	Comments
1	Ø	26	4103-0494A-HO				
2	Ø	29	4105-0363A-HO				

NFE

NFE

COPY

COMMENTS: 3 smear and direct taken on asphalt in lieu of soil sample.

NFE ⇒ No Further Entries

SU 5 FIDLER Walk over

Coverage Map
No detectable activity found.

SU 5 Data Analysis FIDLER Walkover

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

n =	5189
Min =	101
Max =	2727
Range =	2626
Mean =	428.71
Median =	314
Variance =	1.0827e+005
Std Dev =	329.04
Std Error =	4.5678
Interquartile Range =	212
Skewness =	2.1172

Percentiles:

1%:	123.9
5%:	160
10%:	182
25%:	232
50%:	314
75%:	444
90%:	967
95%:	1199
99%:	1537

Walsh's Outlier Test

Suspected Outliers: 1

Significance Level: 5%

Walsh's Test did not conclude that either the smallest or the largest 1 values are outliers at the 5% significance level. Change the number of suspected outliers to detect more or fewer outliers.

With a sample size of 5189, Walsh's Test achieves a significance level of 5%.

Note: Data should not be excluded from analysis solely on the basis of this test.

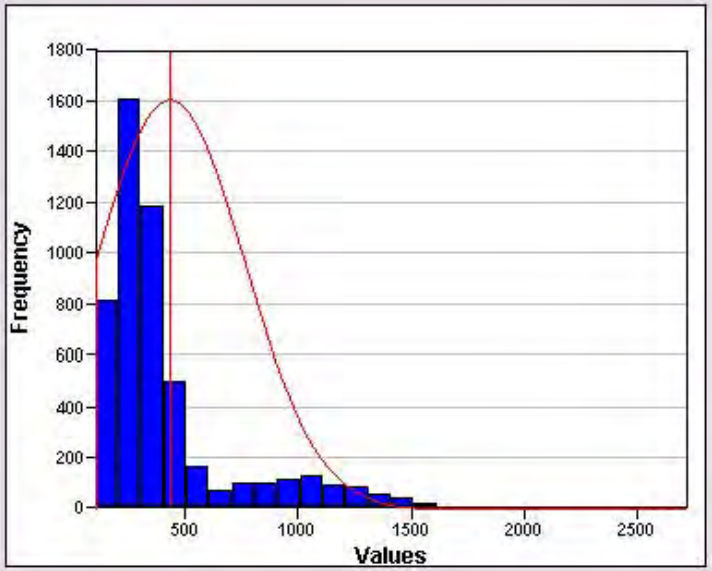
OK | Cancel | Apply | Help

Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

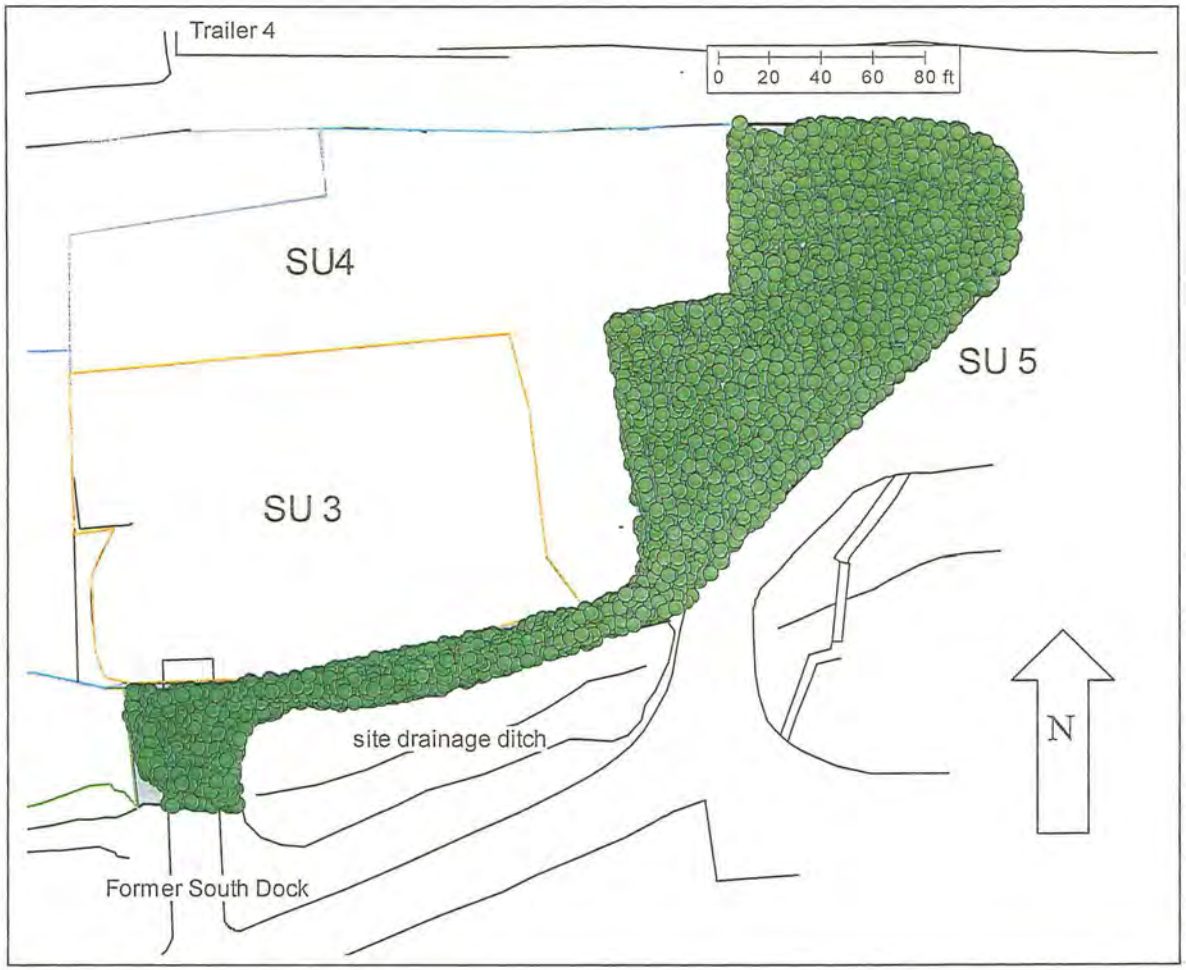
Histogram



OK | Cancel | Apply | Help

All readings were within the norm (none >4 sigma) and no audible increases were noted in the field.

B.51



SU 5 2X2 Walk Over
Coverage Map

No detectable activity found.

SU 5 Data Analysis 2X2 Walkover

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

n =	6175
Min =	2872
Max =	14037
Range =	11165
Mean =	6823.4
Median =	6307
Variance =	5.2009e+006
Std Dev =	2280.6
Std Error =	29.022
Interquartile Range =	3444
Skewness =	0.70032

Percentiles:

1%:	3476.8
5%:	3971
10%:	4288
25%:	4947
50%:	6307
75%:	8391
90%:	10133
95%:	11289
99%:	12590

Walsh's Outlier Test

Suspected Outliers: 1

Significance Level: 5%

Walsh's Test did not conclude that either the smallest or the largest 1 values are outliers at the 5% significance level. Change the number of suspected outliers to detect more or fewer outliers.

With a sample size of 6175, Walsh's Test achieves a significance level of 5%.

Note: Data should not be excluded from analysis solely on the basis of this test.

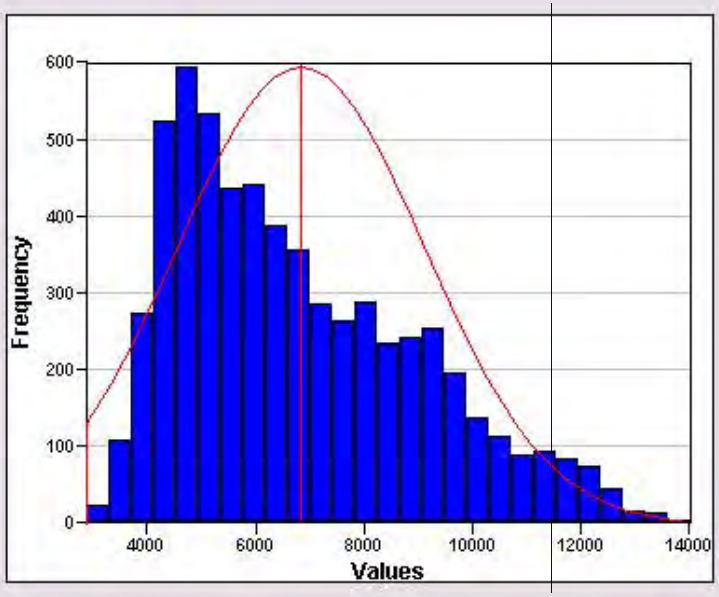
OK | Cancel | Apply | Help

Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

Histogram

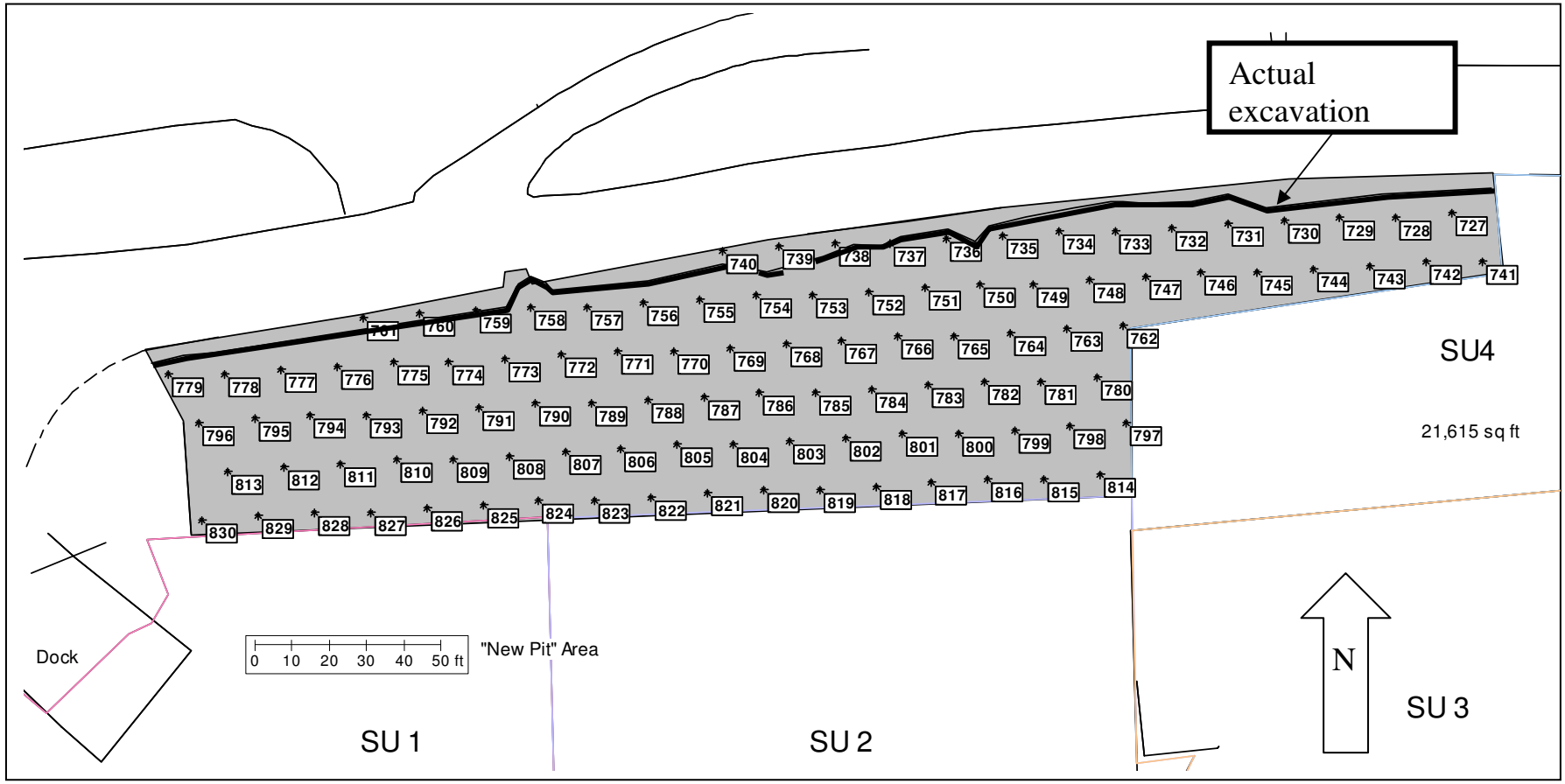


OK | Cancel | Apply | Help

All readings were within the norm (none >4 sigma) and no audible increases were noted in the field.

B.53

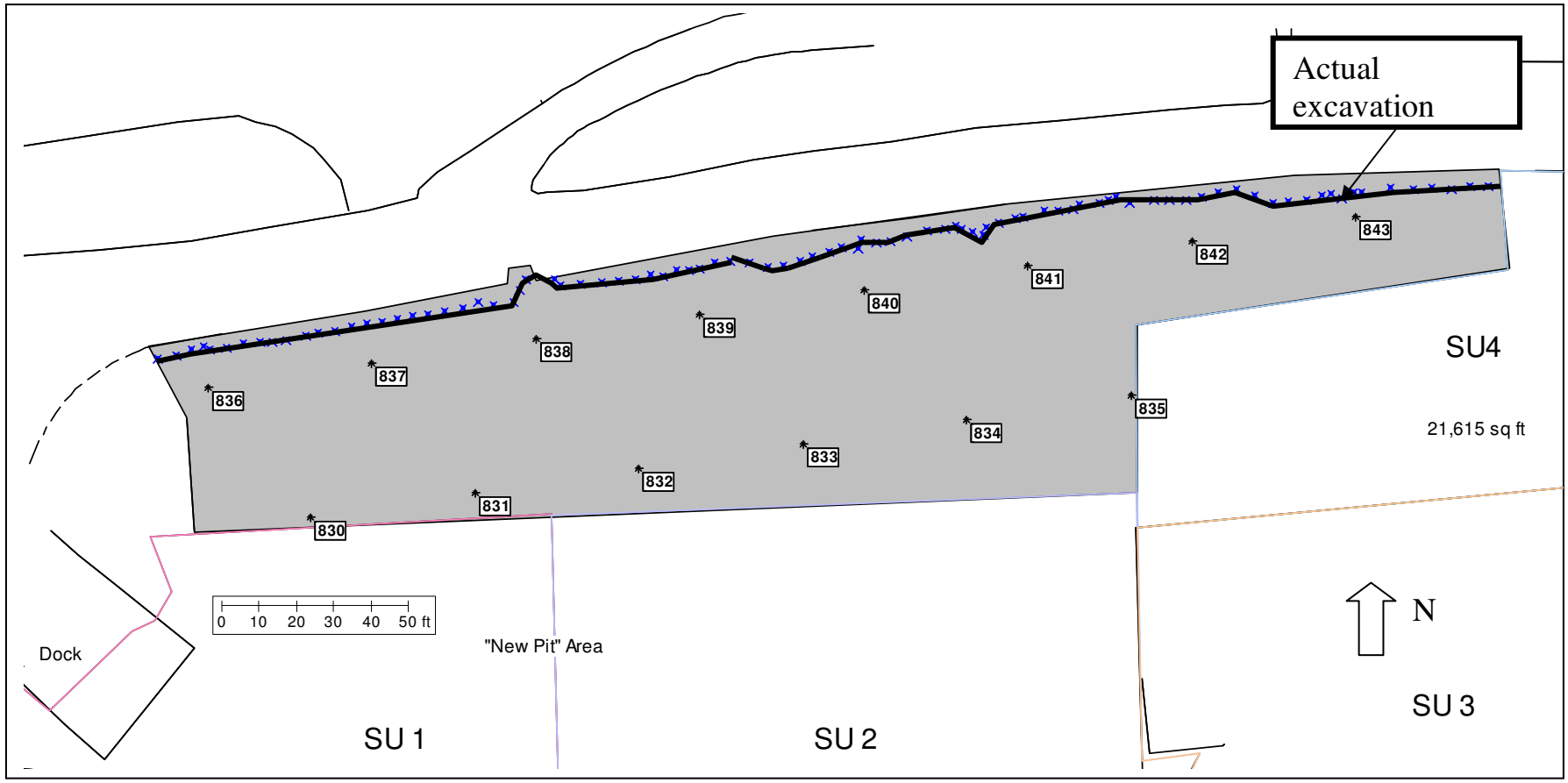
SU 8 Verification and Backfill Information



SU 8 Map Hot Spot Sampling

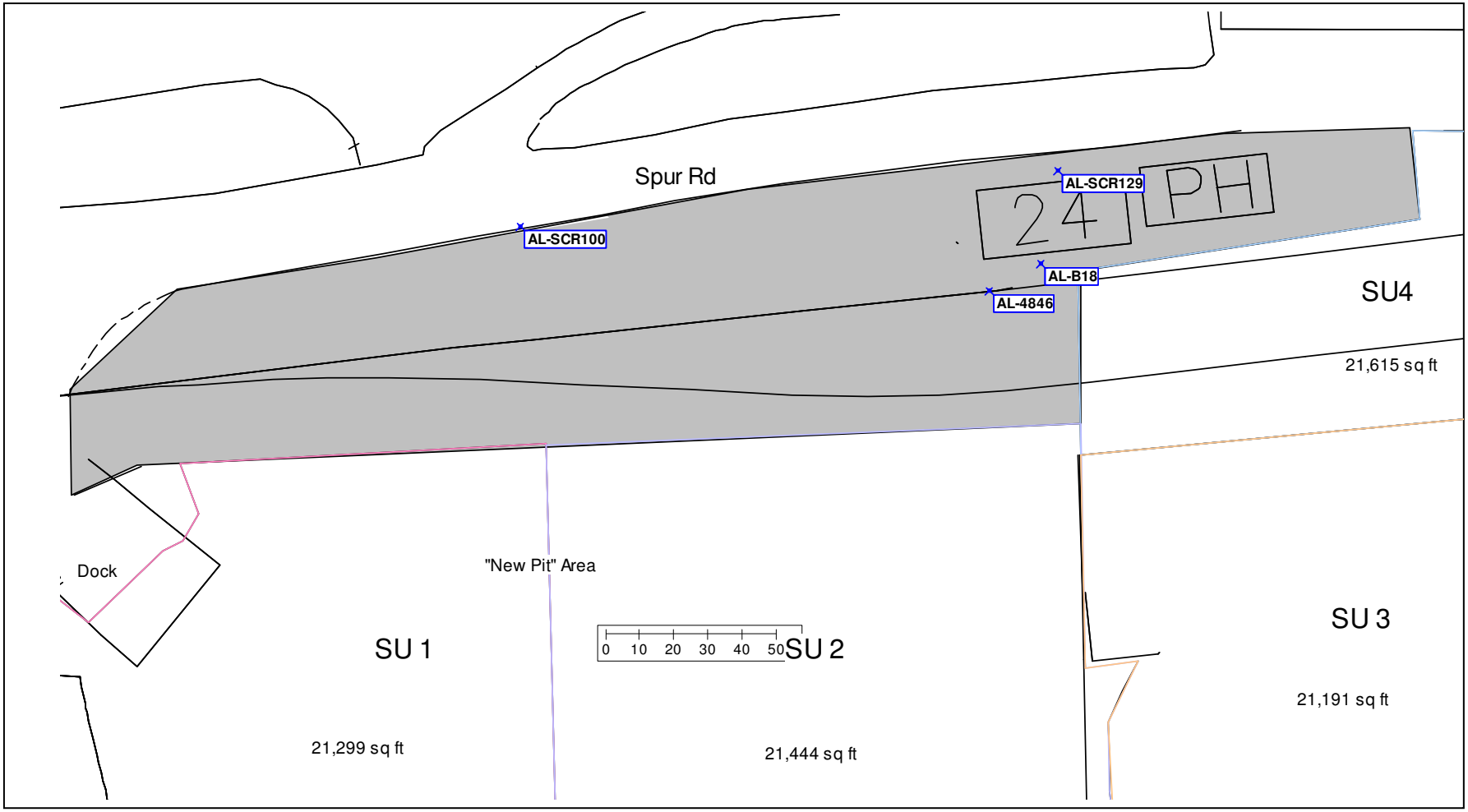
Sample numbers will be recorded as 4108-0XXXA-HO

Only XXX shown for simplicity



SU8 Map MARSSIM Sampling

Sample numbers will be recorded as 4108-0XXXA-FO
Only XXX shown for simplicity



SU 8 Historical Bias Sample Locations

N

SU 8 Coverage Map

SU 8 Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

n =	3854
Min =	3983
Max =	16687
Range =	12704
Mean =	8199.4
Median =	8031.5
Variance =	2.8946e+006
Std Dev =	1701.3
Std Error =	27.405
Interquartile Range =	2423.3
Skewness =	0.4349

Percentiles:

1%:	4859.9
5%:	5665.8
10%:	6175
25%:	6937
50%:	8031.5
75%:	9360.3
90%:	10484
95%:	11107
99%:	12455

Walsh's Outlier Test

Suspected Outliers: 1

Walsh's test concluded with 5% confidence that the largest value is an outlier.

Significance Level: 5%

With a sample size of 3854, Walsh's Test achieves a significance level of 5%.

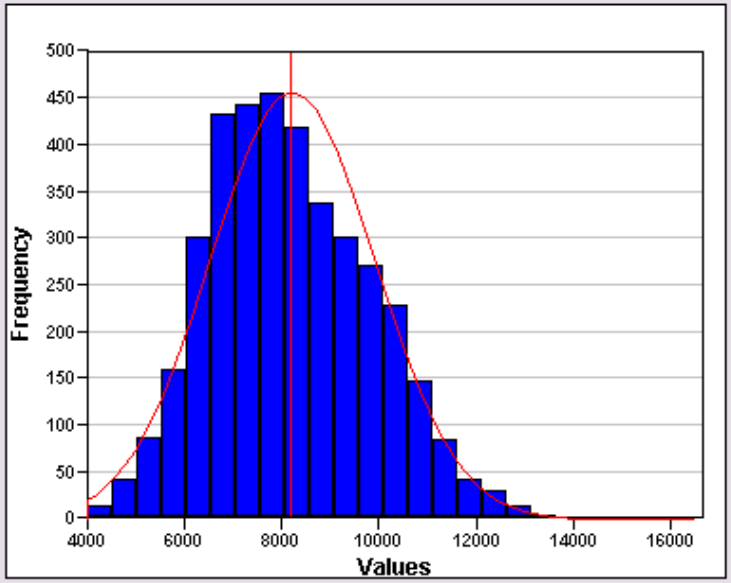
Note: Data should not be excluded from analysis solely on the basis of this test.

Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

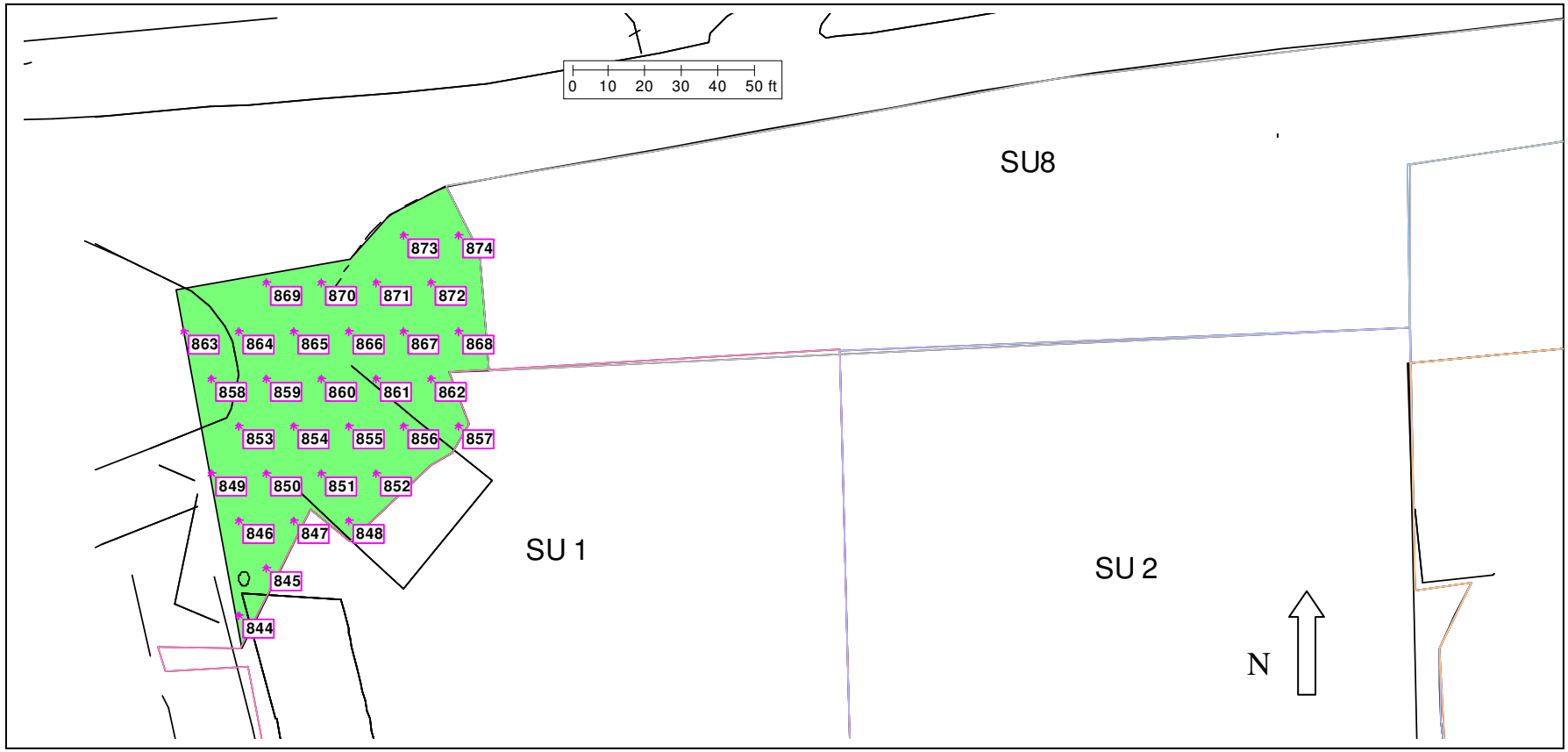
Histogram



All readings were within the norm (<4 sigma), except 4 of 3858 (0.1%). These results ranged from 15227 – 16687 cpm and were located in same vicinity. These are shown as a yellow dot on the previous figure. There was an audible increase in the field and a soil sample was collected at the area of highest increase. The results were <CO for all analytes.

B.59

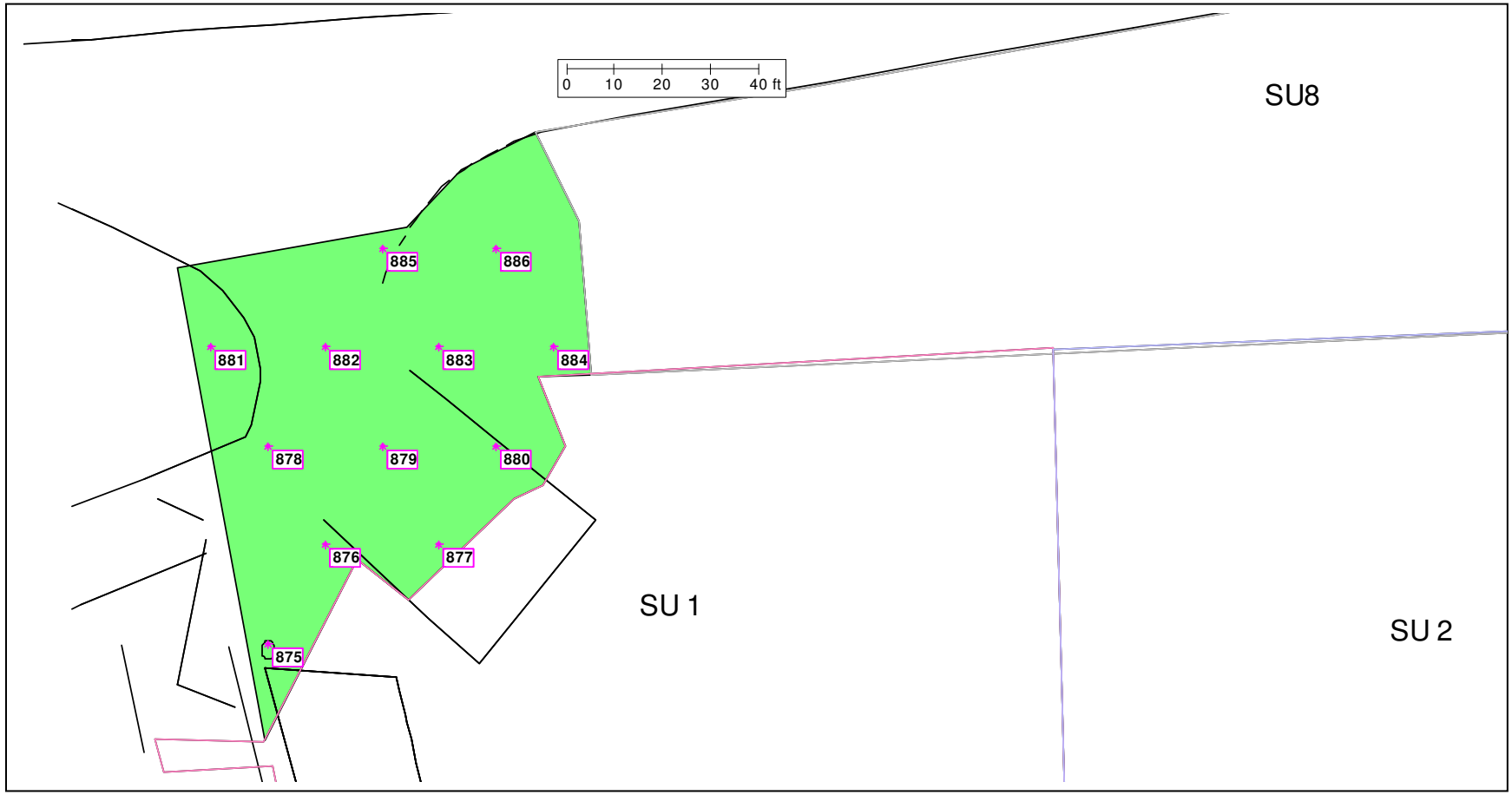
SU 9 Verification and Backfill Information



SU 9 Map Hot Spot Sampling

Sample numbers will be recorded as 4109-0XXXA-HO

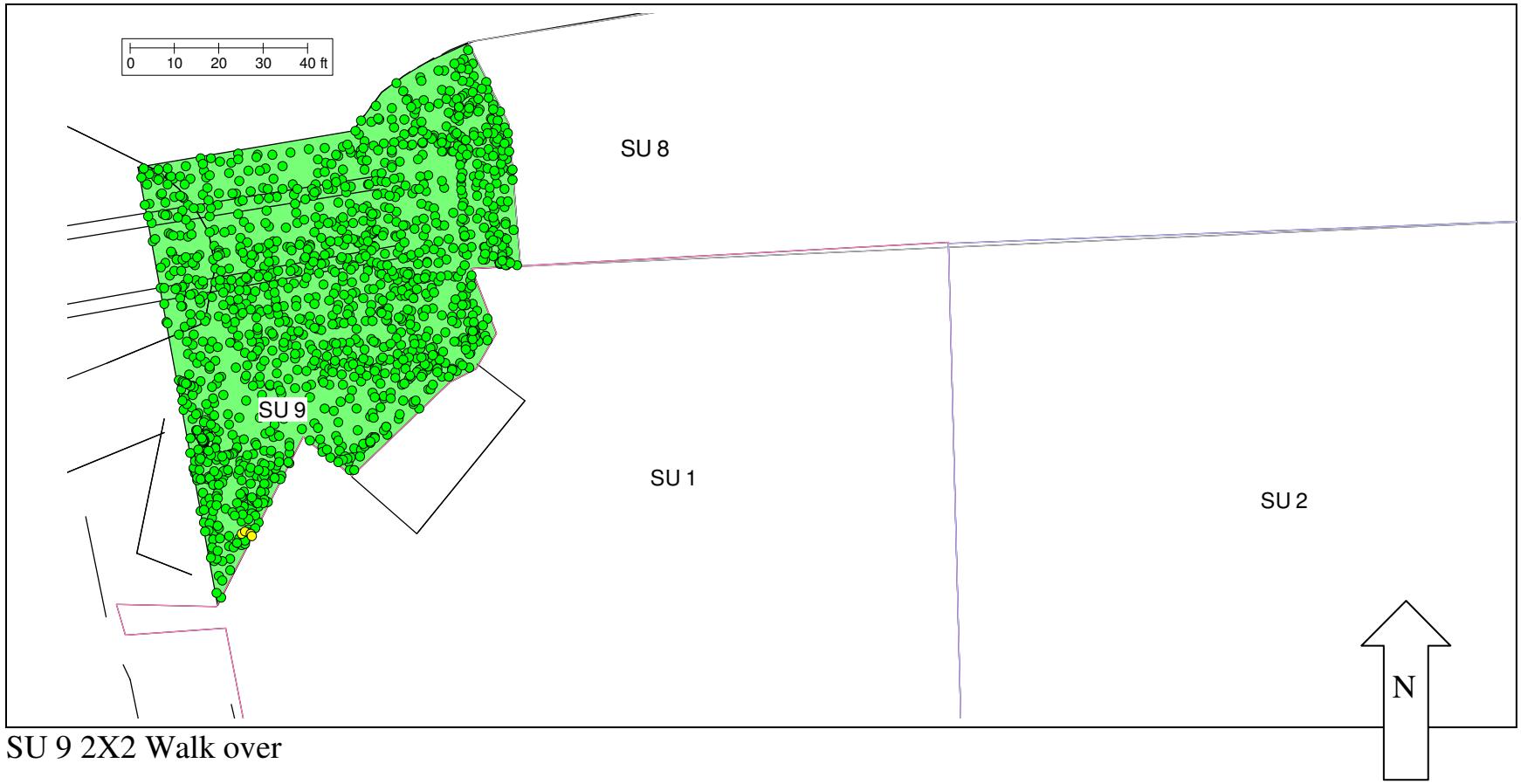
Only XXX shown for simplicity



SU 9 Map MARSSIM Sampling

Sample numbers will be recorded as 4109-0XXXA-FO

Only XXX shown for simplicity



SU 9 2X2 Walk over

Coverage Map

No audible increases were noted in the field.

SU 9 Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

n =	1470
Min =	2872
Max =	14039
Range =	11167
Mean =	6255.4
Median =	5981
Variance =	2.0921e+006
Std Dev =	1446.4
Std Error =	37.725
Interquartile Range =	1727.5
Skewness =	1.3508

Percentiles:

1%:	3998.6
5%:	4487.6
10%:	4736.1
25%:	5245
50%:	5981
75%:	6972.5
90%:	8101.1
95%:	8887.7
99%:	11047

Walsh's Outlier Test

Suspected Outliers: 1

Significance Level: 5%

Walsh's Test did not conclude that either the smallest or the largest 1 values are outliers at the 5% significance level. Change the number of suspected outliers to detect more or fewer outliers.

With a sample size of 1470, Walsh's Test achieves a significance level of 5%.

Note: Data should not be excluded from analysis solely on the basis of this test.

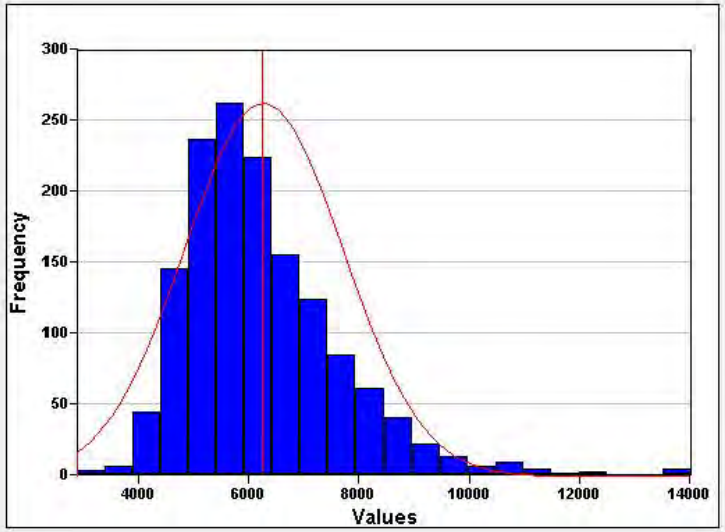
OK | Cancel | Apply | Help

Data Analysis

Data Analysis | Analytes

Data Entry | Summary Statistics | Tests | Plots

Histogram



OK | Cancel | Apply | Help

All readings were within the norm (<4 sigma), except 3 locations noted by yellow dots in the above figure. There were no audible increases in the field. Soil sample results from that area are reported below, all results were >CO.

B.64

RADIOLOGICAL SURVEY DATA SHEET

Page 1 of 2

LOCATION: (OU-1/RAIL SPUR/ OTHER) 441 - SU-9	SURVEY #: 09-Rail-0278
PURPOSE: Fidler walkover of SU-9 Final Verification	RWP #: N/A
	DATE: 6/18/09
	TIME: 0920

MAP/DRAWING

- 100% fidler walkover scan was performed over all accessible areas to identify detectable hotspots.
- No audible increase above background.

See Attached Map

LEGEND: K = factor of 1000 △ = Soil Sample Location - - - - = Radiological Boundary (#) = Smear Number

(# / α) or β = Direct Contamination Measurement in DPM / 100 cm² [#] = air Sample Number / Location

INSTRUMENTS USED

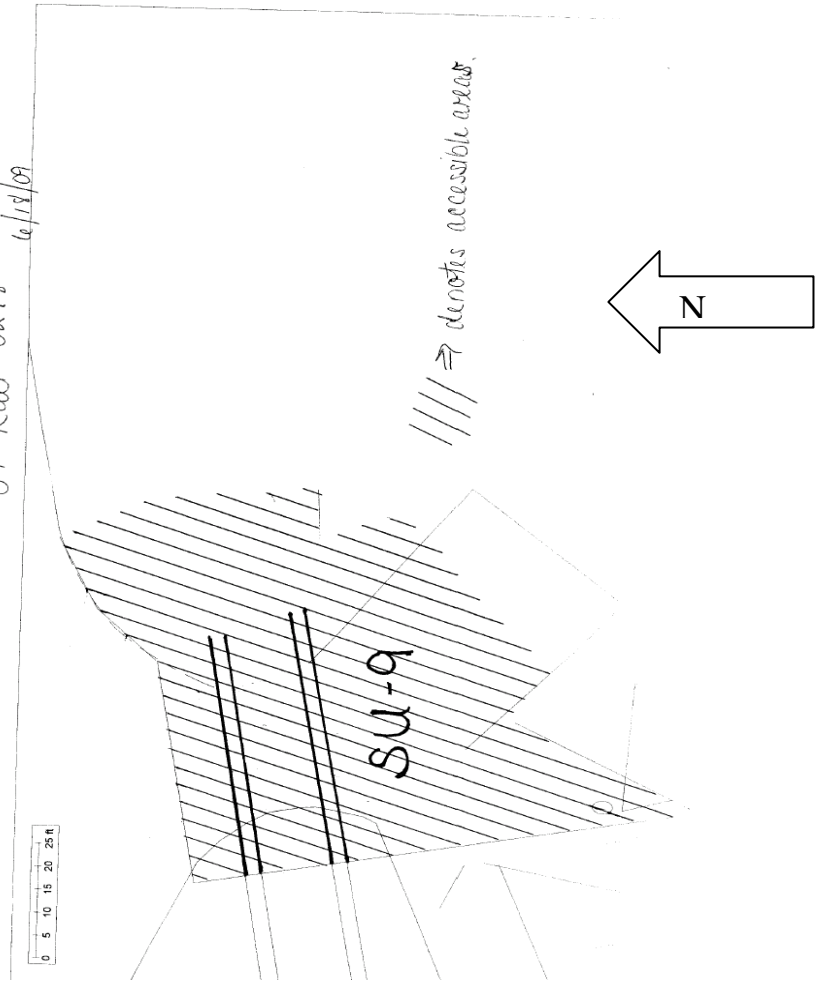
Instrument	Serial Number	Cal. Due Date
Fidler	3998	1/2/10
2221	126535	1/2/10
	A	
	N	

Completed by: (Signature) James M. Collins	Date: 6/18/09
Completed by: (Print Name) James M. Collins	
Counted by: (Signature) A	Date:
Counted by: (Print Name) N	
Approved by: (Signature) Connie Gerber	Date: 6/18/09
Approved by: (Print Name) Connie Gerber	

ML-9620A

page 2 of 2

09-Rail-0278 6/18/09

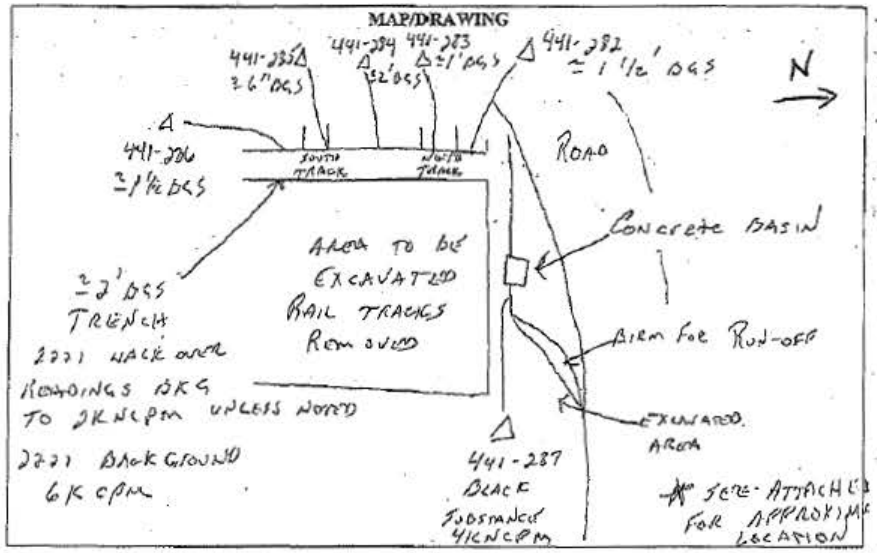


RADIOLOGICAL SURVEY DATA SHEET

Page 1 of 2

LOCATION: (OU-1/RAIL SPUR/ OTHER) RAIL SPUR	SURVEY #: 09-RAIL-0263
PURPOSE: SURVEY OF NORTH AND SOUTH TRACK AREA.	RWT #: 004
	DATE: 6-4-09
	TIME: 1030

MAP/DRAWING



LEGEND: K = factor of 1000 | Δ = Soil Sample Location | ---------- = Radiological Boundary | (S) = Sample Number

(#/α) or β = Direct Contamination Measurement in DPM / 100 cm² | # = air Sample Number / Location

COPY

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
2221	190961/5/157	1-3-10
	N/A	

Completed by: (Signature) Robert Allen	Date: 6-4-09
Completed by: (Print Name) ROBERT ALLEN	
Counted by: (Signature) NA	Date: NA
Counted by: (Print Name) NA	
Approved by: (Signature) Connie Smith	Date: 060909
Approved by: (Print Name) Connie Smith	

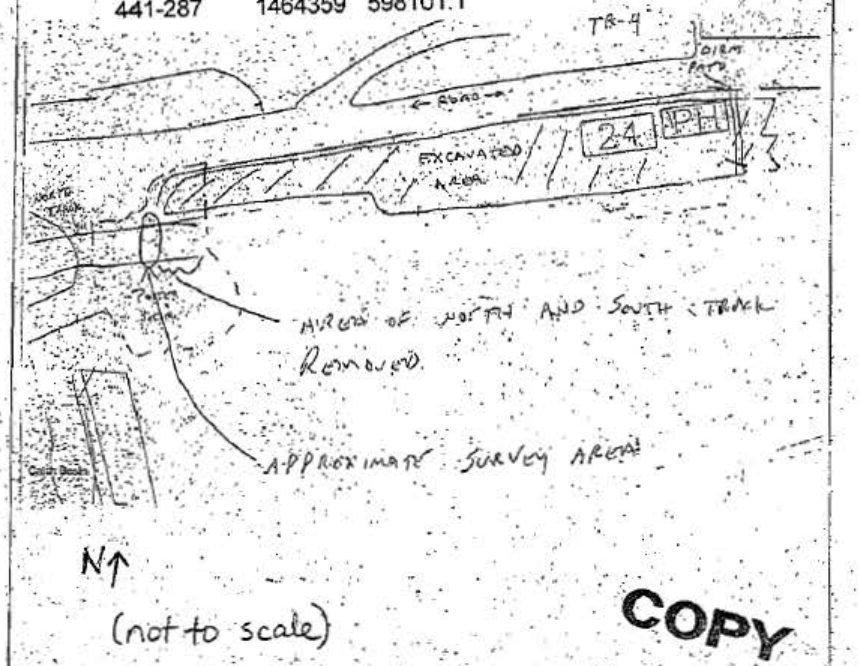
ML-9620A

Page 2 of 2

09-RAIL-0263

Area: SU9 Judgemental Sample Locations

ID	X Coord	Y Coord
441-282	1464345	598096.4
441-283	1464345	598090.1
441-284	1464347	598084.2
441-285	1464347	598078.9
441-286	1464348	598070.7
441-287	1464359	598101.1



COPY

ML-9620A

SU 9 Map Judgmental Sampling

RADIOLOGICAL SURVEY DATA SHEET

Page 1 of 4

LOCATION: (OU-1/RAIL SPUR/ OTHER) RAIL SPUR	SURVEY #: 09-RAIL 0279
PURPOSE: DIRECT AND REMOVABLE CONTAMINATION SURVEY OF AREAS WHERE SOIL SAMPLES COULD NOT BE OBTAINED (BLACKTOP SURFACE)	RWP #: N/A
	DATE: 6-22-09
	TIME: 1100

MAP/DRAWING

SEE ATTACHED

LEGEND: K = factor of 1000 △ = Soil Sample Location - - - - - = Radiological Boundary (#) = Smear Number

(#/α) or β = Direct Contamination Measurement in DPM / 100 cm² [#] = air Sample Number / Location

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
3030	5814	3-20-10
3030	5739	3-20-10
3030	5817	3-20-10
3030	5738	1-23-10
2360	~~5769~~ 5726	12-5-09

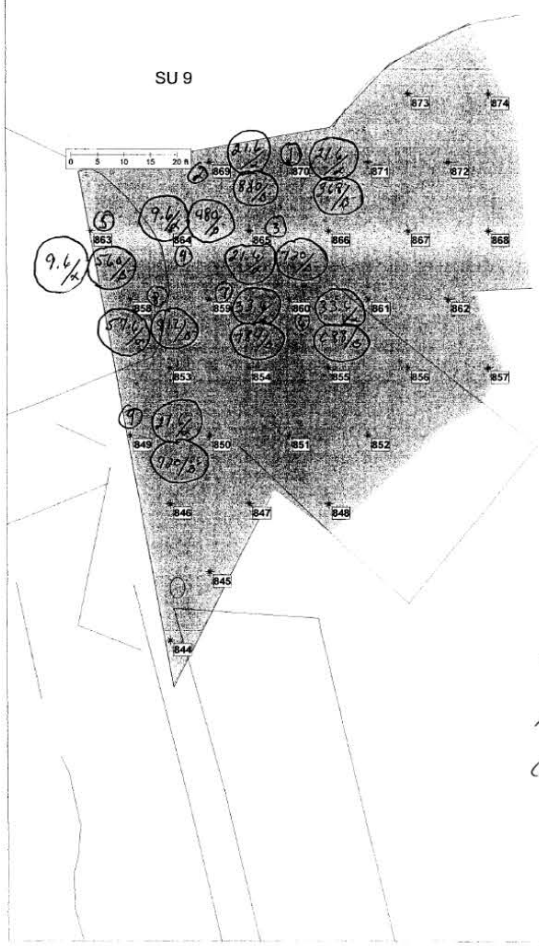
5769

Completed by: (Signature)	Date: 6-22-09
Completed by: (Print Name) Robert Collins	
Counted by: (Signature)	Date: 6-22-09
Counted by: (Print Name) Robert Collins	
Approved by: (Signature) Connie Smith	Date: 063309
Approved by (Print Name) Connie Smith	

ML-9620A

COPY

09-RAIL-0279 2 of 4



SAMPLE LOCATIONS SURVEYED:
870
869
865
864
863
860
859
858
849

NO SAMPLES

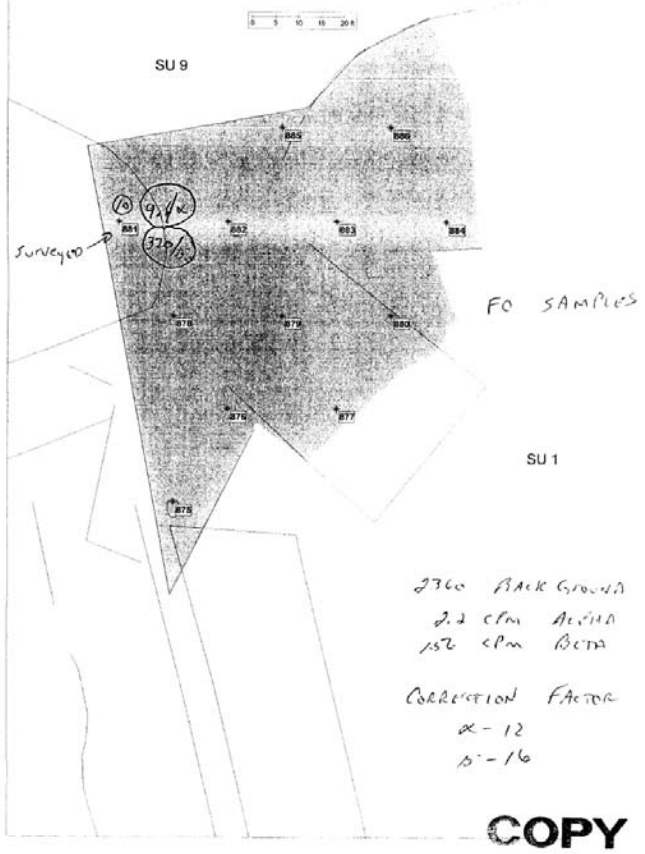
2360 BACKGROUND
2.2 CPM ALPHA
156 CPM BETA

CORRECTION FACTOR
α - 12
β - 16

COPY

09-RAIL-0279

3 of 4



Survey No. 09-RAIL-0279

Page 3 of 3

RADIOLOGICAL SURVEY DATA SHEET (cont.)

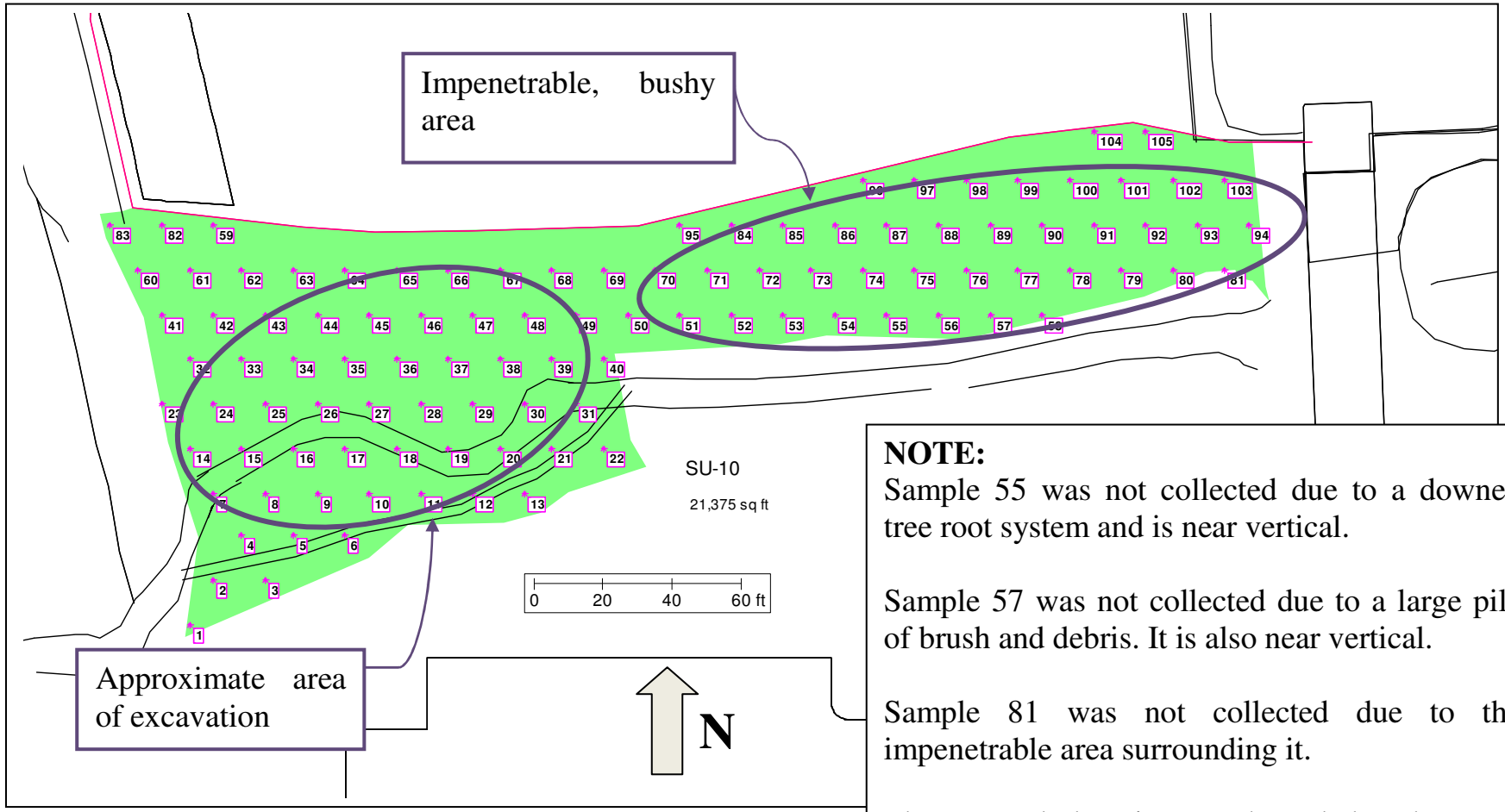
Removable Contamination Swipes (dpm/100cm²)				Direct Readings (dpm/100cm²)			
RELEASE LIMITS	<20	<1K		RELEASE LIMITS	<100	<5K	
Sample #	α	β/γ	Comments	Sample#	α	β/γ	Comments
1	5	42	SAMPLE LOCATION - 870	1	21.6	368	SAMPLE LOCATION - 870
2	0	92	SAMPLE LOCATION - 869	2	21.6	880	SAMPLE LOCATION - 869
3	3	0	SAMPLE LOCATION - 865	3	21.6	720	SAMPLE LOCATION - 865
4	3	60	SAMPLE LOCATION - 864	4	9.6	480	SAMPLE LOCATION - 864
5	3	13	SAMPLE LOCATION - 863	5	9.6	560	SAMPLE LOCATION - 863
6	0	60	SAMPLE LOCATION - 860	6	33.6	688	SAMPLE LOCATION - 860
7	0	9	SAMPLE LOCATION - 859	7	33.6	784	SAMPLE LOCATION - 859
8	0	60	SAMPLE LOCATION - 858	8	57.6	912	SAMPLE LOCATION - 858
9	0	0	SAMPLE LOCATION - 849	9	21.6	720	SAMPLE LOCATION - 849
10	3	88	SAMPLE LOCATION - 881	10	9.6	320	SAMPLE LOCATION - 881
		NFE				NFE	

COMMENTS: NONE

COPY

ML-9620B

SU 10 Verification and Backfill Information



NOTE:
Sample 55 was not collected due to a downed tree root system and is near vertical.

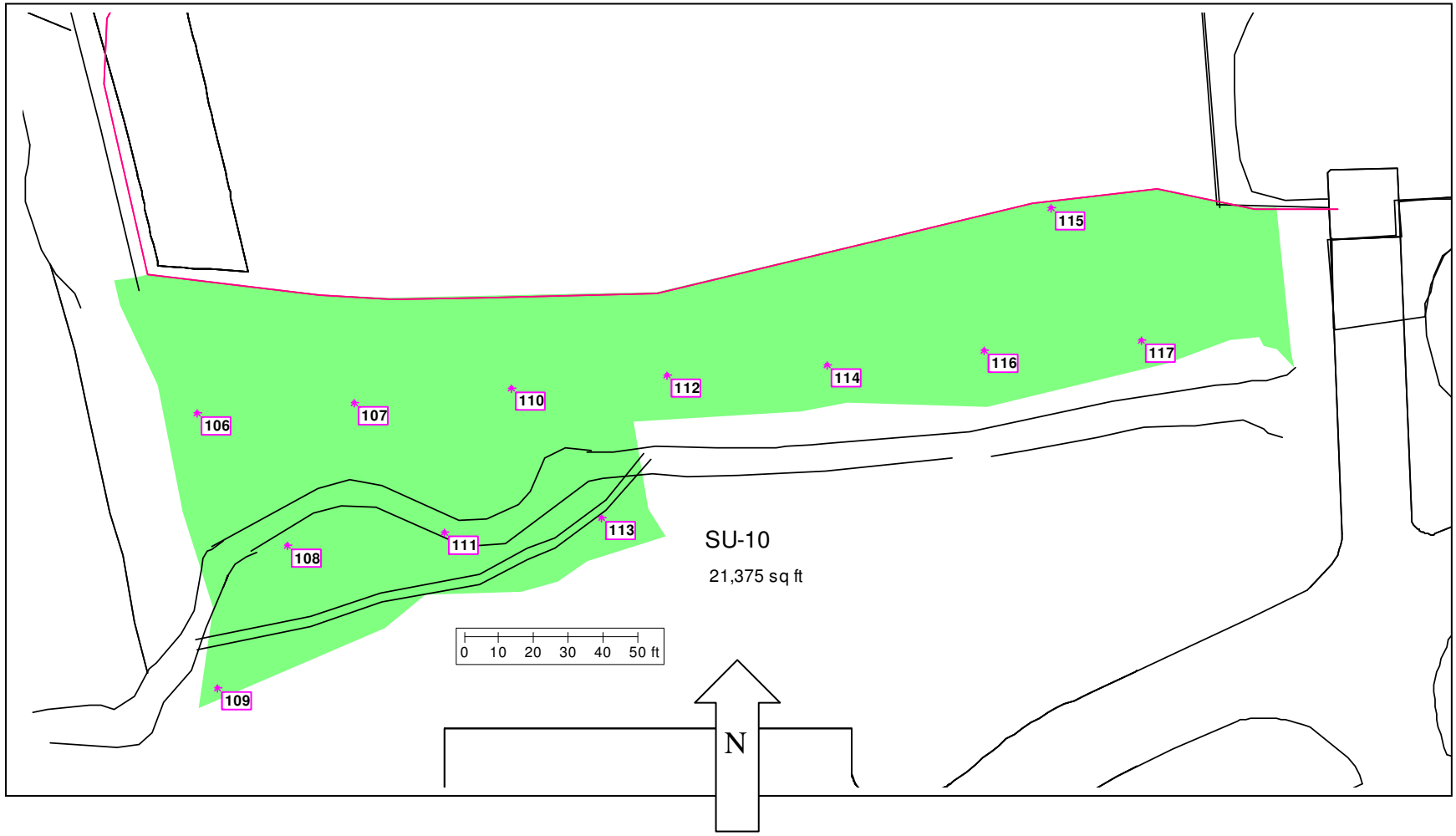
Sample 57 was not collected due to a large pile of brush and debris. It is also near vertical.

Sample 81 was not collected due to the impenetrable area surrounding it.

These sample locations are bounded to the south by PRS 67.

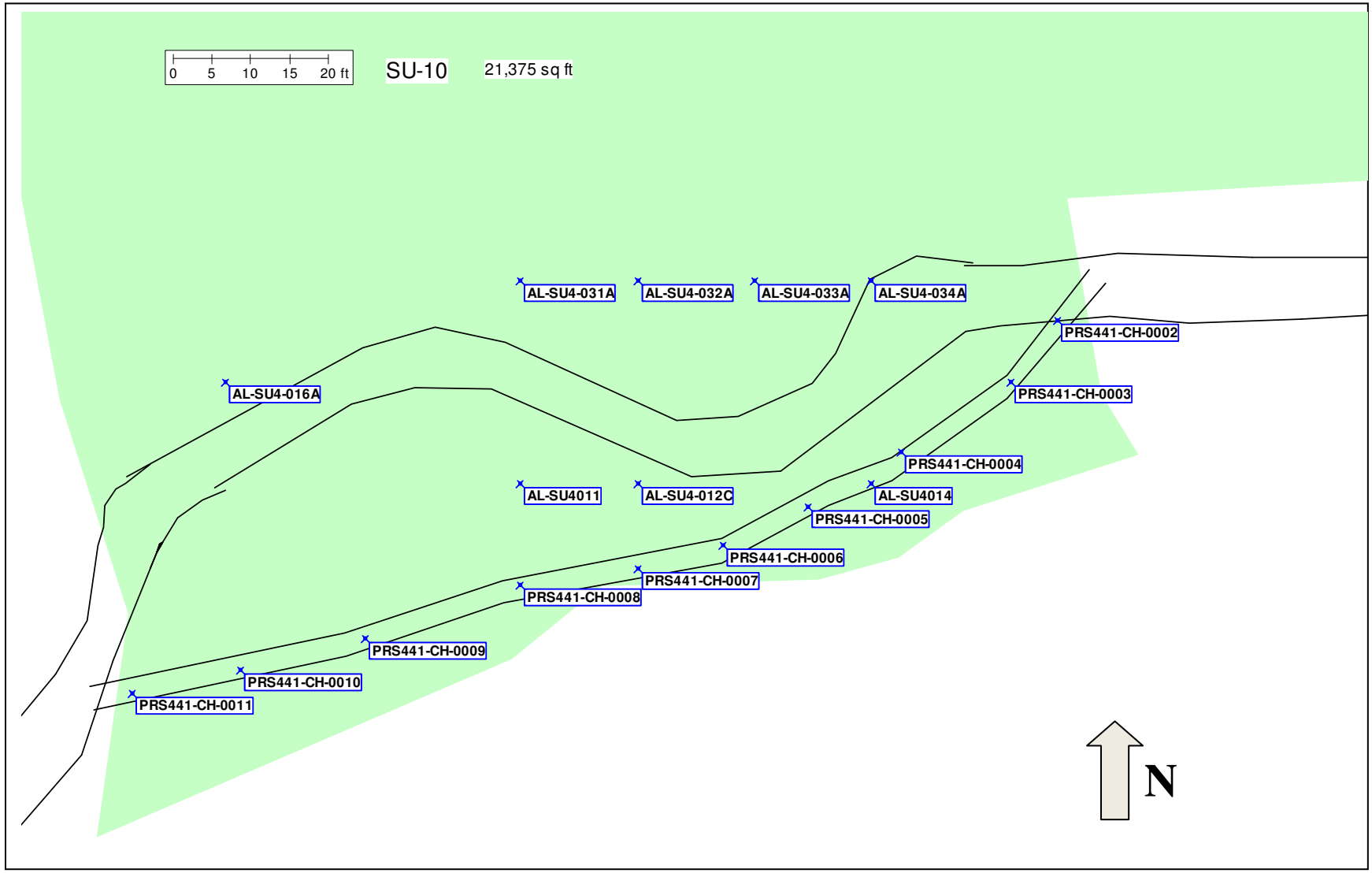
SU 10 Map Hot Spot Sampling

Sample numbers will be recorded as 4110-0XXXA-HO
Only XX shown for simplicity



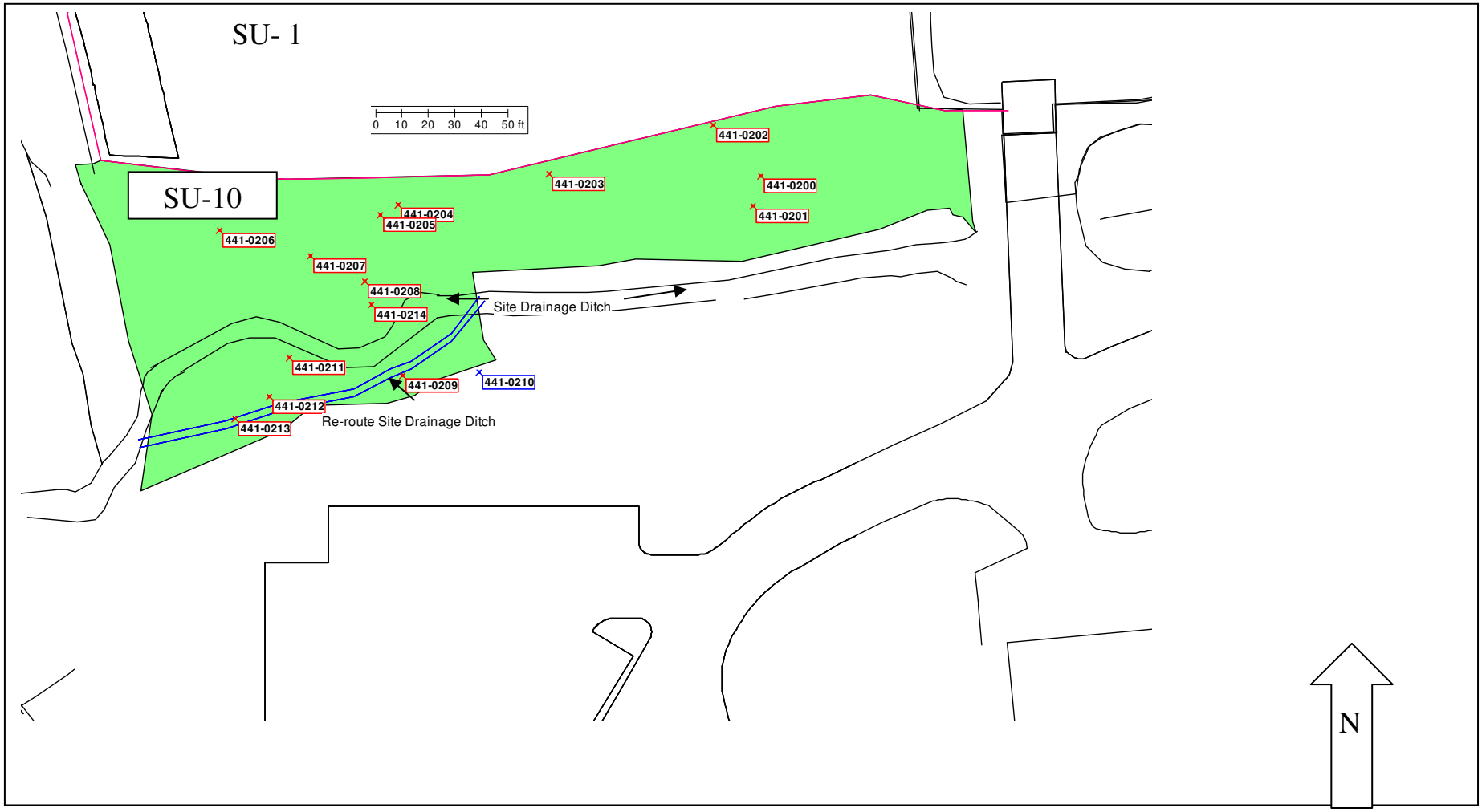
SU 10 Map MARSSIM Sampling

Sample numbers will be recorded as 4110-0XXXA-FO
Only XX shown for simplicity



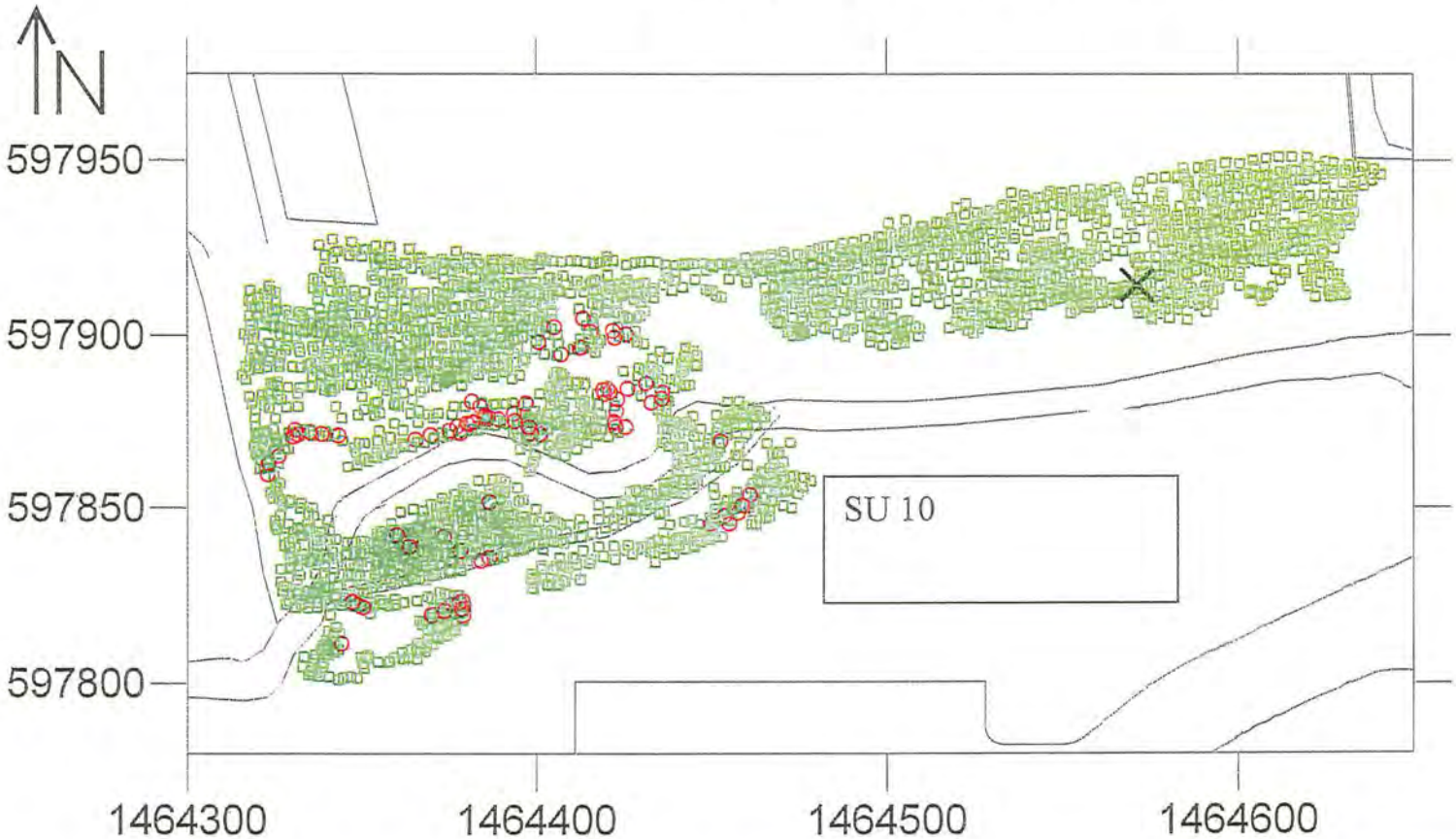
SU 10 Map Historical/Judgmental Samples

Sample numbers will be recorded as shown above.



SU-10 Sample locations of elevated FIDLER and 2 X 2 NaI detections. Sample IDs are recorded as shown.

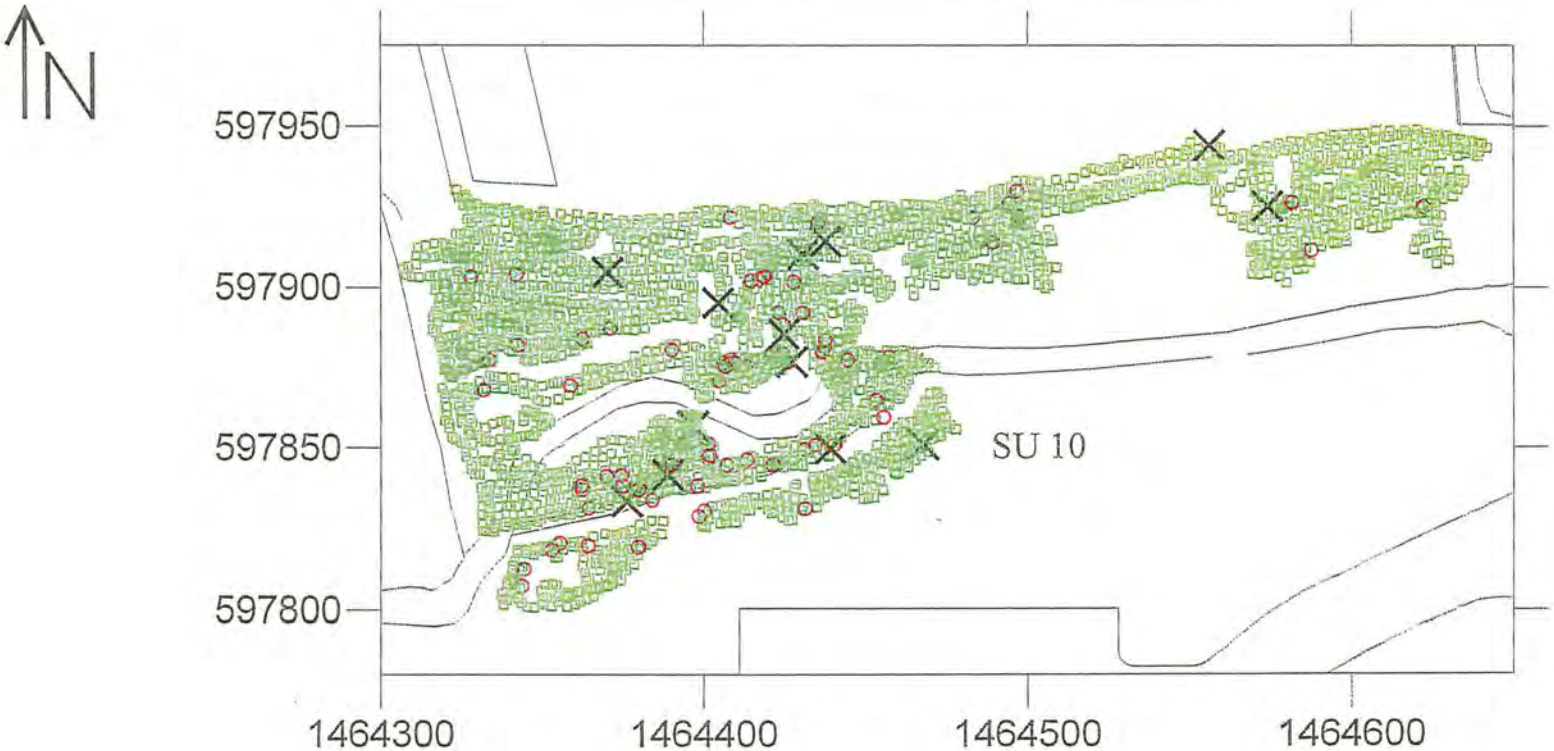
SU-10 44-10 Gamma Walkover



Legend	# of Readings
< Background + 2σ	3497
Background + 2σ to Background + 4σ	86
> Background + 4σ	1

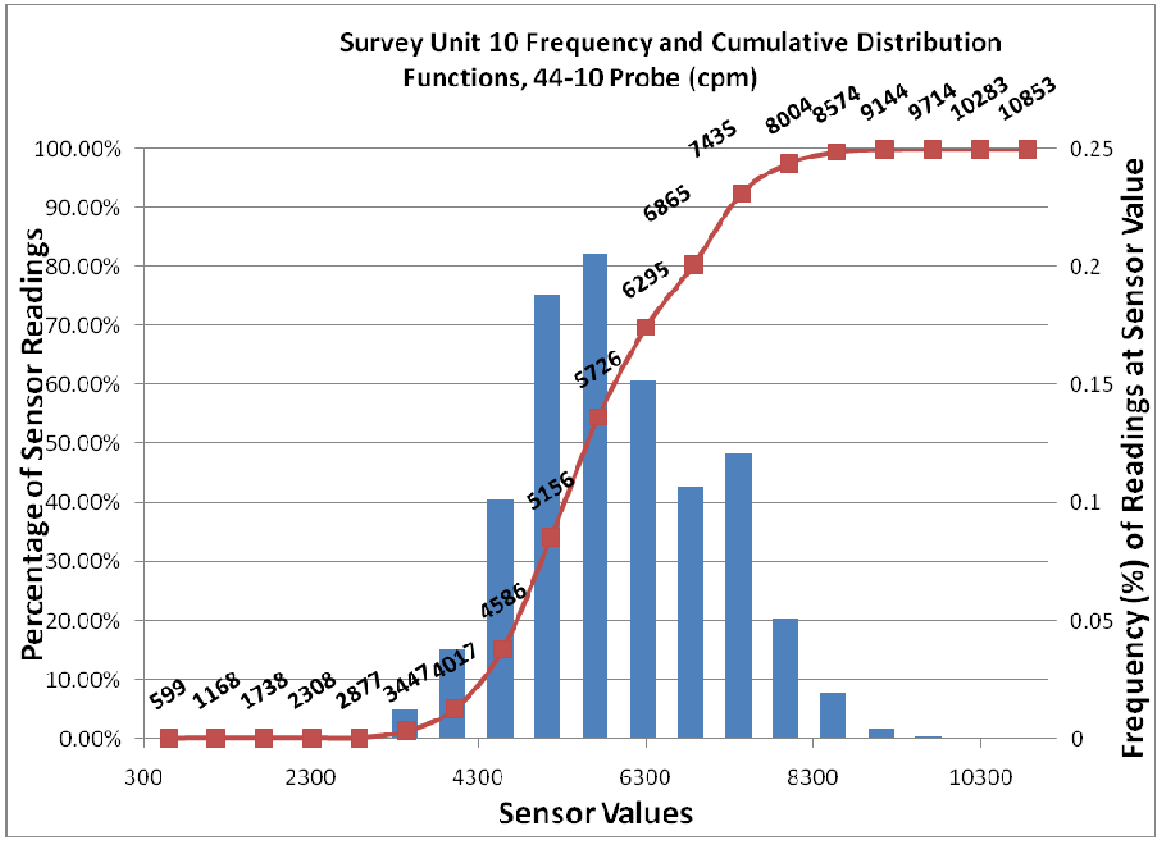
Descriptive Statistics	
Mean	5726
Standard Deviation	1139
Minimum	508
Maximum	10456
# of Data Points	3584

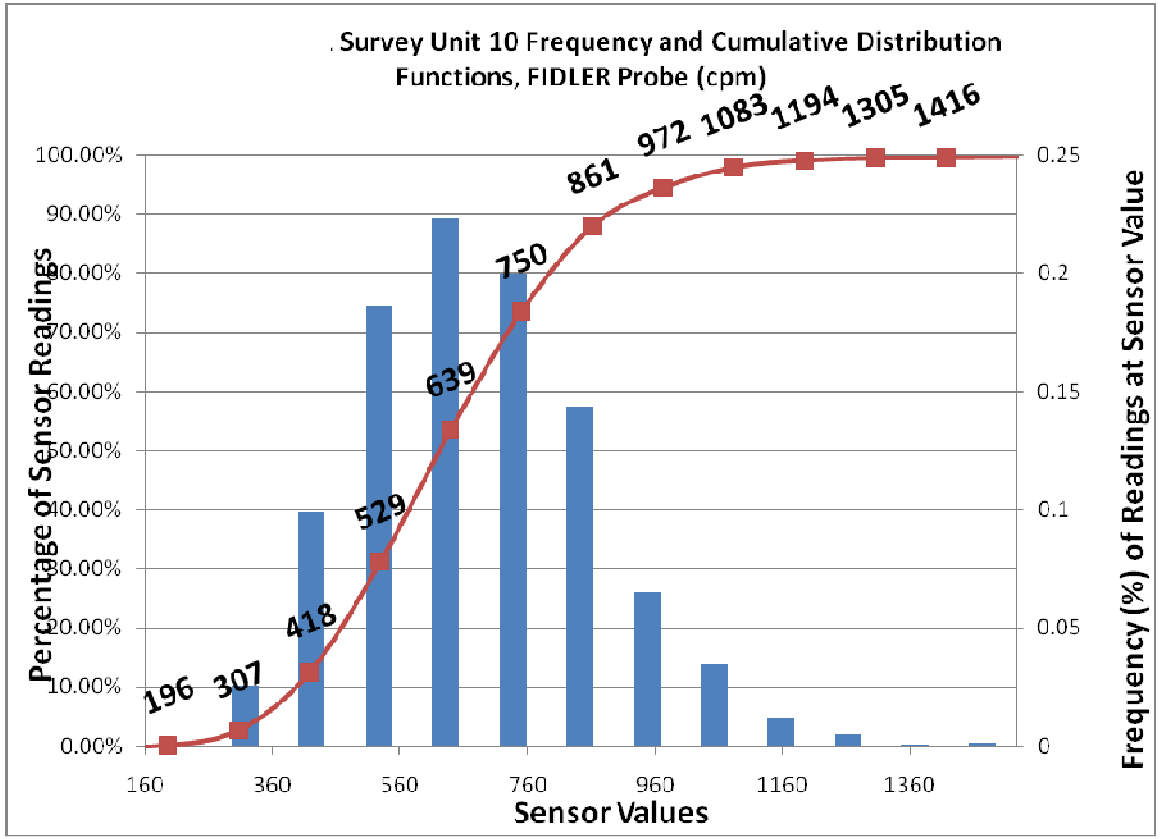
SU-10 FIDLER Gamma Walkover



Legend	# of Readings
□ < Background + 2σ	4087
○ Background + 2σ to Background + 4σ	74
× > Background + 4σ	13

Descriptive Statistics	
Mean	639
Standard Deviation	222
Minimum	116
Maximum	3869
# of Data Points	4174


Survey Unit 10 Frequency and Cumulative Distribution Functions, 44-10 Probe (cpm)
Percentage of Sensor Readings
Frequency (%) of Readings at Sensor Value
Sensor Values
100.00%
90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
0.25
0.2
0.15
0.1
0.05
0
300
2300
4300
6300
8300
10300
599
1168
1738
2308
2877
3447
4017
4586
5156
5726
6295
6865
7435
8004
8574
9144
9714
10283
10853


Survey Unit 10 Frequency and Cumulative Distribution Functions, FIDLER Probe (cpm)
Percentage of Sensor Readings
Frequency (%) of Readings at Sensor Value
Sensor Values
100.00%
90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
0.25
0.2
0.15
0.1
0.05
0
160
360
560
760
960
1160
1360
196
307
418
529
639
750
861
972
1083
1194
1305
1416

B.77

Coordinates for SU 1, 2, 3, 4, 5, 8, 9, 10

Sample Location	Easting	Northing
4101-0118A-HO	1464387.000	597925.000
4101-0119A-HO	1464402.000	597925.000
4101-0120A-HO	1464417.000	597925.000
4101-0121A-HO	1464432.000	597925.000
4101-0122A-HO	1464319.000	597938.000
4101-0123A-HO	1464334.000	597938.000
4101-0124A-HO	1464349.000	597938.000
4101-0125A-HO	1464364.000	597938.000
4101-0126A-HO	1464379.000	597938.000
4101-0127A-HO	1464394.000	597938.000
4101-0128A-HO	1464409.000	597938.000
4101-0129A-HO	1464424.000	597938.000
4101-0130A-HO	1464439.000	597938.000
4101-0131A-HO	1464454.000	597938.000
4101-0132A-HO	1464469.000	597938.000
4101-0133A-HO	1464327.000	597951.000
4101-0134A-HO	1464342.000	597951.000
4101-0135A-HO	1464357.000	597951.000
4101-0136A-HO	1464372.000	597951.000
4101-0137A-HO	1464387.000	597951.000
4101-0138A-HO	1464402.000	597951.000
4101-0139A-HO	1464417.000	597951.000
4101-0140A-HO	1464432.000	597951.000
4101-0141A-HO	1464447.000	597951.000
4101-0142A-HO	1464462.000	597951.000
4101-0143A-HO	1464319.000	597964.000
4101-0144A-HO	1464334.000	597964.000
4101-0145A-HO	1464349.000	597964.000
4101-0146A-HO	1464364.000	597964.000
4101-0147A-HO	1464379.000	597964.000
4101-0148A-HO	1464394.000	597964.000
4101-0149A-HO	1464409.000	597964.000
4101-0150A-HO	1464424.000	597964.000
4101-0151A-HO	1464439.000	597964.000
4101-0152A-HO	1464454.000	597964.000
4101-0153A-HO	1464469.000	597964.000
4101-0154A-HO	1464327.000	597977.000
4101-0155A-HO	1464342.000	597977.000
4101-0156A-HO	1464357.000	597977.000
4101-0157A-HO	1464372.000	597977.000
4101-0158A-HO	1464387.000	597977.000
4101-0159A-HO	1464402.000	597977.000

Sample Location	Easting	Northing
4101-0160A-HO	1464417.000	597977.000
4101-0161A-HO	1464432.000	597977.000
4101-0162A-HO	1464447.000	597977.000
4101-0163A-HO	1464462.000	597977.000
4101-0164A-HO	1464289.000	597990.000
4101-0165A-HO	1464304.000	597990.000
4101-0166A-HO	1464319.000	597990.000
4101-0167A-HO	1464334.000	597990.000
4101-0168A-HO	1464349.000	597990.000
4101-0169A-HO	1464364.000	597990.000
4101-0170A-HO	1464379.000	597990.000
4101-0171A-HO	1464394.000	597990.000
4101-0172A-HO	1464409.000	597990.000
4101-0173A-HO	1464424.000	597990.000
4101-0174A-HO	1464439.000	597990.000
4101-0175A-HO	1464454.000	597990.000
4101-0176A-HO	1464469.000	597990.000
4101-0177A-HO	1464327.000	598003.000
4101-0178A-HO	1464342.000	598003.000
4101-0179A-HO	1464357.000	598003.000
4101-0180A-HO	1464372.000	598003.000
4101-0181A-HO	1464387.000	598003.000
4101-0182A-HO	1464402.000	598003.000
4101-0183A-HO	1464417.000	598003.000
4101-0184A-HO	1464432.000	598003.000
4101-0185A-HO	1464447.000	598003.000
4101-0186A-HO	1464462.000	598003.000
4101-0187A-HO	1464334.000	598016.000
4101-0188A-HO	1464349.000	598016.000
4101-0189A-HO	1464364.000	598016.000
4101-0190A-HO	1464379.000	598016.000
4101-0191A-HO	1464394.000	598016.000
4101-0192A-HO	1464409.000	598016.000
4101-0193A-HO	1464424.000	598016.000
4101-0194A-HO	1464439.000	598016.000
4101-0195A-HO	1464454.000	598016.000
4101-0196A-HO	1464469.000	598016.000
4101-0197A-HO	1464357.000	598029.000
4101-0198A-HO	1464372.000	598029.000
4101-0199A-HO	1464387.000	598029.000
4101-0200A-HO	1464402.000	598029.000
4101-0201A-HO	1464417.000	598029.000

Sample Location	Easting	Northing
4101-0202A-HO	1464432.000	598029.000
4101-0203A-HO	1464447.000	598029.000
4101-0204A-HO	1464462.000	598029.000
4101-0205A-HO	1464364.000	598042.000
4101-0206A-HO	1464379.000	598042.000
4101-0207A-HO	1464394.000	598042.000
4101-0208A-HO	1464409.000	598042.000
4101-0209A-HO	1464424.000	598042.000
4101-0210A-HO	1464439.000	598042.000
4101-0211A-HO	1464454.000	598042.000
4101-0212A-HO	1464469.000	598042.000
4101-0213A-HO	1464387.000	598055.000
4101-0214A-HO	1464402.000	598055.000
4101-0215A-HO	1464417.000	598055.000
4101-0216A-HO	1464432.000	598055.000
4101-0217A-HO	1464447.000	598055.000
4101-0218A-HO	1464462.000	598055.000
4101-0219A-HO	1464379.000	598068.000
4101-0220A-HO	1464394.000	598068.000
4101-0221A-HO	1464409.000	598068.000
4101-0222A-HO	1464424.000	598068.000
4101-0223A-HO	1464439.000	598068.000
4101-0224A-HO	1464454.000	598068.000
4101-0225A-HO	1464469.000	598068.000
4101-0226A-FO	1464464.000	598043.000
4101-0227A-FO	1464424.000	598064.000
4101-0228A-FO	1464466.000	597998.000
4101-0229A-FO	1464426.000	598019.000
4101-0230A-FO	1464386.000	598040.000
4101-0231A-FO	1464468.000	597953.000
4101-0232A-FO	1464428.000	597974.000
4101-0233A-FO	1464388.000	597994.000
4101-0234A-FO	1464348.000	598015.000
4101-0235A-FO	1464430.000	597929.000
4101-0236A-FO	1464390.000	597949.000
4101-0237A-FO	1464350.000	597970.000
4101-0238A-FO	1464310.000	597991.000
4102-0239A-HO	1464479.000	597934.000
4102-0240A-HO	1464494.000	597934.000
4102-0241A-HO	1464487.000	597947.000
4102-0242A-HO	1464502.000	597947.000
4102-0243A-HO	1464517.000	597947.000

Sample Location	Easting	Northing
4102-0244A-HO	1464532.000	597947.000
4102-0245A-HO	1464547.000	597947.000
4102-0246A-HO	1464479.000	597960.000
4102-0247A-HO	1464494.000	597960.000
4102-0248A-HO	1464509.000	597960.000
4102-0249A-HO	1464524.000	597960.000
4102-0250A-HO	1464539.000	597960.000
4102-0251A-HO	1464554.000	597960.000
4102-0252A-HO	1464569.000	597960.000
4102-0253A-HO	1464584.000	597960.000
4102-0254A-HO	1464599.000	597960.000
4102-0255A-HO	1464614.000	597960.000
4102-0256A-HO	1464629.000	597960.000
4102-0257A-HO	1464487.000	597973.000
4102-0258A-HO	1464502.000	597973.000
4102-0259A-HO	1464517.000	597973.000
4102-0260A-HO	1464532.000	597973.000
4102-0261A-HO	1464547.000	597973.000
4102-0262A-HO	1464562.000	597973.000
4102-0263A-HO	1464577.000	597973.000
4102-0264A-HO	1464592.000	597973.000
4102-0265A-HO	1464607.000	597973.000
4102-0266A-HO	1464622.000	597973.000
4102-0267A-HO	1464637.000	597973.000
4102-0268A-HO	1464479.000	597986.000
4102-0269A-HO	1464494.000	597986.000
4102-0270A-HO	1464509.000	597986.000
4102-0271A-HO	1464524.000	597986.000
4102-0272A-HO	1464539.000	597986.000
4102-0273A-HO	1464554.000	597986.000
4102-0274A-HO	1464569.000	597986.000
4102-0275A-HO	1464584.000	597986.000
4102-0276A-HO	1464599.000	597986.000
4102-0277A-HO	1464614.000	597986.000
4102-0278A-HO	1464629.000	597986.000
4102-0279A-HO	1464487.000	597999.000
4102-0280A-HO	1464502.000	597999.000
4102-0281A-HO	1464517.000	597999.000
4102-0282A-HO	1464532.000	597999.000
4102-0283A-HO	1464547.000	597999.000
4102-0284A-HO	1464562.000	597999.000
4102-0285A-HO	1464577.000	597999.000

Sample Location	Easting	Northing
4102-0286A-HO	1464592.000	597999.000
4102-0287A-HO	1464607.000	597999.000
4102-0288A-HO	1464622.000	597999.000
4102-0289A-HO	1464637.000	597999.000
4102-0290A-HO	1464479.000	598012.000
4102-0291A-HO	1464494.000	598012.000
4102-0292A-HO	1464509.000	598012.000
4102-0293A-HO	1464524.000	598012.000
4102-0294A-HO	1464539.000	598012.000
4102-0295A-HO	1464554.000	598012.000
4102-0296A-HO	1464569.000	598012.000
4102-0297A-HO	1464584.000	598012.000
4102-0298A-HO	1464599.000	598012.000
4102-0299A-HO	1464614.000	598012.000
4102-0300A-HO	1464629.000	598012.000
4102-0301A-HO	1464487.000	598025.000
4102-0302A-HO	1464502.000	598025.000
4102-0303A-HO	1464517.000	598025.000
4102-0304A-HO	1464532.000	598025.000
4102-0305A-HO	1464547.000	598025.000
4102-0306A-HO	1464562.000	598025.000
4102-0307A-HO	1464577.000	598025.000
4102-0308A-HO	1464592.000	598025.000
4102-0309A-HO	1464607.000	598025.000
4102-0310A-HO	1464622.000	598025.000
4102-0311A-HO	1464479.000	598038.000
4102-0312A-HO	1464494.000	598038.000
4102-0313A-HO	1464509.000	598038.000
4102-0314A-HO	1464524.000	598038.000
4102-0315A-HO	1464539.000	598038.000
4102-0316A-HO	1464554.000	598038.000
4102-0317A-HO	1464569.000	598038.000
4102-0318A-HO	1464584.000	598038.000
4102-0319A-HO	1464599.000	598038.000
4102-0320A-HO	1464614.000	598038.000
4102-0321A-HO	1464629.000	598038.000
4102-0322A-HO	1464487.000	598051.000
4102-0323A-HO	1464502.000	598051.000
4102-0324A-HO	1464517.000	598051.000
4102-0325A-HO	1464532.000	598051.000
4102-0326A-HO	1464547.000	598051.000
4102-0327A-HO	1464562.000	598051.000

Sample Location	Easting	Northing
4102-0328A-HO	1464577.000	598051.000
4102-0329A-HO	1464592.000	598051.000
4102-0330A-HO	1464607.000	598051.000
4102-0331A-HO	1464622.000	598051.000
4102-0332A-HO	1464479.000	598064.000
4102-0333A-HO	1464494.000	598064.000
4102-0334A-HO	1464509.000	598064.000
4102-0335A-HO	1464524.000	598064.000
4102-0336A-HO	1464539.000	598064.000
4102-0337A-HO	1464554.000	598064.000
4102-0338A-HO	1464569.000	598064.000
4102-0339A-HO	1464584.000	598064.000
4102-0340A-HO	1464599.000	598064.000
4102-0341A-HO	1464614.000	598064.000
4102-0342A-HO	1464629.000	598064.000
4102-0343A-HO	1464532.000	598077.000
4102-0344A-HO	1464547.000	598077.000
4102-0345A-HO	1464562.000	598077.000
4102-0346A-HO	1464577.000	598077.000
4102-0347A-HO	1464592.000	598077.000
4102-0348A-HO	1464607.000	598077.000
4102-0349A-HO	1464622.000	598077.000
4102-0350A-FO	1464508.000	598063.000
4102-0351A-FO	1464479.000	598028.000
4102-0352A-FO	1464552.000	598056.000
4102-0353A-FO	1464524.000	598021.000
4102-0354A-FO	1464496.000	597986.000
4102-0355A-FO	1464597.000	598050.000
4102-0356A-FO	1464569.000	598014.000
4102-0357A-FO	1464541.000	597979.000
4102-0358A-FO	1464512.000	597943.000
4102-0359A-FO	1464614.000	598007.000
4102-0360A-FO	1464586.000	597972.000
4102-0361A-FO	1464630.000	597965.000
4103-0480A-HO	1464648.000	597959.000
4103-0481A-HO	1464663.000	597959.000
4103-0482A-HO	1464678.000	597959.000
4103-0483A-HO	1464693.000	597959.000
4103-0484A-HO	1464708.000	597959.000
4103-0485A-HO	1464723.000	597959.000
4103-0486A-HO	1464641.000	597972.000
4103-0487A-HO	1464656.000	597972.000

Sample Location	Easting	Northing
4103-0488A-HO	1464671.000	597972.000
4103-0489A-HO	1464686.000	597972.000
4103-0490A-HO	1464701.000	597972.000
4103-0491A-HO	1464716.000	597972.000
4103-0492A-HO	1464731.000	597972.000
4103-0493A-HO	1464746.000	597972.000
4103-0494A-HO	1464761.000	597972.000
4103-0495A-HO	1464776.000	597972.000
4103-0496A-HO	1464648.000	597985.000
4103-0497A-HO	1464663.000	597985.000
4103-0498A-HO	1464678.000	597985.000
4103-0499A-HO	1464693.000	597985.000
4103-0500A-HO	1464708.000	597985.000
4103-0501A-HO	1464723.000	597985.000
4103-0502A-HO	1464738.000	597985.000
4103-0503A-HO	1464753.000	597985.000
4103-0504A-HO	1464768.000	597985.000
4103-0505A-HO	1464783.000	597985.000
4103-0506A-HO	1464798.000	597985.000
4103-0507A-HO	1464813.000	597985.000
4103-0508A-HO	1464641.000	597998.000
4103-0509A-HO	1464656.000	597998.000
4103-0510A-HO	1464671.000	597998.000
4103-0511A-HO	1464686.000	597998.000
4103-0512A-HO	1464701.000	597998.000
4103-0513A-HO	1464716.000	597998.000
4103-0514A-HO	1464731.000	597998.000
4103-0515A-HO	1464746.000	597998.000
4103-0516A-HO	1464761.000	597998.000
4103-0517A-HO	1464776.000	597998.000
4103-0518A-HO	1464791.000	597998.000
4103-0519A-HO	1464806.000	597998.000
4103-0520A-HO	1464633.000	598011.000
4103-0521A-HO	1464648.000	598011.000
4103-0522A-HO	1464663.000	598011.000
4103-0523A-HO	1464678.000	598011.000
4103-0524A-HO	1464693.000	598011.000
4103-0525A-HO	1464708.000	598011.000
4103-0526A-HO	1464723.000	598011.000
4103-0527A-HO	1464738.000	598011.000
4103-0528A-HO	1464753.000	598011.000
4103-0529A-HO	1464768.000	598011.000

Sample Location	Easting	Northing
4103-0530A-HO	1464783.000	598011.000
4103-0531A-HO	1464798.000	598011.000
4103-0532A-HO	1464641.000	598024.000
4103-0533A-HO	1464656.000	598024.000
4103-0534A-HO	1464671.000	598024.000
4103-0535A-HO	1464686.000	598024.000
4103-0536A-HO	1464701.000	598024.000
4103-0537A-HO	1464716.000	598024.000
4103-0538A-HO	1464731.000	598024.000
4103-0539A-HO	1464746.000	598024.000
4103-0540A-HO	1464761.000	598024.000
4103-0541A-HO	1464776.000	598024.000
4103-0542A-HO	1464791.000	598024.000
4103-0543A-HO	1464806.000	598024.000
4103-0544A-HO	1464633.000	598037.000
4103-0545A-HO	1464648.000	598037.000
4103-0546A-HO	1464663.000	598037.000
4103-0547A-HO	1464678.000	598037.000
4103-0548A-HO	1464693.000	598037.000
4103-0549A-HO	1464708.000	598037.000
4103-0550A-HO	1464723.000	598037.000
4103-0551A-HO	1464738.000	598037.000
4103-0552A-HO	1464753.000	598037.000
4103-0553A-HO	1464768.000	598037.000
4103-0554A-HO	1464783.000	598037.000
4103-0555A-HO	1464798.000	598037.000
4103-0556A-HO	1464641.000	598050.000
4103-0557A-HO	1464656.000	598050.000
4103-0558A-HO	1464671.000	598050.000
4103-0559A-HO	1464686.000	598050.000
4103-0560A-HO	1464701.000	598050.000
4103-0561A-HO	1464716.000	598050.000
4103-0562A-HO	1464731.000	598050.000
4103-0563A-HO	1464746.000	598050.000
4103-0564A-HO	1464761.000	598050.000
4103-0565A-HO	1464776.000	598050.000
4103-0566A-HO	1464791.000	598050.000
4103-0567A-HO	1464806.000	598050.000
4103-0568A-HO	1464633.000	598063.000
4103-0569A-HO	1464648.000	598063.000
4103-0570A-HO	1464663.000	598063.000
4103-0571A-HO	1464678.000	598063.000

Sample Location	Easting	Northing
4103-0572A-HO	1464693.000	598063.000
4103-0573A-HO	1464708.000	598063.000
4103-0574A-HO	1464723.000	598063.000
4103-0575A-HO	1464738.000	598063.000
4103-0576A-HO	1464753.000	598063.000
4103-0577A-HO	1464768.000	598063.000
4103-0578A-HO	1464783.000	598063.000
4103-0579A-HO	1464798.000	598063.000
4103-0581A-HO	1464686.000	598076.000
4103-0582A-HO	1464701.000	598076.000
4103-0583A-HO	1464716.000	598076.000
4103-0584A-HO	1464731.000	598076.000
4103-0585A-HO	1464746.000	598076.000
4103-0586A-HO	1464761.000	598076.000
4103-0587A-HO	1464776.000	598076.000
4103-0588A-HO	1464791.000	598076.000
4103-0589A-FO	1464809.000	598000.000
4103-0590A-FO	1464735.000	597974.000
4103-0591A-FO	1464764.000	598008.000
4103-0592A-FO	1464794.000	598042.000
4103-0593A-FO	1464690.000	597982.000
4103-0594A-FO	1464720.000	598017.000
4103-0595A-FO	1464749.000	598051.000
4103-0596A-FO	1464779.000	598085.000
4103-0597A-FO	1464646.000	597991.000
4103-0598A-FO	1464675.000	598025.000
4103-0599A-FO	1464705.000	598059.000
4103-0600A-FO	1464631.000	598034.000
4103-0601A-FO	1464661.000	598068.000
4104-0602A-HO	1464823.000	597992.000
4104-0603A-HO	1464838.000	597992.000
4104-0604A-HO	1464816.000	598005.000
4104-0605A-HO	1464831.000	598005.000
4104-0606A-HO	1464846.000	598005.000
4104-0607A-HO	1464823.000	598018.000
4104-0608A-HO	1464838.000	598018.000
4104-0609A-HO	1464816.000	598031.000
4104-0610A-HO	1464831.000	598031.000
4104-0611A-HO	1464846.000	598031.000
4104-0612A-HO	1464808.000	598044.000
4104-0613A-HO	1464823.000	598044.000
4104-0614A-HO	1464838.000	598044.000

Sample Location	Easting	Northing
4104-0615A-HO	1464816.000	598057.000
4104-0616A-HO	1464831.000	598057.000
4104-0617A-HO	1464808.000	598070.000
4104-0618A-HO	1464823.000	598070.000
4104-0619A-HO	1464838.000	598070.000
4104-0620A-HO	1464636.000	598083.000
4104-0621A-HO	1464651.000	598083.000
4104-0622A-HO	1464666.000	598083.000
4104-0623A-HO	1464681.000	598083.000
4104-0624A-HO	1464696.000	598083.000
4104-0625A-HO	1464711.000	598083.000
4104-0626A-HO	1464726.000	598083.000
4104-0627A-HO	1464741.000	598083.000
4104-0628A-HO	1464801.000	598083.000
4104-0629A-HO	1464816.000	598083.000
4104-0630A-HO	1464831.000	598083.000
4104-0631A-HO	1464643.000	598096.000
4104-0632A-HO	1464658.000	598096.000
4104-0633A-HO	1464673.000	598096.000
4104-0634A-HO	1464688.000	598096.000
4104-0635A-HO	1464703.000	598096.000
4104-0636A-HO	1464718.000	598096.000
4104-0637A-HO	1464733.000	598096.000
4104-0638A-HO	1464748.000	598096.000
4104-0639A-HO	1464763.000	598096.000
4104-0640A-HO	1464778.000	598096.000
4104-0641A-HO	1464793.000	598096.000
4104-0642A-HO	1464808.000	598096.000
4104-0643A-HO	1464823.000	598096.000
4104-0644A-HO	1464838.000	598096.000
4104-0645A-HO	1464853.000	598096.000
4104-0646A-HO	1464636.000	598109.000
4104-0647A-HO	1464651.000	598109.000
4104-0648A-HO	1464666.000	598109.000
4104-0649A-HO	1464681.000	598109.000
4104-0650A-HO	1464696.000	598109.000
4104-0651A-HO	1464711.000	598109.000
4104-0652A-HO	1464726.000	598109.000
4104-0653A-HO	1464741.000	598109.000
4104-0654A-HO	1464756.000	598109.000
4104-0655A-HO	1464771.000	598109.000
4104-0656A-HO	1464786.000	598109.000

Sample Location	Easting	Northing
4104-0657A-HO	1464801.000	598109.000
4104-0658A-HO	1464816.000	598109.000
4104-0659A-HO	1464831.000	598109.000
4104-0660A-HO	1464846.000	598109.000
4104-0661A-HO	1464861.000	598109.000
4104-0662A-HO	1464876.000	598109.000
4104-0663A-HO	1464643.000	598122.000
4104-0664A-HO	1464658.000	598122.000
4104-0665A-HO	1464673.000	598122.000
4104-0666A-HO	1464688.000	598122.000
4104-0667A-HO	1464703.000	598122.000
4104-0668A-HO	1464718.000	598122.000
4104-0669A-HO	1464733.000	598122.000
4104-0670A-HO	1464748.000	598122.000
4104-0671A-HO	1464763.000	598122.000
4104-0672A-HO	1464778.000	598122.000
4104-0673A-HO	1464793.000	598122.000
4104-0674A-HO	1464808.000	598122.000
4104-0675A-HO	1464823.000	598122.000
4104-0676A-HO	1464838.000	598122.000
4104-0677A-HO	1464853.000	598122.000
4104-0678A-HO	1464868.000	598122.000
4104-0679A-HO	1464883.000	598122.000
4104-0680A-HO	1464696.000	598135.000
4104-0681A-HO	1464711.000	598135.000
4104-0682A-HO	1464726.000	598135.000
4104-0683A-HO	1464741.000	598135.000
4104-0684A-HO	1464756.000	598135.000
4104-0685A-HO	1464771.000	598135.000
4104-0686A-HO	1464786.000	598135.000
4104-0687A-HO	1464801.000	598135.000
4104-0688A-HO	1464816.000	598135.000
4104-0689A-HO	1464831.000	598135.000
4104-0690A-HO	1464846.000	598135.000
4104-0691A-HO	1464861.000	598135.000
4104-0692A-HO	1464876.000	598135.000
4104-0693A-HO	1464733.000	598148.000
4104-0694A-HO	1464748.000	598148.000
4104-0695A-HO	1464763.000	598148.000
4104-0696A-HO	1464778.000	598148.000
4104-0697A-HO	1464793.000	598148.000
4104-0698A-HO	1464808.000	598148.000

Sample Location	Easting	Northing
4104-0699A-HO	1464823.000	598148.000
4104-0700A-HO	1464838.000	598148.000
4104-0701A-HO	1464853.000	598148.000
4104-0702A-HO	1464868.000	598148.000
4104-0703A-HO	1464883.000	598148.000
4104-0704A-HO	1464741.000	598161.000
4104-0705A-HO	1464756.000	598161.000
4104-0706A-HO	1464771.000	598161.000
4104-0707A-HO	1464786.000	598161.000
4104-0708A-HO	1464801.000	598161.000
4104-0709A-HO	1464816.000	598161.000
4104-0710A-HO	1464831.000	598161.000
4104-0711A-HO	1464846.000	598161.000
4104-0712A-HO	1464861.000	598161.000
4104-0713A-HO	1464876.000	598161.000
4104-0714A-FO	1464849.000	597995.000
4104-0715A-FO	1464822.000	598031.000
4104-0716A-FO	1464840.000	598073.000
4104-0717A-FO	1464858.000	598115.000
4104-0718A-FO	1464876.000	598157.000
4104-0719A-FO	1464813.000	598110.000
4104-0720A-FO	1464831.000	598152.000
4104-0721A-FO	1464767.000	598104.000
4104-0722A-FO	1464786.000	598146.000
4104-0723A-FO	1464722.000	598099.000
4104-0724A-FO	1464740.000	598141.000
4104-0725A-FO	1464677.000	598094.000
4104-0726A-FO	1464695.000	598136.000
4104-0999A-FO	1464632.000	598089.000
4105-0363A-HO	1464677.000	597911.000
4105-0364A-HO	1464692.000	597911.000
4105-0365A-HO	1464654.000	597924.000
4105-0366A-HO	1464669.000	597924.000
4105-0367A-HO	1464684.000	597924.000
4105-0368A-HO	1464662.000	597937.000
4105-0369A-HO	1464677.000	597937.000
4105-0370A-HO	1464692.000	597937.000
4105-0371A-HO	1464654.000	597950.000
4105-0372A-HO	1464669.000	597950.000
4105-0373A-HO	1464684.000	597950.000
4105-0374A-HO	1464699.000	597950.000
4105-0375A-HO	1464714.000	597950.000

Sample Location	Easting	Northing
4105-0376A-HO	1464729.000	597950.000
4105-0377A-HO	1464744.000	597950.000
4105-0378A-HO	1464759.000	597950.000
4105-0379A-HO	1464767.000	597963.000
4105-0380A-HO	1464782.000	597963.000
4105-0381A-HO	1464797.000	597963.000
4105-0382A-HO	1464812.000	597963.000
4105-0383A-HO	1464804.000	597976.000
4105-0384A-HO	1464819.000	597976.000
4105-0385A-HO	1464834.000	597976.000
4105-0386A-HO	1464849.000	597976.000
4105-0387A-HO	1464857.000	597989.000
4105-0388A-HO	1464864.000	598002.000
4105-0389A-HO	1464879.000	598002.000
4105-0390A-HO	1464857.000	598015.000
4105-0391A-HO	1464872.000	598015.000
4105-0392A-HO	1464887.000	598015.000
4105-0393A-HO	1464849.000	598028.000
4105-0394A-HO	1464864.000	598028.000
4105-0395A-HO	1464879.000	598028.000
4105-0396A-HO	1464894.000	598028.000
4105-0397A-HO	1464857.000	598041.000
4105-0398A-HO	1464872.000	598041.000
4105-0399A-HO	1464887.000	598041.000
4105-0400A-HO	1464902.000	598041.000
4105-0401A-HO	1464917.000	598041.000
4105-0402A-HO	1464849.000	598054.000
4105-0403A-HO	1464864.000	598054.000
4105-0404A-HO	1464879.000	598054.000
4105-0405A-HO	1464894.000	598054.000
4105-0406A-HO	1464909.000	598054.000
4105-0407A-HO	1464924.000	598054.000
4105-0408A-HO	1464857.000	598067.000
4105-0409A-HO	1464872.000	598067.000
4105-0410A-HO	1464887.000	598067.000
4105-0411A-HO	1464902.000	598067.000
4105-0412A-HO	1464917.000	598067.000
4105-0413A-HO	1464932.000	598067.000
4105-0414A-HO	1464849.000	598080.000
4105-0415A-HO	1464864.000	598080.000
4105-0416A-HO	1464879.000	598080.000
4105-0417A-HO	1464894.000	598080.000

Sample Location	Easting	Northing
4105-0418A-HO	1464909.000	598080.000
4105-0419A-HO	1464924.000	598080.000
4105-0420A-HO	1464939.000	598080.000
4105-0421A-HO	1464954.000	598080.000
4105-0422A-HO	1464842.000	598093.000
4105-0423A-HO	1464857.000	598093.000
4105-0424A-HO	1464872.000	598093.000
4105-0425A-HO	1464887.000	598093.000
4105-0426A-HO	1464902.000	598093.000
4105-0427A-HO	1464917.000	598093.000
4105-0428A-HO	1464932.000	598093.000
4105-0429A-HO	1464947.000	598093.000
4105-0430A-HO	1464962.000	598093.000
4105-0431A-HO	1464894.000	598106.000
4105-0432A-HO	1464909.000	598106.000
4105-0433A-HO	1464924.000	598106.000
4105-0434A-HO	1464939.000	598106.000
4105-0435A-HO	1464954.000	598106.000
4105-0436A-HO	1464969.000	598106.000
4105-0437A-HO	1464887.000	598119.000
4105-0438A-HO	1464902.000	598119.000
4105-0439A-HO	1464917.000	598119.000
4105-0440A-HO	1464932.000	598119.000
4105-0441A-HO	1464947.000	598119.000
4105-0442A-HO	1464962.000	598119.000
4105-0443A-HO	1464977.000	598119.000
4105-0444A-HO	1464992.000	598119.000
4105-0445A-HO	1464894.000	598132.000
4105-0446A-HO	1464909.000	598132.000
4105-0447A-HO	1464924.000	598132.000
4105-0448A-HO	1464939.000	598132.000
4105-0449A-HO	1464954.000	598132.000
4105-0450A-HO	1464969.000	598132.000
4105-0451A-HO	1464984.000	598132.000
4105-0452A-HO	1464887.000	598145.000
4105-0453A-HO	1464902.000	598145.000
4105-0454A-HO	1464917.000	598145.000
4105-0455A-HO	1464932.000	598145.000
4105-0456A-HO	1464947.000	598145.000
4105-0457A-HO	1464962.000	598145.000
4105-0458A-HO	1464977.000	598145.000
4105-0459A-HO	1464992.000	598145.000

Sample Location	Easting	Northing
4105-0460A-HO	1464894.000	598158.000
4105-0461A-HO	1464909.000	598158.000
4105-0462A-HO	1464924.000	598158.000
4105-0463A-HO	1464939.000	598158.000
4105-0464A-HO	1464954.000	598158.000
4105-0465A-HO	1464969.000	598158.000
4105-0466A-HO	1464984.000	598158.000
4105-0854A-FO	1464667.000	597940.000
4105-0855A-FO	1464710.000	597951.000
4105-0856A-FO	1464752.000	597962.000
4105-0857A-FO	1464795.000	597973.000
4105-0858A-FO	1464838.000	597984.000
4105-0859A-FO	1464849.000	598026.000
4105-0860A-FO	1464892.000	598037.000
4105-0861A-FO	1464861.000	598069.000
4105-0862A-FO	1464904.000	598080.000
4105-0863A-FO	1464947.000	598090.000
4105-0864A-FO	1464916.000	598122.000
4105-0865A-FO	1464959.000	598133.000
4105-0866A-FO	1464928.000	598164.000
4108-0727A-HO	1464715.000	598157.000
4108-0728A-HO	1464700.000	598156.000
4108-0729A-HO	1464685.000	598156.000
4108-0730A-HO	1464670.000	598155.000
4108-0731A-HO	1464655.000	598154.000
4108-0732A-HO	1464640.000	598153.000
4108-0733A-HO	1464625.000	598152.000
4108-0734A-HO	1464610.000	598152.000
4108-0735A-HO	1464595.000	598151.000
4108-0736A-HO	1464580.000	598150.000
4108-0737A-HO	1464565.000	598149.000
4108-0738A-HO	1464550.000	598149.000
4108-0739A-HO	1464535.000	598148.000
4108-0740A-HO	1464520.000	598147.000
4108-0741A-HO	1464723.000	598144.000
4108-0742A-HO	1464708.000	598144.000
4108-0743A-HO	1464693.000	598143.000
4108-0744A-HO	1464678.000	598142.000
4108-0745A-HO	1464663.000	598141.000
4108-0746A-HO	1464648.000	598141.000
4108-0747A-HO	1464633.000	598140.000
4108-0748A-HO	1464618.000	598139.000

Sample Location	Easting	Northing
4108-0749A-HO	1464603.000	598138.000
4108-0750A-HO	1464589.000	598138.000
4108-0751A-HO	1464574.000	598137.000
4108-0752A-HO	1464559.000	598136.000
4108-0753A-HO	1464544.000	598135.000
4108-0754A-HO	1464529.000	598135.000
4108-0755A-HO	1464514.000	598134.000
4108-0756A-HO	1464499.000	598133.000
4108-0757A-HO	1464484.000	598132.000
4108-0758A-HO	1464469.000	598132.000
4108-0759A-HO	1464454.000	598131.000
4108-0760A-HO	1464439.000	598130.000
4108-0761A-HO	1464424.000	598129.000
4108-0762A-HO	1464627.000	598127.000
4108-0763A-HO	1464612.000	598126.000
4108-0764A-HO	1464597.000	598125.000
4108-0765A-HO	1464582.000	598124.000
4108-0766A-HO	1464567.000	598124.000
4108-0767A-HO	1464552.000	598123.000
4108-0768A-HO	1464537.000	598122.000
4108-0769A-HO	1464522.000	598121.000
4108-0770A-HO	1464507.000	598120.000
4108-0771A-HO	1464492.000	598120.000
4108-0772A-HO	1464477.000	598119.000
4108-0773A-HO	1464462.000	598118.000
4108-0774A-HO	1464447.000	598117.000
4108-0775A-HO	1464432.000	598117.000
4108-0776A-HO	1464417.000	598116.000
4108-0777A-HO	1464402.000	598115.000
4108-0778A-HO	1464387.000	598114.000
4108-0779A-HO	1464372.000	598114.000
4108-0780A-HO	1464620.000	598113.000
4108-0781A-HO	1464605.000	598112.000
4108-0782A-HO	1464590.000	598112.000
4108-0783A-HO	1464575.000	598111.000
4108-0784A-HO	1464560.000	598110.000
4108-0785A-HO	1464545.000	598109.000
4108-0786A-HO	1464530.000	598109.000
4108-0787A-HO	1464515.000	598108.000
4108-0788A-HO	1464500.000	598107.000
4108-0789A-HO	1464485.000	598106.000
4108-0790A-HO	1464470.000	598106.000

Sample Location	Easting	Northing
4108-0791A-HO	1464455.000	598105.000
4108-0792A-HO	1464440.000	598104.000
4108-0793A-HO	1464425.000	598103.000
4108-0794A-HO	1464410.000	598103.000
4108-0795A-HO	1464395.000	598102.000
4108-0796A-HO	1464380.000	598101.000
4108-0797A-HO	1464628.000	598101.000
4108-0798A-HO	1464613.000	598100.000
4108-0799A-HO	1464598.000	598099.000
4108-0800A-HO	1464583.000	598098.000
4108-0801A-HO	1464568.000	598098.000
4108-0802A-HO	1464553.000	598097.000
4108-0803A-HO	1464538.000	598096.000
4108-0804A-HO	1464523.000	598095.000
4108-0805A-HO	1464508.000	598095.000
4108-0806A-HO	1464493.000	598094.000
4108-0807A-HO	1464478.000	598093.000
4108-0808A-HO	1464463.000	598092.000
4108-0809A-HO	1464448.000	598091.000
4108-0810A-HO	1464433.000	598091.000
4108-0811A-HO	1464418.000	598090.000
4108-0812A-HO	1464403.000	598089.000
4108-0813A-HO	1464388.000	598088.000
4108-0814A-HO	1464621.000	598087.000
4108-0815A-HO	1464606.000	598086.000
4108-0816A-HO	1464591.000	598086.000
4108-0817A-HO	1464576.000	598085.000
4108-0818A-HO	1464561.000	598084.000
4108-0819A-HO	1464546.000	598083.000
4108-0820A-HO	1464531.000	598083.000
4108-0821A-HO	1464516.000	598082.000
4108-0822A-HO	1464501.000	598081.000
4108-0823A-HO	1464486.000	598080.000
4108-0824A-HO	1464471.000	598080.000
4108-0825A-HO	1464456.000	598079.000
4108-0826A-HO	1464441.000	598078.000
4108-0827A-HO	1464426.000	598077.000
4108-0828A-HO	1464411.000	598077.000
4108-0829A-HO	1464396.000	598076.000
4108-0830A-HO	1464381.000	598075.000
4108-0830A-FO	1464409.000	598075.000
4108-0831A-FO	1464453.000	598081.000

Sample Location	Easting	Northing
4108-0832A-FO	1464497.000	598088.000
4108-0833A-FO	1464540.000	598094.000
4108-0834A-FO	1464584.000	598101.000
4108-0835A-FO	1464628.000	598107.000
4108-0836A-FO	1464382.000	598110.000
4108-0837A-FO	1464425.000	598116.000
4108-0838A-FO	1464469.000	598122.000
4108-0839A-FO	1464513.000	598129.000
4108-0840A-FO	1464557.000	598135.000
4108-0841A-FO	1464600.000	598142.000
4108-0842A-FO	1464644.000	598148.000
4108-0843A-FO	1464688.000	598155.000
4109-0844A-HO	1464309.018	598002.994
4109-0845A-HO	1464316.518	598015.984
4109-0846A-HO	1464309.018	598028.975
4109-0847A-HO	1464324.018	598028.975
4109-0848A-HO	1464339.018	598028.975
4109-0849A-HO	1464301.518	598041.965
4109-0850A-HO	1464316.518	598041.965
4109-0851A-HO	1464331.518	598041.965
4109-0852A-HO	1464346.518	598041.965
4109-0853A-HO	1464309.018	598054.955
4109-0854A-HO	1464324.018	598054.955
4109-0855A-HO	1464339.018	598054.955
4109-0856A-HO	1464354.018	598054.955
4109-0857A-HO	1464369.018	598054.955
4109-0858A-HO	1464301.518	598067.946
4109-0859A-HO	1464316.518	598067.946
4109-0860A-HO	1464331.518	598067.946
4109-0861A-HO	1464346.518	598067.946
4109-0862A-HO	1464361.518	598067.946
4109-0863A-HO	1464294.018	598080.936
4109-0864A-HO	1464309.018	598080.936
4109-0865A-HO	1464324.018	598080.936
4109-0866A-HO	1464339.018	598080.936
4109-0867A-HO	1464354.018	598080.936
4109-0868A-HO	1464369.018	598080.936
4109-0869A-HO	1464316.518	598093.926
4109-0870A-HO	1464331.518	598093.926
4109-0871A-HO	1464346.518	598093.926
4109-0872A-HO	1464361.518	598093.926
4109-0873A-HO	1464354.018	598106.917

Sample Location	Easting	Northing
4109-0874A-HO	1464369.018	598106.917
4109-0875A-FO	1464310.352	598014.325
4109-0876A-FO	1464322.182	598034.816
4109-0877A-FO	1464345.843	598034.816
4109-0878A-FO	1464310.352	598055.307
4109-0879A-FO	1464334.012	598055.307
4109-0880A-FO	1464357.673	598055.307
4109-0881A-FO	1464298.521	598075.798
4109-0882A-FO	1464322.182	598075.798
4109-0883A-FO	1464345.843	598075.798
4109-0884A-FO	1464369.504	598075.798
4109-0885A-FO	1464334.012	598096.288
4109-0886A-FO	1464357.673	598096.288
4110-0001A-HO	1464342.000	597810.000
4110-0002A-HO	1464349.000	597823.000
4110-0003A-HO	1464364.000	597823.000
4110-0004A-HO	1464357.000	597836.000
4110-0005A-HO	1464372.000	597836.000
4110-0006A-HO	1464387.000	597836.000
4110-0007A-HO	1464349.000	597848.000
4110-0008A-HO	1464364.000	597848.000
4110-0009A-HO	1464379.000	597848.000
4110-0010A-HO	1464394.000	597848.000
4110-0011A-HO	1464409.000	597848.000
4110-0012A-HO	1464424.000	597848.000
4110-0013A-HO	1464439.000	597848.000
4110-0014A-HO	1464342.000	597861.000
4110-0015A-HO	1464357.000	597861.000
4110-0016A-HO	1464372.000	597861.000
4110-0017A-HO	1464387.000	597861.000
4110-0018A-HO	1464402.000	597861.000
4110-0019A-HO	1464417.000	597861.000
4110-0020A-HO	1464432.000	597861.000
4110-0021A-HO	1464447.000	597861.000
4110-0022A-HO	1464462.000	597861.000
4110-0023A-HO	1464334.000	597874.000
4110-0024A-HO	1464349.000	597874.000
4110-0025A-HO	1464364.000	597874.000
4110-0026A-HO	1464379.000	597874.000
4110-0027A-HO	1464394.000	597874.000
4110-0028A-HO	1464409.000	597874.000
4110-0029A-HO	1464424.000	597874.000

Sample Location	Easting	Northing
4110-0030A-HO	1464439.000	597874.000
4110-0031A-HO	1464454.000	597874.000
4110-0032A-HO	1464342.000	597887.000
4110-0033A-HO	1464357.000	597887.000
4110-0034A-HO	1464372.000	597887.000
4110-0035A-HO	1464387.000	597887.000
4110-0036A-HO	1464402.000	597887.000
4110-0037A-HO	1464417.000	597887.000
4110-0038A-HO	1464432.000	597887.000
4110-0039A-HO	1464447.000	597887.000
4110-0040A-HO	1464462.000	597887.000
4110-0041A-HO	1464334.000	597900.000
4110-0042A-HO	1464349.000	597900.000
4110-0043A-HO	1464364.000	597900.000
4110-0044A-HO	1464379.000	597900.000
4110-0045A-HO	1464394.000	597900.000
4110-0046A-HO	1464409.000	597900.000
4110-0047A-HO	1464424.000	597900.000
4110-0048A-HO	1464439.000	597900.000
4110-0049A-HO	1464454.000	597900.000
4110-0050A-HO	1464469.000	597900.000
4110-0051A-HO	1464484.000	597900.000
4110-0052A-HO	1464499.000	597900.000
4110-0053A-HO	1464514.000	597900.000
4110-0054A-HO	1464529.000	597900.000
~~4110-0055A-HO~~	~~1464544.000~~	~~597900.000~~
4110-0056A-HO	1464559.000	597900.000
~~4110-0057A-HO~~	~~1464574.000~~	~~597900.000~~
4110-0058A-HO	1464589.000	597900.000
4110-0059A-HO	1464349.000	597926.000
4110-0060A-HO	1464327.000	597913.000
4110-0061A-HO	1464342.000	597913.000
4110-0062A-HO	1464357.000	597913.000
4110-0063A-HO	1464372.000	597913.000
4110-0064A-HO	1464387.000	597913.000
4110-0065A-HO	1464402.000	597913.000
4110-0066A-HO	1464417.000	597913.000
4110-0067A-HO	1464432.000	597913.000
4110-0068A-HO	1464447.000	597913.000
4110-0069A-HO	1464462.000	597913.000
4110-0070A-HO	1464477.000	597913.000
4110-0071A-HO	1464492.000	597913.000

Sample Location	Easting	Northing
4110-0072A-HO	1464507.000	597913.000
4110-0073A-HO	1464522.000	597913.000
4110-0074A-HO	1464537.000	597913.000
4110-0075A-HO	1464552.000	597913.000
4110-0076A-HO	1464567.000	597913.000
4110-0077A-HO	1464582.000	597913.000
4110-0078A-HO	1464597.000	597913.000
4110-0079A-HO	1464612.000	597913.000
4110-0080A-HO	1464627.000	597913.000
~~4110-0081A-HO~~	~~1464642.000~~	~~597913.000~~
4110-0082A-HO	1464334.000	597926.000
4110-0083A-HO	1464319.000	597926.000
4110-0084A-HO	1464499.000	597926.000
4110-0085A-HO	1464514.000	597926.000
4110-0086A-HO	1464529.000	597926.000
4110-0087A-HO	1464544.000	597926.000
4110-0088A-HO	1464559.000	597926.000
4110-0089A-HO	1464574.000	597926.000
4110-0090A-HO	1464589.000	597926.000
4110-0091A-HO	1464604.000	597926.000
4110-0092A-HO	1464619.000	597926.000
4110-0093A-HO	1464634.000	597926.000
4110-0094A-HO	1464649.000	597926.000
4110-0095A-HO	1464484.000	597926.000
4110-0096A-HO	1464537.000	597939.000
4110-0097A-HO	1464552.000	597939.000
4110-0098A-HO	1464567.000	597939.000
4110-0099A-HO	1464582.000	597939.000
4110-0100A-HO	1464597.000	597939.000
4110-0101A-HO	1464612.000	597939.000
4110-0102A-HO	1464627.000	597939.000
4110-0103A-HO	1464642.000	597939.000
4110-0104A-HO	1464604.000	597953.000
4110-0105A-HO	1464619.000	597953.000
4110-0106A-FO	1464340.000	597891.000
4110-0107A-FO	1464385.000	597894.000
4110-0108A-FO	1464366.000	597853.000
4110-0109A-FO	1464346.000	597812.000
4110-0110A-FO	1464430.000	597898.000
4110-0111A-FO	1464411.000	597857.000
4110-0112A-FO	1464475.000	597902.000
4110-0113A-FO	1464456.000	597861.000

Sample Location	Easting	Northing
4110-0114A-FO	1464521.000	597905.000
4110-0115A-FO	1464585.000	597950.000
4110-0116A-FO	1464566.000	597909.000
4110-0117A-FO	1464611.000	597912.000
441-033	1464289.000	597991.000
441-034	1464311.000	597991.000
441-035	1464306.000	597991.000
441-081	1464397.000	597952.000
441-082	1464334.000	598027.000
441-083	1464379.000	598002.000
441-084	1464367.000	598008.000
441-085	1464429.000	598002.000
441-086	1464336.000	597953.000
441-087	1464436.000	597953.000
441-088	1464409.000	597984.000
441-100	1464492.000	597969.000
441-101	1464479.000	597936.000
441-102	1464562.000	597945.000
441-103	1464483.000	598026.000
441-104	1464467.000	598036.000
441-105	1464522.000	598063.000
441-106	1464470.000	598044.000
441-107	1464470.000	598053.000
441-289	1464589.000	598110.000

ATTACHMENT C

Data Tables

SU 10 Walkover Judgmental Sample Results

Sample ID	Date Sampled	Analyte Name	Result	Units	Qualifier	MDA
441-0200	8/27/2008	Actinium-227	0	PCI/G	U	0.34
441-0200	8/27/2008	Americium-241	0.04413	PCI/G	U	0.06912
441-0200	8/27/2008	Bismuth-210M	0	PCI/G	U	0.05793
441-0200	8/27/2008	Cesium-137	0.06305	PCI/G		0.03959
441-0200	8/27/2008	Cobalt-60	0.002861	PCI/G	U	0.06806
441-0200	8/27/2008	Lead-210	1.148	PCI/G		0.7328
441-0200	8/27/2008	Plutonium-238	0	PCI/G	U	7.556
441-0200	8/27/2008	Protactinium-231	0.7769	PCI/G	U	1.452
441-0200	8/27/2008	Radium-226	0.6545	PCI/G		0.1247
441-0200	8/27/2008	Thorium-230	0	PCI/G	U	6.791
441-0200	8/27/2008	Thorium-232	0.5	PCI/G		0.2218
441-0200	8/27/2008	Uranium-238	0.4206	PCI/G	U	0.4716
441-0201	8/27/2008	Actinium-227	0	PCI/G	U	0.3079
441-0201	8/27/2008	Americium-241	0.02116	PCI/G	U	0.05902
441-0201	8/27/2008	Bismuth-210M	0	PCI/G	U	0.05163
441-0201	8/27/2008	Cesium-137	0	PCI/G	U	0.04484
441-0201	8/27/2008	Cobalt-60	0.03418	PCI/G	U	0.03863
441-0201	8/27/2008	Lead-210	0.7877	PCI/G		0.6812
441-0201	8/27/2008	Plutonium-238	0	PCI/G	U	6.845
441-0201	8/27/2008	Protactinium-231	0.834	PCI/G	U	1.474
441-0201	8/27/2008	Radium-226	0.4904	PCI/G		0.1211
441-0201	8/27/2008	Thorium-230	0.8576	PCI/G	U	6.179
441-0201	8/27/2008	Thorium-232	0.3603	PCI/G		0.1345
441-0201	8/27/2008	Uranium-238	0.3546	PCI/G	U	0.391
441-0202	8/27/2008	Actinium-227	0.09308	PCI/G	U	0.3029
441-0202	8/27/2008	Americium-241	0	PCI/G	U	0.08419
441-0202	8/27/2008	Bismuth-210M	0.001748	PCI/G	U	0.05852
441-0202	8/27/2008	Cesium-137	0.005222	PCI/G	U	0.05569
441-0202	8/27/2008	Cobalt-60	0	PCI/G	U	0.06509
441-0202	8/27/2008	Lead-210	1.086	PCI/G		0.7126
441-0202	8/27/2008	Plutonium-238	7.521	PCI/G		6.673
441-0202	8/27/2008	Protactinium-231	0.4724	PCI/G	U	1.688
441-0202	8/27/2008	Radium-226	0.6267	PCI/G		0.1326
441-0202	8/27/2008	Thorium-230	0.4149	PCI/G	U	7.601
441-0202	8/27/2008	Thorium-232	0.3647	PCI/G		0.2527
441-0202	8/27/2008	Uranium-238	0.6577	PCI/G		0.465
441-0203	8/27/2008	Actinium-227	0	PCI/G	U	0.2975
441-0203	8/27/2008	Americium-241	0.01198	PCI/G	U	0.06642
441-0203	8/27/2008	Bismuth-210M	0	PCI/G	U	0.05218
441-0203	8/27/2008	Cesium-137	0.0003674	PCI/G	U	0.04302
441-0203	8/27/2008	Cobalt-60	0.03803	PCI/G	U	0.04248
441-0203	8/27/2008	Lead-210	0.2103	PCI/G	U	0.6826
441-0203	8/27/2008	Plutonium-238	0	PCI/G	U	6.665
441-0203	8/27/2008	Protactinium-231	0.09207	PCI/G	U	1.42
441-0203	8/27/2008	Radium-226	0.6512	PCI/G		0.09209
441-0203	8/27/2008	Thorium-230	2.562	PCI/G	U	6.228
441-0203	8/27/2008	Thorium-232	0.6655	PCI/G		0.1359
441-0203	8/27/2008	Uranium-238	0.3643	PCI/G	U	0.4149

Attachment C

Sample ID	Date Sampled	Analyte Name	Result	Units	Qualifier	MDA
441-0204	8/27/2008	Actinium-227	0	PCI/G	U	0.3477
441-0204	8/27/2008	Americium-241	0.06442	PCI/G	U	0.07899
441-0204	8/27/2008	Bismuth-210M	0	PCI/G	U	0.05571
441-0204	8/27/2008	Cesium-137	0.07094	PCI/G		0.04494
441-0204	8/27/2008	Cobalt-60	0.03958	PCI/G	U	0.04321
441-0204	8/27/2008	Lead-210	1.33	PCI/G		0.7514
441-0204	8/27/2008	Plutonium-238	1.36	PCI/G	U	7.667
441-0204	8/27/2008	Protactinium-231	0.4047	PCI/G	U	1.803
441-0204	8/27/2008	Radium-226	0.7006	PCI/G		0.1217
441-0204	8/27/2008	Thorium-230	5.587	PCI/G	U	7.269
441-0204	8/27/2008	Thorium-232	0.5901	PCI/G		0.2276
441-0204	8/27/2008	Uranium-238	0.5525	PCI/G		0.4852
441-0205	8/27/2008	Actinium-227	0	PCI/G	U	0.3151
441-0205	8/27/2008	Americium-241	0	PCI/G	U	0.06944
441-0205	8/27/2008	Bismuth-210M	0	PCI/G	U	0.0621
441-0205	8/27/2008	Cesium-137	0.06331	PCI/G		0.05491
441-0205	8/27/2008	Cobalt-60	0	PCI/G	U	0.06853
441-0205	8/27/2008	Lead-210	1.45	PCI/G		0.7161
441-0205	8/27/2008	Plutonium-238	1.328	PCI/G	U	6.725
441-0205	8/27/2008	Protactinium-231	0.1197	PCI/G	U	1.554
441-0205	8/27/2008	Radium-226	0.4927	PCI/G		0.1057
441-0205	8/27/2008	Thorium-230	0	PCI/G	U	6.941
441-0205	8/27/2008	Thorium-232	0.3128	PCI/G		0.2023
441-0205	8/27/2008	Uranium-238	0.4532	PCI/G		0.4159
441-0206	8/27/2008	Actinium-227	0	PCI/G	U	0.2988
441-0206	8/27/2008	Americium-241	0.0008898	PCI/G	U	0.07227
441-0206	8/27/2008	Bismuth-210M	0.02909	PCI/G	U	0.04954
441-0206	8/27/2008	Cesium-137	0.0773	PCI/G		0.04539
441-0206	8/27/2008	Cobalt-60	0	PCI/G	U	0.05036
441-0206	8/27/2008	Lead-210	1.528	PCI/G		0.6349
441-0206	8/27/2008	Plutonium-238	3.589	PCI/G	U	6.989
441-0206	8/27/2008	Protactinium-231	0	PCI/G	U	1.867
441-0206	8/27/2008	Radium-226	0.6088	PCI/G		0.1201
441-0206	8/27/2008	Thorium-230	0.02279	PCI/G	U	6.366
441-0206	8/27/2008	Thorium-232	0.6753	PCI/G		0.1304
441-0206	8/27/2008	Uranium-238	0.5351	PCI/G		0.4096
441-0207	8/27/2008	Actinium-227	0.1424	PCI/G	U	0.3157
441-0207	8/27/2008	Americium-241	0	PCI/G	U	0.08584
441-0207	8/27/2008	Bismuth-210M	0.02901	PCI/G	U	0.05289
441-0207	8/27/2008	Cesium-137	0.09768	PCI/G		0.05765
441-0207	8/27/2008	Cobalt-60	0.02544	PCI/G	U	0.05168
441-0207	8/27/2008	Lead-210	0.4807	PCI/G	U	0.8053
441-0207	8/27/2008	Plutonium-238	7.762	PCI/G	U	8.465
441-0207	8/27/2008	Protactinium-231	0.5809	PCI/G	U	1.746
441-0207	8/27/2008	Radium-226	0.7628	PCI/G		0.1452
441-0207	8/27/2008	Thorium-230	1.229	PCI/G	U	7.549
441-0207	8/27/2008	Thorium-232	0.615	PCI/G		0.2061
441-0207	8/27/2008	Uranium-238	1.007	PCI/G		0.4887

Sample ID	Date Sampled	Analyte Name	Result	Units	Qualifier	MDA
441-0208	8/27/2008	Actinium-227	0.2209	PCI/G	U	0.3001
441-0208	8/27/2008	Americium-241	0.02586	PCI/G	U	0.07555
441-0208	8/27/2008	Bismuth-210M	0	PCI/G	U	0.05562
441-0208	8/27/2008	Cesium-137	0.007243	PCI/G	U	0.04206
441-0208	8/27/2008	Cobalt-60	0.02869	PCI/G	U	0.05286
441-0208	8/27/2008	Lead-210	0.9366	PCI/G		0.6894
441-0208	8/27/2008	Plutonium-238	0	PCI/G	U	7.484
441-0208	8/27/2008	Protactinium-231	0	PCI/G	U	1.707
441-0208	8/27/2008	Radium-226	0.8049	PCI/G		0.1105
441-0208	8/27/2008	Thorium-230	4.877	PCI/G	U	7.117
441-0208	8/27/2008	Thorium-232	0.7049	PCI/G		0.1664
441-0208	8/27/2008	Uranium-238	0.9466	PCI/G		0.4395
441-0209	8/27/2008	Actinium-227	0	PCI/G	U	0.3421
441-0209	8/27/2008	Americium-241	0	PCI/G	U	0.0817
441-0209	8/27/2008	Bismuth-210M	0.01853	PCI/G	U	0.05389
441-0209	8/27/2008	Cesium-137	0	PCI/G	U	0.05778
441-0209	8/27/2008	Cobalt-60	0	PCI/G	U	0.08071
441-0209	8/27/2008	Lead-210	0.7626	PCI/G		0.7054
441-0209	8/27/2008	Plutonium-238	0.5232	PCI/G	U	7.558
441-0209	8/27/2008	Protactinium-231	0	PCI/G	U	2.03
441-0209	8/27/2008	Radium-226	0.8144	PCI/G		0.1491
441-0209	8/27/2008	Thorium-230	0	PCI/G	U	7.932
441-0209	8/27/2008	Thorium-232	0.4631	PCI/G		0.1876
441-0209	8/27/2008	Uranium-238	1.115	PCI/G		0.4484
441-0210	8/27/2008	Actinium-227	0.04856	PCI/G	U	0.3696
441-0210	8/27/2008	Americium-241	0	PCI/G	U	0.09266
441-0210	8/27/2008	Bismuth-210M	0.01125	PCI/G	U	0.05609
441-0210	8/27/2008	Cesium-137	0.03145	PCI/G	U	0.05258
441-0210	8/27/2008	Cobalt-60	0	PCI/G	U	0.08086
441-0210	8/27/2008	Lead-210	1.445	PCI/G		0.7858
441-0210	8/27/2008	Plutonium-238	0	PCI/G	U	9.199
441-0210	8/27/2008	Protactinium-231	0	PCI/G	U	2.09
441-0210	8/27/2008	Radium-226	0.754	PCI/G		0.1603
441-0210	8/27/2008	Thorium-230	0	PCI/G	U	8.324
441-0210	8/27/2008	Thorium-232	0.6763	PCI/G		0.1926
441-0210	8/27/2008	Uranium-238	1.024	PCI/G		0.4856
441-0211	8/27/2008	Actinium-227	0	PCI/G	U	0.3192
441-0211	8/27/2008	Americium-241	0	PCI/G	U	0.07415
441-0211	8/27/2008	Bismuth-210M	0	PCI/G	U	0.05481
441-0211	8/27/2008	Cesium-137	0.02427	PCI/G	U	0.04171
441-0211	8/27/2008	Cobalt-60	0	PCI/G	U	0.07562
441-0211	8/27/2008	Lead-210	0.3508	PCI/G	U	0.7461
441-0211	8/27/2008	Plutonium-238	6.718	PCI/G		6.125
441-0211	8/27/2008	Protactinium-231	0.384	PCI/G	U	1.497
441-0211	8/27/2008	Radium-226	0.6229	PCI/G		0.1263
441-0211	8/27/2008	Thorium-230	0.8796	PCI/G	U	6.884
441-0211	8/27/2008	Thorium-232	0.6112	PCI/G		0.1638
441-0211	8/27/2008	Uranium-238	0.6773	PCI/G		0.438

Sample ID	Date Sampled	Analyte Name	Result	Units	Qualifier	MDA
441-0212	8/27/2008	Actinium-227	0.06872	PCI/G	U	0.3265
441-0212	8/27/2008	Americium-241	0.02875	PCI/G	U	0.07588
441-0212	8/27/2008	Bismuth-210M	0	PCI/G	U	0.05571
441-0212	8/27/2008	Cesium-137	0.01297	PCI/G	U	0.07083
441-0212	8/27/2008	Cobalt-60	0.01648	PCI/G	U	0.03952
441-0212	8/27/2008	Lead-210	0.7509	PCI/G		0.7335
441-0212	8/27/2008	Plutonium-238	2.444	PCI/G	U	7.494
441-0212	8/27/2008	Protactinium-231	0	PCI/G	U	1.686
441-0212	8/27/2008	Radium-226	0.8734	PCI/G		0.1334
441-0212	8/27/2008	Thorium-230	2.706	PCI/G	U	6.969
441-0212	8/27/2008	Thorium-232	0.1842	PCI/G	U	0.2691
441-0212	8/27/2008	Uranium-238	0.7432	PCI/G		0.4585
441-0213	8/27/2008	Actinium-227	0.02771	PCI/G	U	0.4275
441-0213	8/27/2008	Americium-241	0.02458	PCI/G	U	0.09705
441-0213	8/27/2008	Bismuth-210M	0.01007	PCI/G	U	0.06634
441-0213	8/27/2008	Cesium-137	0.1933	PCI/G		0.07562
441-0213	8/27/2008	Cobalt-60	0	PCI/G	U	0.08737
441-0213	8/27/2008	Lead-210	1.471	PCI/G		0.8759
441-0213	8/27/2008	Plutonium-238	5.774	PCI/G	U	8.923
441-0213	8/27/2008	Protactinium-231	0	PCI/G	U	2.366
441-0213	8/27/2008	Radium-226	0.9992	PCI/G		0.167
441-0213	8/27/2008	Thorium-230	1.833	PCI/G	U	8.626
441-0213	8/27/2008	Thorium-232	0.6786	PCI/G		0.2095
441-0213	8/27/2008	Uranium-238	0.8953	PCI/G		0.5956
441-0214	8/27/2008	Actinium-227	0	PCI/G	U	0.3119
441-0214	8/27/2008	Americium-241	0	PCI/G	U	0.07621
441-0214	8/27/2008	Bismuth-210M	0.006752	PCI/G	U	0.04816
441-0214	8/27/2008	Cesium-137	0	PCI/G	U	0.04878
441-0214	8/27/2008	Cobalt-60	0	PCI/G	U	0.05358
441-0214	8/27/2008	Lead-210	0.8218	PCI/G		0.6805
441-0214	8/27/2008	Plutonium-238	1.011	PCI/G	U	6.418
441-0214	8/27/2008	Protactinium-231	0.884	PCI/G	U	1.438
441-0214	8/27/2008	Radium-226	0.8392	PCI/G		0.1174
441-0214	8/27/2008	Thorium-230	0	PCI/G	U	6.95
441-0214	8/27/2008	Thorium-232	0.6238	PCI/G		0.1914
441-0214	8/27/2008	Uranium-238	0.569	PCI/G		0.4273

PCI/G – picocurie per gram
U – Results are less than the minimum detection limit

Attachment C - Data Tables (CD-ROM)

CD Table of Contents

Haul Road HS Analysis Tables

Onsite / Offsite

Parking Lot Analysis Tables

Onsite / Offsite

SU 1 FO HO Judge Tables

HS Onsite / 10%+ HS Offsite / FO Offsite / Judgmental

SU 2 HO FO PCB Tables

HS Onsite / 10% HS Offsite / FO Offsite / PCB

SU 3 HO FO PCB Tables

HS Onsite / 10% HS Offsite / FO Offsite / PCB

SU 4 FO HO Tables

HS Onsite / 10% HS Offsite / FO Offsite

SU 5 HO FO Tables

HS Onsite / 10% HS Offsite / FO Offsite

SU 8 HO FO Tables

HS Onsite / 10% HS Offsite / FO Offsite

SU 9 FO HO JO Tables

HS Onsite / 10% HS Offsite / FO Offsite / Judgmental

SU 10 HO FO JO Tables

HS Onsite / 10% HS Offsite / FO Offsite / Judgmental

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Flag	Minimum Detection Limit pCi/g		Greater than CO
PL87-2658	6/19/2008	Actinium-227	4.60	13.61	0.32	U	0.32		
PL87-2658	6/19/2008	Americium-241	63.00	189.00	0.07	U	0.07		
PL87-2658	6/19/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05		
PL87-2658	6/19/2008	Cesium-137	3.80	10.62	0.05	U	0.05		
PL87-2658	6/19/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2658	6/19/2008	Lead-210	7.40	19.80	0.96		0.64		
PL87-2658	6/19/2008	Plutonium-238	55.00	165.13	7.21	U	7.21		
PL87-2658	6/19/2008	Protactinium-231	4.00	11.81	1.76	U	1.76		
PL87-2658	6/19/2008	Radium-226	2.90	4.70	0.67		0.13		
PL87-2658	6/19/2008	Thorium-230	2.80	4.60	7.22	U	7.22		
PL87-2658	6/19/2008	Thorium-232	2.10	3.50	0.46		0.18		
PL87-2658	6/19/2008	Uranium-238	2.20	4.20	1.19		0.40		
PL87-2661	6/30/2008	Actinium-227	4.60	13.61	0.26	U	0.26		
PL87-2661	6/30/2008	Americium-241	63.00	189.00	0.07	U	0.07		
PL87-2661	6/30/2008	Bismuth-210M	8.30	24.90	0.04	U	0.04		
PL87-2661	6/30/2008	Cesium-137	3.80	10.62	0.04	U	0.04		
PL87-2661	6/30/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2661	6/30/2008	Lead-210	7.40	19.80	0.85		0.56		
PL87-2661	6/30/2008	Plutonium-238	55.00	165.13	5.66	U	5.66		
PL87-2661	6/30/2008	Protactinium-231	4.00	11.81	1.46	U	1.46		
PL87-2661	6/30/2008	Radium-226	2.90	4.70	0.80		0.09		
PL87-2661	6/30/2008	Thorium-230	2.80	4.60	5.67	U	5.67		
PL87-2661	6/30/2008	Thorium-232	2.10	3.50	0.41		0.16		
PL87-2661	6/30/2008	Uranium-238	2.20	4.20	0.51		0.38		
PL87-2662	6/30/2008	Actinium-227	4.60	13.61	0.29	U	0.29		
PL87-2662	6/30/2008	Americium-241	63.00	189.00	0.07	U	0.07		
PL87-2662	6/30/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		
PL87-2662	6/30/2008	Cesium-137	3.80	10.62	0.27		0.05		
PL87-2662	6/30/2008	Cobalt-60	0.70	2.10	0.06	U	0.06		
PL87-2662	6/30/2008	Lead-210	7.40	19.80	0.68	U	0.68		
PL87-2662	6/30/2008	Plutonium-238	55.00	165.13	6.98	U	6.98		
PL87-2662	6/30/2008	Protactinium-231	4.00	11.81	1.43	U	1.43		
PL87-2662	6/30/2008	Radium-226	2.90	4.70	0.70		0.12		
PL87-2662	6/30/2008	Thorium-230	2.80	4.60	6.71	U	6.71		
PL87-2662	6/30/2008	Thorium-232	2.10	3.50	0.61		0.20		
PL87-2662	6/30/2008	Uranium-238	2.20	4.20	0.63		0.41		
PL87-2663	6/30/2008	Actinium-227	4.60	13.61	0.38	U	0.38		
PL87-2663	6/30/2008	Americium-241	63.00	189.00	0.09	U	0.09		
PL87-2663	6/30/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		
PL87-2663	6/30/2008	Cesium-137	3.80	10.62	0.05	U	0.05		
PL87-2663	6/30/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2663	6/30/2008	Lead-210	7.40	19.80	0.84	U	0.84		
PL87-2663	6/30/2008	Plutonium-238	55.00	165.13	7.55	U	7.55		
PL87-2663	6/30/2008	Protactinium-231	4.00	11.81	1.77	U	1.77		
PL87-2663	6/30/2008	Radium-226	2.90	4.70	0.87		0.13		
PL87-2663	6/30/2008	Thorium-230	2.80	4.60	7.61	U	7.61		
PL87-2663	6/30/2008	Thorium-232	2.10	3.50	0.89		0.21		
PL87-2663	6/30/2008	Uranium-238	2.20	4.20	0.98		0.53		
PL87-2666	6/30/2008	Actinium-227	4.60	13.61	0.33	U	0.33		
PL87-2666	6/30/2008	Americium-241	63.00	189.00	0.08	U	0.08		
PL87-2666	6/30/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Flag	Minimum Detection Limit pCi/g		Greater than CO
PL87-2666	6/30/2008	Cesium-137	3.80	10.62	0.07		0.04		
PL87-2666	6/30/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2666	6/30/2008	Lead-210	7.40	19.80	0.74	U	0.74		
PL87-2666	6/30/2008	Plutonium-238	55.00	165.13	7.44	U	7.44		
PL87-2666	6/30/2008	Protactinium-231	4.00	11.81	1.84	U	1.84		
PL87-2666	6/30/2008	Radium-226	2.90	4.70	0.90		0.12		
PL87-2666	6/30/2008	Thorium-230	2.80	4.60	7.65	U	7.65		
PL87-2666	6/30/2008	Thorium-232	2.10	3.50	0.68		0.18		
PL87-2666	6/30/2008	Uranium-238	2.20	4.20	0.77		0.48		
PL87-2667	6/30/2008	Actinium-227	4.60	13.61	0.34	U	0.34		
PL87-2667	6/30/2008	Americium-241	63.00	189.00	0.08	U	0.08		
PL87-2667	6/30/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		
PL87-2667	6/30/2008	Cesium-137	3.80	10.62	0.05	U	0.05		
PL87-2667	6/30/2008	Cobalt-60	0.70	2.10	0.08	U	0.08		
PL87-2667	6/30/2008	Lead-210	7.40	19.80	1.22		0.76		
PL87-2667	6/30/2008	Plutonium-238	55.00	165.13	7.61	U	7.61		
PL87-2667	6/30/2008	Protactinium-231	4.00	11.81	1.81	U	1.81		
PL87-2667	6/30/2008	Radium-226	2.90	4.70	0.67		0.16		
PL87-2667	6/30/2008	Thorium-230	2.80	4.60	7.82	U	7.82		
PL87-2667	6/30/2008	Thorium-232	2.10	3.50	0.51		0.24		
PL87-2667	6/30/2008	Uranium-238	2.20	4.20	0.77		0.49		
PL87-2668	6/30/2008	Actinium-227	4.60	13.61	0.28	U	0.28		
PL87-2668	6/30/2008	Americium-241	63.00	189.00	0.07	U	0.07		
PL87-2668	6/30/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05		
PL87-2668	6/30/2008	Cesium-137	3.80	10.62	0.04	U	0.04		
PL87-2668	6/30/2008	Cobalt-60	0.70	2.10	0.05	U	0.05		
PL87-2668	6/30/2008	Lead-210	7.40	19.80	0.63	U	0.63		
PL87-2668	6/30/2008	Plutonium-238	55.00	165.13	6.58	U	6.58		
PL87-2668	6/30/2008	Protactinium-231	4.00	11.81	1.47	U	1.47		
PL87-2668	6/30/2008	Radium-226	2.90	4.70	0.84		0.11		
PL87-2668	6/30/2008	Thorium-230	2.80	4.60	7.01	U	7.01		
PL87-2668	6/30/2008	Thorium-232	2.10	3.50	0.39		0.16		
PL87-2668	6/30/2008	Uranium-238	2.20	4.20	0.43		0.40		
PL87-2669	6/30/2008	Actinium-227	4.60	13.61	0.31	U	0.31		
PL87-2669	6/30/2008	Americium-241	63.00	189.00	0.07	U	0.07		
PL87-2669	6/30/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05		
PL87-2669	6/30/2008	Cesium-137	3.80	10.62	0.04	U	0.04		
PL87-2669	6/30/2008	Cobalt-60	0.70	2.10	0.05	U	0.05		
PL87-2669	6/30/2008	Lead-210	7.40	19.80	0.82		0.66		
PL87-2669	6/30/2008	Plutonium-238	55.00	165.13	6.59	U	6.59		
PL87-2669	6/30/2008	Protactinium-231	4.00	11.81	1.42	U	1.42		
PL87-2669	6/30/2008	Radium-226	2.90	4.70	0.87		0.10		
PL87-2669	6/30/2008	Thorium-230	2.80	4.60	6.72	U	6.72		
PL87-2669	6/30/2008	Thorium-232	2.10	3.50	0.33		0.21		
PL87-2669	6/30/2008	Uranium-238	2.20	4.20	0.64		0.42		
PL87-2671	8/14/2008	Actinium-227	4.60	13.61	0.14	U	0.14		
PL87-2671	8/14/2008	Americium-241	63.00	189.00	0.03	U	0.03		
PL87-2671	8/14/2008	Bismuth-210M	8.30	24.90	0.02	U	0.02		
PL87-2671	8/14/2008	Cesium-137	3.80	10.62	0.46		0.02		
PL87-2671	8/14/2008	Cobalt-60	0.70	2.10	0.03	U	0.03		
PL87-2671	8/14/2008	Lead-210	7.40	19.80	0.78		0.35		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Flag	Minimum Detection Limit pCi/g		Greater than CO
PL87-2671	8/14/2008	Plutonium-238	55.00	165.13	3.18	U	3.18		
PL87-2671	8/14/2008	Protactinium-231	4.00	11.81	0.71	U	0.71		
PL87-2671	8/14/2008	Radium-226	2.90	4.70	0.84		0.05		
PL87-2671	8/14/2008	Thorium-230	2.80	4.60	3.18	U	3.18		
PL87-2671	8/14/2008	Thorium-232	2.10	3.50	0.89		0.08		
PL87-2671	8/14/2008	Uranium-238	2.20	4.20	1.01		0.20		
PL87-2672	8/14/2008	Actinium-227	4.60	13.61	0.13	U	0.13		
PL87-2672	8/14/2008	Americium-241	63.00	189.00	0.03	U	0.03		
PL87-2672	8/14/2008	Bismuth-210M	8.30	24.90	0.02	U	0.02		
PL87-2672	8/14/2008	Cesium-137	3.80	10.62	0.02	U	0.02		
PL87-2672	8/14/2008	Cobalt-60	0.70	2.10	0.03	U	0.03		
PL87-2672	8/14/2008	Lead-210	7.40	19.80	0.63		0.30		
PL87-2672	8/14/2008	Plutonium-238	55.00	165.13	2.85	U	2.85		
PL87-2672	8/14/2008	Protactinium-231	4.00	11.81	0.69	U	0.69		
PL87-2672	8/14/2008	Radium-226	2.90	4.70	0.82		0.05		
PL87-2672	8/14/2008	Thorium-230	2.80	4.60	3.02	U	3.02		
PL87-2672	8/14/2008	Thorium-232	2.10	3.50	0.58		0.08		
PL87-2672	8/14/2008	Uranium-238	2.20	4.20	0.81		0.18		
PL87-2673	8/15/2008	Actinium-227	4.60	13.61	0.32	U	0.32		
PL87-2673	8/15/2008	Americium-241	63.00	189.00	0.07	U	0.07		
PL87-2673	8/15/2008	Bismuth-210M	8.30	24.90	0.04	U	0.04		
PL87-2673	8/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05		
PL87-2673	8/15/2008	Cobalt-60	0.70	2.10	0.03	U	0.03		
PL87-2673	8/15/2008	Lead-210	7.40	19.80	0.70	U	0.70		
PL87-2673	8/15/2008	Plutonium-238	55.00	165.13	7.16	U	7.16		
PL87-2673	8/15/2008	Protactinium-231	4.00	11.81	1.71	U	1.71		
PL87-2673	8/15/2008	Radium-226	2.90	4.70	0.54		0.13		
PL87-2673	8/15/2008	Thorium-230	2.80	4.60	6.63	U	6.63		
PL87-2673	8/15/2008	Thorium-232	2.10	3.50	0.51		0.19		
PL87-2673	8/15/2008	Uranium-238	2.20	4.20	0.71		0.39		
PL87-2674	8/15/2008	Actinium-227	4.60	13.61	0.33	U	0.33		
PL87-2674	8/15/2008	Americium-241	63.00	189.00	0.08	U	0.08		
PL87-2674	8/15/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		
PL87-2674	8/15/2008	Cesium-137	3.80	10.62	0.04	U	0.04		
PL87-2674	8/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2674	8/15/2008	Lead-210	7.40	19.80	0.74	U	0.74		
PL87-2674	8/15/2008	Plutonium-238	55.00	165.13	6.86	U	6.86		
PL87-2674	8/15/2008	Protactinium-231	4.00	11.81	1.41	U	1.41		
PL87-2674	8/15/2008	Radium-226	2.90	4.70	0.55		0.15		
PL87-2674	8/15/2008	Thorium-230	2.80	4.60	7.27	U	7.27		
PL87-2674	8/15/2008	Thorium-232	2.10	3.50	0.72		0.18		
PL87-2674	8/15/2008	Uranium-238	2.20	4.20	0.81		0.45		
PL87-2675	8/15/2008	Actinium-227	4.60	13.61	0.28	U	0.28		
PL87-2675	8/15/2008	Americium-241	63.00	189.00	0.07	U	0.07		
PL87-2675	8/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05		
PL87-2675	8/15/2008	Cesium-137	3.80	10.62	0.09		0.05		
PL87-2675	8/15/2008	Cobalt-60	0.70	2.10	0.04	U	0.04		
PL87-2675	8/15/2008	Lead-210	7.40	19.80	0.89		0.58		
PL87-2675	8/15/2008	Plutonium-238	55.00	165.13	6.10	U	6.10		
PL87-2675	8/15/2008	Protactinium-231	4.00	11.81	1.46	U	1.46		
PL87-2675	8/15/2008	Radium-226	2.90	4.70	0.47		0.12		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Flag	Minimum Detection Limit pCi/g		Greater than CO
PL87-2675	8/15/2008	Thorium-230	2.80	4.60	6.41	U	6.41		
PL87-2675	8/15/2008	Thorium-232	2.10	3.50	0.36		0.19		
PL87-2675	8/15/2008	Uranium-238	2.20	4.20	0.66		0.39		
PL87-2676	8/15/2008	Actinium-227	4.60	13.61	0.38	U	0.38		
PL87-2676	8/15/2008	Americium-241	63.00	189.00	0.09	U	0.09		
PL87-2676	8/15/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		
PL87-2676	8/15/2008	Cesium-137	3.80	10.62	0.04	U	0.04		
PL87-2676	8/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2676	8/15/2008	Lead-210	7.40	19.80	0.89		0.79		
PL87-2676	8/15/2008	Plutonium-238	55.00	165.13	7.23	U	7.23		
PL87-2676	8/15/2008	Protactinium-231	4.00	11.81	1.57	U	1.57		
PL87-2676	8/15/2008	Radium-226	2.90	4.70	0.69		0.13		
PL87-2676	8/15/2008	Thorium-230	2.80	4.60	7.47	U	7.47		
PL87-2676	8/15/2008	Thorium-232	2.10	3.50	0.68		0.17		
PL87-2676	8/15/2008	Uranium-238	2.20	4.20	0.93		0.47		
PL87-2677	8/15/2008	Actinium-227	4.60	13.61	0.34	U	0.34		
PL87-2677	8/15/2008	Americium-241	63.00	189.00	0.08	U	0.08		
PL87-2677	8/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05		
PL87-2677	8/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05		
PL87-2677	8/15/2008	Cobalt-60	0.70	2.10	0.06	U	0.06		
PL87-2677	8/15/2008	Lead-210	7.40	19.80	0.79	U	0.79		
PL87-2677	8/15/2008	Plutonium-238	55.00	165.13	6.99	U	6.99		
PL87-2677	8/15/2008	Protactinium-231	4.00	11.81	1.76	U	1.76		
PL87-2677	8/15/2008	Radium-226	2.90	4.70	0.75		0.10		
PL87-2677	8/15/2008	Thorium-230	2.80	4.60	7.82	U	7.82		
PL87-2677	8/15/2008	Thorium-232	2.10	3.50	0.52		0.24		
PL87-2677	8/15/2008	Uranium-238	2.20	4.20	0.79		0.45		
PL87-2678	8/15/2008	Actinium-227	4.60	13.61	0.37	U	0.37		
PL87-2678	8/15/2008	Americium-241	63.00	189.00	0.09	U	0.09		
PL87-2678	8/15/2008	Bismuth-210M	8.30	24.90	0.07	U	0.07		
PL87-2678	8/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05		
PL87-2678	8/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2678	8/15/2008	Lead-210	7.40	19.80	1.57		0.76		
PL87-2678	8/15/2008	Plutonium-238	55.00	165.13	7.79	U	7.79		
PL87-2678	8/15/2008	Protactinium-231	4.00	11.81	1.78	U	1.78		
PL87-2678	8/15/2008	Radium-226	2.90	4.70	0.71		0.16		
PL87-2678	8/15/2008	Thorium-230	2.80	4.60	8.26	U	8.26		
PL87-2678	8/15/2008	Thorium-232	2.10	3.50	0.81		0.22		
PL87-2678	8/15/2008	Uranium-238	2.20	4.20	0.86		0.51		
PL87-2679	8/15/2008	Actinium-227	4.60	13.61	0.39	U	0.39		
PL87-2679	8/15/2008	Americium-241	63.00	189.00	0.09	U	0.09		
PL87-2679	8/15/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		
PL87-2679	8/15/2008	Cesium-137	3.80	10.62	0.06	U	0.06		
PL87-2679	8/15/2008	Cobalt-60	0.70	2.10	0.05	U	0.05		
PL87-2679	8/15/2008	Lead-210	7.40	19.80	1.63		0.82		
PL87-2679	8/15/2008	Plutonium-238	55.00	165.13	8.34	U	8.34		
PL87-2679	8/15/2008	Protactinium-231	4.00	11.81	2.04	U	2.04		
PL87-2679	8/15/2008	Radium-226	2.90	4.70	0.98		0.17		
PL87-2679	8/15/2008	Thorium-230	2.80	4.60	9.33	U	9.33		
PL87-2679	8/15/2008	Thorium-232	2.10	3.50	1.01		0.24		
PL87-2679	8/15/2008	Uranium-238	2.20	4.20	0.91		0.56		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Flag	Minimum Detection Limit pCi/g		Greater than CO
PL87-2680	8/15/2008	Actinium-227	4.60	13.61	0.42	U	0.42		
PL87-2680	8/15/2008	Americium-241	63.00	189.00	0.09	U	0.09		
PL87-2680	8/15/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		
PL87-2680	8/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05		
PL87-2680	8/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2680	8/15/2008	Lead-210	7.40	19.80	0.96	U	0.96		
PL87-2680	8/15/2008	Plutonium-238	55.00	165.13	8.06	U	8.06		
PL87-2680	8/15/2008	Protactinium-231	4.00	11.81	1.86	U	1.86		
PL87-2680	8/15/2008	Radium-226	2.90	4.70	0.81		0.18		
PL87-2680	8/15/2008	Thorium-230	2.80	4.60	8.46	U	8.46		
PL87-2680	8/15/2008	Thorium-232	2.10	3.50	0.77		0.22		
PL87-2680	8/15/2008	Uranium-238	2.20	4.20	0.82		0.54		
PL87-2681	8/15/2008	Actinium-227	4.60	13.61	0.37	U	0.37		
PL87-2681	8/15/2008	Americium-241	63.00	189.00	0.09	U	0.09		
PL87-2681	8/15/2008	Bismuth-210M	8.30	24.90	0.07	U	0.07		
PL87-2681	8/15/2008	Cesium-137	3.80	10.62	0.07	U	0.07		
PL87-2681	8/15/2008	Cobalt-60	0.70	2.10	0.08	U	0.08		
PL87-2681	8/15/2008	Lead-210	7.40	19.80	1.11		0.84		
PL87-2681	8/15/2008	Plutonium-238	55.00	165.13	9.05	U	9.05		
PL87-2681	8/15/2008	Protactinium-231	4.00	11.81	1.92	U	1.92		
PL87-2681	8/15/2008	Radium-226	2.90	4.70	1.12		0.15		
PL87-2681	8/15/2008	Thorium-230	2.80	4.60	8.83	U	8.83		
PL87-2681	8/15/2008	Thorium-232	2.10	3.50	0.76		0.27		
PL87-2681	8/15/2008	Uranium-238	2.20	4.20	0.80		0.53		
PL87-2682	8/15/2008	Actinium-227	4.60	13.61	0.33	U	0.33		
PL87-2682	8/15/2008	Americium-241	63.00	189.00	0.08	U	0.08		
PL87-2682	8/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05		
PL87-2682	8/15/2008	Cesium-137	3.80	10.62	0.06	U	0.06		
PL87-2682	8/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2682	8/15/2008	Lead-210	7.40	19.80	0.91		0.78		
PL87-2682	8/15/2008	Plutonium-238	55.00	165.13	7.58	U	7.58		
PL87-2682	8/15/2008	Protactinium-231	4.00	11.81	1.57	U	1.57		
PL87-2682	8/15/2008	Radium-226	2.90	4.70	0.74		0.14		
PL87-2682	8/15/2008	Thorium-230	2.80	4.60	8.04	U	8.04		
PL87-2682	8/15/2008	Thorium-232	2.10	3.50	0.65		0.16		
PL87-2682	8/15/2008	Uranium-238	2.20	4.20	0.64		0.47		
PL87-2683	8/15/2008	Actinium-227	4.60	13.61	0.32	U	0.32		
PL87-2683	8/15/2008	Americium-241	63.00	189.00	0.07	U	0.07		
PL87-2683	8/15/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		
PL87-2683	8/15/2008	Cesium-137	3.80	10.62	0.10		0.03		
PL87-2683	8/15/2008	Cobalt-60	0.70	2.10	0.05	U	0.05		
PL87-2683	8/15/2008	Lead-210	7.40	19.80	0.72	U	0.72		
PL87-2683	8/15/2008	Plutonium-238	55.00	165.13	6.84	U	6.84		
PL87-2683	8/15/2008	Protactinium-231	4.00	11.81	1.62	U	1.62		
PL87-2683	8/15/2008	Radium-226	2.90	4.70	0.61		0.13		
PL87-2683	8/15/2008	Thorium-230	2.80	4.60	7.08	U	7.08		
PL87-2683	8/15/2008	Thorium-232	2.10	3.50	0.36		0.24		
PL87-2683	8/15/2008	Uranium-238	2.20	4.20	0.72		0.42		
PL87-2684	8/15/2008	Actinium-227	4.60	13.61	0.33	U	0.33		
PL87-2684	8/15/2008	Americium-241	63.00	189.00	0.08	U	0.08		
PL87-2684	8/15/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Flag	Minimum Detection Limit pCi/g		Greater than CO
PL87-2684	8/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05		
PL87-2684	8/15/2008	Cobalt-60	0.70	2.10	0.09	U	0.09		
PL87-2684	8/15/2008	Lead-210	7.40	19.80	0.95		0.72		
PL87-2684	8/15/2008	Plutonium-238	55.00	165.13	7.82	U	7.82		
PL87-2684	8/15/2008	Protactinium-231	4.00	11.81	1.99	U	1.99		
PL87-2684	8/15/2008	Radium-226	2.90	4.70	0.74		0.15		
PL87-2684	8/15/2008	Thorium-230	2.80	4.60	7.33	U	7.33		
PL87-2684	8/15/2008	Thorium-232	2.10	3.50	0.52		0.21		
PL87-2684	8/15/2008	Uranium-238	2.20	4.20	0.84		0.46		
PL87-2685	8/15/2008	Actinium-227	4.60	13.61	0.35	U	0.35		
PL87-2685	8/15/2008	Americium-241	63.00	189.00	0.08	U	0.08		
PL87-2685	8/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05		
PL87-2685	8/15/2008	Cesium-137	3.80	10.62	0.06	U	0.06		
PL87-2685	8/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2685	8/15/2008	Lead-210	7.40	19.80	0.83	U	0.83		
PL87-2685	8/15/2008	Plutonium-238	55.00	165.13	7.22	U	7.22		
PL87-2685	8/15/2008	Protactinium-231	4.00	11.81	1.71	U	1.71		
PL87-2685	8/15/2008	Radium-226	2.90	4.70	0.84		0.15		
PL87-2685	8/15/2008	Thorium-230	2.80	4.60	7.56	U	7.56		
PL87-2685	8/15/2008	Thorium-232	2.10	3.50	0.48		0.26		
PL87-2685	8/15/2008	Uranium-238	2.20	4.20	0.89		0.47		
PL87-2686	8/15/2008	Actinium-227	4.60	13.61	0.35	U	0.35		
PL87-2686	8/15/2008	Americium-241	63.00	189.00	0.09	U	0.09		
PL87-2686	8/15/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		
PL87-2686	8/15/2008	Cesium-137	3.80	10.62	0.06	U	0.06		
PL87-2686	8/15/2008	Cobalt-60	0.70	2.10	0.08	U	0.08		
PL87-2686	8/15/2008	Lead-210	7.40	19.80	1.15		0.76		
PL87-2686	8/15/2008	Plutonium-238	55.00	165.13	7.78	U	7.78		
PL87-2686	8/15/2008	Protactinium-231	4.00	11.81	2.17	U	2.17		
PL87-2686	8/15/2008	Radium-226	2.90	4.70	0.94		0.14		
PL87-2686	8/15/2008	Thorium-230	2.80	4.60	7.62	U	7.62		
PL87-2686	8/15/2008	Thorium-232	2.10	3.50	0.48		0.29		
PL87-2686	8/15/2008	Uranium-238	2.20	4.20	0.52	U	0.52		
PL87-2687	8/15/2008	Actinium-227	4.60	13.61	0.36	U	0.36		
PL87-2687	8/15/2008	Americium-241	63.00	189.00	0.09	U	0.09		
PL87-2687	8/15/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06		
PL87-2687	8/15/2008	Cesium-137	3.80	10.62	0.06	U	0.06		
PL87-2687	8/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07		
PL87-2687	8/15/2008	Lead-210	7.40	19.80	0.91		0.76		
PL87-2687	8/15/2008	Plutonium-238	55.00	165.13	7.91	U	7.91		
PL87-2687	8/15/2008	Protactinium-231	4.00	11.81	1.92	U	1.92		
PL87-2687	8/15/2008	Radium-226	2.90	4.70	0.60		0.17		
PL87-2687	8/15/2008	Thorium-230	2.80	4.60	7.86	U	7.86		
PL87-2687	8/15/2008	Thorium-232	2.10	3.50	0.59		0.24		
PL87-2687	8/15/2008	Uranium-238	2.20	4.20	0.83		0.49		
PL87-2688	8/15/2008	Actinium-227	4.60	13.61	0.27	U	0.27		
PL87-2688	8/15/2008	Americium-241	63.00	189.00	0.07	U	0.07		
PL87-2688	8/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05		
PL87-2688	8/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05		
PL87-2688	8/15/2008	Cobalt-60	0.70	2.10	0.05	U	0.05		
PL87-2688	8/15/2008	Lead-210	7.40	19.80	0.60	U	0.60		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Flag	Minimum Detection Limit pCi/g		Greater than CO
PL87-2688	8/15/2008	Plutonium-238	55.00	165.13	6.55	U	6.55		
PL87-2688	8/15/2008	Protactinium-231	4.00	11.81	1.53	U	1.53		
PL87-2688	8/15/2008	Radium-226	2.90	4.70	0.57		0.12		
PL87-2688	8/15/2008	Thorium-230	2.80	4.60	6.04	U	6.04		
PL87-2688	8/15/2008	Thorium-232	2.10	3.50	0.44		0.20		
PL87-2688	8/15/2008	Uranium-238	2.20	4.20	0.69		0.39		
CO	Cleanup Objective								
HS	Hot Spot Criteria								
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit								

3006XXXXXX-1004260001

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Flag	Minimum Detection Limit pCi/g		Greater than CO
PL87-AL-2658	6/19/2008	Uranium 233/234	2.00	14.50	0.92		0.05		
PL87-AL-2658	6/19/2008	Uranium 235	3.10	9.29	0.094	J	0.044		
PL87-AL-2658	6/19/2008	Uranium 238	2.2	4.2	0.84		0.02		
PL87-AL-2671	8/14/2008	Uranium 233/234	2.00	14.50	0.93		0.04		
PL87-AL-2671	8/14/2008	Uranium 235	3.10	9.29	0.039	U	0.047		
PL87-AL-2671	8/14/2008	Uranium 238	2.2	4.2	1.06		0.02		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11001	12/10/2008	Actinium-227	4.60	13.61	0.33	U	0.33
11001	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11001	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11001	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11001	12/10/2008	Cobalt-60	0.70	2.10	0.10	U	0.10
11001	12/10/2008	Lead-210	7.40	19.80	0.76	U	0.76
11001	12/10/2008	Plutonium-238	55.00	165.13	7.95	U	7.95
11001	12/10/2008	Protactinium-231	4.00	11.81	1.70	U	1.70
11001	12/10/2008	Radium-226	2.90	4.70	0.64		0.15
11001	12/10/2008	Thorium-230	2.80	4.60	7.72	U	7.72
11001	12/10/2008	Thorium-232	2.10	3.50	0.83		0.22
11001	12/10/2008	Uranium-238	2.20	4.20	0.90		0.48
11002	12/10/2008	Actinium-227	4.60	13.61	0.38	U	0.38
11002	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11002	12/10/2008	Bismuth-210M	8.30	24.90	0.07	U	0.07
11002	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11002	12/10/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11002	12/10/2008	Lead-210	7.40	19.80	0.87	U	0.87
11002	12/10/2008	Plutonium-238	55.00	165.13	7.76	U	7.76
11002	12/10/2008	Protactinium-231	4.00	11.81	2.01	U	2.01
11002	12/10/2008	Radium-226	2.90	4.70	0.55		0.17
11002	12/10/2008	Thorium-230	2.80	4.60	8.64	U	8.64
11002	12/10/2008	Thorium-232	2.10	3.50	0.53		0.31
11002	12/10/2008	Uranium-238	2.20	4.20	0.59		0.57
11003	12/10/2008	Actinium-227	4.60	13.61	0.33	U	0.33
11003	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11003	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11003	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11003	12/10/2008	Cobalt-60	0.70	2.10	0.05	U	0.05
11003	12/10/2008	Lead-210	7.40	19.80	0.76	U	0.76
11003	12/10/2008	Plutonium-238	55.00	165.13	7.70	U	7.70
11003	12/10/2008	Protactinium-231	4.00	11.81	1.68	U	1.68
11003	12/10/2008	Radium-226	2.90	4.70	0.67		0.14
11003	12/10/2008	Thorium-230	2.80	4.60	7.78	U	7.78
11003	12/10/2008	Thorium-232	2.10	3.50	0.64		0.24
11003	12/10/2008	Uranium-238	2.20	4.20	0.86		0.54
11004	12/10/2008	Actinium-227	4.60	13.61	0.39	U	0.39
11004	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11004	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11004	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11004	12/10/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11004	12/10/2008	Lead-210	7.40	19.80	0.85	U	0.85
11004	12/10/2008	Plutonium-238	55.00	165.13	7.84	U	7.84
11004	12/10/2008	Protactinium-231	4.00	11.81	2.13	U	2.13

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11004	12/10/2008	Radium-226	2.90	4.70	0.66		0.14
11004	12/10/2008	Thorium-230	2.80	4.60	8.51	U	8.51
11004	12/10/2008	Thorium-232	2.10	3.50	0.69		0.26
11004	12/10/2008	Uranium-238	2.20	4.20	0.72		0.53
11005	12/10/2008	Actinium-227	4.60	13.61	0.42	U	0.42
11005	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11005	12/10/2008	Bismuth-210M	8.30	24.90	0.07	U	0.07
11005	12/10/2008	Cesium-137	3.80	10.62	0.07	U	0.07
11005	12/10/2008	Cobalt-60	0.70	2.10	0.09	U	0.09
11005	12/10/2008	Lead-210	7.40	19.80	0.94	U	0.94
11005	12/10/2008	Plutonium-238	55.00	165.13	8.02	U	8.02
11005	12/10/2008	Protactinium-231	4.00	11.81	2.07	U	2.07
11005	12/10/2008	Radium-226	2.90	4.70	0.74		0.15
11005	12/10/2008	Thorium-230	2.80	4.60	9.12	U	9.12
11005	12/10/2008	Thorium-232	2.10	3.50	0.71		0.31
11005	12/10/2008	Uranium-238	2.20	4.20	0.88		0.57
11006	12/10/2008	Actinium-227	4.60	13.61	0.20	U	0.20
11006	12/10/2008	Americium-241	63.00	189.00	0.05	U	0.05
11006	12/10/2008	Bismuth-210M	8.30	24.90	0.04	U	0.04
11006	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11006	12/10/2008	Cobalt-60	0.70	2.10	0.05	U	0.05
11006	12/10/2008	Lead-210	7.40	19.80	0.47	U	0.47
11006	12/10/2008	Plutonium-238	55.00	165.13	4.61	U	4.61
11006	12/10/2008	Protactinium-231	4.00	11.81	1.26	U	1.26
11006	12/10/2008	Radium-226	2.90	4.70	0.36		0.09
11006	12/10/2008	Thorium-230	2.80	4.60	4.84	U	4.84
11006	12/10/2008	Thorium-232	2.10	3.50	0.18	U	0.18
11006	12/10/2008	Uranium-238	2.20	4.20	0.45		0.26
11007	12/10/2008	Actinium-227	4.60	13.61	0.33	U	0.33
11007	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11007	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11007	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11007	12/10/2008	Cobalt-60	0.70	2.10	0.08	U	0.08
11007	12/10/2008	Lead-210	7.40	19.80	0.76	U	0.76
11007	12/10/2008	Plutonium-238	55.00	165.13	7.18	U	7.18
11007	12/10/2008	Protactinium-231	4.00	11.81	1.61	U	1.61
11007	12/10/2008	Radium-226	2.90	4.70	0.61		0.14
11007	12/10/2008	Thorium-230	2.80	4.60	7.03	U	7.03
11007	12/10/2008	Thorium-232	2.10	3.50	0.52		0.26
11007	12/10/2008	Uranium-238	2.20	4.20	0.81		0.46
11008	12/10/2008	Actinium-227	4.60	13.61	0.34	U	0.34
11008	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11008	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11008	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11008	12/10/2008	Cobalt-60	0.70	2.10	0.06	U	0.06
11008	12/10/2008	Lead-210	7.40	19.80	0.98		0.68
11008	12/10/2008	Plutonium-238	55.00	165.13	7.58	U	7.58
11008	12/10/2008	Protactinium-231	4.00	11.81	1.91	U	1.91
11008	12/10/2008	Radium-226	2.90	4.70	0.59		0.15
11008	12/10/2008	Thorium-230	2.80	4.60	8.35	U	8.35
11008	12/10/2008	Thorium-232	2.10	3.50	0.75		0.24
11008	12/10/2008	Uranium-238	2.20	4.20	0.64		0.50
11009	12/10/2008	Actinium-227	4.60	13.61	0.31	U	0.31
11009	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07
11009	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11009	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11009	12/10/2008	Cobalt-60	0.70	2.10	0.05	U	0.05
11009	12/10/2008	Lead-210	7.40	19.80	0.68	U	0.68
11009	12/10/2008	Plutonium-238	55.00	165.13	6.38	U	6.38
11009	12/10/2008	Protactinium-231	4.00	11.81	1.53	U	1.53
11009	12/10/2008	Radium-226	2.90	4.70	0.52		0.13
11009	12/10/2008	Thorium-230	2.80	4.60	6.42	U	6.42
11009	12/10/2008	Thorium-232	2.10	3.50	0.59		0.19
11009	12/10/2008	Uranium-238	2.20	4.20	0.54		0.42
11010	12/10/2008	Actinium-227	4.60	13.61	0.33	U	0.33
11010	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07
11010	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11010	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11010	12/10/2008	Cobalt-60	0.70	2.10	0.06	U	0.06
11010	12/10/2008	Lead-210	7.40	19.80	0.72	U	0.72
11010	12/10/2008	Plutonium-238	55.00	165.13	6.72	U	6.72
11010	12/10/2008	Protactinium-231	4.00	11.81	1.56	U	1.56
11010	12/10/2008	Radium-226	2.90	4.70	0.53		0.14
11010	12/10/2008	Thorium-230	2.80	4.60	6.97	U	6.97
11010	12/10/2008	Thorium-232	2.10	3.50	0.51		0.22
11010	12/10/2008	Uranium-238	2.20	4.20	0.73		0.42
11011	12/10/2008	Actinium-227	4.60	13.61	0.31	U	0.31
11011	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07
11011	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11011	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11011	12/10/2008	Cobalt-60	0.70	2.10	0.10	U	0.10
11011	12/10/2008	Lead-210	7.40	19.80	0.67		0.65
11011	12/10/2008	Plutonium-238	55.00	165.13	7.03	U	7.03
11011	12/10/2008	Protactinium-231	4.00	11.81	1.86	U	1.86
11011	12/10/2008	Radium-226	2.90	4.70	0.67		0.13
11011	12/10/2008	Thorium-230	2.80	4.60	6.78	U	6.78

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11011	12/10/2008	Thorium-232	2.10	3.50	0.48		0.18
11011	12/10/2008	Uranium-238	2.20	4.20	0.58		0.42
11012	12/10/2008	Actinium-227	4.60	13.61	0.29	U	0.29
11012	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07
11012	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11012	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11012	12/10/2008	Cobalt-60	0.70	2.10	0.06	U	0.06
11012	12/10/2008	Lead-210	7.40	19.80	0.63	U	0.63
11012	12/10/2008	Plutonium-238	55.00	165.13	5.97	U	5.97
11012	12/10/2008	Protactinium-231	4.00	11.81	1.35	U	1.35
11012	12/10/2008	Radium-226	2.90	4.70	0.75		0.11
11012	12/10/2008	Thorium-230	2.80	4.60	6.38	U	6.38
11012	12/10/2008	Thorium-232	2.10	3.50	0.42		0.17
11012	12/10/2008	Uranium-238	2.20	4.20	0.50		0.35
11013	12/10/2008	Actinium-227	4.60	13.61	0.33	U	0.33
11013	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07
11013	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11013	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11013	12/10/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11013	12/10/2008	Lead-210	7.40	19.80	0.73	U	0.73
11013	12/10/2008	Plutonium-238	55.00	165.13	6.92	U	6.92
11013	12/10/2008	Protactinium-231	4.00	11.81	1.80	U	1.80
11013	12/10/2008	Radium-226	2.90	4.70	0.85		0.14
11013	12/10/2008	Thorium-230	2.80	4.60	6.84	U	6.84
11013	12/10/2008	Thorium-232	2.10	3.50	0.38		0.22
11013	12/10/2008	Uranium-238	2.20	4.20	0.48		0.47
11014	12/10/2008	Actinium-227	4.60	13.61	0.28	U	0.28
11014	12/10/2008	Americium-241	63.00	189.00	0.06	U	0.06
11014	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11014	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11014	12/10/2008	Cobalt-60	0.70	2.10	0.06	U	0.06
11014	12/10/2008	Lead-210	7.40	19.80	0.58	U	0.58
11014	12/10/2008	Plutonium-238	55.00	165.13	5.63	U	5.63
11014	12/10/2008	Protactinium-231	4.00	11.81	1.45	U	1.45
11014	12/10/2008	Radium-226	2.90	4.70	0.40		0.12
11014	12/10/2008	Thorium-230	2.80	4.60	6.26	U	6.26
11014	12/10/2008	Thorium-232	2.10	3.50	0.43		0.16
11014	12/10/2008	Uranium-238	2.20	4.20	0.39	U	0.39
11015	12/10/2008	Actinium-227	4.60	13.61	0.28	U	0.28
11015	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07
11015	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11015	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11015	12/10/2008	Cobalt-60	0.70	2.10	0.08	U	0.08

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11015	12/10/2008	Lead-210	7.40	19.80	0.64	U	0.64
11015	12/10/2008	Plutonium-238	55.00	165.13	6.23	U	6.23
11015	12/10/2008	Protactinium-231	4.00	11.81	1.51	U	1.51
11015	12/10/2008	Radium-226	2.90	4.70	0.41		0.14
11015	12/10/2008	Thorium-230	2.80	4.60	6.64	U	6.64
11015	12/10/2008	Thorium-232	2.10	3.50	0.56		0.19
11015	12/10/2008	Uranium-238	2.20	4.20	0.73		0.40
11016	12/10/2008	Actinium-227	4.60	13.61	0.35	U	0.35
11016	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11016	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11016	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11016	12/10/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11016	12/10/2008	Lead-210	7.40	19.80	0.77	U	0.77
11016	12/10/2008	Plutonium-238	55.00	165.13	7.50	U	7.50
11016	12/10/2008	Protactinium-231	4.00	11.81	2.05	U	2.05
11016	12/10/2008	Radium-226	2.90	4.70	0.49		0.17
11016	12/10/2008	Thorium-230	2.80	4.60	7.25	U	7.25
11016	12/10/2008	Thorium-232	2.10	3.50	0.62		0.23
11016	12/10/2008	Uranium-238	2.20	4.20	0.65		0.49
11017	12/10/2008	Actinium-227	4.60	13.61	0.24	U	0.24
11017	12/10/2008	Americium-241	63.00	189.00	0.06	U	0.06
11017	12/10/2008	Bismuth-210M	8.30	24.90	0.04	U	0.04
11017	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11017	12/10/2008	Cobalt-60	0.70	2.10	0.04	U	0.04
11017	12/10/2008	Lead-210	7.40	19.80	0.53	U	0.53
11017	12/10/2008	Plutonium-238	55.00	165.13	5.59	U	5.59
11017	12/10/2008	Protactinium-231	4.00	11.81	1.43	U	1.43
11017	12/10/2008	Radium-226	2.90	4.70	0.52		0.11
11017	12/10/2008	Thorium-230	2.80	4.60	5.62	U	5.62
11017	12/10/2008	Thorium-232	2.10	3.50	0.55		0.13
11017	12/10/2008	Uranium-238	2.20	4.20	0.39	U	0.39
11018	12/10/2008	Actinium-227	4.60	13.61	0.25	U	0.25
11018	12/10/2008	Americium-241	63.00	189.00	0.06	U	0.06
11018	12/10/2008	Bismuth-210M	8.30	24.90	0.04	U	0.04
11018	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11018	12/10/2008	Cobalt-60	0.70	2.10	0.05	U	0.05
11018	12/10/2008	Lead-210	7.40	19.80	0.61	U	0.61
11018	12/10/2008	Plutonium-238	55.00	165.13	6.12	U	6.12
11018	12/10/2008	Protactinium-231	4.00	11.81	1.44	U	1.44
11018	12/10/2008	Radium-226	2.90	4.70	0.64		0.12
11018	12/10/2008	Thorium-230	2.80	4.60	5.86	U	5.86
11018	12/10/2008	Thorium-232	2.10	3.50	0.45		0.17
11018	12/10/2008	Uranium-238	2.20	4.20	0.60		0.39

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11019	12/10/2008	Actinium-227	4.60	13.61	0.29	U	0.29
11019	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07
11019	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11019	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11019	12/10/2008	Cobalt-60	0.70	2.10	0.05	U	0.05
11019	12/10/2008	Lead-210	7.40	19.80	0.62	U	0.62
11019	12/10/2008	Plutonium-238	55.00	165.13	6.57	U	6.57
11019	12/10/2008	Protactinium-231	4.00	11.81	1.68	U	1.68
11019	12/10/2008	Radium-226	2.90	4.70	0.81		0.10
11019	12/10/2008	Thorium-230	2.80	4.60	6.62	U	6.62
11019	12/10/2008	Thorium-232	2.10	3.50	0.53		0.17
11019	12/10/2008	Uranium-238	2.20	4.20	0.52		0.42
11020	12/10/2008	Actinium-227	4.60	13.61	0.30	U	0.30
11020	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11020	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11020	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11020	12/10/2008	Cobalt-60	0.70	2.10	0.08	U	0.08
11020	12/10/2008	Lead-210	7.40	19.80	1.00		0.68
11020	12/10/2008	Plutonium-238	55.00	165.13	7.62	U	7.62
11020	12/10/2008	Protactinium-231	4.00	11.81	1.79	U	1.79
11020	12/10/2008	Radium-226	2.90	4.70	0.77		0.13
11020	12/10/2008	Thorium-230	2.80	4.60	7.14	U	7.14
11020	12/10/2008	Thorium-232	2.10	3.50	0.51		0.22
11020	12/10/2008	Uranium-238	2.20	4.20	0.56		0.45
11021	12/10/2008	Actinium-227	4.60	13.61	0.38	U	0.38
11021	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11021	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11021	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11021	12/10/2008	Cobalt-60	0.70	2.10	0.08	U	0.08
11021	12/10/2008	Lead-210	7.40	19.80	0.84		0.80
11021	12/10/2008	Plutonium-238	55.00	165.13	7.85	U	7.85
11021	12/10/2008	Protactinium-231	4.00	11.81	1.83	U	1.83
11021	12/10/2008	Radium-226	2.90	4.70	0.79		0.16
11021	12/10/2008	Thorium-230	2.80	4.60	7.97	U	7.97
11021	12/10/2008	Thorium-232	2.10	3.50	1.02		0.19
11021	12/10/2008	Uranium-238	2.20	4.20	0.80		0.53
11022	12/10/2008	Actinium-227	4.60	13.61	0.38	U	0.38
11022	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11022	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11022	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11022	12/10/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11022	12/10/2008	Lead-210	7.40	19.80	0.83	U	0.83
11022	12/10/2008	Plutonium-238	55.00	165.13	8.12	U	8.12

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11022	12/10/2008	Protactinium-231	4.00	11.81	1.84	U	1.84
11022	12/10/2008	Radium-226	2.90	4.70	0.67		0.16
11022	12/10/2008	Thorium-230	2.80	4.60	7.64	U	7.64
11022	12/10/2008	Thorium-232	2.10	3.50	0.77		0.22
11022	12/10/2008	Uranium-238	2.20	4.20	0.58		0.51
11023	12/10/2008	Actinium-227	4.60	13.61	0.43	U	0.43
11023	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11023	12/10/2008	Bismuth-210M	8.30	24.90	0.07	U	0.07
11023	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11023	12/10/2008	Cobalt-60	0.70	2.10	0.08	U	0.08
11023	12/10/2008	Lead-210	7.40	19.80	0.90	U	0.90
11023	12/10/2008	Plutonium-238	55.00	165.13	8.83	U	8.83
11023	12/10/2008	Protactinium-231	4.00	11.81	2.30	U	2.30
11023	12/10/2008	Radium-226	2.90	4.70	0.89		0.16
11023	12/10/2008	Thorium-230	2.80	4.60	9.03	U	9.03
11023	12/10/2008	Thorium-232	2.10	3.50	1.09		0.21
11023	12/10/2008	Uranium-238	2.20	4.20	1.12		0.58
11024	12/10/2008	Actinium-227	4.60	13.61	0.37	U	0.37
11024	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11024	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11024	12/10/2008	Cesium-137	3.80	10.62	0.07	U	0.07
11024	12/10/2008	Cobalt-60	0.70	2.10	0.08	U	0.08
11024	12/10/2008	Lead-210	7.40	19.80	0.90	U	0.90
11024	12/10/2008	Plutonium-238	55.00	165.13	8.02	U	8.02
11024	12/10/2008	Protactinium-231	4.00	11.81	2.06	U	2.06
11024	12/10/2008	Radium-226	2.90	4.70	0.72		0.17
11024	12/10/2008	Thorium-230	2.80	4.60	8.43	U	8.43
11024	12/10/2008	Thorium-232	2.10	3.50	0.89		0.23
11024	12/10/2008	Uranium-238	2.20	4.20	1.09		0.53
11025	12/10/2008	Actinium-227	4.60	13.61	0.38	U	0.38
11025	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11025	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11025	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11025	12/10/2008	Cobalt-60	0.70	2.10	0.10	U	0.10
11025	12/10/2008	Lead-210	7.40	19.80	0.81	U	0.81
11025	12/10/2008	Plutonium-238	55.00	165.13	7.77	U	7.77
11025	12/10/2008	Protactinium-231	4.00	11.81	1.96	U	1.96
11025	12/10/2008	Radium-226	2.90	4.70	0.69		0.17
11025	12/10/2008	Thorium-230	2.80	4.60	8.17	U	8.17
11025	12/10/2008	Thorium-232	2.10	3.50	0.72		0.24
11025	12/10/2008	Uranium-238	2.20	4.20	0.68		0.52
11026	12/10/2008	Actinium-227	4.60	13.61	0.28		0.28
11026	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11026	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11026	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11026	12/10/2008	Cobalt-60	0.70	2.10	0.08	U	0.08
11026	12/10/2008	Lead-210	7.40	19.80	0.72		0.63
11026	12/10/2008	Plutonium-238	55.00	165.13	6.19	U	6.19
11026	12/10/2008	Protactinium-231	4.00	11.81	1.69	U	1.69
11026	12/10/2008	Radium-226	2.90	4.70	0.60		0.10
11026	12/10/2008	Thorium-230	2.80	4.60	6.65	U	6.65
11026	12/10/2008	Thorium-232	2.10	3.50	0.53		0.19
11026	12/10/2008	Uranium-238	2.20	4.20	0.43	U	0.43
11027	12/15/2008	Actinium-227	4.60	13.61	0.31	U	0.31
11027	12/15/2008	Americium-241	63.00	189.00	0.07	U	0.07
11027	12/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11027	12/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11027	12/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11027	12/15/2008	Lead-210	7.40	19.80	0.65	U	0.65
11027	12/15/2008	Plutonium-238	55.00	165.13	7.10	U	7.10
11027	12/15/2008	Protactinium-231	4.00	11.81	1.62	U	1.62
11027	12/15/2008	Radium-226	2.90	4.70	0.64		0.14
11027	12/15/2008	Thorium-230	2.80	4.60	6.74	U	6.74
11027	12/15/2008	Thorium-232	2.10	3.50	0.51		0.16
11027	12/15/2008	Uranium-238	2.20	4.20	0.43	U	0.43
11028	12/15/2008	Actinium-227	4.60	13.61	0.30	U	0.30
11028	12/15/2008	Americium-241	63.00	189.00	0.07	U	0.07
11028	12/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11028	12/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11028	12/15/2008	Cobalt-60	0.70	2.10	0.06	U	0.06
11028	12/15/2008	Lead-210	7.40	19.80	0.72		0.64
11028	12/15/2008	Plutonium-238	55.00	165.13	7.15	U	7.15
11028	12/15/2008	Protactinium-231	4.00	11.81	1.64	U	1.64
11028	12/15/2008	Radium-226	2.90	4.70	0.77		0.11
11028	12/15/2008	Thorium-230	2.80	4.60	6.40	U	6.40
11028	12/15/2008	Thorium-232	2.10	3.50	0.36		0.20
11028	12/15/2008	Uranium-238	2.20	4.20	0.43	U	0.43
11029	12/15/2008	Actinium-227	4.60	13.61	0.31	U	0.31
11029	12/15/2008	Americium-241	63.00	189.00	0.07	U	0.07
11029	12/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11029	12/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11029	12/15/2008	Cobalt-60	0.70	2.10	0.08	U	0.08
11029	12/15/2008	Lead-210	7.40	19.80	0.72	U	0.72
11029	12/15/2008	Plutonium-238	55.00	165.13	5.66	U	5.66
11029	12/15/2008	Protactinium-231	4.00	11.81	1.68	U	1.68
11029	12/15/2008	Radium-226	2.90	4.70	0.48		0.15

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11029	12/15/2008	Thorium-230	2.80	4.60	6.96	U	6.96
11029	12/15/2008	Thorium-232	2.10	3.50	0.81		0.15
11029	12/15/2008	Uranium-238	2.20	4.20	0.65		0.46
11030	12/15/2008	Actinium-227	4.60	13.61	0.23	U	0.23
11030	12/15/2008	Americium-241	63.00	189.00	0.05	U	0.05
11030	12/15/2008	Bismuth-210M	8.30	24.90	0.04	U	0.04
11030	12/15/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11030	12/15/2008	Cobalt-60	0.70	2.10	0.04	U	0.04
11030	12/15/2008	Lead-210	7.40	19.80	0.50	U	0.50
11030	12/15/2008	Plutonium-238	55.00	165.13	4.82	U	4.82
11030	12/15/2008	Protactinium-231	4.00	11.81	1.09	U	1.09
11030	12/15/2008	Radium-226	2.90	4.70	0.54		0.11
11030	12/15/2008	Thorium-230	2.80	4.60	4.92	U	4.92
11030	12/15/2008	Thorium-232	2.10	3.50	0.60		0.12
11030	12/15/2008	Uranium-238	2.20	4.20	0.56		0.32
11031	12/15/2008	Actinium-227	4.60	13.61	0.35	U	0.35
11031	12/15/2008	Americium-241	63.00	189.00	0.08	U	0.08
11031	12/15/2008	Bismuth-210M	8.30	24.90	0.07	U	0.07
11031	12/15/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11031	12/15/2008	Cobalt-60	0.70	2.10	0.06	U	0.06
11031	12/15/2008	Lead-210	7.40	19.80	0.85	U	0.85
11031	12/15/2008	Plutonium-238	55.00	165.13	7.43	U	7.43
11031	12/15/2008	Protactinium-231	4.00	11.81	1.93	U	1.93
11031	12/15/2008	Radium-226	2.90	4.70	0.61		0.16
11031	12/15/2008	Thorium-230	2.80	4.60	8.14	U	8.14
11031	12/15/2008	Thorium-232	2.10	3.50	0.57		0.29
11031	12/15/2008	Uranium-238	2.20	4.20	0.54	U	0.54
11032	12/10/2008	Actinium-227	4.60	13.61	0.21	U	0.21
11032	12/10/2008	Americium-241	63.00	189.00	0.05	U	0.05
11032	12/10/2008	Bismuth-210M	8.30	24.90	0.04	U	0.04
11032	12/10/2008	Cesium-137	3.80	10.62	0.03	U	0.03
11032	12/10/2008	Cobalt-60	0.70	2.10	0.04	U	0.04
11032	12/10/2008	Lead-210	7.40	19.80	0.49	U	0.49
11032	12/10/2008	Plutonium-238	55.00	165.13	4.57	U	4.57
11032	12/10/2008	Protactinium-231	4.00	11.81	1.06	U	1.06
11032	12/10/2008	Radium-226	2.90	4.70	0.34		0.10
11032	12/10/2008	Thorium-230	2.80	4.60	4.65	U	4.65
11032	12/10/2008	Thorium-232	2.10	3.50	0.23		0.16
11032	12/10/2008	Uranium-238	2.20	4.20	0.41		0.31
11033	12/10/2008	Actinium-227	4.60	13.61	0.38	U	0.38
11033	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11033	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11033	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11033	12/10/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11033	12/10/2008	Lead-210	7.40	19.80	0.81	U	0.81
11033	12/10/2008	Plutonium-238	55.00	165.13	7.71	U	7.71
11033	12/10/2008	Protactinium-231	4.00	11.81	1.95	U	1.95
11033	12/10/2008	Radium-226	2.90	4.70	0.55		0.18
11033	12/10/2008	Thorium-230	2.80	4.60	8.27	U	8.27
11033	12/10/2008	Thorium-232	2.10	3.50	0.65		0.26
11033	12/10/2008	Uranium-238	2.20	4.20	0.67		0.53
11034	12/10/2008	Actinium-227	4.60	13.61	0.39	U	0.39
11034	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11034	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11034	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11034	12/10/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11034	12/10/2008	Lead-210	7.40	19.80	0.85	U	0.85
11034	12/10/2008	Plutonium-238	55.00	165.13	8.72	U	8.72
11034	12/10/2008	Protactinium-231	4.00	11.81	1.91	U	1.91
11034	12/10/2008	Radium-226	2.90	4.70	0.66		0.17
11034	12/10/2008	Thorium-230	2.80	4.60	8.03	U	8.03
11034	12/10/2008	Thorium-232	2.10	3.50	0.95		0.27
11034	12/10/2008	Uranium-238	2.20	4.20	1.35		0.55
11035	12/10/2008	Actinium-227	4.60	13.61	0.31	U	0.31
11035	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07
11035	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11035	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11035	12/10/2008	Cobalt-60	0.70	2.10	0.04	U	0.04
11035	12/10/2008	Lead-210	7.40	19.80	0.68		0.63
11035	12/10/2008	Plutonium-238	55.00	165.13	6.95	U	6.95
11035	12/10/2008	Protactinium-231	4.00	11.81	1.51	U	1.51
11035	12/10/2008	Radium-226	2.90	4.70	0.59		0.14
11035	12/10/2008	Thorium-230	2.80	4.60	6.60	U	6.60
11035	12/10/2008	Thorium-232	2.10	3.50	0.22	U	0.22
11035	12/10/2008	Uranium-238	2.20	4.20	0.43	U	0.43
11036	12/10/2008	Actinium-227	4.60	13.61	0.41	U	0.41
11036	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11036	12/10/2008	Bismuth-210M	8.30	24.90	0.07	U	0.07
11036	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11036	12/10/2008	Cobalt-60	0.70	2.10	0.06	U	0.06
11036	12/10/2008	Lead-210	7.40	19.80	0.89	U	0.89
11036	12/10/2008	Plutonium-238	55.00	165.13	8.89	U	8.89
11036	12/10/2008	Protactinium-231	4.00	11.81	1.93	U	1.93
11036	12/10/2008	Radium-226	2.90	4.70	0.66		0.17
11036	12/10/2008	Thorium-230	2.80	4.60	8.78	U	8.78
11036	12/10/2008	Thorium-232	2.10	3.50	0.87		0.27

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11036	12/10/2008	Uranium-238	2.20	4.20	0.93		0.58
11037	12/10/2008	Actinium-227	4.60	13.61	0.38	U	0.38
11037	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11037	12/10/2008	Bismuth-210M	8.30	24.90	0.07	U	0.07
11037	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11037	12/10/2008	Cobalt-60	0.70	2.10	0.08	U	0.08
11037	12/10/2008	Lead-210	7.40	19.80	0.90	U	0.90
11037	12/10/2008	Plutonium-238	55.00	165.13	8.04	U	8.04
11037	12/10/2008	Protactinium-231	4.00	11.81	2.10	U	2.10
11037	12/10/2008	Radium-226	2.90	4.70	0.85		0.16
11037	12/10/2008	Thorium-230	2.80	4.60	8.88	U	8.88
11037	12/10/2008	Thorium-232	2.10	3.50	0.89		0.24
11037	12/10/2008	Uranium-238	2.20	4.20	0.56	U	0.56
11038	12/15/2008	Actinium-227	4.60	13.61	0.32	U	0.32
11038	12/15/2008	Americium-241	63.00	189.00	0.08	U	0.08
11038	12/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11038	12/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11038	12/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11038	12/15/2008	Lead-210	7.40	19.80	0.76	U	0.76
11038	12/15/2008	Plutonium-238	55.00	165.13	7.65	U	7.65
11038	12/15/2008	Protactinium-231	4.00	11.81	1.76	U	1.76
11038	12/15/2008	Radium-226	2.90	4.70	0.71		0.16
11038	12/15/2008	Thorium-230	2.80	4.60	8.08	U	8.08
11038	12/15/2008	Thorium-232	2.10	3.50	0.90		0.16
11038	12/15/2008	Uranium-238	2.20	4.20	0.66		0.49
11039	12/15/2008	Actinium-227	4.60	13.61	0.36	U	0.36
11039	12/15/2008	Americium-241	63.00	189.00	0.09	U	0.09
11039	12/15/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11039	12/15/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11039	12/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11039	12/15/2008	Lead-210	7.40	19.80	0.82	U	0.82
11039	12/15/2008	Plutonium-238	55.00	165.13	7.67	U	7.67
11039	12/15/2008	Protactinium-231	4.00	11.81	1.80	U	1.80
11039	12/15/2008	Radium-226	2.90	4.70	0.86		0.15
11039	12/15/2008	Thorium-230	2.80	4.60	8.06	U	8.06
11039	12/15/2008	Thorium-232	2.10	3.50	0.94		0.26
11039	12/15/2008	Uranium-238	2.20	4.20	0.53	U	0.53
11040 A	1/6/2009	Actinium-227	4.60	13.61	0.28	U	0.28
11040 A	1/6/2009	Americium-241	63.00	189.00	0.06	U	0.06
11040 A	1/6/2009	Bismuth-210M	8.30	24.90	0.05	U	0.05
11040 A	1/6/2009	Cesium-137	3.80	10.62	0.04	U	0.04
11040 A	1/6/2009	Cobalt-60	0.70	2.10	0.05	U	0.05
11040 A	1/6/2009	Lead-210	7.40	19.80	0.73		0.59

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11040 A	1/6/2009	Plutonium-238	55.00	165.13	6.25	U	6.25
11040 A	1/6/2009	Protactinium-231	4.00	11.81	1.48	U	1.48
11040 A	1/6/2009	Radium-226	2.90	4.70	0.80		0.10
11040 A	1/6/2009	Thorium-230	2.80	4.60	6.21	U	6.21
11040 A	1/6/2009	Thorium-232	2.10	3.50	0.52		0.17
11040 A	1/6/2009	Uranium-238	2.20	4.20	0.66		0.39
11040 B	1/6/2009	Actinium-227	4.60	13.61	0.31	U	0.31
11040 B	1/6/2009	Americium-241	63.00	189.00	0.08	U	0.08
11040 B	1/6/2009	Bismuth-210M	8.30	24.90	0.06	U	0.06
11040 B	1/6/2009	Cesium-137	3.80	10.62	0.05	U	0.05
11040 B	1/6/2009	Cobalt-60	0.70	2.10	0.10	U	0.10
11040 B	1/6/2009	Lead-210	7.40	19.80	0.74	U	0.74
11040 B	1/6/2009	Plutonium-238	55.00	165.13	6.56	U	6.56
11040 B	1/6/2009	Protactinium-231	4.00	11.81	1.65	U	1.65
11040 B	1/6/2009	Radium-226	2.90	4.70	0.73		0.13
11040 B	1/6/2009	Thorium-230	2.80	4.60	7.45	U	7.45
11040 B	1/6/2009	Thorium-232	2.10	3.50	0.60		0.17
11040 B	1/6/2009	Uranium-238	2.20	4.20	0.69		0.44
11041	12/10/2008	Actinium-227	4.60	13.61	0.33	U	0.33
11041	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11041	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11041	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11041	12/10/2008	Cobalt-60	0.70	2.10	0.06	U	0.06
11041	12/10/2008	Lead-210	7.40	19.80	0.77	U	0.77
11041	12/10/2008	Plutonium-238	55.00	165.13	6.95	U	6.95
11041	12/10/2008	Protactinium-231	4.00	11.81	1.78	U	1.78
11041	12/10/2008	Radium-226	2.90	4.70	0.49		0.14
11041	12/10/2008	Thorium-230	2.80	4.60	7.58	U	7.58
11041	12/10/2008	Thorium-232	2.10	3.50	0.65		0.23
11041	12/10/2008	Uranium-238	2.20	4.20	0.62		0.47
11042	12/10/2008	Actinium-227	4.60	13.61	0.21	U	0.21
11042	12/10/2008	Americium-241	63.00	189.00	0.05	U	0.05
11042	12/10/2008	Bismuth-210M	8.30	24.90	0.04	U	0.04
11042	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11042	12/10/2008	Cobalt-60	0.70	2.10	0.03	U	0.03
11042	12/10/2008	Lead-210	7.40	19.80	0.49	U	0.49
11042	12/10/2008	Plutonium-238	55.00	165.13	5.27	U	5.27
11042	12/10/2008	Protactinium-231	4.00	11.81	1.34	U	1.34
11042	12/10/2008	Radium-226	2.90	4.70	0.44		0.08
11042	12/10/2008	Thorium-230	2.80	4.60	4.68	U	4.68
11042	12/10/2008	Thorium-232	2.10	3.50	0.12	U	0.12
11042	12/10/2008	Uranium-238	2.20	4.20	0.30	U	0.30
11043	12/10/2008	Actinium-227	4.60	13.61	0.33	U	0.33

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11043	12/10/2008	Americium-241	63.00	189.00	0.08		0.07
11043	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11043	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11043	12/10/2008	Cobalt-60	0.70	2.10	0.05	U	0.05
11043	12/10/2008	Lead-210	7.40	19.80	0.76	U	0.76
11043	12/10/2008	Plutonium-238	55.00	165.13	7.62	U	7.62
11043	12/10/2008	Protactinium-231	4.00	11.81	1.84	U	1.84
11043	12/10/2008	Radium-226	2.90	4.70	0.87		0.12
11043	12/10/2008	Thorium-230	2.80	4.60	6.94	U	6.94
11043	12/10/2008	Thorium-232	2.10	3.50	0.75		0.13
11043	12/10/2008	Uranium-238	2.20	4.20	0.53		0.45
11044	12/10/2008	Actinium-227	4.60	13.61	0.29	U	0.29
11044	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07
11044	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11044	12/10/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11044	12/10/2008	Cobalt-60	0.70	2.10	0.05	U	0.05
11044	12/10/2008	Lead-210	7.40	19.80	0.69	U	0.69
11044	12/10/2008	Plutonium-238	55.00	165.13	6.56	U	6.56
11044	12/10/2008	Protactinium-231	4.00	11.81	1.45	U	1.45
11044	12/10/2008	Radium-226	2.90	4.70	0.67		0.15
11044	12/10/2008	Thorium-230	2.80	4.60	6.64	U	6.64
11044	12/10/2008	Thorium-232	2.10	3.50	0.41		0.19
11044	12/10/2008	Uranium-238	2.20	4.20	0.46	U	0.46
11045	12/10/2008	Actinium-227	4.60	13.61	0.30	U	0.30
11045	12/10/2008	Americium-241	63.00	189.00	0.07	U	0.07
11045	12/10/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11045	12/10/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11045	12/10/2008	Cobalt-60	0.70	2.10	0.05	U	0.05
11045	12/10/2008	Lead-210	7.40	19.80	0.62	U	0.62
11045	12/10/2008	Plutonium-238	55.00	165.13	6.46	U	6.46
11045	12/10/2008	Protactinium-231	4.00	11.81	1.34	U	1.34
11045	12/10/2008	Radium-226	2.90	4.70	0.50		0.13
11045	12/10/2008	Thorium-230	2.80	4.60	6.29	U	6.29
11045	12/10/2008	Thorium-232	2.10	3.50	0.26		0.18
11045	12/10/2008	Uranium-238	2.20	4.20	0.44		0.42
11046	12/10/2008	Actinium-227	4.60	13.61	0.24	U	0.24
11046	12/10/2008	Americium-241	63.00	189.00	0.05	U	0.05
11046	12/10/2008	Bismuth-210M	8.30	24.90	0.04	U	0.04
11046	12/10/2008	Cesium-137	3.80	10.62	0.03	U	0.03
11046	12/10/2008	Cobalt-60	0.70	2.10	0.05	U	0.05
11046	12/10/2008	Lead-210	7.40	19.80	0.51	U	0.51
11046	12/10/2008	Plutonium-238	55.00	165.13	5.14	U	5.14
11046	12/10/2008	Protactinium-231	4.00	11.81	1.33	U	1.33

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11046	12/10/2008	Radium-226	2.90	4.70	0.73		0.08
11046	12/10/2008	Thorium-230	2.80	4.60	5.25	U	5.25
11046	12/10/2008	Thorium-232	2.10	3.50	0.41		0.13
11046	12/10/2008	Uranium-238	2.20	4.20	0.33	U	0.33
11047	12/15/2008	Actinium-227	4.60	13.61	0.28	U	0.28
11047	12/15/2008	Americium-241	63.00	189.00	0.07	U	0.07
11047	12/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11047	12/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11047	12/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11047	12/15/2008	Lead-210	7.40	19.80	0.60	U	0.60
11047	12/15/2008	Plutonium-238	55.00	165.13	6.53	U	6.53
11047	12/15/2008	Protactinium-231	4.00	11.81	1.57	U	1.57
11047	12/15/2008	Radium-226	2.90	4.70	0.53		0.13
11047	12/15/2008	Thorium-230	2.80	4.60	6.25	U	6.25
11047	12/15/2008	Thorium-232	2.10	3.50	0.69		0.17
11047	12/15/2008	Uranium-238	2.20	4.20	0.69		0.41
11048	12/10/2008	Actinium-227	4.60	13.61	0.37	U	0.37
11048	12/10/2008	Americium-241	63.00	189.00	0.09	U	0.09
11048	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11048	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11048	12/10/2008	Cobalt-60	0.70	2.10	0.09	U	0.09
11048	12/10/2008	Lead-210	7.40	19.80	0.82	U	0.82
11048	12/10/2008	Plutonium-238	55.00	165.13	7.49	U	7.49
11048	12/10/2008	Protactinium-231	4.00	11.81	2.10	U	2.10
11048	12/10/2008	Radium-226	2.90	4.70	0.76		0.14
11048	12/10/2008	Thorium-230	2.80	4.60	7.81	U	7.81
11048	12/10/2008	Thorium-232	2.10	3.50	0.70		0.23
11048	12/10/2008	Uranium-238	2.20	4.20	0.73		0.53
11049	12/10/2008	Actinium-227	4.60	13.61	0.35	U	0.35
11049	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11049	12/10/2008	Bismuth-210M	8.30	24.90	0.07	U	0.07
11049	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11049	12/10/2008	Cobalt-60	0.70	2.10	0.06	U	0.06
11049	12/10/2008	Lead-210	7.40	19.80	0.76	U	0.76
11049	12/10/2008	Plutonium-238	55.00	165.13	7.75	U	7.75
11049	12/10/2008	Protactinium-231	4.00	11.81	1.78	U	1.78
11049	12/10/2008	Radium-226	2.90	4.70	0.73		0.14
11049	12/10/2008	Thorium-230	2.80	4.60	7.56	U	7.56
11049	12/10/2008	Thorium-232	2.10	3.50	0.83		0.23
11049	12/10/2008	Uranium-238	2.20	4.20	0.51	U	0.51
11050	12/10/2008	Actinium-227	4.60	13.61	0.37	U	0.37
11050	12/10/2008	Americium-241	63.00	189.00	0.08	U	0.08
11050	12/10/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11050	12/10/2008	Cesium-137	3.80	10.62	0.06	U	0.06
11050	12/10/2008	Cobalt-60	0.70	2.10	0.08	U	0.08
11050	12/10/2008	Lead-210	7.40	19.80	0.77	U	0.77
11050	12/10/2008	Plutonium-238	55.00	165.13	7.50	U	7.50
11050	12/10/2008	Protactinium-231	4.00	11.81	1.78	U	1.78
11050	12/10/2008	Radium-226	2.90	4.70	0.56		0.17
11050	12/10/2008	Thorium-230	2.80	4.60	7.83	U	7.83
11050	12/10/2008	Thorium-232	2.10	3.50	0.86		0.20
11050	12/10/2008	Uranium-238	2.20	4.20	0.63		0.49
11051	12/15/2008	Actinium-227	4.60	13.61	0.34	U	0.34
11051	12/15/2008	Americium-241	63.00	189.00	0.08	U	0.08
11051	12/15/2008	Bismuth-210M	8.30	24.90	0.06	U	0.06
11051	12/15/2008	Cesium-137	3.80	10.62	0.04	U	0.04
11051	12/15/2008	Cobalt-60	0.70	2.10	0.07	U	0.07
11051	12/15/2008	Lead-210	7.40	19.80	0.69	U	0.69
11051	12/15/2008	Plutonium-238	55.00	165.13	7.15	U	7.15
11051	12/15/2008	Protactinium-231	4.00	11.81	1.69	U	1.69
11051	12/15/2008	Radium-226	2.90	4.70	0.63		0.16
11051	12/15/2008	Thorium-230	2.80	4.60	7.88	U	7.88
11051	12/15/2008	Thorium-232	2.10	3.50	0.71		0.22
11051	12/15/2008	Uranium-238	2.20	4.20	0.69		0.49
11052	12/15/2008	Actinium-227	4.60	13.61	0.28	U	0.28
11052	12/15/2008	Americium-241	63.00	189.00	0.07	U	0.07
11052	12/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11052	12/15/2008	Cesium-137	3.80	10.62	0.03	U	0.03
11052	12/15/2008	Cobalt-60	0.70	2.10	0.04	U	0.04
11052	12/15/2008	Lead-210	7.40	19.80	0.63	U	0.63
11052	12/15/2008	Plutonium-238	55.00	165.13	5.82	U	5.82
11052	12/15/2008	Protactinium-231	4.00	11.81	1.43	U	1.43
11052	12/15/2008	Radium-226	2.90	4.70	0.67		0.13
11052	12/15/2008	Thorium-230	2.80	4.60	5.86	U	5.86
11052	12/15/2008	Thorium-232	2.10	3.50	0.37		0.16
11052	12/15/2008	Uranium-238	2.20	4.20	0.40	U	0.40
11053	12/15/2008	Actinium-227	4.60	13.61	0.29	U	0.29
11053	12/15/2008	Americium-241	63.00	189.00	0.06	U	0.06
11053	12/15/2008	Bismuth-210M	8.30	24.90	0.05	U	0.05
11053	12/15/2008	Cesium-137	3.80	10.62	0.05	U	0.05
11053	12/15/2008	Cobalt-60	0.70	2.10	0.04	U	0.04
11053	12/15/2008	Lead-210	7.40	19.80	0.61	U	0.61
11053	12/15/2008	Plutonium-238	55.00	165.13	5.28	U	5.28
11053	12/15/2008	Protactinium-231	4.00	11.81	1.45	U	1.45
11053	12/15/2008	Radium-226	2.90	4.70	0.45		0.12
11053	12/15/2008	Thorium-230	2.80	4.60	5.99	U	5.99

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11053	12/15/2008	Thorium-232	2.10	3.50	0.37		0.21
11053	12/15/2008	Uranium-238	2.20	4.20	0.54		0.35
CO	Cleanup Objective						
HS	Hot Spot Criteria						
MDA	Minimum Detectable Activity						
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit						

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11040A	1/6/2009	Thorium 228	2.60	4.80	0.66		0.07
11040A	1/6/2009	Thorium 230	2.80	4.60	0.9		0.05
11040A	1/6/2009	Thorium 232	2.10	3.50	0.71		0.02
11040A	1/6/2009	Uranium 233/234	2.00	14.50	0.75		0.04
11040A	1/6/2009	Uranium 235	3.10	9.29	0.012	U	0.058
11040A	1/6/2009	Uranium 238	2.2	4.2	0.67		0.04
11040B	1/6/2009	Thorium 228	2.60	4.80	0.88		0.08
11040B	1/6/2009	Thorium 230	2.80	4.60	0.68		0.07
11040B	1/6/2009	Thorium 232	2.10	3.50	0.86		0.06
11040B	1/6/2009	Uranium 233/234	2.00	14.50	0.89		0.06
11040B	1/6/2009	Uranium 235	3.10	9.29	0.042	J	0.028
11040B	1/6/2009	Uranium 238	2.2	4.2	0.73		0.04
11041	12/10/2008	Thorium 228	2.60	4.80	1.13		0.08
11041	12/10/2008	Thorium 230	2.80	4.60	1.01		0.07
11041	12/10/2008	Thorium 232	2.10	3.50	1.14		0.05
11041	12/10/2008	Uranium 233/234	2.00	14.50	0.6		0.06
11041	12/10/2008	Uranium 235	3.10	9.29	0.007	U	0.042
11041	12/10/2008	Uranium 238	2.2	4.2	0.75		0.06
11042	12/10/2008	Thorium 228	2.60	4.80	0.187	J	0.084
11042	12/10/2008	Thorium 230	2.80	4.60	0.45		0.06
11042	12/10/2008	Thorium 232	2.10	3.50	0.092	J	0.048
11042	12/10/2008	Uranium 233/234	2.00	14.50	0.37		0.04
11042	12/10/2008	Uranium 235	3.10	9.29	0.009	U	0.058
11042	12/10/2008	Uranium 238	2.2	4.2	0.35		0.06
11043	12/10/2008	Thorium 228	2.60	4.80	0.96		0.07
11043	12/10/2008	Thorium 230	2.80	4.60	1.2		0.05
11043	12/10/2008	Thorium 232	2.10	3.50	0.98		0.05
11043	12/10/2008	Uranium 233/234	2.00	14.50	0.77		0.04
11043	12/10/2008	Uranium 235	3.10	9.29	0.053	J	0.024
11043	12/10/2008	Uranium 238	2.2	4.2	0.98		0.04
11044	12/10/2008	Thorium 228	2.60	4.80	0.63		0.06
11044	12/10/2008	Thorium 230	2.80	4.60	0.95		0.03
11044	12/10/2008	Thorium 232	2.10	3.50	0.61		0.02
11044	12/10/2008	Uranium 233/234	2.00	14.50	0.66		0.05
11044	12/10/2008	Uranium 235	3.10	9.29	0.036	J	0.024
11044	12/10/2008	Uranium 238	2.2	4.2	0.73		0.03
11045	12/10/2008	Thorium 228	2.60	4.80	0.52		0.07
11045	12/10/2008	Thorium 230	2.80	4.60	0.86		0.05
11045	12/10/2008	Thorium 232	2.10	3.50	0.48		0.04
11045	12/10/2008	Uranium 233/234	2.00	14.50	0.45		0.06
11045	12/10/2008	Uranium 235	3.10	9.29	0.028	U	0.06
11045	12/10/2008	Uranium 238	2.2	4.2	0.64		0.05
11046	12/10/2008	Thorium 228	2.60	4.80	0.55		0.07

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11046	12/10/2008	Thorium 230	2.80	4.60	0.84		0.02
11046	12/10/2008	Thorium 232	2.10	3.50	0.52		0.05
11046	12/10/2008	Uranium 233/234	2.00	14.50	0.75		0.05
11046	12/10/2008	Uranium 235	3.10	9.29	0.017	U	0.044
11046	12/10/2008	Uranium 238	2.2	4.2	0.75		0.02
11047	12/15/2008	Thorium 228	2.60	4.80	1.28		0.06
11047	12/15/2008	Thorium 230	2.80	4.60	1.15		0.03
11047	12/15/2008	Thorium 232	2.10	3.50	1.18		0.03
11047	12/15/2008	Uranium 233/234	2.00	14.50	0.75		0.02
11047	12/15/2008	Uranium 235	3.10	9.29	0.025	J	0.022
11047	12/15/2008	Uranium 238	2.2	4.2	0.74		0.02
11048	12/10/2008	Thorium 228	2.60	4.80	1.29		0.08
11048	12/10/2008	Thorium 230	2.80	4.60	0.87		0.06
11048	12/10/2008	Thorium 232	2.10	3.50	1.1		0.05
11048	12/10/2008	Uranium 233/234	2.00	14.50	0.67		0.05
11048	12/10/2008	Uranium 235	3.10	9.29	0.054	J	0.043
11048	12/10/2008	Uranium 238	2.2	4.2	0.79		0.04
11049	12/10/2008	Thorium 228	2.60	4.80	1.18		0.06
11049	12/10/2008	Thorium 230	2.80	4.60	1.01		0.06
11049	12/10/2008	Thorium 232	2.10	3.50	1.06		0.05
11049	12/10/2008	Uranium 233/234	2.00	14.50	0.89		0.03
11049	12/10/2008	Uranium 235	3.10	9.29	0.021	U	0.056
11049	12/10/2008	Uranium 238	2.2	4.2	0.76		0.05
11050	12/10/2008	Thorium 228	2.60	4.80	1.25		0.04
11050	12/10/2008	Thorium 230	2.80	4.60	1.34		0.05
11050	12/10/2008	Thorium 232	2.10	3.50	1.21		0.05
11050	12/10/2008	Uranium 233/234	2.00	14.50	0.94		0.04
11050	12/10/2008	Uranium 235	3.10	9.29	0.022	U	0.056
11050	12/10/2008	Uranium 238	2.2	4.2	0.88		0.04
11051	12/15/2008	Thorium 228	2.60	4.80	1.28		0.06
11051	12/15/2008	Thorium 230	2.80	4.60	1.08		0.04
11051	12/15/2008	Thorium 232	2.10	3.50	1.18		0.02
11051	12/15/2008	Uranium 233/234	2.00	14.50	0.86		0.06
11051	12/15/2008	Uranium 235	3.10	9.29	0.019	U	0.025
11051	12/15/2008	Uranium 238	2.2	4.2	0.81		0.04
11052	12/15/2008	Thorium 228	2.60	4.80	0.7		0.06
11052	12/15/2008	Thorium 230	2.80	4.60	0.95		0.04
11052	12/15/2008	Thorium 232	2.10	3.50	0.61		0.04
11052	12/15/2008	Uranium 233/234	2.00	14.50	0.5		0.05
11052	12/15/2008	Uranium 235	3.10	9.29	0.045	J	0.024
11052	12/15/2008	Uranium 238	2.2	4.2	0.56		0.03
11053	12/15/2008	Thorium 228	2.60	4.80	1.02		0.08
11053	12/15/2008	Thorium 230	2.80	4.60	1.34		0.06

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA
11053	12/15/2008	Thorium 232	2.10	3.50	1.04		0.05
11053	12/15/2008	Uranium 233/234	2.00	14.50	0.59		0.03
11053	12/15/2008	Uranium 235	3.10	9.29	0.04	U	0.047
11053	12/15/2008	Uranium 238	2.2	4.2	0.7		0.03
CO	Cleanup Objective						
HS	Hot Spot Criteria						
MDA	Minimium Detectable Activity						
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit						
J	The associated numerical value is an estimated quantity						

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0118A-HO	9/24/2008	Actinium-227	4.60	13.61	0.02	0.32	U		
4101-0118A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0118A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0118A-HO	9/24/2008	Cesium-137	3.80	10.62	0.02	0.04	U		
4101-0118A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0118A-HO	9/24/2008	Lead-210	7.40	19.80	0.85	0.66			
4101-0118A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	7.25	U		
4101-0118A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	1.85	U		
4101-0118A-HO	9/24/2008	Radium-226	2.90	4.70	0.63	0.11			
4101-0118A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	7.11	U		
4101-0118A-HO	9/24/2008	Thorium-232	2.10	3.50	0.39	0.18			
4101-0118A-HO	9/24/2008	Uranium-238	2.20	4.20	0.71	0.43			
4101-0119A-HO	9/24/2008	Actinium-227	4.60	13.61	0.00	0.36	U		
4101-0119A-HO	9/24/2008	Americium-241	63.00	189.00	0.03	0.08	U		
4101-0119A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0119A-HO	9/24/2008	Cesium-137	3.80	10.62	0.01	0.06	U		
4101-0119A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0119A-HO	9/24/2008	Lead-210	7.40	19.80	0.56	0.76	U		
4101-0119A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	7.83	U		
4101-0119A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	2.06	U		
4101-0119A-HO	9/24/2008	Radium-226	2.90	4.70	0.91	0.07			
4101-0119A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	7.65	U		
4101-0119A-HO	9/24/2008	Thorium-232	2.10	3.50	0.63	0.20			
4101-0119A-HO	9/24/2008	Uranium-238	2.20	4.20	0.71	0.47			
4101-0120A-HO	9/24/2008	Actinium-227	4.60	13.61	0.02	0.31	U		
4101-0120A-HO	9/24/2008	Americium-241	63.00	189.00	0.06	0.07	U		
4101-0120A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4101-0120A-HO	9/24/2008	Cesium-137	3.80	10.62	0.04	0.04	U		
4101-0120A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4101-0120A-HO	9/24/2008	Lead-210	7.40	19.80	0.39	0.72	U		
4101-0120A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	7.58	U		
4101-0120A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.27	1.64	U		
4101-0120A-HO	9/24/2008	Radium-226	2.90	4.70	0.64	0.11			
4101-0120A-HO	9/24/2008	Thorium-230	2.80	4.60	4.26	6.71	U		
4101-0120A-HO	9/24/2008	Thorium-232	2.10	3.50	0.26	0.22			
4101-0120A-HO	9/24/2008	Uranium-238	2.20	4.20	0.63	0.43			
4101-0121A-HO	9/24/2008	Actinium-227	4.60	13.61	0.11	0.25	U		
4101-0121A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0121A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4101-0121A-HO	9/24/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4101-0121A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.01	0.05	U		
4101-0121A-HO	9/24/2008	Lead-210	7.40	19.80	0.83	0.58			
4101-0121A-HO	9/24/2008	Plutonium-238	55.00	165.13	1.18	5.91	U		
4101-0121A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	1.69	U		
4101-0121A-HO	9/24/2008	Radium-226	2.90	4.70	0.59	0.12			
4101-0121A-HO	9/24/2008	Thorium-230	2.80	4.60	2.16	5.91	U		
4101-0121A-HO	9/24/2008	Thorium-232	2.10	3.50	0.45	0.14			
4101-0121A-HO	9/24/2008	Uranium-238	2.20	4.20	0.79	0.38			
4101-0122A-HO	9/24/2008	Actinium-227	4.60	13.61	0.28	0.29	U		
4101-0122A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0122A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0122A-HO	9/24/2008	Cesium-137	3.80	10.62	0.01	0.07	U		
4101-0122A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.09	U		
4101-0122A-HO	9/24/2008	Lead-210	7.40	19.80	1.21	0.63			
4101-0122A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	7.77	U		
4101-0122A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.56	1.81	U		
4101-0122A-HO	9/24/2008	Radium-226	2.90	4.70	0.66	0.14			
4101-0122A-HO	9/24/2008	Thorium-230	2.80	4.60	1.33	7.31	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0122A-HO	9/24/2008	Thorium-232	2.10	3.50	0.72	0.14			
4101-0122A-HO	9/24/2008	Uranium-238	2.20	4.20	0.60	0.49			
4101-0123A-HO	9/24/2008	Actinium-227	4.60	13.61	0.00	0.38	U		
4101-0123A-HO	9/24/2008	Americium-241	63.00	189.00	0.05	0.08	U		
4101-0123A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0123A-HO	9/24/2008	Cesium-137	3.80	10.62	0.01	0.05	U		
4101-0123A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4101-0123A-HO	9/24/2008	Lead-210	7.40	19.80	0.41	0.80	U		
4101-0123A-HO	9/24/2008	Plutonium-238	55.00	165.13	6.84	7.94	U		
4101-0123A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.64	1.76	U		
4101-0123A-HO	9/24/2008	Radium-226	2.90	4.70	0.66	0.15			
4101-0123A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	7.84	U		
4101-0123A-HO	9/24/2008	Thorium-232	2.10	3.50	0.45	0.29			
4101-0123A-HO	9/24/2008	Uranium-238	2.20	4.20	1.16	0.46			
4101-0124A-HO	9/24/2008	Actinium-227	4.60	13.61	0.18	0.34	U		
4101-0124A-HO	9/24/2008	Americium-241	63.00	189.00	0.05	0.09	U		
4101-0124A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0124A-HO	9/24/2008	Cesium-137	3.80	10.62	0.00	0.07	U		
4101-0124A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.11	U		
4101-0124A-HO	9/24/2008	Lead-210	7.40	19.80	0.97	0.77			
4101-0124A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	7.99	U		
4101-0124A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	2.07	U		
4101-0124A-HO	9/24/2008	Radium-226	2.90	4.70	0.69	0.17			
4101-0124A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	8.00	U		
4101-0124A-HO	9/24/2008	Thorium-232	2.10	3.50	0.77	0.24			
4101-0124A-HO	9/24/2008	Uranium-238	2.20	4.20	1.12	0.47			
4101-0125A-HO	9/24/2008	Actinium-227	4.60	13.61	0.00	0.31	U		
4101-0125A-HO	9/24/2008	Americium-241	63.00	189.00	0.05	0.07	U		
4101-0125A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0125A-HO	9/24/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0125A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.05	0.06	U		
4101-0125A-HO	9/24/2008	Lead-210	7.40	19.80	0.20	0.69	U		
4101-0125A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.50	6.68	U		
4101-0125A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	1.91	U		
4101-0125A-HO	9/24/2008	Radium-226	2.90	4.70	0.77	0.10			
4101-0125A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	6.50	U		
4101-0125A-HO	9/24/2008	Thorium-232	2.10	3.50	0.38	0.15			
4101-0125A-HO	9/24/2008	Uranium-238	2.20	4.20	0.74	0.38			
4101-0126B-HO	10/10/2008	Actinium-227	4.60	13.61	0.00	0.26	U		
4101-0126B-HO	10/10/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4101-0126B-HO	10/10/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4101-0126B-HO	10/10/2008	Cesium-137	3.80	10.62	0.02	0.03	U		
4101-0126B-HO	10/10/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4101-0126B-HO	10/10/2008	Lead-210	7.40	19.80	0.53	0.58	U		
4101-0126B-HO	10/10/2008	Plutonium-238	55.00	165.13	0.00	5.53	U		
4101-0126B-HO	10/10/2008	Protactinium-231	4.00	11.81	0.00	1.45	U		
4101-0126B-HO	10/10/2008	Radium-226	2.90	4.70	0.66	0.10			
4101-0126B-HO	10/10/2008	Thorium-230	2.80	4.60	4.60	5.20	U		
4101-0126B-HO	10/10/2008	Thorium-232	2.10	3.50	0.33	0.15			
4101-0126B-HO	10/10/2008	Uranium-238	2.20	4.20	0.61	0.35			
4101-0127A-HO	9/24/2008	Actinium-227	4.60	13.61	0.14	0.39	U		
4101-0127A-HO	9/24/2008	Americium-241	63.00	189.00	0.31	0.09			
4101-0127A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0127A-HO	9/24/2008	Cesium-137	3.80	10.62	0.18	0.06			
4101-0127A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.02	0.05	U		
4101-0127A-HO	9/24/2008	Lead-210	7.40	19.80	0.57	0.82	U		
4101-0127A-HO	9/24/2008	Plutonium-238	55.00	165.13	25.49	9.19			
4101-0127A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	2.08	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0127A-HO	9/24/2008	Radium-226	2.90	4.70	0.91	0.12			
4101-0127A-HO	9/24/2008	Thorium-230	2.80	4.60	0.66	7.96	U		
4101-0127A-HO	9/24/2008	Thorium-232	2.10	3.50	0.46	0.25			
4101-0127A-HO	9/24/2008	Uranium-238	2.20	4.20	0.85	0.50			
4101-0128A-HO	9/24/2008	Actinium-227	4.60	13.61	0.00	0.28	U		
4101-0128A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4101-0128A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0128A-HO	9/24/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4101-0128A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0128A-HO	9/24/2008	Lead-210	7.40	19.80	0.54	0.58	U		
4101-0128A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	6.24	U		
4101-0128A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.84	1.38	U		
4101-0128A-HO	9/24/2008	Radium-226	2.90	4.70	0.66	0.11			
4101-0128A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	6.24	U		
4101-0128A-HO	9/24/2008	Thorium-232	2.10	3.50	0.28	0.17			
4101-0128A-HO	9/24/2008	Uranium-238	2.20	4.20	0.33	0.38	U		
4101-0129A-HO	9/24/2008	Actinium-227	4.60	13.61	0.00	0.32	U		
4101-0129A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0129A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0129A-HO	9/24/2008	Cesium-137	3.80	10.62	0.03	0.04	U		
4101-0129A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.02	0.04	U		
4101-0129A-HO	9/24/2008	Lead-210	7.40	19.80	0.98	0.65			
4101-0129A-HO	9/24/2008	Plutonium-238	55.00	165.13	3.87	7.25	U		
4101-0129A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.10	1.59	U		
4101-0129A-HO	9/24/2008	Radium-226	2.90	4.70	0.58	0.14			
4101-0129A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	6.41	U		
4101-0129A-HO	9/24/2008	Thorium-232	2.10	3.50	0.50	0.19			
4101-0129A-HO	9/24/2008	Uranium-238	2.20	4.20	0.68	0.40			
4101-0130A-HO	9/24/2008	Actinium-227	4.60	13.61	0.01	0.22	U		
4101-0130A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.05	U		
4101-0130A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4101-0130A-HO	9/24/2008	Cesium-137	3.80	10.62	0.01	0.03	U		
4101-0130A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4101-0130A-HO	9/24/2008	Lead-210	7.40	19.80	0.32	0.56	U		
4101-0130A-HO	9/24/2008	Plutonium-238	55.00	165.13	1.70	5.60	U		
4101-0130A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.75	1.15	U		
4101-0130A-HO	9/24/2008	Radium-226	2.90	4.70	0.51	0.10			
4101-0130A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	5.70	U		
4101-0130A-HO	9/24/2008	Thorium-232	2.10	3.50	0.25	0.12			
4101-0130A-HO	9/24/2008	Uranium-238	2.20	4.20	0.65	0.32			
4101-0131A-HO	9/24/2008	Actinium-227	4.60	13.61	0.19	0.37	U		
4101-0131A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.09	U		
4101-0131A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0131A-HO	9/24/2008	Cesium-137	3.80	10.62	0.04	0.04	U		
4101-0131A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.03	0.08	U		
4101-0131A-HO	9/24/2008	Lead-210	7.40	19.80	1.14	0.82			
4101-0131A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	8.95	U		
4101-0131A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	2.02	U		
4101-0131A-HO	9/24/2008	Radium-226	2.90	4.70	0.69	0.18			
4101-0131A-HO	9/24/2008	Thorium-230	2.80	4.60	3.45	7.87	U		
4101-0131A-HO	9/24/2008	Thorium-232	2.10	3.50	0.74	0.22			
4101-0131A-HO	9/24/2008	Uranium-238	2.20	4.20	0.54	0.53			
4101-0132B-HO	11/21/2008	Actinium-227	4.60	13.61	0.00	0.10	U		
4101-0132B-HO	11/21/2008	Americium-241	63.00	189.00	0.01	0.02	U		
4101-0132B-HO	11/21/2008	Bismuth-210M	8.30	24.90	0.00	0.02	U		
4101-0132B-HO	11/21/2008	Cesium-137	3.80	10.62	0.00	0.02	U		
4101-0132B-HO	11/21/2008	Cobalt-60	0.70	2.10	0.00	0.02	U		
4101-0132B-HO	11/21/2008	Lead-210	7.40	19.80	0.43	0.25			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0132B-HO	11/21/2008	Plutonium-238	55.00	165.13	0.00	2.30	U		
4101-0132B-HO	11/21/2008	Protactinium-231	4.00	11.81	0.00	0.57	U		
4101-0132B-HO	11/21/2008	Radium-226	2.90	4.70	0.60	0.04			
4101-0132B-HO	11/21/2008	Thorium-230	2.80	4.60	0.00	2.28	U		
4101-0132B-HO	11/21/2008	Thorium-232	2.10	3.50	0.33	0.06			
4101-0132B-HO	11/21/2008	Uranium-238	2.20	4.20	0.59	0.19			
4101-0133A-HO	9/24/2008	Actinium-227	4.60	13.61	0.23	0.29	U		
4101-0133A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0133A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0133A-HO	9/24/2008	Cesium-137	3.80	10.62	0.03	0.04	U		
4101-0133A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4101-0133A-HO	9/24/2008	Lead-210	7.40	19.80	0.54	0.71	U		
4101-0133A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	7.04	U		
4101-0133A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.89	1.37	U		
4101-0133A-HO	9/24/2008	Radium-226	2.90	4.70	0.65	0.12			
4101-0133A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	6.91	U		
4101-0133A-HO	9/24/2008	Thorium-232	2.10	3.50	0.55	0.18			
4101-0133A-HO	9/24/2008	Uranium-238	2.20	4.20	0.65	0.42			
4101-0134A-HO	9/24/2008	Actinium-227	4.60	13.61	0.12	0.36	U		
4101-0134A-HO	9/24/2008	Americium-241	63.00	189.00	0.01	0.09	U		
4101-0134A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0134A-HO	9/24/2008	Cesium-137	3.80	10.62	0.00	0.07	U		
4101-0134A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.02	0.07	U		
4101-0134A-HO	9/24/2008	Lead-210	7.40	19.80	0.46	0.83	U		
4101-0134A-HO	9/24/2008	Plutonium-238	55.00	165.13	2.45	8.31	U		
4101-0134A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	1.96	U		
4101-0134A-HO	9/24/2008	Radium-226	2.90	4.70	0.75	0.14			
4101-0134A-HO	9/24/2008	Thorium-230	2.80	4.60	3.94	7.56	U		
4101-0134A-HO	9/24/2008	Thorium-232	2.10	3.50	0.83	0.19			
4101-0134A-HO	9/24/2008	Uranium-238	2.20	4.20	0.64	0.51			
4101-0135A-HO	9/24/2008	Actinium-227	4.60	13.61	0.14	0.31	U		
4101-0135A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0135A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0135A-HO	9/24/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4101-0135A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0135A-HO	9/24/2008	Lead-210	7.40	19.80	0.87	0.70			
4101-0135A-HO	9/24/2008	Plutonium-238	55.00	165.13	2.50	6.95	U		
4101-0135A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	2.04	U		
4101-0135A-HO	9/24/2008	Radium-226	2.90	4.70	0.64	0.14			
4101-0135A-HO	9/24/2008	Thorium-230	2.80	4.60	1.40	6.97	U		
4101-0135A-HO	9/24/2008	Thorium-232	2.10	3.50	0.26	0.25			
4101-0135A-HO	9/24/2008	Uranium-238	2.20	4.20	0.56	0.48			
4101-0136A-HO	9/24/2008	Actinium-227	4.60	13.61	0.00	0.39	U		
4101-0136A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.10	U		
4101-0136A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0136A-HO	9/24/2008	Cesium-137	3.80	10.62	0.00	0.07	U		
4101-0136A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.09	U		
4101-0136A-HO	9/24/2008	Lead-210	7.40	19.80	1.00	0.82			
4101-0136A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	8.63	U		
4101-0136A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	2.21	U		
4101-0136A-HO	9/24/2008	Radium-226	2.90	4.70	0.67	0.17			
4101-0136A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	8.43	U		
4101-0136A-HO	9/24/2008	Thorium-232	2.10	3.50	0.72	0.25			
4101-0136A-HO	9/24/2008	Uranium-238	2.20	4.20	0.79	0.54			
4101-0137A-HO	9/24/2008	Actinium-227	4.60	13.61	0.24	0.29	U		
4101-0137A-HO	9/24/2008	Americium-241	63.00	189.00	0.03	0.08	U		
4101-0137A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0137A-HO	9/24/2008	Cesium-137	3.80	10.62	0.00	0.06	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0137A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0137A-HO	9/24/2008	Lead-210	7.40	19.80	0.71	0.62			
4101-0137A-HO	9/24/2008	Plutonium-238	55.00	165.13	3.71	7.71	U		
4101-0137A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	1.94	U		
4101-0137A-HO	9/24/2008	Radium-226	2.90	4.70	0.70	0.11			
4101-0137A-HO	9/24/2008	Thorium-230	2.80	4.60	0.20	7.05	U		
4101-0137A-HO	9/24/2008	Thorium-232	2.10	3.50	0.33	0.23			
4101-0137A-HO	9/24/2008	Uranium-238	2.20	4.20	0.61	0.46			
4101-0138A-HO	9/24/2008	Actinium-227	4.60	13.61	0.05	0.31	U		
4101-0138A-HO	9/24/2008	Americium-241	63.00	189.00	0.03	0.08	U		
4101-0138A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.04	0.05	U		
4101-0138A-HO	9/24/2008	Cesium-137	3.80	10.62	0.05	0.04			
4101-0138A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0138A-HO	9/24/2008	Lead-210	7.40	19.80	0.53	0.72	U		
4101-0138A-HO	9/24/2008	Plutonium-238	55.00	165.13	12.63	6.59			
4101-0138A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	1.68	U		
4101-0138A-HO	9/24/2008	Radium-226	2.90	4.70	0.58	0.13			
4101-0138A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	7.37	U		
4101-0138A-HO	9/24/2008	Thorium-232	2.10	3.50	0.88	0.13			
4101-0138A-HO	9/24/2008	Uranium-238	2.20	4.20	0.75	0.45			
4101-0139A-HO	9/24/2008	Actinium-227	4.60	13.61	0.01	0.33	U		
4101-0139A-HO	9/24/2008	Americium-241	63.00	189.00	0.07	0.07	U		
4101-0139A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4101-0139A-HO	9/24/2008	Cesium-137	3.80	10.62	0.01	0.06	U		
4101-0139A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.09	U		
4101-0139A-HO	9/24/2008	Lead-210	7.40	19.80	0.75	0.66			
4101-0139A-HO	9/24/2008	Plutonium-238	55.00	165.13	6.75	6.65			
4101-0139A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	1.77	U		
4101-0139A-HO	9/24/2008	Radium-226	2.90	4.70	0.72	0.11			
4101-0139A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	7.01	U		
4101-0139A-HO	9/24/2008	Thorium-232	2.10	3.50	0.71	0.08			
4101-0139A-HO	9/24/2008	Uranium-238	2.20	4.20	0.69	0.44			
4101-0140A-HO	9/24/2008	Actinium-227	4.60	13.61	0.00	0.30	U		
4101-0140A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0140A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0140A-HO	9/24/2008	Cesium-137	3.80	10.62	0.02	0.05	U		
4101-0140A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.04	0.04	U		
4101-0140A-HO	9/24/2008	Lead-210	7.40	19.80	0.69	0.60			
4101-0140A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	7.06	U		
4101-0140A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.32	1.62	U		
4101-0140A-HO	9/24/2008	Radium-226	2.90	4.70	0.67	0.13			
4101-0140A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	6.74	U		
4101-0140A-HO	9/24/2008	Thorium-232	2.10	3.50	0.43	0.13			
4101-0140A-HO	9/24/2008	Uranium-238	2.20	4.20	0.74	0.38			
4101-0141B-HO	10/13/2008	Actinium-227	4.60	13.61	0.00	0.27	U		
4101-0141B-HO	10/13/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0141B-HO	10/13/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4101-0141B-HO	10/13/2008	Cesium-137	3.80	10.62	0.03	0.04	U		
4101-0141B-HO	10/13/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0141B-HO	10/13/2008	Lead-210	7.40	19.80	0.56	0.68	U		
4101-0141B-HO	10/13/2008	Plutonium-238	55.00	165.13	0.31	6.19	U		
4101-0141B-HO	10/13/2008	Protactinium-231	4.00	11.81	0.68	1.48	U		
4101-0141B-HO	10/13/2008	Radium-226	2.90	4.70	0.56	0.13			
4101-0141B-HO	10/13/2008	Thorium-230	2.80	4.60	0.00	6.86	U		
4101-0141B-HO	10/13/2008	Thorium-232	2.10	3.50	0.40	0.19			
4101-0141B-HO	10/13/2008	Uranium-238	2.20	4.20	0.51	0.41			
4101-0142B-HO	11/21/2008	Actinium-227	4.60	13.61	0.03	0.08	U		
4101-0142B-HO	11/21/2008	Americium-241	63.00	189.00	0.00	0.02	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0142B-HO	11/21/2008	Bismuth-210M	8.30	24.90	0.00	0.01	U		
4101-0142B-HO	11/21/2008	Cesium-137	3.80	10.62	0.00	0.01	U		
4101-0142B-HO	11/21/2008	Cobalt-60	0.70	2.10	0.00	0.02	U		
4101-0142B-HO	11/21/2008	Lead-210	7.40	19.80	0.22	0.18			
4101-0142B-HO	11/21/2008	Plutonium-238	55.00	165.13	0.78	1.75	U		
4101-0142B-HO	11/21/2008	Protactinium-231	4.00	11.81	0.12	0.43	U		
4101-0142B-HO	11/21/2008	Radium-226	2.90	4.70	0.40	0.04			
4101-0142B-HO	11/21/2008	Thorium-230	2.80	4.60	0.26	1.75	U		
4101-0142B-HO	11/21/2008	Thorium-232	2.10	3.50	0.27	0.05			
4101-0142B-HO	11/21/2008	Uranium-238	2.20	4.20	0.39	0.14			
4101-0143B-HO	6/1/2009	Actinium-227	4.60	13.61	0.00	0.36	U		
4101-0143B-HO	6/1/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0143B-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0143B-HO	6/1/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4101-0143B-HO	6/1/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4101-0143B-HO	6/1/2009	Lead-210	7.40	19.80	0.81	0.75			
4101-0143B-HO	6/1/2009	Plutonium-238	55.00	165.13	2.65	7.89	U		
4101-0143B-HO	6/1/2009	Protactinium-231	4.00	11.81	0.00	2.02	U		
4101-0143B-HO	6/1/2009	Radium-226	2.90	4.70	0.70	0.17			
4101-0143B-HO	6/1/2009	Thorium-230	2.80	4.60	2.36	7.28	U		
4101-0143B-HO	6/1/2009	Thorium-232	2.10	3.50	0.30	0.29			
4101-0143B-HO	6/1/2009	Uranium-238	2.20	4.20	0.36	0.51	U		
4101-0144B-HO	6/1/2009	Actinium-227	4.60	13.61	0.16	0.32	U		
4101-0144B-HO	6/1/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4101-0144B-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4101-0144B-HO	6/1/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4101-0144B-HO	6/1/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0144B-HO	6/1/2009	Lead-210	7.40	19.80	0.81	0.74			
4101-0144B-HO	6/1/2009	Plutonium-238	55.00	165.13	4.97	6.70	U		
4101-0144B-HO	6/1/2009	Protactinium-231	4.00	11.81	0.12	1.81	U		
4101-0144B-HO	6/1/2009	Radium-226	2.90	4.70	0.78	0.14			
4101-0144B-HO	6/1/2009	Thorium-230	2.80	4.60	0.00	7.87	U		
4101-0144B-HO	6/1/2009	Thorium-232	2.10	3.50	0.65	0.24			
4101-0144B-HO	6/1/2009	Uranium-238	2.20	4.20	0.54	0.49			
4101-0145C-HO	6/1/2009	Actinium-227	4.60	13.61	0.00	0.47	U		
4101-0145C-HO	6/1/2009	Americium-241	63.00	189.00	0.05	0.11	U		
4101-0145C-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.00	0.09	U		
4101-0145C-HO	6/1/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4101-0145C-HO	6/1/2009	Cobalt-60	0.70	2.10	0.00	0.11	U		
4101-0145C-HO	6/1/2009	Lead-210	7.40	19.80	0.77	1.05	U		
4101-0145C-HO	6/1/2009	Plutonium-238	55.00	165.13	3.67	10.54	U		
4101-0145C-HO	6/1/2009	Protactinium-231	4.00	11.81	0.00	2.70	U		
4101-0145C-HO	6/1/2009	Radium-226	2.90	4.70	0.95	0.19			
4101-0145C-HO	6/1/2009	Thorium-230	2.80	4.60	0.00	9.65	U		
4101-0145C-HO	6/1/2009	Thorium-232	2.10	3.50	1.00	0.33			
4101-0145C-HO	6/1/2009	Uranium-238	2.20	4.20	1.08	0.65			
4101-0146C-HO	6/1/2009	Actinium-227	4.60	13.61	0.14	0.33	U		
4101-0146C-HO	6/1/2009	Americium-241	63.00	189.00	0.03	0.08	U		
4101-0146C-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0146C-HO	6/1/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4101-0146C-HO	6/1/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4101-0146C-HO	6/1/2009	Lead-210	7.40	19.80	0.44	0.82	U		
4101-0146C-HO	6/1/2009	Plutonium-238	55.00	165.13	0.00	8.33	U		
4101-0146C-HO	6/1/2009	Protactinium-231	4.00	11.81	0.00	1.90	U		
4101-0146C-HO	6/1/2009	Radium-226	2.90	4.70	0.69	0.13			
4101-0146C-HO	6/1/2009	Thorium-230	2.80	4.60	0.74	7.52	U		
4101-0146C-HO	6/1/2009	Thorium-232	2.10	3.50	0.58	0.18			
4101-0146C-HO	6/1/2009	Uranium-238	2.20	4.20	0.77	0.45			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0147B-HO	6/1/2009	Actinium-227	4.60	13.61	0.00	0.41	U		
4101-0147B-HO	6/1/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4101-0147B-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0147B-HO	6/1/2009	Cesium-137	3.80	10.62	0.04	0.05	U		
4101-0147B-HO	6/1/2009	Cobalt-60	0.70	2.10	0.00	0.11	U		
4101-0147B-HO	6/1/2009	Lead-210	7.40	19.80	0.26	0.96	U		
4101-0147B-HO	6/1/2009	Plutonium-238	55.00	165.13	0.00	9.91	U		
4101-0147B-HO	6/1/2009	Protactinium-231	4.00	11.81	1.45	2.09	U		
4101-0147B-HO	6/1/2009	Radium-226	2.90	4.70	0.70	0.17			
4101-0147B-HO	6/1/2009	Thorium-230	2.80	4.60	1.69	8.18	U		
4101-0147B-HO	6/1/2009	Thorium-232	2.10	3.50	0.89	0.24			
4101-0147B-HO	6/1/2009	Uranium-238	2.20	4.20	1.06	0.54			
4101-0148C-HO	6/1/2009	Actinium-227	4.60	13.61	0.18	0.36	U		
4101-0148C-HO	6/1/2009	Americium-241	63.00	189.00	0.08	0.09	U		
4101-0148C-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0148C-HO	6/1/2009	Cesium-137	3.80	10.62	0.05	0.06	U		
4101-0148C-HO	6/1/2009	Cobalt-60	0.70	2.10	0.02	0.07	U		
4101-0148C-HO	6/1/2009	Lead-210	7.40	19.80	0.60	0.83	U		
4101-0148C-HO	6/1/2009	Plutonium-238	55.00	165.13	14.64	9.25			
4101-0148C-HO	6/1/2009	Protactinium-231	4.00	11.81	0.00	2.09	U		
4101-0148C-HO	6/1/2009	Radium-226	2.90	4.70	0.80	0.16			
4101-0148C-HO	6/1/2009	Thorium-230	2.80	4.60	0.00	8.83	U		
4101-0148C-HO	6/1/2009	Thorium-232	2.10	3.50	0.66	0.27			
4101-0148C-HO	6/1/2009	Uranium-238	2.20	4.20	0.93	0.55			
4101-0149C-HO	10/17/2008	Actinium-227	4.60	13.61	0.06	0.31	U		
4101-0149C-HO	10/17/2008	Americium-241	63.00	189.00	0.01	0.08	U		
4101-0149C-HO	10/17/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4101-0149C-HO	10/17/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4101-0149C-HO	10/17/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0149C-HO	10/17/2008	Lead-210	7.40	19.80	0.17	0.73	U		
4101-0149C-HO	10/17/2008	Plutonium-238	55.00	165.13	1.91	6.78	U		
4101-0149C-HO	10/17/2008	Protactinium-231	4.00	11.81	0.04	1.76	U		
4101-0149C-HO	10/17/2008	Radium-226	2.90	4.70	0.54	0.13			
4101-0149C-HO	10/17/2008	Thorium-230	2.80	4.60	0.00	7.33	U		
4101-0149C-HO	10/17/2008	Thorium-232	2.10	3.50	0.61	0.20			
4101-0149C-HO	10/17/2008	Uranium-238	2.20	4.20	0.67	0.44			
4101-0150A-HO	9/24/2008	Actinium-227	4.60	13.61	0.00	0.31	U		
4101-0150A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0150A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.03	0.04	U		
4101-0150A-HO	9/24/2008	Cesium-137	3.80	10.62	0.05	0.05	U		
4101-0150A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0150A-HO	9/24/2008	Lead-210	7.40	19.80	0.61	0.62	U		
4101-0150A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	6.71	U		
4101-0150A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	1.70	U		
4101-0150A-HO	9/24/2008	Radium-226	2.90	4.70	0.70	0.12			
4101-0150A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	6.83	U		
4101-0150A-HO	9/24/2008	Thorium-232	2.10	3.50	0.32	0.22			
4101-0150A-HO	9/24/2008	Uranium-238	2.20	4.20	0.49	0.42			
4101-0151B-HO	11/21/2008	Actinium-227	4.60	13.61	0.00	0.10	U		
4101-0151B-HO	11/21/2008	Americium-241	63.00	189.00	0.01	0.03	U		
4101-0151B-HO	11/21/2008	Bismuth-210M	8.30	24.90	0.00	0.02	U		
4101-0151B-HO	11/21/2008	Cesium-137	3.80	10.62	0.01	0.02	U		
4101-0151B-HO	11/21/2008	Cobalt-60	0.70	2.10	0.00	0.02	U		
4101-0151B-HO	11/21/2008	Lead-210	7.40	19.80	0.51	0.23			
4101-0151B-HO	11/21/2008	Plutonium-238	55.00	165.13	0.95	2.27	U		
4101-0151B-HO	11/21/2008	Protactinium-231	4.00	11.81	0.00	0.58	U		
4101-0151B-HO	11/21/2008	Radium-226	2.90	4.70	0.53	0.04			
4101-0151B-HO	11/21/2008	Thorium-230	2.80	4.60	0.00	2.30	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0151B-HO	11/21/2008	Thorium-232	2.10	3.50	0.45	0.06			
4101-0151B-HO	11/21/2008	Uranium-238	2.20	4.20	0.58	0.17			
4101-0152A-HO	9/24/2008	Actinium-227	4.60	13.61	0.26	0.30	U		
4101-0152A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0152A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0152A-HO	9/24/2008	Cesium-137	3.80	10.62	0.04	0.04	U		
4101-0152A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4101-0152A-HO	9/24/2008	Lead-210	7.40	19.80	0.83	0.69			
4101-0152A-HO	9/24/2008	Plutonium-238	55.00	165.13	0.00	7.41	U		
4101-0152A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	1.81	U		
4101-0152A-HO	9/24/2008	Radium-226	2.90	4.70	0.74	0.16			
4101-0152A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	7.36	U		
4101-0152A-HO	9/24/2008	Thorium-232	2.10	3.50	0.60	0.13			
4101-0152A-HO	9/24/2008	Uranium-238	2.20	4.20	0.71	0.44			
4101-0154B-HO	6/1/2009	Actinium-227	4.60	13.61	0.04	0.45	U		
4101-0154B-HO	6/1/2009	Americium-241	63.00	189.00	0.00	0.11	U		
4101-0154B-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0154B-HO	6/1/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4101-0154B-HO	6/1/2009	Cobalt-60	0.70	2.10	0.01	0.09	U		
4101-0154B-HO	6/1/2009	Lead-210	7.40	19.80	0.88	1.05	U		
4101-0154B-HO	6/1/2009	Plutonium-238	55.00	165.13	2.21	10.01	U		
4101-0154B-HO	6/1/2009	Protactinium-231	4.00	11.81	0.00	2.29	U		
4101-0154B-HO	6/1/2009	Radium-226	2.90	4.70	0.89	0.16			
4101-0154B-HO	6/1/2009	Thorium-230	2.80	4.60	0.77	9.47	U		
4101-0154B-HO	6/1/2009	Thorium-232	2.10	3.50	0.93	0.22			
4101-0154B-HO	6/1/2009	Uranium-238	2.20	4.20	1.20	0.61			
4101-0155C-HO	6/1/2009	Actinium-227	4.60	13.61	0.05	0.39	U		
4101-0155C-HO	6/1/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4101-0155C-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.01	0.07	U		
4101-0155C-HO	6/1/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0155C-HO	6/1/2009	Cobalt-60	0.70	2.10	0.01	0.08	U		
4101-0155C-HO	6/1/2009	Lead-210	7.40	19.80	0.51	0.91	U		
4101-0155C-HO	6/1/2009	Plutonium-238	55.00	165.13	3.84	8.60	U		
4101-0155C-HO	6/1/2009	Protactinium-231	4.00	11.81	0.49	2.11	U		
4101-0155C-HO	6/1/2009	Radium-226	2.90	4.70	0.83	0.16			
4101-0155C-HO	6/1/2009	Thorium-230	2.80	4.60	2.77	8.50	U		
4101-0155C-HO	6/1/2009	Thorium-232	2.10	3.50	0.55	0.28			
4101-0155C-HO	6/1/2009	Uranium-238	2.20	4.20	1.02	0.55			
4101-0156C-HO	6/1/2009	Actinium-227	4.60	13.61	0.00	0.43	U		
4101-0156C-HO	6/1/2009	Americium-241	63.00	189.00	0.06	0.09	U		
4101-0156C-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.01	0.07	U		
4101-0156C-HO	6/1/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4101-0156C-HO	6/1/2009	Cobalt-60	0.70	2.10	0.02	0.09	U		
4101-0156C-HO	6/1/2009	Lead-210	7.40	19.80	1.06	0.88			
4101-0156C-HO	6/1/2009	Plutonium-238	55.00	165.13	2.93	8.78	U		
4101-0156C-HO	6/1/2009	Protactinium-231	4.00	11.81	0.00	2.28	U		
4101-0156C-HO	6/1/2009	Radium-226	2.90	4.70	0.86	0.16			
4101-0156C-HO	6/1/2009	Thorium-230	2.80	4.60	2.81	8.84	U		
4101-0156C-HO	6/1/2009	Thorium-232	2.10	3.50	1.22	0.20			
4101-0156C-HO	6/1/2009	Uranium-238	2.20	4.20	0.95	0.58			
4101-0157C-HO	6/1/2009	Actinium-227	4.60	13.61	0.02	0.37	U		
4101-0157C-HO	6/1/2009	Americium-241	63.00	189.00	0.02	0.09	U		
4101-0157C-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4101-0157C-HO	6/1/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4101-0157C-HO	6/1/2009	Cobalt-60	0.70	2.10	0.04	0.06	U		
4101-0157C-HO	6/1/2009	Lead-210	7.40	19.80	0.46	0.83	U		
4101-0157C-HO	6/1/2009	Plutonium-238	55.00	165.13	7.86	8.35	U		
4101-0157C-HO	6/1/2009	Protactinium-231	4.00	11.81	0.42	1.79	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0157C-HO	6/1/2009	Radium-226	2.90	4.70	0.68	0.14			
4101-0157C-HO	6/1/2009	Thorium-230	2.80	4.60	2.24	7.76	U		
4101-0157C-HO	6/1/2009	Thorium-232	2.10	3.50	0.66	0.20			
4101-0157C-HO	6/1/2009	Uranium-238	2.20	4.20	0.83	0.51			
4101-0158C-HO	6/1/2009	Actinium-227	4.60	13.61	0.00	0.39	U		
4101-0158C-HO	6/1/2009	Americium-241	63.00	189.00	0.03	0.09	U		
4101-0158C-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.03	0.06	U		
4101-0158C-HO	6/1/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4101-0158C-HO	6/1/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4101-0158C-HO	6/1/2009	Lead-210	7.40	19.80	0.31	0.85	U		
4101-0158C-HO	6/1/2009	Plutonium-238	55.00	165.13	0.00	8.88	U		
4101-0158C-HO	6/1/2009	Protactinium-231	4.00	11.81	0.00	2.21	U		
4101-0158C-HO	6/1/2009	Radium-226	2.90	4.70	0.78	0.16			
4101-0158C-HO	6/1/2009	Thorium-230	2.80	4.60	0.00	8.04	U		
4101-0158C-HO	6/1/2009	Thorium-232	2.10	3.50	0.55	0.28			
4101-0158C-HO	6/1/2009	Uranium-238	2.20	4.20	0.86	0.50			
4101-0159C-HO	6/1/2009	Actinium-227	4.60	13.61	0.00	0.39	U		
4101-0159C-HO	6/1/2009	Americium-241	63.00	189.00	0.09	0.07			
4101-0159C-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0159C-HO	6/1/2009	Cesium-137	3.80	10.62	0.07	0.05			
4101-0159C-HO	6/1/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4101-0159C-HO	6/1/2009	Lead-210	7.40	19.80	0.84	0.81			
4101-0159C-HO	6/1/2009	Plutonium-238	55.00	165.13	0.00	8.88	U		
4101-0159C-HO	6/1/2009	Protactinium-231	4.00	11.81	0.83	1.82	U		
4101-0159C-HO	6/1/2009	Radium-226	2.90	4.70	0.70	0.15			
4101-0159C-HO	6/1/2009	Thorium-230	2.80	4.60	0.00	7.75	U		
4101-0159C-HO	6/1/2009	Thorium-232	2.10	3.50	0.84	0.20			
4101-0159C-HO	6/1/2009	Uranium-238	2.20	4.20	0.70	0.54			
4101-0160B-HO	11/21/2008	Actinium-227	4.60	13.61	0.07	0.13	U		
4101-0160B-HO	11/21/2008	Americium-241	63.00	189.00	0.01	0.03	U		
4101-0160B-HO	11/21/2008	Bismuth-210M	8.30	24.90	0.00	0.02	U		
4101-0160B-HO	11/21/2008	Cesium-137	3.80	10.62	0.00	0.02	U		
4101-0160B-HO	11/21/2008	Cobalt-60	0.70	2.10	0.00	0.03	U		
4101-0160B-HO	11/21/2008	Lead-210	7.40	19.80	0.40	0.29			
4101-0160B-HO	11/21/2008	Plutonium-238	55.00	165.13	1.60	2.88	U		
4101-0160B-HO	11/21/2008	Protactinium-231	4.00	11.81	0.00	0.70	U		
4101-0160B-HO	11/21/2008	Radium-226	2.90	4.70	0.74	0.05			
4101-0160B-HO	11/21/2008	Thorium-230	2.80	4.60	0.77	2.94	U		
4101-0160B-HO	11/21/2008	Thorium-232	2.10	3.50	0.68	0.09			
4101-0160B-HO	11/21/2008	Uranium-238	2.20	4.20	0.68	0.19			
4101-0161A-HO	9/25/2008	Actinium-227	4.60	13.61	0.00	0.31	U		
4101-0161A-HO	9/25/2008	Americium-241	63.00	189.00	0.03	0.07	U		
4101-0161A-HO	9/25/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0161A-HO	9/25/2008	Cesium-137	3.80	10.62	0.04	0.04	U		
4101-0161A-HO	9/25/2008	Cobalt-60	0.70	2.10	0.03	0.06	U		
4101-0161A-HO	9/25/2008	Lead-210	7.40	19.80	1.25	0.61			
4101-0161A-HO	9/25/2008	Plutonium-238	55.00	165.13	0.41	7.27	U		
4101-0161A-HO	9/25/2008	Protactinium-231	4.00	11.81	0.05	1.75	U		
4101-0161A-HO	9/25/2008	Radium-226	2.90	4.70	0.71	0.13			
4101-0161A-HO	9/25/2008	Thorium-230	2.80	4.60	0.00	7.20	U		
4101-0161A-HO	9/25/2008	Thorium-232	2.10	3.50	0.40	0.12			
4101-0161A-HO	9/25/2008	Uranium-238	2.20	4.20	0.70	0.43			
4101-0162B-HO	10/13/2008	Actinium-227	4.60	13.61	0.09	0.36	U		
4101-0162B-HO	10/13/2008	Americium-241	63.00	189.00	0.08	0.08			
4101-0162B-HO	10/13/2008	Bismuth-210M	8.30	24.90	0.03	0.06	U		
4101-0162B-HO	10/13/2008	Cesium-137	3.80	10.62	0.04	0.06	U		
4101-0162B-HO	10/13/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4101-0162B-HO	10/13/2008	Lead-210	7.40	19.80	0.77	0.88	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0162B-HO	10/13/2008	Plutonium-238	55.00	165.13	0.00	8.99	U		
4101-0162B-HO	10/13/2008	Protactinium-231	4.00	11.81	0.01	2.07	U		
4101-0162B-HO	10/13/2008	Radium-226	2.90	4.70	1.35	0.13			
4101-0162B-HO	10/13/2008	Thorium-230	2.80	4.60	0.00	8.46	U		
4101-0162B-HO	10/13/2008	Thorium-232	2.10	3.50	0.22	0.31	U		
4101-0162B-HO	10/13/2008	Uranium-238	2.20	4.20	0.80	0.55			
4101-0163A-HO	9/25/2008	Actinium-227	4.60	13.61	0.00	0.25	U		
4101-0163A-HO	9/25/2008	Americium-241	63.00	189.00	0.02	0.06	U		
4101-0163A-HO	9/25/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0163A-HO	9/25/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0163A-HO	9/25/2008	Cobalt-60	0.70	2.10	0.03	0.03	U		
4101-0163A-HO	9/25/2008	Lead-210	7.40	19.80	0.71	0.54			
4101-0163A-HO	9/25/2008	Plutonium-238	55.00	165.13	0.00	5.84	U		
4101-0163A-HO	9/25/2008	Protactinium-231	4.00	11.81	0.00	1.57	U		
4101-0163A-HO	9/25/2008	Radium-226	2.90	4.70	0.55	0.10			
4101-0163A-HO	9/25/2008	Thorium-230	2.80	4.60	0.00	5.55	U		
4101-0163A-HO	9/25/2008	Thorium-232	2.10	3.50	0.36	0.13			
4101-0163A-HO	9/25/2008	Uranium-238	2.20	4.20	0.56	0.36			
4101-0164A-HO	9/25/2008	Actinium-227	4.60	13.61	0.00	0.27	U		
4101-0164A-HO	9/25/2008	Americium-241	63.00	189.00	0.01	0.06	U		
4101-0164A-HO	9/25/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4101-0164A-HO	9/25/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4101-0164A-HO	9/25/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4101-0164A-HO	9/25/2008	Lead-210	7.40	19.80	0.23	0.59	U		
4101-0164A-HO	9/25/2008	Plutonium-238	55.00	165.13	0.12	5.78	U		
4101-0164A-HO	9/25/2008	Protactinium-231	4.00	11.81	0.22	1.33	U		
4101-0164A-HO	9/25/2008	Radium-226	2.90	4.70	0.58	0.09			
4101-0164A-HO	9/25/2008	Thorium-230	2.80	4.60	3.95	5.27	U		
4101-0164A-HO	9/25/2008	Thorium-232	2.10	3.50	0.31	0.16			
4101-0164A-HO	9/25/2008	Uranium-238	2.20	4.20	0.47	0.35			
4101-0165A-HO	9/25/2008	Actinium-227	4.60	13.61	0.03	0.30	U		
4101-0165A-HO	9/25/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0165A-HO	9/25/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0165A-HO	9/25/2008	Cesium-137	3.80	10.62	0.02	0.04	U		
4101-0165A-HO	9/25/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0165A-HO	9/25/2008	Lead-210	7.40	19.80	0.75	0.65			
4101-0165A-HO	9/25/2008	Plutonium-238	55.00	165.13	0.00	7.45	U		
4101-0165A-HO	9/25/2008	Protactinium-231	4.00	11.81	0.36	1.70	U		
4101-0165A-HO	9/25/2008	Radium-226	2.90	4.70	0.59	0.14			
4101-0165A-HO	9/25/2008	Thorium-230	2.80	4.60	2.73	6.45	U		
4101-0165A-HO	9/25/2008	Thorium-232	2.10	3.50	0.40	0.18			
4101-0165A-HO	9/25/2008	Uranium-238	2.20	4.20	0.13	0.45	U		
4101-0166B-HO	6/2/2009	Actinium-227	4.60	13.61	0.08	0.29	U		
4101-0166B-HO	6/2/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0166B-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0166B-HO	6/2/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0166B-HO	6/2/2009	Cobalt-60	0.70	2.10	0.03	0.04	U		
4101-0166B-HO	6/2/2009	Lead-210	7.40	19.80	0.54	0.64	U		
4101-0166B-HO	6/2/2009	Plutonium-238	55.00	165.13	1.27	6.42	U		
4101-0166B-HO	6/2/2009	Protactinium-231	4.00	11.81	0.43	1.53	U		
4101-0166B-HO	6/2/2009	Radium-226	2.90	4.70	0.69	0.13			
4101-0166B-HO	6/2/2009	Thorium-230	2.80	4.60	4.52	6.23	U		
4101-0166B-HO	6/2/2009	Thorium-232	2.10	3.50	0.62	0.21			
4101-0166B-HO	6/2/2009	Uranium-238	2.20	4.20	0.60	0.42			
4101-0167B-HO	6/2/2009	Actinium-227	4.60	13.61	0.00	0.40	U		
4101-0167B-HO	6/2/2009	Americium-241	63.00	189.00	0.06	0.09	U		
4101-0167B-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0167B-HO	6/2/2009	Cesium-137	3.80	10.62	0.01	0.06	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0167B-HO	6/2/2009	Cobalt-60	0.70	2.10	0.03	0.07	U		
4101-0167B-HO	6/2/2009	Lead-210	7.40	19.80	1.05	0.92			
4101-0167B-HO	6/2/2009	Plutonium-238	55.00	165.13	0.00	9.50	U		
4101-0167B-HO	6/2/2009	Protactinium-231	4.00	11.81	0.38	2.05	U		
4101-0167B-HO	6/2/2009	Radium-226	2.90	4.70	0.90	0.15			
4101-0167B-HO	6/2/2009	Thorium-230	2.80	4.60	0.00	9.18	U		
4101-0167B-HO	6/2/2009	Thorium-232	2.10	3.50	0.71	0.24			
4101-0167B-HO	6/2/2009	Uranium-238	2.20	4.20	1.11	0.55			
4101-0168C-HO	6/2/2009	Actinium-227	4.60	13.61	0.00	0.36	U		
4101-0168C-HO	6/2/2009	Americium-241	63.00	189.00	0.04	0.08	U		
4101-0168C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4101-0168C-HO	6/2/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4101-0168C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.03	0.05	U		
4101-0168C-HO	6/2/2009	Lead-210	7.40	19.80	1.04	0.76			
4101-0168C-HO	6/2/2009	Plutonium-238	55.00	165.13	3.12	7.57	U		
4101-0168C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	1.88	U		
4101-0168C-HO	6/2/2009	Radium-226	2.90	4.70	0.75	0.16			
4101-0168C-HO	6/2/2009	Thorium-230	2.80	4.60	0.00	7.74	U		
4101-0168C-HO	6/2/2009	Thorium-232	2.10	3.50	0.58	0.26			
4101-0168C-HO	6/2/2009	Uranium-238	2.20	4.20	0.62	0.50			
4101-0169C-HO	5/28/2009	Actinium-227	4.60	13.61	0.07	0.37	U		
4101-0169C-HO	5/28/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4101-0169C-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0169C-HO	5/28/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4101-0169C-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4101-0169C-HO	5/28/2009	Lead-210	7.40	19.80	0.95	0.80			
4101-0169C-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	8.33	U		
4101-0169C-HO	5/28/2009	Protactinium-231	4.00	11.81	0.59	1.94	U		
4101-0169C-HO	5/28/2009	Radium-226	2.90	4.70	0.71	0.12			
4101-0169C-HO	5/28/2009	Thorium-230	2.80	4.60	0.13	8.18	U		
4101-0169C-HO	5/28/2009	Thorium-232	2.10	3.50	0.70	0.29			
4101-0169C-HO	5/28/2009	Uranium-238	2.20	4.20	0.95	0.53			
4101-0170C-HO	6/2/2009	Actinium-227	4.60	13.61	0.00	0.37	U		
4101-0170C-HO	6/2/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4101-0170C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4101-0170C-HO	6/2/2009	Cesium-137	3.80	10.62	0.04	0.04			
4101-0170C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.02	0.06	U		
4101-0170C-HO	6/2/2009	Lead-210	7.40	19.80	0.39	0.80	U		
4101-0170C-HO	6/2/2009	Plutonium-238	55.00	165.13	8.81	7.87			
4101-0170C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	2.01	U		
4101-0170C-HO	6/2/2009	Radium-226	2.90	4.70	0.67	0.15			
4101-0170C-HO	6/2/2009	Thorium-230	2.80	4.60	4.25	7.08	U		
4101-0170C-HO	6/2/2009	Thorium-232	2.10	3.50	0.60	0.18			
4101-0170C-HO	6/2/2009	Uranium-238	2.20	4.20	0.43	0.53	U		
4101-0171C-HO	6/2/2009	Actinium-227	4.60	13.61	0.00	0.36	U		
4101-0171C-HO	6/2/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0171C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0171C-HO	6/2/2009	Cesium-137	3.80	10.62	0.02	0.06	U		
4101-0171C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.02	0.06	U		
4101-0171C-HO	6/2/2009	Lead-210	7.40	19.80	0.41	0.77	U		
4101-0171C-HO	6/2/2009	Plutonium-238	55.00	165.13	1.53	7.52	U		
4101-0171C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	1.83	U		
4101-0171C-HO	6/2/2009	Radium-226	2.90	4.70	0.64	0.15			
4101-0171C-HO	6/2/2009	Thorium-230	2.80	4.60	0.75	7.40	U		
4101-0171C-HO	6/2/2009	Thorium-232	2.10	3.50	0.62	0.24			
4101-0171C-HO	6/2/2009	Uranium-238	2.20	4.20	0.51	0.50			
4101-0172C-HO	6/2/2009	Actinium-227	4.60	13.61	0.10	0.30	U		
4101-0172C-HO	6/2/2009	Americium-241	63.00	189.00	0.03	0.07	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0172C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0172C-HO	6/2/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4101-0172C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0172C-HO	6/2/2009	Lead-210	7.40	19.80	0.91	0.65			
4101-0172C-HO	6/2/2009	Plutonium-238	55.00	165.13	0.00	6.98	U		
4101-0172C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	1.68	U		
4101-0172C-HO	6/2/2009	Radium-226	2.90	4.70	0.63	0.12			
4101-0172C-HO	6/2/2009	Thorium-230	2.80	4.60	3.42	6.37	U		
4101-0172C-HO	6/2/2009	Thorium-232	2.10	3.50	0.36	0.20			
4101-0172C-HO	6/2/2009	Uranium-238	2.20	4.20	0.67	0.39			
4101-0173B-HO	10/10/2008	Actinium-227	4.60	13.61	0.00	0.29	U		
4101-0173B-HO	10/10/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0173B-HO	10/10/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0173B-HO	10/10/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0173B-HO	10/10/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0173B-HO	10/10/2008	Lead-210	7.40	19.80	0.51	0.62	U		
4101-0173B-HO	10/10/2008	Plutonium-238	55.00	165.13	0.49	6.06	U		
4101-0173B-HO	10/10/2008	Protactinium-231	4.00	11.81	0.46	1.53	U		
4101-0173B-HO	10/10/2008	Radium-226	2.90	4.70	0.59	0.12			
4101-0173B-HO	10/10/2008	Thorium-230	2.80	4.60	1.10	6.66	U		
4101-0173B-HO	10/10/2008	Thorium-232	2.10	3.50	0.61	0.14			
4101-0173B-HO	10/10/2008	Uranium-238	2.20	4.20	0.41	0.43	U		
4101-0174A-HO	9/25/2008	Actinium-227	4.60	13.61	0.00	0.25	U		
4101-0174A-HO	9/25/2008	Americium-241	63.00	189.00	0.01	0.06	U		
4101-0174A-HO	9/25/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4101-0174A-HO	9/25/2008	Cesium-137	3.80	10.62	0.02	0.03	U		
4101-0174A-HO	9/25/2008	Cobalt-60	0.70	2.10	0.01	0.04	U		
4101-0174A-HO	9/25/2008	Lead-210	7.40	19.80	0.17	0.62	U		
4101-0174A-HO	9/25/2008	Plutonium-238	55.00	165.13	0.00	5.73	U		
4101-0174A-HO	9/25/2008	Protactinium-231	4.00	11.81	0.76	1.22	U		
4101-0174A-HO	9/25/2008	Radium-226	2.90	4.70	0.44	0.11			
4101-0174A-HO	9/25/2008	Thorium-230	2.80	4.60	0.00	5.77	U		
4101-0174A-HO	9/25/2008	Thorium-232	2.10	3.50	0.23	0.12			
4101-0174A-HO	9/25/2008	Uranium-238	2.20	4.20	0.44	0.32			
4101-0175A-HO	9/25/2008	Actinium-227	4.60	13.61	0.00	0.24	U		
4101-0175A-HO	9/25/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4101-0175A-HO	9/25/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0175A-HO	9/25/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4101-0175A-HO	9/25/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0175A-HO	9/25/2008	Lead-210	7.40	19.80	0.35	0.56	U		
4101-0175A-HO	9/25/2008	Plutonium-238	55.00	165.13	2.19	5.74	U		
4101-0175A-HO	9/25/2008	Protactinium-231	4.00	11.81	0.00	1.55	U		
4101-0175A-HO	9/25/2008	Radium-226	2.90	4.70	0.62	0.08			
4101-0175A-HO	9/25/2008	Thorium-230	2.80	4.60	0.43	5.43	U		
4101-0175A-HO	9/25/2008	Thorium-232	2.10	3.50	0.20	0.16			
4101-0175A-HO	9/25/2008	Uranium-238	2.20	4.20	0.58	0.35			
4101-0176B-HO	11/21/2008	Actinium-227	4.60	13.61	0.07	0.09	U		
4101-0176B-HO	11/21/2008	Americium-241	63.00	189.00	0.01	0.02	U		
4101-0176B-HO	11/21/2008	Bismuth-210M	8.30	24.90	0.01	0.01	U		
4101-0176B-HO	11/21/2008	Cesium-137	3.80	10.62	0.01	0.01	U		
4101-0176B-HO	11/21/2008	Cobalt-60	0.70	2.10	0.00	0.02	U		
4101-0176B-HO	11/21/2008	Lead-210	7.40	19.80	0.22	0.21			
4101-0176B-HO	11/21/2008	Plutonium-238	55.00	165.13	4.47	2.35			
4101-0176B-HO	11/21/2008	Protactinium-231	4.00	11.81	0.00	0.50	U		
4101-0176B-HO	11/21/2008	Radium-226	2.90	4.70	0.53	0.04			
4101-0176B-HO	11/21/2008	Thorium-230	2.80	4.60	0.00	2.01	U		
4101-0176B-HO	11/21/2008	Thorium-232	2.10	3.50	0.39	0.05			
4101-0176B-HO	11/21/2008	Uranium-238	2.20	4.20	0.31	0.13			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0177C-HO	6/2/2009	Actinium-227	4.60	13.61	0.23	0.35	U		
4101-0177C-HO	6/2/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4101-0177C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4101-0177C-HO	6/2/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4101-0177C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.03	0.06	U		
4101-0177C-HO	6/2/2009	Lead-210	7.40	19.80	0.42	0.83	U		
4101-0177C-HO	6/2/2009	Plutonium-238	55.00	165.13	0.47	8.25	U		
4101-0177C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	2.18	U		
4101-0177C-HO	6/2/2009	Radium-226	2.90	4.70	0.68	0.14			
4101-0177C-HO	6/2/2009	Thorium-230	2.80	4.60	3.13	8.22	U		
4101-0177C-HO	6/2/2009	Thorium-232	2.10	3.50	0.55	0.30			
4101-0177C-HO	6/2/2009	Uranium-238	2.20	4.20	0.83	0.52			
4101-0178C-HO	6/2/2009	Actinium-227	4.60	13.61	0.02	0.39	U		
4101-0178C-HO	6/2/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4101-0178C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0178C-HO	6/2/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0178C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4101-0178C-HO	6/2/2009	Lead-210	7.40	19.80	1.41	0.84			
4101-0178C-HO	6/2/2009	Plutonium-238	55.00	165.13	0.00	8.64	U		
4101-0178C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	2.18	U		
4101-0178C-HO	6/2/2009	Radium-226	2.90	4.70	0.93	0.16			
4101-0178C-HO	6/2/2009	Thorium-230	2.80	4.60	0.00	9.13	U		
4101-0178C-HO	6/2/2009	Thorium-232	2.10	3.50	0.68	0.27			
4101-0178C-HO	6/2/2009	Uranium-238	2.20	4.20	0.96	0.52			
4101-0179C-HO	6/1/2009	Actinium-227	4.60	13.61	0.03	0.27	U		
4101-0179C-HO	6/1/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0179C-HO	6/1/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0179C-HO	6/1/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0179C-HO	6/1/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0179C-HO	6/1/2009	Lead-210	7.40	19.80	0.26	0.61	U		
4101-0179C-HO	6/1/2009	Plutonium-238	55.00	165.13	0.40	5.84	U		
4101-0179C-HO	6/1/2009	Protactinium-231	4.00	11.81	1.02	1.40	U		
4101-0179C-HO	6/1/2009	Radium-226	2.90	4.70	0.63	0.12			
4101-0179C-HO	6/1/2009	Thorium-230	2.80	4.60	1.30	6.23	U		
4101-0179C-HO	6/1/2009	Thorium-232	2.10	3.50	0.33	0.17			
4101-0179C-HO	6/1/2009	Uranium-238	2.20	4.20	0.51	0.39			
4101-0180B-HO	6/2/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4101-0180B-HO	6/2/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0180B-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0180B-HO	6/2/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4101-0180B-HO	6/2/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0180B-HO	6/2/2009	Lead-210	7.40	19.80	0.71	0.64			
4101-0180B-HO	6/2/2009	Plutonium-238	55.00	165.13	0.00	7.45	U		
4101-0180B-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	1.93	U		
4101-0180B-HO	6/2/2009	Radium-226	2.90	4.70	0.51	0.13			
4101-0180B-HO	6/2/2009	Thorium-230	2.80	4.60	0.00	7.41	U		
4101-0180B-HO	6/2/2009	Thorium-232	2.10	3.50	0.61	0.21			
4101-0180B-HO	6/2/2009	Uranium-238	2.20	4.20	0.55	0.46			
4101-0181B-HO	6/2/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4101-0181B-HO	6/2/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4101-0181B-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4101-0181B-HO	6/2/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4101-0181B-HO	6/2/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0181B-HO	6/2/2009	Lead-210	7.40	19.80	0.35	0.76	U		
4101-0181B-HO	6/2/2009	Plutonium-238	55.00	165.13	0.00	8.22	U		
4101-0181B-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	1.96	U		
4101-0181B-HO	6/2/2009	Radium-226	2.90	4.70	0.54	0.14			
4101-0181B-HO	6/2/2009	Thorium-230	2.80	4.60	0.00	7.73	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0181B-HO	6/2/2009	Thorium-232	2.10	3.50	0.46	0.24			
4101-0181B-HO	6/2/2009	Uranium-238	2.20	4.20	0.72	0.45			
4101-0182B-HO	6/2/2009	Actinium-227	4.60	13.61	0.03	0.34	U		
4101-0182B-HO	6/2/2009	Americium-241	63.00	189.00	0.03	0.08	U		
4101-0182B-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0182B-HO	6/2/2009	Cesium-137	3.80	10.62	0.08	0.04			
4101-0182B-HO	6/2/2009	Cobalt-60	0.70	2.10	0.01	0.07	U		
4101-0182B-HO	6/2/2009	Lead-210	7.40	19.80	0.42	0.83	U		
4101-0182B-HO	6/2/2009	Plutonium-238	55.00	165.13	0.14	7.63	U		
4101-0182B-HO	6/2/2009	Protactinium-231	4.00	11.81	1.12	1.70	U		
4101-0182B-HO	6/2/2009	Radium-226	2.90	4.70	0.78	0.12			
4101-0182B-HO	6/2/2009	Thorium-230	2.80	4.60	0.00	8.16	U		
4101-0182B-HO	6/2/2009	Thorium-232	2.10	3.50	0.47	0.23			
4101-0182B-HO	6/2/2009	Uranium-238	2.20	4.20	1.23	0.46			
4101-0183C-HO	6/2/2009	Actinium-227	4.60	13.61	0.16	0.33	U		
4101-0183C-HO	6/2/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0183C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0183C-HO	6/2/2009	Cesium-137	3.80	10.62	0.04	0.06	U		
4101-0183C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.03	0.04	U		
4101-0183C-HO	6/2/2009	Lead-210	7.40	19.80	0.94	0.73			
4101-0183C-HO	6/2/2009	Plutonium-238	55.00	165.13	2.97	7.72	U		
4101-0183C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.32	1.68	U		
4101-0183C-HO	6/2/2009	Radium-226	2.90	4.70	0.78	0.12			
4101-0183C-HO	6/2/2009	Thorium-230	2.80	4.60	2.90	7.36	U		
4101-0183C-HO	6/2/2009	Thorium-232	2.10	3.50	0.48	0.26			
4101-0183C-HO	6/2/2009	Uranium-238	2.20	4.20	0.87	0.49			
4101-0184C-HO	6/2/2009	Actinium-227	4.60	13.61	0.23	0.29	U		
4101-0184C-HO	6/2/2009	Americium-241	63.00	189.00	0.04	0.07	U		
4101-0184C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4101-0184C-HO	6/2/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4101-0184C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.03	0.04	U		
4101-0184C-HO	6/2/2009	Lead-210	7.40	19.80	0.60	0.71	U		
4101-0184C-HO	6/2/2009	Plutonium-238	55.00	165.13	0.31	7.87	U		
4101-0184C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	1.94	U		
4101-0184C-HO	6/2/2009	Radium-226	2.90	4.70	0.77	0.14			
4101-0184C-HO	6/2/2009	Thorium-230	2.80	4.60	0.90	7.10	U		
4101-0184C-HO	6/2/2009	Thorium-232	2.10	3.50	0.40	0.23			
4101-0184C-HO	6/2/2009	Uranium-238	2.20	4.20	0.58	0.48			
4101-0185A-HO	9/25/2008	Actinium-227	4.60	13.61	0.09	0.31	U		
4101-0185A-HO	9/25/2008	Americium-241	63.00	189.00	0.06	0.07	U		
4101-0185A-HO	9/25/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4101-0185A-HO	9/25/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0185A-HO	9/25/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0185A-HO	9/25/2008	Lead-210	7.40	19.80	0.45	0.70	U		
4101-0185A-HO	9/25/2008	Plutonium-238	55.00	165.13	3.55	6.58	U		
4101-0185A-HO	9/25/2008	Protactinium-231	4.00	11.81	0.34	1.60	U		
4101-0185A-HO	9/25/2008	Radium-226	2.90	4.70	0.67	0.12			
4101-0185A-HO	9/25/2008	Thorium-230	2.80	4.60	1.58	6.63	U		
4101-0185A-HO	9/25/2008	Thorium-232	2.10	3.50	0.69	0.18			
4101-0185A-HO	9/25/2008	Uranium-238	2.20	4.20	0.65	0.42			
4101-0186A-HO	9/25/2008	Actinium-227	4.60	13.61	0.00	0.24	U		
4101-0186A-HO	9/25/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4101-0186A-HO	9/25/2008	Bismuth-210M	8.30	24.90	0.03	0.04	U		
4101-0186A-HO	9/25/2008	Cesium-137	3.80	10.62	0.00	0.03	U		
4101-0186A-HO	9/25/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4101-0186A-HO	9/25/2008	Lead-210	7.40	19.80	0.61	0.45			
4101-0186A-HO	9/25/2008	Plutonium-238	55.00	165.13	0.00	5.43	U		
4101-0186A-HO	9/25/2008	Protactinium-231	4.00	11.81	0.48	1.23	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0186A-HO	9/25/2008	Radium-226	2.90	4.70	0.51	0.10			
4101-0186A-HO	9/25/2008	Thorium-230	2.80	4.60	0.00	5.02	U		
4101-0186A-HO	9/25/2008	Thorium-232	2.10	3.50	0.24	0.13			
4101-0186A-HO	9/25/2008	Uranium-238	2.20	4.20	0.45	0.30			
4101-0187D-HO	6/17/2009	Actinium-227	4.60	13.61	0.15	0.31	U		
4101-0187D-HO	6/17/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0187D-HO	6/17/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0187D-HO	6/17/2009	Cesium-137	3.80	10.62	0.02	0.03	U		
4101-0187D-HO	6/17/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0187D-HO	6/17/2009	Lead-210	7.40	19.80	1.00	0.66			
4101-0187D-HO	6/17/2009	Plutonium-238	55.00	165.13	0.00	7.23	U		
4101-0187D-HO	6/17/2009	Protactinium-231	4.00	11.81	0.33	1.66	U		
4101-0187D-HO	6/17/2009	Radium-226	2.90	4.70	0.83	0.11			
4101-0187D-HO	6/17/2009	Thorium-230	2.80	4.60	0.57	7.10	U		
4101-0187D-HO	6/17/2009	Thorium-232	2.10	3.50	0.75	0.14			
4101-0187D-HO	6/17/2009	Uranium-238	2.20	4.20	0.73	0.14			
4101-0188C-HO	6/2/2009	Actinium-227	4.60	13.61	0.18	0.36	U		
4101-0188C-HO	6/2/2009	Americium-241	63.00	189.00	0.02	0.09	U		
4101-0188C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.04	0.06	U		
4101-0188C-HO	6/2/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4101-0188C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4101-0188C-HO	6/2/2009	Lead-210	7.40	19.80	0.77	0.88	U		
4101-0188C-HO	6/2/2009	Plutonium-238	55.00	165.13	0.79	8.66	U		
4101-0188C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	2.09	U		
4101-0188C-HO	6/2/2009	Radium-226	2.90	4.70	1.01	0.17			
4101-0188C-HO	6/2/2009	Thorium-230	2.80	4.60	0.64	8.28	U		
4101-0188C-HO	6/2/2009	Thorium-232	2.10	3.50	0.51	0.29			
4101-0188C-HO	6/2/2009	Uranium-238	2.20	4.20	0.42	0.58	U		
4101-0189C-HO	6/2/2009	Actinium-227	4.60	13.61	0.38	0.38			
4101-0189C-HO	6/2/2009	Americium-241	63.00	189.00	0.04	0.10	U		
4101-0189C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4101-0189C-HO	6/2/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4101-0189C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4101-0189C-HO	6/2/2009	Lead-210	7.40	19.80	1.38	0.91			
4101-0189C-HO	6/2/2009	Plutonium-238	55.00	165.13	4.52	10.63	U		
4101-0189C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.33	2.30	U		
4101-0189C-HO	6/2/2009	Radium-226	2.90	4.70	0.84	0.16			
4101-0189C-HO	6/2/2009	Thorium-230	2.80	4.60	0.00	9.60	U		
4101-0189C-HO	6/2/2009	Thorium-232	2.10	3.50	1.33	0.26			
4101-0189C-HO	6/2/2009	Uranium-238	2.20	4.20	0.57	0.64	U		
4101-0190B-HO	6/2/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4101-0190B-HO	6/2/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4101-0190B-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.05	0.05	U		
4101-0190B-HO	6/2/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4101-0190B-HO	6/2/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0190B-HO	6/2/2009	Lead-210	7.40	19.80	0.08	0.83	U		
4101-0190B-HO	6/2/2009	Plutonium-238	55.00	165.13	1.55	8.00	U		
4101-0190B-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	1.97	U		
4101-0190B-HO	6/2/2009	Radium-226	2.90	4.70	0.72	0.13			
4101-0190B-HO	6/2/2009	Thorium-230	2.80	4.60	0.00	8.12	U		
4101-0190B-HO	6/2/2009	Thorium-232	2.10	3.50	0.81	0.22			
4101-0190B-HO	6/2/2009	Uranium-238	2.20	4.20	0.63	0.51			
4101-0191B-HO	6/2/2009	Actinium-227	4.60	13.61	0.09	0.23	U		
4101-0191B-HO	6/2/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4101-0191B-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0191B-HO	6/2/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4101-0191B-HO	6/2/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0191B-HO	6/2/2009	Lead-210	7.40	19.80	0.38	0.58	U		
4101-0191B-HO	6/2/2009	Plutonium-238	55.00	165.13	2.47	5.75	U		
4101-0191B-HO	6/2/2009	Protactinium-231	4.00	11.81	0.62	1.22	U		
4101-0191B-HO	6/2/2009	Radium-226	2.90	4.70	0.44	0.10			
4101-0191B-HO	6/2/2009	Thorium-230	2.80	4.60	0.00	5.56	U		
4101-0191B-HO	6/2/2009	Thorium-232	2.10	3.50	0.25	0.15			
4101-0191B-HO	6/2/2009	Uranium-238	2.20	4.20	0.45	0.35			
4101-0192C-HO	6/2/2009	Actinium-227	4.60	13.61	0.23	0.35	U		
4101-0192C-HO	6/2/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4101-0192C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.03	0.06	U		
4101-0192C-HO	6/2/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4101-0192C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.05	0.05	U		
4101-0192C-HO	6/2/2009	Lead-210	7.40	19.80	0.70	0.82	U		
4101-0192C-HO	6/2/2009	Plutonium-238	55.00	165.13	1.05	8.05	U		
4101-0192C-HO	6/2/2009	Protactinium-231	4.00	11.81	1.21	1.89	U		
4101-0192C-HO	6/2/2009	Radium-226	2.90	4.70	0.89	0.17			
4101-0192C-HO	6/2/2009	Thorium-230	2.80	4.60	1.97	8.31	U		
4101-0192C-HO	6/2/2009	Thorium-232	2.10	3.50	0.74	0.22			
4101-0192C-HO	6/2/2009	Uranium-238	2.20	4.20	0.92	0.53			
4101-0193C-HO	6/2/2009	Actinium-227	4.60	13.61	0.04	0.32	U		
4101-0193C-HO	6/2/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4101-0193C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.05	0.05	U		
4101-0193C-HO	6/2/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4101-0193C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4101-0193C-HO	6/2/2009	Lead-210	7.40	19.80	0.69	0.06			
4101-0193C-HO	6/2/2009	Plutonium-238	55.00	165.13	2.30	7.19	U		
4101-0193C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.00	1.83	U		
4101-0193C-HO	6/2/2009	Radium-226	2.90	4.70	0.82	0.10			
4101-0193C-HO	6/2/2009	Thorium-230	2.80	4.60	1.12	7.32	U		
4101-0193C-HO	6/2/2009	Thorium-232	2.10	3.50	0.59	0.21			
4101-0193C-HO	6/2/2009	Uranium-238	2.20	4.20	0.51	0.49			
4101-0194C-HO	6/2/2009	Actinium-227	4.60	13.61	0.13	0.35	U		
4101-0194C-HO	6/2/2009	Americium-241	63.00	189.00	0.01	0.08	U		
4101-0194C-HO	6/2/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0194C-HO	6/2/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4101-0194C-HO	6/2/2009	Cobalt-60	0.70	2.10	0.05	0.05	U		
4101-0194C-HO	6/2/2009	Lead-210	7.40	19.80	1.22	0.79			
4101-0194C-HO	6/2/2009	Plutonium-238	55.00	165.13	0.00	7.98	U		
4101-0194C-HO	6/2/2009	Protactinium-231	4.00	11.81	0.59	1.88	U		
4101-0194C-HO	6/2/2009	Radium-226	2.90	4.70	0.65	0.15			
4101-0194C-HO	6/2/2009	Thorium-230	2.80	4.60	0.29	8.08	U		
4101-0194C-HO	6/2/2009	Thorium-232	2.10	3.50	0.60	0.27			
4101-0194C-HO	6/2/2009	Uranium-238	2.20	4.20	1.01	0.51			
4101-0195A-HO	9/25/2008	Actinium-227	4.60	13.61	0.00	0.35	U		
4101-0195A-HO	9/25/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0195A-HO	9/25/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0195A-HO	9/25/2008	Cesium-137	3.80	10.62	0.01	0.05	U		
4101-0195A-HO	9/25/2008	Cobalt-60	0.70	2.10	0.00	0.09	U		
4101-0195A-HO	9/25/2008	Lead-210	7.40	19.80	0.16	0.79	U		
4101-0195A-HO	9/25/2008	Plutonium-238	55.00	165.13	0.00	7.38	U		
4101-0195A-HO	9/25/2008	Protactinium-231	4.00	11.81	0.13	1.77	U		
4101-0195A-HO	9/25/2008	Radium-226	2.90	4.70	0.78	0.12			
4101-0195A-HO	9/25/2008	Thorium-230	2.80	4.60	0.00	7.54	U		
4101-0195A-HO	9/25/2008	Thorium-232	2.10	3.50	0.89	0.20			
4101-0195A-HO	9/25/2008	Uranium-238	2.20	4.20	0.78	0.48			
4101-0196A-HO	9/26/2008	Actinium-227	4.60	13.61	0.00	0.34	U		
4101-0196A-HO	9/26/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0196A-HO	9/26/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0196A-HO	9/26/2008	Cesium-137	3.80	10.62	0.01	0.05	U		
4101-0196A-HO	9/26/2008	Cobalt-60	0.70	2.10	0.01	0.07	U		
4101-0196A-HO	9/26/2008	Lead-210	7.40	19.80	0.34	0.74	U		
4101-0196A-HO	9/26/2008	Plutonium-238	55.00	165.13	0.00	7.45	U		
4101-0196A-HO	9/26/2008	Protactinium-231	4.00	11.81	0.00	2.00	U		
4101-0196A-HO	9/26/2008	Radium-226	2.90	4.70	0.59	0.14			
4101-0196A-HO	9/26/2008	Thorium-230	2.80	4.60	0.00	7.66	U		
4101-0196A-HO	9/26/2008	Thorium-232	2.10	3.50	0.19	0.29	U		
4101-0196A-HO	9/26/2008	Uranium-238	2.20	4.20	0.60	0.44			
4101-0197C-HO	5/28/2009	Actinium-227	4.60	13.61	0.22	0.33	U		
4101-0197C-HO	5/28/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0197C-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0197C-HO	5/28/2009	Cesium-137	3.80	10.62	0.04	0.04	U		
4101-0197C-HO	5/28/2009	Cobalt-60	0.70	2.10	0.02	0.05	U		
4101-0197C-HO	5/28/2009	Lead-210	7.40	19.80	0.35	0.82	U		
4101-0197C-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	7.63	U		
4101-0197C-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.94	U		
4101-0197C-HO	5/28/2009	Radium-226	2.90	4.70	0.81	0.13			
4101-0197C-HO	5/28/2009	Thorium-230	2.80	4.60	3.44	7.52	U		
4101-0197C-HO	5/28/2009	Thorium-232	2.10	3.50	0.73	0.20			
4101-0197C-HO	5/28/2009	Uranium-238	2.20	4.20	0.94	0.49			
4101-0198B-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.31	U		
4101-0198B-HO	5/28/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0198B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4101-0198B-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0198B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.02	0.04	U		
4101-0198B-HO	5/28/2009	Lead-210	7.40	19.80	0.74	0.68			
4101-0198B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	7.52	U		
4101-0198B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.71	1.50	U		
4101-0198B-HO	5/28/2009	Radium-226	2.90	4.70	0.71	0.13			
4101-0198B-HO	5/28/2009	Thorium-230	2.80	4.60	3.36	7.11	U		
4101-0198B-HO	5/28/2009	Thorium-232	2.10	3.50	0.58	0.21			
4101-0198B-HO	5/28/2009	Uranium-238	2.20	4.20	0.64	0.47			
4101-0199B-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.26	U		
4101-0199B-HO	5/28/2009	Americium-241	63.00	189.00	0.06	0.05			
4101-0199B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4101-0199B-HO	5/28/2009	Cesium-137	3.80	10.62	0.02	0.03	U		
4101-0199B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4101-0199B-HO	5/28/2009	Lead-210	7.40	19.80	0.04	0.63	U		
4101-0199B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	6.45	U		
4101-0199B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.40	U		
4101-0199B-HO	5/28/2009	Radium-226	2.90	4.70	0.50	0.13			
4101-0199B-HO	5/28/2009	Thorium-230	2.80	4.60	0.61	5.81	U		
4101-0199B-HO	5/28/2009	Thorium-232	2.10	3.50	0.30	0.20			
4101-0199B-HO	5/28/2009	Uranium-238	2.20	4.20	0.56	0.36			
4101-0200B-HO	5/28/2009	Actinium-227	4.60	13.61	0.10	0.28	U		
4101-0200B-HO	5/28/2009	Americium-241	63.00	189.00	0.03	0.07	U		
4101-0200B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0200B-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0200B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0200B-HO	5/28/2009	Lead-210	7.40	19.80	0.57	0.62	U		
4101-0200B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	6.82	U		
4101-0200B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.34	1.55	U		
4101-0200B-HO	5/28/2009	Radium-226	2.90	4.70	0.43	0.13			
4101-0200B-HO	5/28/2009	Thorium-230	2.80	4.60	2.34	6.36	U		
4101-0200B-HO	5/28/2009	Thorium-232	2.10	3.50	0.63	0.11			
4101-0200B-HO	5/28/2009	Uranium-238	2.20	4.20	0.28	0.42	U		
4101-0201C-HO	5/28/2009	Actinium-227	4.60	13.61	0.02	0.24	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0201C-HO	5/28/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4101-0201C-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4101-0201C-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4101-0201C-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0201C-HO	5/28/2009	Lead-210	7.40	19.80	0.59	0.53			
4101-0201C-HO	5/28/2009	Plutonium-238	55.00	165.13	3.21	5.27	U		
4101-0201C-HO	5/28/2009	Protactinium-231	4.00	11.81	0.07	1.43	U		
4101-0201C-HO	5/28/2009	Radium-226	2.90	4.70	0.57	0.11			
4101-0201C-HO	5/28/2009	Thorium-230	2.80	4.60	1.38	5.58	U		
4101-0201C-HO	5/28/2009	Thorium-232	2.10	3.50	0.29	0.15			
4101-0201C-HO	5/28/2009	Uranium-238	2.20	4.20	0.46	0.37			
4101-0202C-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4101-0202C-HO	5/28/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0202C-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4101-0202C-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4101-0202C-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0202C-HO	5/28/2009	Lead-210	7.40	19.80	0.51	0.70	U		
4101-0202C-HO	5/28/2009	Plutonium-238	55.00	165.13	5.03	7.41	U		
4101-0202C-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.70	U		
4101-0202C-HO	5/28/2009	Radium-226	2.90	4.70	0.64	0.11			
4101-0202C-HO	5/28/2009	Thorium-230	2.80	4.60	0.00	7.03	U		
4101-0202C-HO	5/28/2009	Thorium-232	2.10	3.50	0.53	0.19			
4101-0202C-HO	5/28/2009	Uranium-238	2.20	4.20	0.83	0.42			
4101-0203C-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.27	U		
4101-0203C-HO	5/28/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4101-0203C-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.04	0.04	U		
4101-0203C-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0203C-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4101-0203C-HO	5/28/2009	Lead-210	7.40	19.80	0.91	0.58			
4101-0203C-HO	5/28/2009	Plutonium-238	55.00	165.13	4.14	6.26	U		
4101-0203C-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.56	U		
4101-0203C-HO	5/28/2009	Radium-226	2.90	4.70	0.56	0.12			
4101-0203C-HO	5/28/2009	Thorium-230	2.80	4.60	1.95	5.70	U		
4101-0203C-HO	5/28/2009	Thorium-232	2.10	3.50	0.31	0.18			
4101-0203C-HO	5/28/2009	Uranium-238	2.20	4.20	0.55	0.40			
4101-0204A-HO	9/26/2008	Actinium-227	4.60	13.61	0.23	0.32	U		
4101-0204A-HO	9/26/2008	Americium-241	63.00	189.00	0.06	0.09	U		
4101-0204A-HO	9/26/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0204A-HO	9/26/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4101-0204A-HO	9/26/2008	Cobalt-60	0.70	2.10	0.02	0.04	U		
4101-0204A-HO	9/26/2008	Lead-210	7.40	19.80	0.00	0.82	U		
4101-0204A-HO	9/26/2008	Plutonium-238	55.00	165.13	6.50	8.29	U		
4101-0204A-HO	9/26/2008	Protactinium-231	4.00	11.81	0.00	1.91	U		
4101-0204A-HO	9/26/2008	Radium-226	2.90	4.70	0.60	0.12			
4101-0204A-HO	9/26/2008	Thorium-230	2.80	4.60	0.00	8.33	U		
4101-0204A-HO	39717	Thorium-232	2.10	3.50	0.50	0.30			
4101-0204A-HO	9/26/2008	Uranium-238	2.20	4.20	0.71	0.51			
4101-0205B-HO	10/13/2008	Actinium-227	4.60	13.61	0.00	0.39	U		
4101-0205B-HO	10/13/2008	Americium-241	63.00	189.00	0.00	0.10	U		
4101-0205B-HO	10/13/2008	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4101-0205B-HO	10/13/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4101-0205B-HO	10/13/2008	Cobalt-60	0.70	2.10	0.02	0.08	U		
4101-0205B-HO	10/13/2008	Lead-210	7.40	19.80	1.18	0.77			
4101-0205B-HO	10/13/2008	Plutonium-238	55.00	165.13	3.25	8.06	U		
4101-0205B-HO	10/13/2008	Protactinium-231	4.00	11.81	0.37	2.01	U		
4101-0205B-HO	10/13/2008	Radium-226	2.90	4.70	0.67	0.17			
4101-0205B-HO	10/13/2008	Thorium-230	2.80	4.60	4.01	8.24	U		
4101-0205B-HO	10/13/2008	Thorium-232	2.10	3.50	0.94	0.28			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0205B-HO	10/13/2008	Uranium-238	2.20	4.20	1.15	0.52			
4101-0206B-HO	6/16/2009	Actinium-227	4.60	13.61	0.07	0.31	U		
4101-0206B-HO	6/16/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0206B-HO	6/16/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4101-0206B-HO	6/16/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4101-0206B-HO	6/16/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0206B-HO	6/16/2009	Lead-210	7.40	19.80	0.90	0.72			
4101-0206B-HO	6/16/2009	Plutonium-238	55.00	165.13	3.23	7.10	U		
4101-0206B-HO	6/16/2009	Protactinium-231	4.00	11.81	0.18	1.58	U		
4101-0206B-HO	6/16/2009	Radium-226	2.90	4.70	0.78	0.12			
4101-0206B-HO	6/16/2009	Thorium-230	2.80	4.60	0.01	7.22	U		
4101-0206B-HO	6/16/2009	Thorium-232	2.10	3.50	0.78	0.16			
4101-0206B-HO	6/16/2009	Uranium-238	2.20	4.20	0.74	0.42			
4101-0207B-HO	5/28/2009	Actinium-227	4.60	13.61	0.04	0.25	U		
4101-0207B-HO	5/28/2009	Americium-241	63.00	189.00	0.01	0.06	U		
4101-0207B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0207B-HO	5/28/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4101-0207B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.01	0.03	U		
4101-0207B-HO	5/28/2009	Lead-210	7.40	19.80	0.40	0.57	U		
4101-0207B-HO	5/28/2009	Plutonium-238	55.00	165.13	2.29	5.90	U		
4101-0207B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.51	U		
4101-0207B-HO	5/28/2009	Radium-226	2.90	4.70	0.49	0.11			
4101-0207B-HO	5/28/2009	Thorium-230	2.80	4.60	2.44	5.59	U		
4101-0207B-HO	5/28/2009	Thorium-232	2.10	3.50	0.32	0.17			
4101-0207B-HO	5/28/2009	Uranium-238	2.20	4.20	0.48	0.37			
4101-0208B-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.28	U		
4101-0208B-HO	5/28/2009	Americium-241	63.00	189.00	0.01	0.06	U		
4101-0208B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4101-0208B-HO	5/28/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4101-0208B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0208B-HO	5/28/2009	Lead-210	7.40	19.80	0.47	0.57	U		
4101-0208B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	6.13	U		
4101-0208B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.56	U		
4101-0208B-HO	5/28/2009	Radium-226	2.90	4.70	0.51	0.10			
4101-0208B-HO	5/28/2009	Thorium-230	2.80	4.60	2.62	5.52	U		
4101-0208B-HO	5/28/2009	Thorium-232	2.10	3.50	0.13	0.23	U		
4101-0208B-HO	5/28/2009	Uranium-238	2.20	4.20	0.74	0.34			
4101-0209B-HO	5/28/2009	Actinium-227	4.60	13.61	0.07	0.22	U		
4101-0209B-HO	5/28/2009	Americium-241	63.00	189.00	0.02	0.05	U		
4101-0209B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0209B-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4101-0209B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.04	U		
4101-0209B-HO	5/28/2009	Lead-210	7.40	19.80	0.30	0.55	U		
4101-0209B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	6.29	U		
4101-0209B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.42	U		
4101-0209B-HO	5/28/2009	Radium-226	2.90	4.70	0.38	0.12			
4101-0209B-HO	5/28/2009	Thorium-230	2.80	4.60	0.00	5.76	U		
4101-0209B-HO	5/28/2009	Thorium-232	2.10	3.50	0.12	0.18	U		
4101-0209B-HO	5/28/2009	Uranium-238	2.20	4.20	0.19	0.35	U		
4101-0210C-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.22	U		
4101-0210C-HO	5/28/2009	Americium-241	63.00	189.00	0.03	0.04	U		
4101-0210C-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4101-0210C-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4101-0210C-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0210C-HO	5/28/2009	Lead-210	7.40	19.80	0.52	0.40			
4101-0210C-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	5.69	U		
4101-0210C-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.27	U		
4101-0210C-HO	5/28/2009	Radium-226	2.90	4.70	0.34	0.11			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0210C-HO	5/28/2009	Thorium-230	2.80	4.60	0.00	4.54	U		
4101-0210C-HO	5/28/2009	Thorium-232	2.10	3.50	0.08	0.13	U		
4101-0210C-HO	5/28/2009	Uranium-238	2.20	4.20	0.18	0.29	U		
4101-0211C-HO	5/28/2009	Actinium-227	4.60	13.61	0.05	0.19	U		
4101-0211C-HO	5/28/2009	Americium-241	63.00	189.00	0.03	0.05	U		
4101-0211C-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4101-0211C-HO	5/28/2009	Cesium-137	3.80	10.62	0.02	0.02	U		
4101-0211C-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0211C-HO	5/28/2009	Lead-210	7.40	19.80	0.15	0.50	U		
4101-0211C-HO	5/28/2009	Plutonium-238	55.00	165.13	6.53	4.41			
4101-0211C-HO	5/28/2009	Protactinium-231	4.00	11.81	0.49	1.18	U		
4101-0211C-HO	5/28/2009	Radium-226	2.90	4.70	0.38	0.09			
4101-0211C-HO	5/28/2009	Thorium-230	2.80	4.60	0.00	4.79	U		
4101-0211C-HO	5/28/2009	Thorium-232	2.10	3.50	0.19	0.12			
4101-0211C-HO	5/28/2009	Uranium-238	2.20	4.20	0.36	0.28			
4101-0212B-HO	11/21/2008	Actinium-227	4.60	13.61	0.09	0.28	U		
4101-0212B-HO	11/21/2008	Americium-241	63.00	189.00	0.05	0.06	U		
4101-0212B-HO	11/21/2008	Bismuth-210M	8.30	24.90	0.03	0.05	U		
4101-0212B-HO	11/21/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0212B-HO	11/21/2008	Cobalt-60	0.70	2.10	0.01	0.05	U		
4101-0212B-HO	11/21/2008	Lead-210	7.40	19.80	0.39	0.65	U		
4101-0212B-HO	11/21/2008	Plutonium-238	55.00	165.13	8.78	6.37			
4101-0212B-HO	11/21/2008	Protactinium-231	4.00	11.81	0.00	1.52	U		
4101-0212B-HO	11/21/2008	Radium-226	2.90	4.70	0.46	0.12			
4101-0212B-HO	11/21/2008	Thorium-230	2.80	4.60	4.80	5.89	U		
4101-0212B-HO	11/21/2008	Thorium-232	2.10	3.50	0.48	0.17			
4101-0212B-HO	11/21/2008	Uranium-238	2.20	4.20	0.29	0.42	U		
4101-0213B-HO	6/16/2009	Actinium-227	4.60	13.61	0.1067	0.2881	U		
4101-0213B-HO	6/16/2009	Americium-241	63.00	189.00	0.0091	0.06702	U		
4101-0213B-HO	6/16/2009	Bismuth-210M	8.30	24.90	0.00121	0.05229	U		
4101-0213B-HO	6/16/2009	Cesium-137	3.80	10.62	0	0.05286	U		
4101-0213B-HO	6/16/2009	Cobalt-60	0.70	2.10	0.02229	0.04804	U		
4101-0213B-HO	6/16/2009	Lead-210	7.40	19.80	0.4975	0.6546	U		
4101-0213B-HO	6/16/2009	Plutonium-238	55.00	165.13	3.064	6.903	U		
4101-0213B-HO	6/16/2009	Protactinium-231	4.00	11.81	0.8833	1.327	U		
4101-0213B-HO	6/16/2009	Radium-226	2.90	4.70	0.6183	0.1287			
4101-0213B-HO	6/16/2009	Thorium-230	2.80	4.60	0	6.466	U		
4101-0213B-HO	6/16/2009	Thorium-232	2.10	3.50	0.5116	0.1547			
4101-0213B-HO	6/16/2009	Uranium-238	2.20	4.20	0.5365	0.3923			
4101-0214B-HO	5/28/2009	Actinium-227	4.60	13.61	0.02	0.30	U		
4101-0214B-HO	5/28/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4101-0214B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4101-0214B-HO	5/28/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4101-0214B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0214B-HO	5/28/2009	Lead-210	7.40	19.80	0.91	0.68			
4101-0214B-HO	5/28/2009	Plutonium-238	55.00	165.13	2.19	7.13	U		
4101-0214B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.06	1.71	U		
4101-0214B-HO	5/28/2009	Radium-226	2.90	4.70	0.62	0.13			
4101-0214B-HO	5/28/2009	Thorium-230	2.80	4.60	3.18	6.65	U		
4101-0214B-HO	5/28/2009	Thorium-232	2.10	3.50	0.41	0.17			
4101-0214B-HO	5/28/2009	Uranium-238	2.20	4.20	0.52	0.46			
4101-0215B-HO	5/28/2009	Actinium-227	4.60	13.61	0.07	0.24	U		
4101-0215B-HO	5/28/2009	Americium-241	63.00	189.00	0.01	0.06	U		
4101-0215B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4101-0215B-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4101-0215B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0215B-HO	5/28/2009	Lead-210	7.40	19.80	0.02	0.59	U		
4101-0215B-HO	5/28/2009	Plutonium-238	55.00	165.13	2.56	5.18	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0215B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.38	1.14	U		
4101-0215B-HO	5/28/2009	Radium-226	2.90	4.70	0.51	0.09			
4101-0215B-HO	5/28/2009	Thorium-230	2.80	4.60	3.60	4.86	U		
4101-0215B-HO	5/28/2009	Thorium-232	2.10	3.50	0.39	0.13			
4101-0215B-HO	5/28/2009	Uranium-238	2.20	4.20	0.01	0.39	U		
4101-0216B-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4101-0216B-HO	5/28/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0216B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0216B-HO	5/28/2009	Cesium-137	3.80	10.62	0.05	0.04			
4101-0216B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0216B-HO	5/28/2009	Lead-210	7.40	19.80	0.65	0.62			
4101-0216B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.62	6.74	U		
4101-0216B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.83	1.44	U		
4101-0216B-HO	5/28/2009	Radium-226	2.90	4.70	0.58	0.11			
4101-0216B-HO	5/28/2009	Thorium-230	2.80	4.60	3.31	6.30	U		
4101-0216B-HO	5/28/2009	Thorium-232	2.10	3.50	0.37	0.21			
4101-0216B-HO	5/28/2009	Uranium-238	2.20	4.20	0.62	0.40			
4101-0217B-HO	5/28/2009	Actinium-227	4.60	13.61	0.13	0.22	U		
4101-0217B-HO	5/28/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4101-0217B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4101-0217B-HO	5/28/2009	Cesium-137	3.80	10.62	0.01	0.03	U		
4101-0217B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0217B-HO	5/28/2009	Lead-210	7.40	19.80	0.47	0.53	U		
4101-0217B-HO	5/28/2009	Plutonium-238	55.00	165.13	4.41	5.18	U		
4101-0217B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.59	1.13	U		
4101-0217B-HO	5/28/2009	Radium-226	2.90	4.70	0.46	0.10			
4101-0217B-HO	5/28/2009	Thorium-230	2.80	4.60	0.00	5.15	U		
4101-0217B-HO	5/28/2009	Thorium-232	2.10	3.50	0.30	0.13			
4101-0217B-HO	5/28/2009	Uranium-238	2.20	4.20	0.23	0.37	U		
4101-0218B-HO	5/28/2009	Actinium-227	4.60	13.61	0.13	0.28	U		
4101-0218B-HO	5/28/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0218B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4101-0218B-HO	5/28/2009	Cesium-137	3.80	10.62	0.03	0.04	U		
4101-0218B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0218B-HO	5/28/2009	Lead-210	7.40	19.80	0.33	0.63	U		
4101-0218B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	6.80	U		
4101-0218B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.55	U		
4101-0218B-HO	5/28/2009	Radium-226	2.90	4.70	0.69	0.11			
4101-0218B-HO	5/28/2009	Thorium-230	2.80	4.60	0.22	6.38	U		
4101-0218B-HO	5/28/2009	Thorium-232	2.10	3.50	0.43	0.22			
4101-0218B-HO	5/28/2009	Uranium-238	2.20	4.20	0.83	0.41			
4101-0219B-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.28	U		
4101-0219B-HO	5/28/2009	Americium-241	63.00	189.00	0.02	0.06	U		
4101-0219B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4101-0219B-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0219B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4101-0219B-HO	5/28/2009	Lead-210	7.40	19.80	0.91	0.55			
4101-0219B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	6.50	U		
4101-0219B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.73	U		
4101-0219B-HO	5/28/2009	Radium-226	2.90	4.70	0.49	0.15			
4101-0219B-HO	5/28/2009	Thorium-230	2.80	4.60	1.25	5.86	U		
4101-0219B-HO	5/28/2009	Thorium-232	2.10	3.50	0.45	0.17			
4101-0219B-HO	5/28/2009	Uranium-238	2.20	4.20	0.21	0.41	U		
4101-0220B-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4101-0220B-HO	5/28/2009	Americium-241	63.00	189.00	0.03	0.07	U		
4101-0220B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0220B-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0220B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0220B-HO	5/28/2009	Lead-210	7.40	19.80	0.34	0.63	U		
4101-0220B-HO	5/28/2009	Plutonium-238	55.00	165.13	3.18	6.46	U		
4101-0220B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.50	1.61	U		
4101-0220B-HO	5/28/2009	Radium-226	2.90	4.70	0.72	0.09			
4101-0220B-HO	5/28/2009	Thorium-230	2.80	4.60	0.00	6.77	U		
4101-0220B-HO	5/28/2009	Thorium-232	2.10	3.50	0.61	0.18			
4101-0220B-HO	5/28/2009	Uranium-238	2.20	4.20	0.35	0.46	U		
4101-0221B-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4101-0221B-HO	5/28/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4101-0221B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4101-0221B-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0221B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4101-0221B-HO	5/28/2009	Lead-210	7.40	19.80	0.29	0.69	U		
4101-0221B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.60	7.21	U		
4101-0221B-HO	5/28/2009	Protactinium-231	4.00	11.81	1.13	1.40	U		
4101-0221B-HO	5/28/2009	Radium-226	2.90	4.70	0.55	0.12			
4101-0221B-HO	5/28/2009	Thorium-230	2.80	4.60	0.00	6.64	U		
4101-0221B-HO	5/28/2009	Thorium-232	2.10	3.50	0.35	0.22			
4101-0221B-HO	5/28/2009	Uranium-238	2.20	4.20	0.31	0.43	U		
4101-0222B-HO	5/28/2009	Actinium-227	4.60	13.61	0.00	0.27	U		
4101-0222B-HO	5/28/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4101-0222B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0222B-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4101-0222B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0222B-HO	5/28/2009	Lead-210	7.40	19.80	0.42	0.59	U		
4101-0222B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.74	6.03	U		
4101-0222B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.79	1.25	U		
4101-0222B-HO	5/28/2009	Radium-226	2.90	4.70	0.59	0.10			
4101-0222B-HO	5/28/2009	Thorium-230	2.80	4.60	1.73	5.70	U		
4101-0222B-HO	5/28/2009	Thorium-232	2.10	3.50	0.37	0.19			
4101-0222B-HO	5/28/2009	Uranium-238	2.20	4.20	0.43	0.39			
4101-0223B-HO	5/28/2009	Actinium-227	4.60	13.61	0.01	0.23	U		
4101-0223B-HO	5/28/2009	Americium-241	63.00	189.00	0.01	0.06	U		
4101-0223B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0223B-HO	5/28/2009	Cesium-137	3.80	10.62	0.03	0.04	U		
4101-0223B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4101-0223B-HO	5/28/2009	Lead-210	7.40	19.80	0.42	0.55	U		
4101-0223B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.00	6.22	U		
4101-0223B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.00	1.51	U		
4101-0223B-HO	5/28/2009	Radium-226	2.90	4.70	0.50	0.08			
4101-0223B-HO	5/28/2009	Thorium-230	2.80	4.60	0.90	5.31	U		
4101-0223B-HO	5/28/2009	Thorium-232	2.10	3.50	0.41	0.11			
4101-0223B-HO	5/28/2009	Uranium-238	2.20	4.20	0.53	0.33			
4101-0224B-HO	5/28/2009	Actinium-227	4.60	13.61	0.04	0.23	U		
4101-0224B-HO	5/28/2009	Americium-241	63.00	189.00	0.03	0.05	U		
4101-0224B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4101-0224B-HO	5/28/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4101-0224B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4101-0224B-HO	5/28/2009	Lead-210	7.40	19.80	0.00	0.58	U		
4101-0224B-HO	5/28/2009	Plutonium-238	55.00	165.13	2.94	5.37	U		
4101-0224B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.52	1.27	U		
4101-0224B-HO	5/28/2009	Radium-226	2.90	4.70	0.43	0.08			
4101-0224B-HO	5/28/2009	Thorium-230	2.80	4.60	3.16	4.73	U		
4101-0224B-HO	5/28/2009	Thorium-232	2.10	3.50	0.29	0.10			
4101-0224B-HO	5/28/2009	Uranium-238	2.20	4.20	0.34	0.33			
4101-0225B-HO	5/28/2009	Actinium-227	4.60	13.61	0.01	0.22	U		
4101-0225B-HO	5/28/2009	Americium-241	63.00	189.00	0.02	0.05	U		
4101-0225B-HO	5/28/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4101-0225B-HO	5/28/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4101-0225B-HO	5/28/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4101-0225B-HO	5/28/2009	Lead-210	7.40	19.80	0.42	0.44	U		
4101-0225B-HO	5/28/2009	Plutonium-238	55.00	165.13	0.61	4.95	U		
4101-0225B-HO	5/28/2009	Protactinium-231	4.00	11.81	0.44	1.07	U		
4101-0225B-HO	5/28/2009	Radium-226	2.90	4.70	0.34	0.10			
4101-0225B-HO	5/28/2009	Thorium-230	2.80	4.60	0.00	4.65	U		
4101-0225B-HO	5/28/2009	Thorium-232	2.10	3.50	0.13	0.15	U		
4101-0225B-HO	5/28/2009	Uranium-238	2.20	4.20	0.45	0.28			
4101-0153A-HO	9/24/2008	Actinium-227	4.60	13.61	0.22	0.31	U		
4101-0153A-HO	9/24/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4101-0153A-HO	9/24/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4101-0153A-HO	9/24/2008	Cesium-137	3.80	10.62	0.00	0.07	U		
4101-0153A-HO	9/24/2008	Cobalt-60	0.70	2.10	0.03	0.04	U		
4101-0153A-HO	9/24/2008	Lead-210	7.40	19.80	0.31	0.79	U		
4101-0153A-HO	9/24/2008	Plutonium-238	55.00	165.13	3.66	6.90	U		
4101-0153A-HO	9/24/2008	Protactinium-231	4.00	11.81	0.00	2.12	U		
4101-0153A-HO	9/24/2008	Radium-226	2.90	4.70	0.92	0.13			
4101-0153A-HO	9/24/2008	Thorium-230	2.80	4.60	0.00	7.70	U		
4101-0153A-HO	9/24/2008	Thorium-232	2.10	3.50	0.40	0.26			
4101-0153A-HO	9/24/2008	Uranium-238	2.20	4.20	0.72	0.48			

CO	Cleanup Objective
HS	Hot Spot Criteria
A-HO	Hot Spot Original
"X"-HO	Hot Spot Remediate and Resample (ie. B, C, etc.)
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag	Analysis Type	Greater than CO
4101-0118A-HO	9/24/2008	Thorium 228	2.6	4.8	0.93	0.19	J	Iso Th	
4101-0118A-HO	9/24/2008	Thorium 230	2.8	4.6	1.36	0.09	J	Iso Th	
4101-0118A-HO	9/24/2008	Thorium 232	2.1	3.5	0.63	0.09	J	Iso Th	
4101-0118A-HO	9/24/2008	Uranium 233/234	2	14.5	0.73	0.11	J	Iso U	
4101-0118A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.017	0.13	U	Iso U	
4101-0118A-HO	9/24/2008	Uranium 238	2.2	4.2	0.75	0.11	J	Iso U	
4101-0119A-HO	9/24/2008	Thorium 228	2.6	4.8	0.76	0.19	J	Iso Th	
4101-0119A-HO	9/24/2008	Thorium 230	2.8	4.6	1.01	0.07	J	Iso Th	
4101-0119A-HO	9/24/2008	Thorium 232	2.1	3.5	0.97	0.12	J	Iso Th	
4101-0119A-HO	9/24/2008	Uranium 233/234	2	14.5	0.77	0.14	J	Iso U	
4101-0119A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.037	0.14	U	Iso U	
4101-0119A-HO	9/24/2008	Uranium 238	2.2	4.2	0.7	0.12	J	Iso U	
4101-0120A-HO	9/24/2008	Thorium 228	2.6	4.8	0.73	0.15	J	Iso Th	
4101-0120A-HO	9/24/2008	Thorium 230	2.8	4.6	1.17	0.11	J	Iso Th	
4101-0120A-HO	9/24/2008	Thorium 232	2.1	3.5	0.71	0.1	J	Iso Th	
4101-0120A-HO	9/24/2008	Uranium 233/234	2	14.5	0.75	0.11	J	Iso U	
4101-0120A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.12	0.13	U	Iso U	
4101-0120A-HO	9/24/2008	Uranium 238	2.2	4.2	0.83	0.09	J	Iso U	
4101-0121A-HO	9/24/2008	Actinium 227	4.6	13.61	-0.01	1.1	U	Gamma	
4101-0121A-HO	9/24/2008	Actinium 228	1.93	5.8	0.3	0.24		Gamma	
4101-0121A-HO	9/24/2008	Americium 241	63	189	-0.02	0.18	U	Gamma	
4101-0121A-HO	9/24/2008	Bismuth 214	1.17	3.51	0.61	0.17		Gamma	
4101-0121A-HO	9/24/2008	Bismuth-207	1.2	3.6	0.01	0.055	U	Gamma	
4101-0121A-HO	9/24/2008	Bismuth-210M	8.3	24.9	-0.002	0.092	U	Gamma	
4101-0121A-HO	9/24/2008	Cesium 137	3.8	10.62	-0.009	0.074	U	Gamma	
4101-0121A-HO	9/24/2008	Cobalt 60	0.7	2.1	-0.01	0.089	U	Gamma	
4101-0121A-HO	9/24/2008	Lead 210	7.4	19.8	0.2	2.3	U	Gamma	
4101-0121A-HO	9/24/2008	Lead 212	16.6	49.8	0.45	0.13		Gamma	
4101-0121A-HO	9/24/2008	Lead 214	8.92	26.8	0.47	0.13		Gamma	
4101-0121A-HO	9/24/2008	Plutonium 238	55	165.13	0.74	0.17		Iso Pu	
4101-0121A-HO	9/24/2008	Plutonium 239/40	62	181	0.031	0.11	U	Iso Pu	
4101-0121A-HO	9/24/2008	Protactinium 231	4	11.81	-0.4	1.9	U	Gamma	
4101-0121A-HO	9/24/2008	Radium (226)	2.9	4.7	0.61	0.17		Gamma	
4101-0121A-HO	9/24/2008	Thorium 228	2.6	4.8	0.68	0.14	J	Iso Th	
4101-0121A-HO	9/24/2008	Thorium 229	5.06	15.2	-0.24	1.2	U	Gamma	
4101-0121A-HO	9/24/2008	Thorium 230	2.8	4.6	1.54	0.12	J	Iso Th	
4101-0121A-HO	9/24/2008	Thorium 232	2.1	3.5	0.69	0.12	J	Iso Th	
4101-0121A-HO	9/24/2008	Uranium 233/234	2	14.5	0.71	0.18	J	Iso U	
4101-0121A-HO	9/24/2008	Uranium 235	3.2		0.09	0.4	U	Gamma	
4101-0121A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.14	0.15	U	Iso U	
4101-0121A-HO	9/24/2008	Uranium 238	2.2	4.2	0.77	0.16	J	Iso U	
4101-0122A-HO	9/24/2008	Thorium 228	2.6	4.8	0.64	0.18	J	Iso Th	
4101-0122A-HO	9/24/2008	Thorium 230	2.8	4.6	1.26	0.11	J	Iso Th	
4101-0122A-HO	9/24/2008	Thorium 232	2.1	3.5	0.81	0.1	J	Iso Th	
4101-0122A-HO	9/24/2008	Uranium 233/234	2	14.5	0.61	0.12	J	Iso U	
4101-0122A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.042	0.098	U	Iso U	
4101-0122A-HO	9/24/2008	Uranium 238	2.2	4.2	0.45	0.1	J	Iso U	
4101-0123A-HO	9/24/2008	Thorium 228	2.6	4.8	0.87	0.15	J	Iso Th	
4101-0123A-HO	9/24/2008	Thorium 230	2.8	4.6	1.21	0.06	J	Iso Th	
4101-0123A-HO	9/24/2008	Thorium 232	2.1	3.5	0.88	0.14	J	Iso Th	
4101-0123A-HO	9/24/2008	Uranium 233/234	2	14.5	0.63	0.05	J	Iso U	
4101-0123A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.018	0.094	U	Iso U	
4101-0123A-HO	9/24/2008	Uranium 238	2.2	4.2	0.8	0.09	J	Iso U	
4101-0124A-HO	9/24/2008	Thorium 228	2.6	4.8	1.02	0.17	J	Iso Th	
4101-0124A-HO	9/24/2008	Thorium 230	2.8	4.6	1	0.13	J	Iso Th	
4101-0124A-HO	9/24/2008	Thorium 232	2.1	3.5	0.88	0.14	J	Iso Th	
4101-0124A-HO	9/24/2008	Uranium 233/234	2	14.5	0.65	0.11	J	Iso U	
4101-0124A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.037	0.11	U	Iso U	
4101-0124A-HO	9/24/2008	Uranium 238	2.2	4.2	0.86	0.1	J	Iso U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag	Analysis Type	Greater than CO
4101-0125A-HO	9/24/2008	Thorium 228	2.6	4.8	0.6	0.24	J	Iso Th	
4101-0125A-HO	9/24/2008	Thorium 230	2.8	4.6	1.25	0.15	J	Iso Th	
4101-0125A-HO	9/24/2008	Thorium 232	2.1	3.5	0.36	0.13	J	Iso Th	
4101-0125A-HO	9/24/2008	Uranium 233/234	2	14.5	0.53	0.1	J	Iso U	
4101-0125A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.02	0.11	U	Iso U	
4101-0125A-HO	9/24/2008	Uranium 238	2.2	4.2	0.55	0.1	J	Iso U	
4101-0126B-HO	10/10/2008	Thorium 228	2.6	4.8	0.44	0.14	J	Iso Th	
4101-0126B-HO	10/10/2008	Thorium 230	2.8	4.6	1.24	0.08	J	Iso Th	
4101-0126B-HO	10/10/2008	Thorium 232	2.1	3.5	0.43	0.06	J	Iso Th	
4101-0126B-HO	10/10/2008	Uranium 233/234	2	14.5	0.87	0.11	J	Iso U	
4101-0126B-HO	10/10/2008	Uranium 235/236	3.1	9.29	-0.0041	0.094	U	Iso U	
4101-0126B-HO	10/10/2008	Uranium 238	2.2	4.2	0.66	0.05	J	Iso U	
4101-0127A-HO	9/24/2008	Thorium 228	2.6	4.8	1.04	0.11	J	Iso Th	
4101-0127A-HO	9/24/2008	Thorium 230	2.8	4.6	2.16	0.09		Iso Th	
4101-0127A-HO	9/24/2008	Thorium 232	2.1	3.5	1.31	0.09	J	Iso Th	
4101-0127A-HO	9/24/2008	Uranium 233/234	2	14.5	1.7	0.13	J	Iso U	
4101-0127A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.11	0.12	U	Iso U	
4101-0127A-HO	9/24/2008	Uranium 238	2.2	4.2	0.63	0.1	J	Iso U	
4101-0128A-HO	9/24/2008	Thorium 228	2.6	4.8	0.34	0.21	J	Iso Th	
4101-0128A-HO	9/24/2008	Thorium 230	2.8	4.6	1.12	0.14	J	Iso Th	
4101-0128A-HO	9/24/2008	Thorium 232	2.1	3.5	0.33	0.14	J	Iso Th	
4101-0128A-HO	9/24/2008	Uranium 233/234	2	14.5	0.61	0.09	J	Iso U	
4101-0128A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.016	0.13	U	Iso U	
4101-0128A-HO	9/24/2008	Uranium 238	2.2	4.2	0.65	0.06	J	Iso U	
4101-0129A-HO	9/24/2008	Actinium 227	4.6	13.61	-0.45	0.66	U	Gamma	
4101-0129A-HO	9/24/2008	Actinium 228	1.93	5.8	0.33	0.22		Gamma	
4101-0129A-HO	9/24/2008	Americium 241	63	189	0.037	0.14	U	Gamma	
4101-0129A-HO	9/24/2008	Bismuth 214	1.17	3.51	0.52	0.11		Gamma	
4101-0129A-HO	9/24/2008	Bismuth-207	1.2	3.6	0.001	0.064	U	Gamma	
4101-0129A-HO	9/24/2008	Bismuth-210M	8.3	24.9	-0.001	0.067	U	Gamma	
4101-0129A-HO	9/24/2008	Cesium 137	3.8	10.62	0.012	0.079	U	Gamma	
4101-0129A-HO	9/24/2008	Cobalt 60	0.7	2.1	0.007	0.084	U	Gamma	
4101-0129A-HO	9/24/2008	Lead 210	7.4	19.8	0.4	2.3	U	Gamma	
4101-0129A-HO	9/24/2008	Lead 212	16.6	49.8	0.392	0.098		Gamma	
4101-0129A-HO	9/24/2008	Lead 214	8.92	26.8	0.45	0.11		Gamma	
4101-0129A-HO	9/24/2008	Plutonium 238	55	165.13	2.18	0.16		Iso Pu	
4101-0129A-HO	9/24/2008	Plutonium 239/40	62	181	0.013	0.099	U	Iso Pu	
4101-0129A-HO	9/24/2008	Protactinium 231	4	11.81	-0.0002	1.2	U	Gamma	
4101-0129A-HO	9/24/2008	Radium (226)	2.9	4.7	0.52	0.11		Gamma	
4101-0129A-HO	9/24/2008	Thorium 228	2.6	4.8	0.51	0.21	J	Iso Th	
4101-0129A-HO	9/24/2008	Thorium 229	5.06	15.2	0.002	0.79	U	Gamma	
4101-0129A-HO	9/24/2008	Thorium 230	2.8	4.6	1.15	0.14	J	Iso Th	
4101-0129A-HO	9/24/2008	Thorium 232	2.1	3.5	0.69	0.15	J	Iso Th	
4101-0129A-HO	9/24/2008	Uranium 233/234	2	14.5	0.63	0.13	J	Iso U	
4101-0129A-HO	9/24/2008	Uranium 235	3.2		0.06	0.3	U	Gamma	
4101-0129A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.041	0.12	U	Iso U	
4101-0129A-HO	9/24/2008	Uranium 238	2.2	4.2	0.78	0.14	J	Iso U	
4101-0130A-HO	9/24/2008	Thorium 228	2.6	4.8	0.26	0.15	J	Iso Th	
4101-0130A-HO	9/24/2008	Thorium 230	2.8	4.6	0.33	0.06	J	Iso Th	
4101-0130A-HO	9/24/2008	Thorium 232	2.1	3.5	0.12	0.14	U	Iso Th	
4101-0130A-HO	9/24/2008	Uranium 233/234	2	14.5	0.39	0.09	J	Iso U	
4101-0130A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.078	0.07	J	Iso U	
4101-0130A-HO	9/24/2008	Uranium 238	2.2	4.2	0.48	0.09	J	Iso U	
4101-0131A-HO	9/24/2008	Thorium 228	2.6	4.8	1.14	0.18	J	Iso Th	
4101-0131A-HO	9/24/2008	Thorium 230	2.8	4.6	1.54	0.14	J	Iso Th	
4101-0131A-HO	9/24/2008	Thorium 232	2.1	3.5	0.65	0.15	J	Iso Th	
4101-0131A-HO	9/24/2008	Uranium 233/234	2	14.5	0.45	0.13	J	Iso U	
4101-0131A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.028	0.075	U	Iso U	
4101-0131A-HO	9/24/2008	Uranium 238	2.2	4.2	0.55	0.11	J	Iso U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag	Analysis Type	Greater than CO
4101-0132B-HO	11/21/2008	Plutonium 238	55	165.13	1.8	0.11		Iso Pu	
4101-0132B-HO	11/21/2008	Plutonium 239/40	62	181	0.025	0.065	U	Iso Pu	
4101-0132B-HO	11/21/2008	Thorium 228	2.6	4.8	0.49	0.06		Iso Th	
4101-0132B-HO	11/21/2008	Thorium 230	2.8	4.6	0.92	0.05		Iso Th	
4101-0132B-HO	11/21/2008	Thorium 232	2.1	3.5	0.58	0.05		Iso Th	
4101-0132B-HO	11/21/2008	Uranium 233/234	2	14.5	0.81	0.06		Iso U	
4101-0132B-HO	11/21/2008	Uranium 235	3.2		0.036	0.067	U	Iso U	
4101-0132B-HO	11/21/2008	Uranium 238	2.2	4.2	0.77	0.06		Iso U	
4101-0133A-HO	9/24/2008	Thorium 228	2.6	4.8	0.78	0.12	J	Iso Th	
4101-0133A-HO	9/24/2008	Thorium 230	2.8	4.6	1.34	0.11	J	Iso Th	
4101-0133A-HO	9/24/2008	Thorium 232	2.1	3.5	0.52	0.09	J	Iso Th	
4101-0133A-HO	9/24/2008	Uranium 233/234	2	14.5	0.67	0.12	J	Iso U	
4101-0133A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.068	0.13	U	Iso U	
4101-0133A-HO	9/24/2008	Uranium 238	2.2	4.2	0.69	0.11	J	Iso U	
4101-0134A-HO	9/24/2008	Thorium 228	2.6	4.8	1.06	0.18	J	Iso Th	
4101-0134A-HO	9/24/2008	Thorium 230	2.8	4.6	0.79	0.12	J	Iso Th	
4101-0134A-HO	9/24/2008	Thorium 232	2.1	3.5	1.11	0.09	J	Iso Th	
4101-0134A-HO	9/24/2008	Uranium 233/234	2	14.5	0.91	0.12	J	Iso U	
4101-0134A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.042	0.099	U	Iso U	
4101-0134A-HO	9/24/2008	Uranium 238	2.2	4.2	0.66	0.11	J	Iso U	
4101-0135A-HO	9/24/2008	Thorium 228	2.6	4.8	0.8	0.13	J	Iso Th	
4101-0135A-HO	9/24/2008	Thorium 230	2.8	4.6	0.88	0.06	J	Iso Th	
4101-0135A-HO	9/24/2008	Thorium 232	2.1	3.5	1.2	0.09	J	Iso Th	
4101-0135A-HO	9/24/2008	Uranium 233/234	2	14.5	0.85	0.14	J	Iso U	
4101-0135A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.056	0.12	U	Iso U	
4101-0135A-HO	9/24/2008	Uranium 238	2.2	4.2	0.8	0.12	J	Iso U	
4101-0136A-HO	9/24/2008	Thorium 228	2.6	4.8	1.25	0.22	J	Iso Th	
4101-0136A-HO	9/24/2008	Thorium 230	2.8	4.6	1.41	0.21	J	Iso Th	
4101-0136A-HO	9/24/2008	Thorium 232	2.1	3.5	1.08	0.11	J	Iso Th	
4101-0136A-HO	9/24/2008	Uranium 233/234	2	14.5	0.87	0.13	J	Iso U	
4101-0136A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.08	0.12	U	Iso U	
4101-0136A-HO	9/24/2008	Uranium 238	2.2	4.2	1.03	0.12	J	Iso U	
4101-0137A-HO	9/24/2008	Thorium 228	2.6	4.8	0.66	0.19	J	Iso Th	
4101-0137A-HO	9/24/2008	Thorium 230	2.8	4.6	1.64	0.12	J	Iso Th	
4101-0137A-HO	9/24/2008	Thorium 232	2.1	3.5	0.79	0.11	J	Iso Th	
4101-0137A-HO	9/24/2008	Uranium 233/234	2	14.5	0.68	0.11	J	Iso U	
4101-0137A-HO	9/24/2008	Uranium 235/236	3.1	9.29	-0.01	0.14	U	Iso U	
4101-0137A-HO	9/24/2008	Uranium 238	2.2	4.2	0.42	0.1	J	Iso U	
4101-0138A-HO	9/24/2008	Thorium 228	2.6	4.8	1.14	0.23	J	Iso Th	
4101-0138A-HO	9/24/2008	Thorium 230	2.8	4.6	2.07	0.15		Iso Th	
4101-0138A-HO	9/24/2008	Thorium 232	2.1	3.5	1.04	0.15	J	Iso Th	
4101-0138A-HO	9/24/2008	Uranium 233/234	2	14.5	0.97	0.12	J	Iso U	
4101-0138A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.048	0.11	U	Iso U	
4101-0138A-HO	9/24/2008	Uranium 238	2.2	4.2	0.72	0.09	J	Iso U	
4101-0139A-HO	9/24/2008	Thorium 228	2.6	4.8	0.79	0.19	J	Iso Th	
4101-0139A-HO	9/24/2008	Thorium 230	2.8	4.6	1.06	0.09	J	Iso Th	
4101-0139A-HO	9/24/2008	Thorium 232	2.1	3.5	0.97	0.09	J	Iso Th	
4101-0139A-HO	9/24/2008	Uranium 233/234	2	14.5	0.69	0.11	J	Iso U	
4101-0139A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.051	0.12	U	Iso U	
4101-0139A-HO	9/24/2008	Uranium 238	2.2	4.2	0.67	0.11	J	Iso U	
4101-0140A-HO	9/24/2008	Thorium 228	2.6	4.8	0.52	0.16	J	Iso Th	
4101-0140A-HO	9/24/2008	Thorium 230	2.8	4.6	1.15	0.09	J	Iso Th	
4101-0140A-HO	9/24/2008	Thorium 232	2.1	3.5	0.8	0.07	J	Iso Th	
4101-0140A-HO	9/24/2008	Uranium 233/234	2	14.5	0.68	0.12	J	Iso U	
4101-0140A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.026	0.071	U	Iso U	
4101-0140A-HO	9/24/2008	Uranium 238	2.2	4.2	0.74	0.1	J	Iso U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag	Analysis Type	Greater than CO
4101-0141B-HO	10/13/2008	Thorium 228	2.6	4.8	0.44	0.31	J	Iso Th	
4101-0141B-HO	10/13/2008	Thorium 230	2.8	4.6	0.95	0.22	J	Iso Th	
4101-0141B-HO	10/13/2008	Thorium 232	2.1	3.5	0.75	0.1	J	Iso Th	
4101-0141B-HO	10/13/2008	Uranium 233/234	2	14.5	0.47	0.12	J	Iso U	
4101-0141B-HO	10/13/2008	Uranium 235/236	3.1	9.29	0.077	0.12	U	Iso U	
4101-0141B-HO	10/13/2008	Uranium 238	2.2	4.2	0.75	0.13	J	Iso U	
4101-0142B-HO	11/21/2008	Plutonium 238	55	165.13	0.35	0.1		Iso Pu	
4101-0142B-HO	11/21/2008	Plutonium 239/40	62	181	0.01	0.072	U	Iso Pu	
4101-0142B-HO	11/21/2008	Thorium 228	2.6	4.8	0.47	0.05		Iso Th	
4101-0142B-HO	11/21/2008	Thorium 230	2.8	4.6	0.82	0.03		Iso Th	
4101-0142B-HO	11/21/2008	Thorium 232	2.1	3.5	0.54	0.03		Iso Th	
4101-0142B-HO	11/21/2008	Uranium 233/234	2	14.5	0.46	0.04		Iso U	
4101-0142B-HO	11/21/2008	Uranium 235	3.2		0.036	0.033	J	Iso U	
4101-0142B-HO	11/21/2008	Uranium 238	2.2	4.2	0.43	0.04		Iso U	
4101-0144B-HO	6/1/2009	Actinium 227	4.6	13.61	0.05	1.5	U	Gamma	
4101-0144B-HO	6/1/2009	Actinium 228	1.93	5.8	1.46	0.19		Gamma	
4101-0144B-HO	6/1/2009	Americium 241	63	189	0.03	0.24	U	Gamma	
4101-0144B-HO	6/1/2009	Bismuth 214	1.17	3.51	1.03	0.19		Gamma	
4101-0144B-HO	6/1/2009	Bismuth-207	1.2	3.6	0.014	0.067	U	Gamma	
4101-0144B-HO	6/1/2009	Bismuth-210M	8.3	24.9	0.02	0.082	U	Gamma	
4101-0144B-HO	6/1/2009	Cesium 137	3.8	10.62	0.033	0.091	U	Gamma	
4101-0144B-HO	6/1/2009	Cobalt 60	0.7	2.1	0.002	0.098	U	Gamma	
4101-0144B-HO	6/1/2009	Lead 210	7.4	19.8	2.5	2.4	J	Gamma	
4101-0144B-HO	6/1/2009	Lead 212	16.6	49.8	1.29	0.13		Gamma	
4101-0144B-HO	6/1/2009	Lead 214	8.92	26.8	1.16	0.17		Gamma	
4101-0144B-HO	6/1/2009	Plutonium 238	55	165.13	1.47	0.32		Iso Pu	
4101-0144B-HO	6/1/2009	Plutonium 239/40	62	181	0.041	0.19	U	Iso Pu	
4101-0144B-HO	6/1/2009	Protactinium 231	4	11.81	0.4	2	U	Gamma	
4101-0144B-HO	6/1/2009	Radium (226)	2.9	4.7	1.03	0.19		Gamma	
4101-0144B-HO	6/1/2009	Thorium 228	2.6	4.8	0.189	0.053	J	Iso Th	
4101-0144B-HO	6/1/2009	Thorium 229	5.06	15.2	0.2	1.4	U	Gamma	
4101-0144B-HO	6/1/2009	Thorium 230	2.8	4.6	0.158	0.041	J	Iso Th	
4101-0144B-HO	6/1/2009	Thorium 232	2.1	3.5	0.147	0.027	J	Iso Th	
4101-0144B-HO	6/1/2009	Uranium 233/234	2	14.5	0.94	0.19		Iso U	
4101-0144B-HO	6/1/2009	Uranium 235	3.2		0.011	0.26	U	Iso U	
4101-0144B-HO	6/1/2009	Uranium 235	3.1	9.29	0.1	0.53	U	Gamma	
4101-0144B-HO	6/1/2009	Uranium 238	2.2	4.2	1.21	0.21		Iso U	
4101-0144B-HO	6/1/2009	Uranium 238	2.2	4.2	1.8	2.3	U	Gamma	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag	Analysis Type	Greater than CO
4101-0148C-HO	6/1/2009	Actinium 227	4.6	13.61	-0.04	1.3	U	Gamma	
4101-0148C-HO	6/1/2009	Actinium 228	1.93	5.8	1	0.32		Gamma	
4101-0148C-HO	6/1/2009	Americium 241	63	189	0.07	0.2	U	Gamma	
4101-0148C-HO	6/1/2009	Bismuth 214	1.17	3.51	0.67	0.14		Gamma	
4101-0148C-HO	6/1/2009	Bismuth-207	1.2	3.6	-0.0006	0.073	U	Gamma	
4101-0148C-HO	6/1/2009	Bismuth-210M	8.3	24.9	0	0.1	U	Gamma	
4101-0148C-HO	6/1/2009	Cesium 137	3.8	10.62	0.045	0.092	U	Gamma	
4101-0148C-HO	6/1/2009	Cobalt 60	0.7	2.1	0.002	0.13	U	Gamma	
4101-0148C-HO	6/1/2009	Lead 210	7.4	19.8	1.3	2.5	U	Gamma	
4101-0148C-HO	6/1/2009	Lead 212	16.6	49.8	0.86	0.14		Gamma	
4101-0148C-HO	6/1/2009	Lead 214	8.92	26.8	0.79	0.11		Gamma	
4101-0148C-HO	6/1/2009	Plutonium 238	55	165.13	28.8	0.7		Iso Pu	
4101-0148C-HO	6/1/2009	Plutonium 239/40	62	181	0.25	0.3	U	Iso Pu	
4101-0148C-HO	6/1/2009	Protactinium 231	4	11.81	-0.2	1.8	U	Gamma	
4101-0148C-HO	6/1/2009	Radium (226)	2.9	4.7	0.67	0.14		Gamma	
4101-0148C-HO	6/1/2009	Thorium 228	2.6	4.8	0.042	0.038	J	Iso Th	
4101-0148C-HO	6/1/2009	Thorium 229	5.06	15.2	0	1.2	U	Gamma	
4101-0148C-HO	6/1/2009	Thorium 230	2.8	4.6	0.101	0.027	J	Iso Th	
4101-0148C-HO	6/1/2009	Thorium 232	2.1	3.5	0.025	0.027	U	Iso Th	
4101-0148C-HO	6/1/2009	Uranium 233/234	2	14.5	0.9	0.57	J	Iso U	
4101-0148C-HO	6/1/2009	Uranium 235	3.2		-0.026	0.47	U	Iso U	
4101-0148C-HO	6/1/2009	Uranium 235	3.1	9.29	0.24	0.33	U	Gamma	
4101-0148C-HO	6/1/2009	Uranium 238	2.2	4.2	0.7	2.1	U	Gamma	
4101-0148C-HO	6/1/2009	Uranium 238	2.2	4.2	0.81	0.57	J	Iso U	
4101-0149C-HO	10/17/2008	Thorium 228	2.6	4.8	1.07	0.18	J	Iso Th	
4101-0149C-HO	10/17/2008	Thorium 230	2.8	4.6	0.88	0.06	J	Iso Th	
4101-0149C-HO	10/17/2008	Thorium 232	2.1	3.5	1.03	0.12	J	Iso Th	
4101-0149C-HO	10/17/2008	Uranium 233/234	2	14.5	0.99	0.09	J	Iso U	
4101-0149C-HO	10/17/2008	Uranium 235/236	3.1	9.29	0	0.071	U	Iso U	
4101-0149C-HO	10/17/2008	Uranium 238	2.2	4.2	0.69	0.09	J	Iso U	
4101-0150A-HO	9/24/2008	Thorium 228	2.6	4.8	0.76	0.15	J	Iso Th	
4101-0150A-HO	9/24/2008	Thorium 230	2.8	4.6	0.98	0.11	J	Iso Th	
4101-0150A-HO	9/24/2008	Thorium 232	2.1	3.5	0.7	0.09	J	Iso Th	
4101-0150A-HO	9/24/2008	Uranium 233/234	2	14.5	0.63	0.12	J	Iso U	
4101-0150A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.11	0.07	J	Iso U	
4101-0150A-HO	9/24/2008	Uranium 238	2.2	4.2	0.7	0.1	J	Iso U	
4101-0151B-HO	11/21/2008	Plutonium 238	55	165.13	5.42	0.09		Iso Pu	
4101-0151B-HO	11/21/2008	Plutonium 239/40	62	181	0.063	0.084	U	Iso Pu	
4101-0151B-HO	11/21/2008	Thorium 228	2.6	4.8	0.78	0.09		Iso Th	
4101-0151B-HO	11/21/2008	Thorium 230	2.8	4.6	0.89	0.07		Iso Th	
4101-0151B-HO	11/21/2008	Thorium 232	2.1	3.5	0.71	0.05		Iso Th	
4101-0151B-HO	11/21/2008	Uranium 233/234	2	14.5	0.74	0.06		Iso U	
4101-0151B-HO	11/21/2008	Uranium 235	3.2		0.035	0.053	U	Iso U	
4101-0151B-HO	11/21/2008	Uranium 238	2.2	4.2	0.61	0.04		Iso U	
4101-0152A-HO	9/24/2008	Thorium 228	2.6	4.8	0.84	0.18	J	Iso Th	
4101-0152A-HO	9/24/2008	Thorium 230	2.8	4.6	1.26	0.11	J	Iso Th	
4101-0152A-HO	9/24/2008	Thorium 232	2.1	3.5	0.7	0.1	J	Iso Th	
4101-0152A-HO	9/24/2008	Uranium 233/234	2	14.5	0.7	0.11	J	Iso U	
4101-0152A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.045	0.11	U	Iso U	
4101-0152A-HO	9/24/2008	Uranium 238	2.2	4.2	0.72	0.12	J	Iso U	
4101-0153A-HO	9/24/2008	Thorium 228	2.6	4.8	0.81	0.14	J	Iso Th	
4101-0153A-HO	9/24/2008	Thorium 230	2.8	4.6	1.38	0.06	J	Iso Th	
4101-0153A-HO	9/24/2008	Thorium 232	2.1	3.5	0.66	0.06	J	Iso Th	
4101-0153A-HO	9/24/2008	Uranium 233/234	2	14.5	0.64	0.1	J	Iso U	
4101-0153A-HO	9/24/2008	Uranium 235/236	3.1	9.29	0.077	0.07	J	Iso U	
4101-0153A-HO	9/24/2008	Uranium 238	2.2	4.2	0.75	0.13	J	Iso U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag	Analysis Type	Greater than CO
4101-0160B-HO	11/21/2008	Plutonium 238	55	165.13	3.36	0.08		Iso Pu	
4101-0160B-HO	11/21/2008	Plutonium 239/40	62	181	0.053	0.053		Iso Pu	
4101-0160B-HO	11/21/2008	Thorium 228	2.6	4.8	1.04	0.07		Iso Th	
4101-0160B-HO	11/21/2008	Thorium 230	2.8	4.6	1.07	0.05		Iso Th	
4101-0160B-HO	11/21/2008	Thorium 232	2.1	3.5	0.92	0.04		Iso Th	
4101-0160B-HO	11/21/2008	Uranium 233/234	2	14.5	0.87	0.04		Iso U	
4101-0160B-HO	11/21/2008	Uranium 235	3.2		0.024	0.033	U	Iso U	
4101-0160B-HO	11/21/2008	Uranium 238	2.2	4.2	0.82	0.03		Iso U	
4101-0161A-HO	9/25/2008	Thorium 228	2.6	4.8	0.66	0.12	J	Iso Th	
4101-0161A-HO	9/25/2008	Thorium 230	2.8	4.6	1.12	0.11	J	Iso Th	
4101-0161A-HO	9/25/2008	Thorium 232	2.1	3.5	0.62	0.09	J	Iso Th	
4101-0161A-HO	9/25/2008	Uranium 233/234	2	14.5	0.64	0.1	J	Iso U	
4101-0161A-HO	9/25/2008	Uranium 235/236	3.1	9.29	-0.009	0.11	U	Iso U	
4101-0161A-HO	9/25/2008	Uranium 238	2.2	4.2	0.61	0.09	J	Iso U	
4101-0162B-HO	10/13/2008	Thorium 228	2.6	4.8	0.66	0.18	J	Iso Th	
4101-0162B-HO	10/13/2008	Thorium 230	2.8	4.6	1.73	0.12	J	Iso Th	
4101-0162B-HO	10/13/2008	Thorium 232	2.1	3.5	0.73	0.09	J	Iso Th	
4101-0162B-HO	10/13/2008	Uranium 233/234	2	14.5	1.42	0.13	J	Iso U	
4101-0162B-HO	10/13/2008	Uranium 235/236	3.1	9.29	0.12	0.13	U	Iso U	
4101-0162B-HO	10/13/2008	Uranium 238	2.2	4.2	1.51	0.09	J	Iso U	
4101-0163A-HO	9/25/2008	Thorium 228	2.6	4.8	0.43	0.13	J	Iso Th	
4101-0163A-HO	9/25/2008	Thorium 230	2.8	4.6	0.96	0.05	J	Iso Th	
4101-0163A-HO	9/25/2008	Thorium 232	2.1	3.5	0.45	0.08	J	Iso Th	
4101-0163A-HO	9/25/2008	Uranium 233/234	2	14.5	0.54	0.11	J	Iso U	
4101-0163A-HO	9/25/2008	Uranium 235/236	3.1	9.29	-0.0047	0.11	U	Iso U	
4101-0163A-HO	9/25/2008	Uranium 238	2.2	4.2	0.73	0.05	J	Iso U	
4101-0164A-HO	9/25/2008	Thorium 228	2.6	4.8	0.52	0.11	J	Iso Th	
4101-0164A-HO	9/25/2008	Thorium 230	2.8	4.6	0.8	0.1	J	Iso Th	
4101-0164A-HO	9/25/2008	Thorium 232	2.1	3.5	0.51	0.09	J	Iso Th	
4101-0164A-HO	9/25/2008	Uranium 233/234	2	14.5	0.72	0.1	J	Iso U	
4101-0164A-HO	9/25/2008	Uranium 235/236	3.1	9.29	0.02	0.1	U	Iso U	
4101-0164A-HO	9/25/2008	Uranium 238	2.2	4.2	0.32	0.08	J	Iso U	
4101-0165A-HO	9/25/2008	Thorium 228	2.6	4.8	0.54	0.22	J	Iso Th	
4101-0165A-HO	9/25/2008	Thorium 230	2.8	4.6	0.89	0.11	J	Iso Th	
4101-0165A-HO	9/25/2008	Thorium 232	2.1	3.5	0.56	0.1	J	Iso Th	
4101-0165A-HO	9/25/2008	Uranium 233/234	2	14.5	0.43	0.09	J	Iso U	
4101-0165A-HO	9/25/2008	Uranium 235/236	3.1	9.29	0.017	0.13	U	Iso U	
4101-0165A-HO	9/25/2008	Uranium 238	2.2	4.2	0.52	0.06	J	Iso U	
4101-0173B-HO	10/10/2008	Thorium 228	2.6	4.8	1.04	0.15	J	Iso Th	
4101-0173B-HO	10/10/2008	Thorium 230	2.8	4.6	1.14	0.12	J	Iso Th	
4101-0173B-HO	10/10/2008	Thorium 232	2.1	3.5	1.04	0.06	J	Iso Th	
4101-0173B-HO	10/10/2008	Uranium 233/234	2	14.5	0.64	0.19	J	Iso U	
4101-0173B-HO	10/10/2008	Uranium 235/236	3.1	9.29	0.072	0.13	U	Iso U	
4101-0173B-HO	10/10/2008	Uranium 238	2.2	4.2	0.78	0.15	J	Iso U	
4101-0174A-HO	9/25/2008	Thorium 228	2.6	4.8	0.42	0.2	J	Iso Th	
4101-0174A-HO	9/25/2008	Thorium 230	2.8	4.6	1.83	0.2	J	Iso Th	
4101-0174A-HO	9/25/2008	Thorium 232	2.1	3.5	0.33	0.1	J	Iso Th	
4101-0174A-HO	9/25/2008	Uranium 233/234	2	14.5	0.65	0.11	J	Iso U	
4101-0174A-HO	9/25/2008	Uranium 235/236	3.1	9.29	0.017	0.13	U	Iso U	
4101-0174A-HO	9/25/2008	Uranium 238	2.2	4.2	0.69	0.11	J	Iso U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag	Analysis Type	Greater than CO
4101-0175A-HO	9/25/2008	Actinium 227	4.6	13.61	-0.05	0.35	U	Gamma	
4101-0175A-HO	9/25/2008	Actinium 228	1.93	5.8	0.22	0.22	U	Gamma	
4101-0175A-HO	9/25/2008	Americium 241	63	189	-0.012	0.13	U	Gamma	
4101-0175A-HO	9/25/2008	Bismuth 214	1.17	3.51	0.43	0.11		Gamma	
4101-0175A-HO	9/25/2008	Bismuth-207	1.2	3.6	-0.007	0.063	U	Gamma	
4101-0175A-HO	9/25/2008	Bismuth-210M	8.3	24.9	-0.005	0.067	U	Gamma	
4101-0175A-HO	9/25/2008	Cesium 137	3.8	10.62	0.005	0.08	U	Gamma	
4101-0175A-HO	9/25/2008	Cobalt 60	0.7	2.1	0	0.039	U	Gamma	
4101-0175A-HO	9/25/2008	Lead 210	7.4	19.8	0.4	1.7	U	Gamma	
4101-0175A-HO	9/25/2008	Lead 212	16.6	49.8	0.215	0.094		Gamma	
4101-0175A-HO	9/25/2008	Lead 214	8.92	26.8	0.335	0.095		Gamma	
4101-0175A-HO	9/25/2008	Plutonium 238	55	165.13	0.25	0.17		Iso Pu	
4101-0175A-HO	9/25/2008	Plutonium 239/40	62	181	-0.011	0.1	U	Iso Pu	
4101-0175A-HO	9/25/2008	Protactinium 231	4	11.81	-0.15	1.4	U	Gamma	
4101-0175A-HO	9/25/2008	Radium (226)	2.9	4.7	0.43	0.11		Gamma	
4101-0175A-HO	9/25/2008	Thorium 228	2.6	4.8	0.37	0.21	J	Iso Th	
4101-0175A-HO	9/25/2008	Thorium 229	5.06	15.2	0.11	0.67	U	Gamma	
4101-0175A-HO	9/25/2008	Thorium 230	2.8	4.6	1.45	0.1	J	Iso Th	
4101-0175A-HO	9/25/2008	Thorium 232	2.1	3.5	0.4	0.12	J	Iso Th	
4101-0175A-HO	9/25/2008	Uranium 233/234	2	14.5	0.72	0.14	J	Iso U	
4101-0175A-HO	9/25/2008	Uranium 235	3.2		0.11	0.24	U	Gamma	
4101-0175A-HO	9/25/2008	Uranium 235/236	3.1	9.29	0.076	0.12	U	Iso U	
4101-0175A-HO	9/25/2008	Uranium 238	2.2	4.2	0.6	0.12	J	Iso U	
4101-0176B-HO	11/21/2008	Plutonium 238	55	165.13	11.6	0.07		Iso Pu	
4101-0176B-HO	11/21/2008	Plutonium 239/40	62	181	0.044	0.03		Iso Pu	
4101-0176B-HO	11/21/2008	Thorium 228	2.6	4.8	0.69	0.08		Iso Th	
4101-0176B-HO	11/21/2008	Thorium 230	2.8	4.6	1	0.05		Iso Th	
4101-0176B-HO	11/21/2008	Thorium 232	2.1	3.5	0.58	0.03		Iso Th	
4101-0176B-HO	11/21/2008	Uranium 233/234	2	14.5	0.71	0.05		Iso U	
4101-0176B-HO	11/21/2008	Uranium 235	3.2		0.042	0.038	J	Iso U	
4101-0176B-HO	11/21/2008	Uranium 238	2.2	4.2	0.67	0.05		Iso U	
4101-0185A-HO	9/25/2008	Actinium 227	4.6	13.61	-0.12	1.2	U	Gamma	
4101-0185A-HO	9/25/2008	Actinium 228	1.93	5.8	0.93	0.16		Gamma	
4101-0185A-HO	9/25/2008	Americium 241	63	189	0.058	0.16	U	Gamma	
4101-0185A-HO	9/25/2008	Bismuth 214	1.17	3.51	0.71	0.13		Gamma	
4101-0185A-HO	9/25/2008	Bismuth-207	1.2	3.6	-0.001	0.063	U	Gamma	
4101-0185A-HO	9/25/2008	Bismuth-210M	8.3	24.9	-0.036	0.1	U	Gamma	
4101-0185A-HO	9/25/2008	Cesium 137	3.8	10.62	-0.015	0.079	U	Gamma	
4101-0185A-HO	9/25/2008	Cobalt 60	0.7	2.1	0	0.099	U	Gamma	
4101-0185A-HO	9/25/2008	Lead 210	7.4	19.8	-0.08	2.1	U	Gamma	
4101-0185A-HO	9/25/2008	Lead 212	16.6	49.8	0.96	0.11		Gamma	
4101-0185A-HO	9/25/2008	Lead 214	8.92	26.8	0.77	0.1		Gamma	
4101-0185A-HO	9/25/2008	Plutonium 238	55	165.13	0.55	0.15		Iso Pu	
4101-0185A-HO	9/25/2008	Plutonium 239/40	62	181	-0.0037	0.084	U	Iso Pu	
4101-0185A-HO	9/25/2008	Protactinium 231	4	11.81	0.99	1.6	U	Gamma	
4101-0185A-HO	9/25/2008	Radium (226)	2.9	4.7	0.71	0.13		Gamma	
4101-0185A-HO	9/25/2008	Thorium 228	2.6	4.8	1.26	0.19	J	Iso Th	
4101-0185A-HO	9/25/2008	Thorium 229	5.06	15.2	-0.28	1.1	U	Gamma	
4101-0185A-HO	9/25/2008	Thorium 230	2.8	4.6	1.42	0.15	J	Iso Th	
4101-0185A-HO	9/25/2008	Thorium 232	2.1	3.5	0.95	0.11	J	Iso Th	
4101-0185A-HO	9/25/2008	Uranium 233/234	2	14.5	0.86	0.13	J	Iso U	
4101-0185A-HO	9/25/2008	Uranium 235	3.2		0.09	0.39	U	Gamma	
4101-0185A-HO	9/25/2008	Uranium 235/236	3.1	9.29	0.057	0.077	U	Iso U	
4101-0185A-HO	9/25/2008	Uranium 238	2.2	4.2	0.68	0.1	J	Iso U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag	Analysis Type	Greater than CO
4101-0186A-HO	9/25/2008	Thorium 228	2.6	4.8	0.2	0.16	J	Iso Th	
4101-0186A-HO	9/25/2008	Thorium 230	2.8	4.6	0.73	0.11	J	Iso Th	
4101-0186A-HO	9/25/2008	Thorium 232	2.1	3.5	0.32	0.11	J	Iso Th	
4101-0186A-HO	9/25/2008	Uranium 233/234	2	14.5	0.46	0.1	J	Iso U	
4101-0186A-HO	9/25/2008	Uranium 235/236	3.1	9.29	-0.0044	0.099	U	Iso U	
4101-0186A-HO	9/25/2008	Uranium 238	2.2	4.2	0.34	0.05	J	Iso U	
4101-0187D-HO	6/17/2099	Actinium 227	4.6	13.61	0.01	1.3	U	Gamma	
4101-0187D-HO	6/17/2099	Actinium 228	1.93	5.8	1.15	0.1		Gamma	
4101-0187D-HO	6/17/2099	Americium 241	63	189	0.02	0.22	U	Gamma	
4101-0187D-HO	6/17/2099	Bismuth-207	1.2	3.6	0.011	0.075	U	Gamma	
4101-0187D-HO	6/17/2099	Bismuth-210M	8.3	24.9	-0.03	0.13	U	Gamma	
4101-0187D-HO	6/17/2099	Cesium 137	3.8	10.62	-0.01	0.11	U	Gamma	
4101-0187D-HO	6/17/2099	Cobalt 60	0.7	2.1	-0.05	0.14	U	Gamma	
4101-0187D-HO	6/17/2099	Lead 210	7.4	19.8	1.8	2.5	U	Gamma	
4101-0187D-HO	6/17/2099	Lead 212	16.6	49.8	0.97	0.15		Gamma	
4101-0187D-HO	6/17/2099	Lead 214	8.92	26.8	1.25	0.14		Gamma	
4101-0187D-HO	6/17/2099	Plutonium 238	55	165.13	0.061	0.16	U	Iso Pu	
4101-0187D-HO	6/17/2099	Plutonium 239/40	62	181	-0.026	0.15	U	Iso Pu	
4101-0187D-HO	6/17/2099	Protactinium 231	4	11.81	-0.2	2.2	U	Gamma	
4101-0187D-HO	6/17/2099	Radium (226)	2.9	4.7	1.29	0.17		Gamma	
4101-0187D-HO	6/17/2099	Thorium 228	2.6	4.8	0.95	0.19	J	Iso Th	
4101-0187D-HO	6/17/2099	Thorium 229	5.06	15.2	-0.003	1.1	U	Gamma	
4101-0187D-HO	6/17/2099	Thorium 230	2.8	4.6	1.9	0.1	J	Iso Th	
4101-0187D-HO	6/17/2099	Thorium 232	2.1	3.5	1.09	0.13	J	Iso Th	
4101-0187D-HO	6/17/2099	Uranium 233/234	2	14.5	0.8	0.14	J	Iso U	
4101-0187D-HO	6/17/2099	Uranium 235	3.2		0.06	0.47	U	Gamma	
4101-0187D-HO	6/17/2099	Uranium 235	3.1	9.29	0.025	0.13	U	Iso U	
4101-0187D-HO	6/17/2099	Uranium 238	2.2	4.2	0.5	2.3	U	Gamma	
4101-0187D-HO	6/17/2099	Uranium 238	2.2	4.2	1	0.14	J	Iso U	
4101-0195A-HO	9/25/2008	Thorium 228	2.6	4.8	0.99	0.18	J	Iso Th	
4101-0195A-HO	9/25/2008	Thorium 230	2.8	4.6	1.02	0.13	J	Iso Th	
4101-0195A-HO	9/25/2008	Thorium 232	2.1	3.5	1.25	0.06	J	Iso Th	
4101-0195A-HO	9/25/2008	Uranium 233/234	2	14.5	0.89	0.11	J	Iso U	
4101-0195A-HO	9/25/2008	Uranium 235/236	3.1	9.29	0.069	0.1	U	Iso U	
4101-0195A-HO	9/25/2008	Uranium 238	2.2	4.2	0.97	0.11	J	Iso U	
4101-0196A-HO	9/26/2008	Thorium 228	2.6	4.8	0.95	0.11	J	Iso Th	
4101-0196A-HO	9/26/2008	Thorium 230	2.8	4.6	1.01	0.1	J	Iso Th	
4101-0196A-HO	9/26/2008	Thorium 232	2.1	3.5	1.07	0.09	J	Iso Th	
4101-0196A-HO	9/26/2008	Uranium 233/234	2	14.5	0.72	0.14	J	Iso U	
4101-0196A-HO	9/26/2008	Uranium 235/236	3.1	9.29	0.011	0.14	U	Iso U	
4101-0196A-HO	9/26/2008	Uranium 238	2.2	4.2	0.88	0.12	J	Iso U	
4101-0204A-HO	9/26/2008	Thorium 228	2.6	4.8	1.34	0.2	J	Iso Th	
4101-0204A-HO	9/26/2008	Thorium 230	2.8	4.6	1.19	0.1	J	Iso Th	
4101-0204A-HO	9/26/2008	Thorium 232	2.1	3.5	1.34	0.1	J	Iso Th	
4101-0204A-HO	9/26/2008	Uranium 233/234	2	14.5	0.68	0.1	J	Iso U	
4101-0204A-HO	9/26/2008	Uranium 235/236	3.1	9.29	-0.0047	0.11	U	Iso U	
4101-0204A-HO	9/26/2008	Uranium 238	2.2	4.2	0.48	0.1	J	Iso U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag	Analysis Type	Greater than CO
4101-0210C-HO	5/28/2009	Actinium 227	4.6	13.61	0	0.6	U	Gamma	
4101-0210C-HO	5/28/2009	Actinium 228	1.93	5.8	0.23	0.2		Gamma	
4101-0210C-HO	5/28/2009	Americium 241	63	189	0.064	0.11	U	Gamma	
4101-0210C-HO	5/28/2009	Bismuth 214	1.17	3.51	0.358	0.099		Gamma	
4101-0210C-HO	5/28/2009	Bismuth-207	1.2	3.6	0.011	0.036	U	Gamma	
4101-0210C-HO	5/28/2009	Bismuth-210M	8.3	24.9	-0.009	0.069	U	Gamma	
4101-0210C-HO	5/28/2009	Cesium 137	3.8	10.62	0	0.053	U	Gamma	
4101-0210C-HO	5/28/2009	Cobalt 60	0.7	2.1	-0.003	0.059	U	Gamma	
4101-0210C-HO	5/28/2009	Lead 210	7.4	19.8	0.25	1.5	U	Gamma	
4101-0210C-HO	5/28/2009	Lead 212	16.6	49.8	0.125	0.088		Gamma	
4101-0210C-HO	5/28/2009	Lead 214	8.92	26.8	0.384	0.097		Gamma	
4101-0210C-HO	5/28/2009	Plutonium 238	55	165.13	3.71	0.23		Iso Pu	
4101-0210C-HO	5/28/2009	Plutonium 239/40	62	181	-0.022	0.18	U	Iso Pu	
4101-0210C-HO	5/28/2009	Protactinium 231	4	11.81	-0.04	1.1	U	Gamma	
4101-0210C-HO	5/28/2009	Radium (226)	2.9	4.7	0.358	0.099		Gamma	
4101-0210C-HO	5/28/2009	Thorium 228	2.6	4.8	0.029	0.028	J	Iso Th	
4101-0210C-HO	5/28/2009	Thorium 229	5.06	15.2	-0.11	0.79	U	Gamma	
4101-0210C-HO	5/28/2009	Thorium 230	2.8	4.6	0.103	0.026	J	Iso Th	
4101-0210C-HO	5/28/2009	Thorium 232	2.1	3.5	0.037	0.023	J	Iso Th	
4101-0210C-HO	5/28/2009	Uranium 233/234	2	14.5	0.47	0.16	J	Iso U	
4101-0210C-HO	5/28/2009	Uranium 235	3.2		-0.011	0.2	U	Iso U	
4101-0210C-HO	5/28/2009	Uranium 235	3.1	9.29	0.06	0.3	U	Gamma	
4101-0210C-HO	5/28/2009	Uranium 238	2.2	4.2	0.4	0.18	J	Iso U	
4101-0210C-HO	5/28/2009	Uranium 238	2.2	4.2	1.07	1.2	U	Gamma	
4101-0212B-HO	11/21/2008	Plutonium 238	55	165.13	13.5	0.06		Iso Pu	
4101-0212B-HO	11/21/2008	Plutonium 239/40	62	181	0.049	0.044		Iso Pu	
4101-0212B-HO	11/21/2008	Thorium 228	2.6	4.8	0.72	0.06		Iso Th	
4101-0212B-HO	11/21/2008	Thorium 230	2.8	4.6	0.97	0.05		Iso Th	
4101-0212B-HO	11/21/2008	Thorium 232	2.1	3.5	0.65	0.05		Iso Th	
4101-0212B-HO	11/21/2008	Uranium 233/234	2	14.5	0.57	0.05		Iso U	
4101-0212B-HO	11/21/2008	Uranium 235	3.2		0.012	0.032	U	Iso U	
4101-0212B-HO	11/21/2008	Uranium 238	2.2	4.2	0.53	0.03		Iso U	
4101-0219B-HO	6/1/2009	Actinium 227	4.6	13.61	-0.17	0.48	U	Gamma	
4101-0219B-HO	6/1/2009	Actinium 228	1.93	5.8	0.39	0.21		Gamma	
4101-0219B-HO	6/1/2009	Americium 241	63	189	0.004	0.16	U	Gamma	
4101-0219B-HO	6/1/2009	Bismuth 214	1.17	3.51	0.44	0.14		Gamma	
4101-0219B-HO	6/1/2009	Bismuth-207	1.2	3.6	0.002	0.06	U	Gamma	
4101-0219B-HO	6/1/2009	Bismuth-210M	8.3	24.9	0.015	0.067	U	Gamma	
4101-0219B-HO	6/1/2009	Cesium 137	3.8	10.62	0	0.081	U	Gamma	
4101-0219B-HO	6/1/2009	Cobalt 60	0.7	2.1	0	0.12	U	Gamma	
4101-0219B-HO	6/1/2009	Lead 210	7.4	19.8	0.3	2.1	U	Gamma	
4101-0219B-HO	6/1/2009	Lead 212	16.6	49.8	0.38	0.11		Gamma	
4101-0219B-HO	6/1/2009	Lead 214	8.92	26.8	0.66	0.1		Gamma	
4101-0219B-HO	6/1/2009	Plutonium 238	55	165.13	0.87	0.29		Iso Pu	
4101-0219B-HO	6/1/2009	Plutonium 239/40	62	181	0.022	0.14	U	Iso Pu	
4101-0219B-HO	6/1/2009	Protactinium 231	4	11.81	-0.31	1.7	U	Gamma	
4101-0219B-HO	6/1/2009	Radium (226)	2.9	4.7	0.44	0.14		Gamma	
4101-0219B-HO	6/1/2009	Thorium 228	2.6	4.8	0.041	0.034	J	Iso Th	
4101-0219B-HO	6/1/2009	Thorium 229	5.06	15.2	0.34	0.84	U	Gamma	
4101-0219B-HO	6/1/2009	Thorium 230	2.8	4.6	0.084	0.031	J	Iso Th	
4101-0219B-HO	6/1/2009	Thorium 232	2.1	3.5	0.065	0.021	J	Iso Th	
4101-0219B-HO	6/1/2009	Uranium 233/234	2	14.5	0.47	0.25	J	Iso U	
4101-0219B-HO	6/1/2009	Uranium 235	3.2		-0.09	0.4	U	Gamma	
4101-0219B-HO	6/1/2009	Uranium 235	3.1	9.29	0.06	0.21	U	Iso U	
4101-0219B-HO	6/1/2009	Uranium 238	2.2	4.2	0.43	1.7	U	Gamma	
4101-0219B-HO	6/1/2009	Uranium 238	2.2	4.2	0.49	0.21	J	Iso U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag	Analysis Type	Greater than CO
4101-0221B-HO	6/1/2009	Actinium 227	4.6	13.61	0	0.16	U	Gamma	
4101-0221B-HO	6/1/2009	Actinium 228	1.93	5.8	0.3	0.3		Gamma	
4101-0221B-HO	6/1/2009	Americium 241	63	189	0.003	0.16	U	Gamma	
4101-0221B-HO	6/1/2009	Bismuth 214	1.17	3.51	0.48	0.14		Gamma	
4101-0221B-HO	6/1/2009	Bismuth-207	1.2	3.6	0.003	0.054	U	Gamma	
4101-0221B-HO	6/1/2009	Bismuth-210M	8.3	24.9	0.023	0.089	U	Gamma	
4101-0221B-HO	6/1/2009	Cesium 137	3.8	10.62	-0.02	0.11	U	Gamma	
4101-0221B-HO	6/1/2009	Cobalt 60	0.7	2.1	-0.02	0.12	U	Gamma	
4101-0221B-HO	6/1/2009	Lead 210	7.4	19.8	0.58	1.8	U	Gamma	
4101-0221B-HO	6/1/2009	Lead 212	16.6	49.8	0.56	0.11		Gamma	
4101-0221B-HO	6/1/2009	Lead 214	8.92	26.8	0.54	0.1		Gamma	
4101-0221B-HO	6/1/2009	Plutonium 238	55	165.13	0.51	0.24		Iso Pu	
4101-0221B-HO	6/1/2009	Plutonium 239/40	62	181	-0.015	0.22	U	Iso Pu	
4101-0221B-HO	6/1/2009	Protactinium 231	4	11.81	-0.5	2	U	Gamma	
4101-0221B-HO	6/1/2009	Radium (226)	2.9	4.7	0.48	0.14		Gamma	
4101-0221B-HO	6/1/2009	Thorium 228	2.6	4.8	0.073	0.039	J	Iso Th	
4101-0221B-HO	6/1/2009	Thorium 229	5.06	15.2	0.24	0.99	U	Gamma	
4101-0221B-HO	6/1/2009	Thorium 230	2.8	4.6	0.112	0.026	J	Iso Th	
4101-0221B-HO	6/1/2009	Thorium 232	2.1	3.5	0.056	0.024	J	Iso Th	
4101-0221B-HO	6/1/2009	Uranium 233/234	2	14.5	0.33	0.23	J	Iso U	
4101-0221B-HO	6/1/2009	Uranium 235	3.2		-0.02	0.4	U	Gamma	
4101-0221B-HO	6/1/2009	Uranium 235	3.1	9.29	0.07	0.19	U	Iso U	
4101-0221B-HO	6/1/2009	Uranium 238	2.2	4.2	0.49	1.7	U	Gamma	
4101-0221B-HO	6/1/2009	Uranium 238	2.2	4.2	0.57	0.09	J	Iso U	
4101-0203C-HO	5/28/2009	Actinium 227	4.6	13.61	-0.02	1.1	U	Gamma	
4101-0203C-HO	5/28/2009	Actinium 228	1.93	5.8	0.57	0.13		Gamma	
4101-0203C-HO	5/28/2009	Americium 241	63	189	0.09	0.17	U	Gamma	
4101-0203C-HO	5/28/2009	Bismuth-207	1.2	3.6	0.0005	0.086	U	Gamma	
4101-0203C-HO	5/28/2009	Bismuth-210M	8.3	24.9	0.012	0.082	U	Gamma	
4101-0203C-HO	5/28/2009	Cesium 137	3.8	10.62	0.005	0.07	U	Gamma	
4101-0203C-HO	5/28/2009	Cobalt 60	0.7	2.1	0.012	0.11	U	Gamma	
4101-0203C-HO	5/28/2009	Lead 210	7.4	19.8	0.2	1.9	U	Gamma	
4101-0203C-HO	5/28/2009	Lead 212	16.6	49.8	0.53	0.1		Gamma	
4101-0203C-HO	5/28/2009	Lead 214	8.92	26.8	0.64	0.12		Gamma	
4101-0203C-HO	5/28/2009	Plutonium 238	55	165.13	2.62	0.12		Iso Pu	
4101-0203C-HO	5/28/2009	Plutonium 239/40	62	181	0.043	0.11	U	Iso Pu	
4101-0203C-HO	5/28/2009	Protactinium 231	4	11.81	0.007	1.8	U	Gamma	
4101-0203C-HO	5/28/2009	Radium (226)	2.9	4.7	0.42	0.17		Gamma	
4101-0203C-HO	5/28/2009	Thorium 228	2.6	4.8	0.43	0.17	J	Iso Th	
4101-0203C-HO	5/28/2009	Thorium 229	5.06	15.2	0.29	0.87	U	Gamma	
4101-0203C-HO	5/28/2009	Thorium 230	2.8	4.6	1.03	0.1	J	Iso Th	
4101-0203C-HO	5/28/2009	Thorium 232	2.1	3.5	0.47	0.13	J	Iso Th	
4101-0203C-HO	5/28/2009	Uranium 233/234	2	14.5	0.47	0.13	J	Iso U	
4101-0203C-HO	5/28/2009	Uranium 235	3.2		0.04	0.42	U	Gamma	
4101-0203C-HO	5/28/2009	Uranium 235/236	3.1	9.29	0	0.064	U	Iso U	
4101-0203C-HO	5/28/2009	Uranium 238	2.2	4.2	0.9	1.7	U	Gamma	
4101-0203C-HO	5/28/2009	Uranium 238	2.2	4.2	0.59	0.12	J	Iso U	

CO	Cleanup Objective
HS	Hot Spot Criteria
MDL	Minimum Detectable Limit
A-HO	Hot Spot Original
"X"-HO	Hot Spot Remediate and Resample (B, C, etc.)
Iso-Th	Isotopic Thorium
Iso-Pu	Isotopic Plutonium
Iso-U	Isotopic Uranium
Gamma	Offsite gamma spec
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit
J	Result is greater than sample detection limit; but less than stated reporting limit

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag		Greater than CO
4101-0226A-FO	6/16/2009	Actinium 227	4.6	13.61	-0.07	0.34	U		
4101-0226A-FO	6/16/2009	Actinium 228	1.93	5.8	0.21	0.23	U		
4101-0226A-FO	6/16/2009	Americium 241	63	189	-0.01	0.16	U		
4101-0226A-FO	6/16/2009	Bismuth-207	1.2	3.6	0.009	0.052	U		
4101-0226A-FO	6/16/2009	Bismuth-210M	8.3	24.9	0.001	0.073	U		
4101-0226A-FO	6/16/2009	Cesium 137	3.8	10.62	0.015	0.056	U		
4101-0226A-FO	6/16/2009	Cobalt 60	0.7	2.1	-0.015	0.079	U		
4101-0226A-FO	6/16/2009	Lead 210	7.4	19.8	0.8	1.6	U		
4101-0226A-FO	6/16/2009	Lead 212	16.6	49.8	0.314	0.092			
4101-0226A-FO	6/16/2009	Lead 214	8.92	26.8	0.41	0.12			
4101-0226A-FO	6/16/2009	Plutonium 238	55	165.1	1.84	0.13			
4101-0226A-FO	6/16/2009	Plutonium 239/40	62	181	0.02	0.12	U		
4101-0226A-FO	6/16/2009	Protactinium 231	4	11.81	0.41	1.1	U		
4101-0226A-FO	6/16/2009	Radium (226)	2.9	4.7	0.45	0.12			
4101-0226A-FO	6/16/2009	Thorium 228	2.6	4.8	0.3	0.2	J		
4101-0226A-FO	6/16/2009	Thorium 229	5.06	15.2	-0.1	0.57	U		
4101-0226A-FO	6/16/2009	Thorium 230	2.8	4.6	0.84	0.16	J		
4101-0226A-FO	6/16/2009	Thorium 232	2.1	3.5	0.4	0.13	J		
4101-0226A-FO	6/16/2009	Uranium 233/234	2	14.5	0.24	0.13	J		
4101-0226A-FO	6/16/2009	Uranium 235	3.2		0.09	0.31	U		
4101-0226A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0	0.073	U		
4101-0226A-FO	6/16/2009	Uranium 238	2.2	4.2	0.51	1.5	U		
4101-0226A-FO	6/16/2009	Uranium 238	2.2	4.2	0.53	0.11	J		
4101-0227A-FO	6/16/2009	Actinium 227	4.6	13.61	-0.31	0.78	U		
4101-0227A-FO	6/16/2009	Actinium 228	1.93	5.8	0.81	0.34			
4101-0227A-FO	6/16/2009	Americium 241	63	189	0.03	0.21	U		
4101-0227A-FO	6/16/2009	Bismuth-207	1.2	3.6	-0.016	0.093	U		
4101-0227A-FO	6/16/2009	Bismuth-210M	8.3	24.9	0.017	0.11	U		
4101-0227A-FO	6/16/2009	Cesium 137	3.8	10.62	0.019	0.083	U		
4101-0227A-FO	6/16/2009	Cobalt 60	0.7	2.1	0	0.058	U		
4101-0227A-FO	6/16/2009	Lead 210	7.4	19.8	0.3	2.9	U		
4101-0227A-FO	6/16/2009	Lead 212	16.6	49.8	0.79	0.16			
4101-0227A-FO	6/16/2009	Lead 214	8.92	26.8	0.75	0.15			
4101-0227A-FO	6/16/2009	Plutonium 238	55	165.1	1.26	0.08			
4101-0227A-FO	6/16/2009	Plutonium 239/40	62	181	-0.01	0.099	U		
4101-0227A-FO	6/16/2009	Protactinium 231	4	11.81	-0.3	2.2	U		
4101-0227A-FO	6/16/2009	Radium (226)	2.9	4.7	0.53	0.18			
4101-0227A-FO	6/16/2009	Thorium 228	2.6	4.8	0.93	0.14	J		
4101-0227A-FO	6/16/2009	Thorium 229	5.06	15.2	0	1.3	U		
4101-0227A-FO	6/16/2009	Thorium 230	2.8	4.6	0.87	0.1	J		
4101-0227A-FO	6/16/2009	Thorium 232	2.1	3.5	0.9	0.1	J		
4101-0227A-FO	6/16/2009	Uranium 233/234	2	14.5	0.62	0.13	J		
4101-0227A-FO	6/16/2009	Uranium 235	3.2		-0.1	0.6	U		
4101-0227A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0.044	0.13	U		
4101-0227A-FO	6/16/2009	Uranium 238	2.2	4.2	1.2	2.1	U		
4101-0227A-FO	6/16/2009	Uranium 238	2.2	4.2	0.55	0.12	J		
4101-0228A-FO	6/16/2009	Actinium 227	4.6	13.61	0	1.1	U		
4101-0228A-FO	6/16/2009	Actinium 228	1.93	5.8	0.78	0.21			
4101-0228A-FO	6/16/2009	Americium 241	63	189	0.03	0.19	U		
4101-0228A-FO	6/16/2009	Bismuth-207	1.2	3.6	0	0.096	U		
4101-0228A-FO	6/16/2009	Bismuth-210M	8.3	24.9	0	0.11	U		
4101-0228A-FO	6/16/2009	Cesium 137	3.8	10.62	0.016	0.097	U		
4101-0228A-FO	6/16/2009	Cobalt 60	0.7	2.1	-0.03	0.12	U		
4101-0228A-FO	6/16/2009	Lead 210	7.4	19.8	0.4	2.3	U		
4101-0228A-FO	6/16/2009	Lead 212	16.6	49.8	0.54	0.1			
4101-0228A-FO	6/16/2009	Lead 214	8.92	26.8	0.83	0.09			
4101-0228A-FO	6/16/2009	Plutonium 238	55	165.1	0.7	0.12			
4101-0228A-FO	6/16/2009	Plutonium 239/40	62	181	-0.009	0.13	U		
4101-0228A-FO	6/16/2009	Protactinium 231	4	11.81	-0.08	1.7	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag		Greater than CO
4101-0228A-FO	6/16/2009	Radium (226)	2.9	4.7	0.54	0.15			
4101-0228A-FO	6/16/2009	Thorium 228	2.6	4.8	0.95	0.15	J		
4101-0228A-FO	6/16/2009	Thorium 229	5.06	15.2	0.38	0.98	U		
4101-0228A-FO	6/16/2009	Thorium 230	2.8	4.6	1.3	0.13	J		
4101-0228A-FO	6/16/2009	Thorium 232	2.1	3.5	0.8	0.11	J		
4101-0228A-FO	6/16/2009	Uranium 233/234	2	14.5	0.85	0.13	J		
4101-0228A-FO	6/16/2009	Uranium 235	3.2		0.1	0.3	U		
4101-0228A-FO	6/16/2009	Uranium 235/236	3.1	9.29	-0.016	0.15	U		
4101-0228A-FO	6/16/2009	Uranium 238	2.2	4.2	0.7	1.8	U		
4101-0228A-FO	6/16/2009	Uranium 238	2.2	4.2	0.58	0.11	J		
4101-0229A-FO	6/16/2009	Actinium 227	4.6	13.61	-0.3	0.57	U		
4101-0229A-FO	6/16/2009	Actinium 228	1.93	5.8	0.77	0.09			
4101-0229A-FO	6/16/2009	Americium 241	63	189	0.004	0.18	U		
4101-0229A-FO	6/16/2009	Bismuth-207	1.2	3.6	-0.009	0.071	U		
4101-0229A-FO	6/16/2009	Bismuth-210M	8.3	24.9	0.005	0.061	U		
4101-0229A-FO	6/16/2009	Cesium 137	3.8	10.62	0.012	0.07	U		
4101-0229A-FO	6/16/2009	Cobalt 60	0.7	2.1	-0.002	0.093	U		
4101-0229A-FO	6/16/2009	Lead 210	7.4	19.8	0.2	2.2	U		
4101-0229A-FO	6/16/2009	Lead 212	16.6	49.8	0.59	0.12			
4101-0229A-FO	6/16/2009	Lead 214	8.92	26.8	0.72	0.1			
4101-0229A-FO	6/16/2009	Plutonium 238	55	165.1	6.87	0.09			
4101-0229A-FO	6/16/2009	Plutonium 239/40	62	181	0.009	0.11	U		
4101-0229A-FO	6/16/2009	Protactinium 231	4	11.81	0.46	1.4	U		
4101-0229A-FO	6/16/2009	Radium (226)	2.9	4.7	0.72	0.09			
4101-0229A-FO	6/16/2009	Thorium 228	2.6	4.8	0.64	0.17	J		
4101-0229A-FO	6/16/2009	Thorium 229	5.06	15.2	0.28	0.77	U		
4101-0229A-FO	6/16/2009	Thorium 230	2.8	4.6	1	0.15	J		
4101-0229A-FO	6/16/2009	Thorium 232	2.1	3.5	0.74	0.12	J		
4101-0229A-FO	6/16/2009	Uranium 233/234	2	14.5	0.66	0.14	J		
4101-0229A-FO	6/16/2009	Uranium 235	3.2		0.02	0.35	U		
4101-0229A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0.12	0.1	J		
4101-0229A-FO	6/16/2009	Uranium 238	2.2	4.2	0.8	1.5	U		
4101-0229A-FO	6/16/2009	Uranium 238	2.2	4.2	0.75	0.12	J		
4101-0230A-FO	6/16/2009	Actinium 227	4.6	13.61	0.09	1.1	U		
4101-0230A-FO	6/16/2009	Actinium 228	1.93	5.8	1.14	0.17			
4101-0230A-FO	6/16/2009	Americium 241	63	189	0.001	0.16	U		
4101-0230A-FO	6/16/2009	Bismuth-207	1.2	3.6	-0.012	0.06	U		
4101-0230A-FO	6/16/2009	Bismuth-210M	8.3	24.9	-0.016	0.085	U		
4101-0230A-FO	6/16/2009	Cesium 137	3.8	10.62	0.013	0.068	U		
4101-0230A-FO	6/16/2009	Cobalt 60	0.7	2.1	-0.013	0.084	U		
4101-0230A-FO	6/16/2009	Lead 210	7.4	19.8	0.7	2.1	U		
4101-0230A-FO	6/16/2009	Lead 212	16.6	49.8	0.9	0.11			
4101-0230A-FO	6/16/2009	Lead 214	8.92	26.8	1.21	0.1			
4101-0230A-FO	6/16/2009	Plutonium 238	55	165.1	0.31	0.16			
4101-0230A-FO	6/16/2009	Plutonium 239/40	62	181	-0.019	0.12	U		
4101-0230A-FO	6/16/2009	Protactinium 231	4	11.81	0.1	1.7	U		
4101-0230A-FO	6/16/2009	Radium (226)	2.9	4.7	1.23	0.11			
4101-0230A-FO	6/16/2009	Thorium 228	2.6	4.8	0.7	0.18	J		
4101-0230A-FO	6/16/2009	Thorium 229	5.06	15.2	-0.04	0.9	U		
4101-0230A-FO	6/16/2009	Thorium 230	2.8	4.6	1.34	0.12	J		
4101-0230A-FO	6/16/2009	Thorium 232	2.1	3.5	0.93	0.11	J		
4101-0230A-FO	6/16/2009	Uranium 233/234	2	14.5	0.76	0.14	J		
4101-0230A-FO	6/16/2009	Uranium 235	3.2		0.14	0.37	U		
4101-0230A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0.076	0.11	U		
4101-0230A-FO	6/16/2009	Uranium 238	2.2	4.2	1.1	1.5	U		
4101-0230A-FO	6/16/2009	Uranium 238	2.2	4.2	0.95	0.13	J		
4101-0231A-FO	6/16/2009	Actinium 227	4.6	13.61	0	1.3	U		
4101-0231A-FO	6/16/2009	Actinium 228	1.93	5.8	1.09	0.12			
4101-0231A-FO	6/16/2009	Americium 241	63	189	0.0149	0.17	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag		Greater than CO
4101-0231A-FO	6/16/2009	Bismuth-207	1.2	3.6	0.034	0.069	U		
4101-0231A-FO	6/16/2009	Bismuth-210M	8.3	24.9	-5E-05	0.086	U		
4101-0231A-FO	6/16/2009	Cesium 137	3.8	10.62	0.016	0.093	U		
4101-0231A-FO	6/16/2009	Cobalt 60	0.7	2.1	0.0002	0.13	U		
4101-0231A-FO	6/16/2009	Lead 210	7.4	19.8	1	2.4	U		
4101-0231A-FO	6/16/2009	Lead 212	16.6	49.8	0.7	0.13			
4101-0231A-FO	6/16/2009	Lead 214	8.92	26.8	0.94	0.09			
4101-0231A-FO	6/16/2009	Plutonium 238	55	165.1	0.39	0.15			
4101-0231A-FO	6/16/2009	Plutonium 239/40	62	181	-0.018	0.12	U		
4101-0231A-FO	6/16/2009	Protactinium 231	4	11.81	-0.2	1.8	U		
4101-0231A-FO	6/16/2009	Radium (226)	2.9	4.7	0.74	0.14			
4101-0231A-FO	6/16/2009	Thorium 228	2.6	4.8	0.97	0.18	J		
4101-0231A-FO	6/16/2009	Thorium 229	5.06	15.2	0.35	0.83	U		
4101-0231A-FO	6/16/2009	Thorium 230	2.8	4.6	1.4	0.11	J		
4101-0231A-FO	6/16/2009	Thorium 232	2.1	3.5	0.77	0.1	J		
4101-0231A-FO	6/16/2009	Uranium 233/234	2	14.5	0.79	0.12	J		
4101-0231A-FO	6/16/2009	Uranium 235	3.2		-0.14	0.43	U		
4101-0231A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0.049	0.12	U		
4101-0231A-FO	6/16/2009	Uranium 238	2.2	4.2	0.4	1.9	U		
4101-0231A-FO	6/16/2009	Uranium 238	2.2	4.2	0.92	0.12	J		
4101-0232A-FO	6/16/2009	Actinium 227	4.6	13.61	0.12	1.1	U		
4101-0232A-FO	6/16/2009	Actinium 228	1.93	5.8	0.9	0.19			
4101-0232A-FO	6/16/2009	Americium 241	63	189	0.024	0.17	U		
4101-0232A-FO	6/16/2009	Bismuth-207	1.2	3.6	-0.011	0.062	U		
4101-0232A-FO	6/16/2009	Bismuth-210M	8.3	24.9	0.023	0.085	U		
4101-0232A-FO	6/16/2009	Cesium 137	3.8	10.62	0.041	0.077	U		
4101-0232A-FO	6/16/2009	Cobalt 60	0.7	2.1	-5E-04	0.098	U		
4101-0232A-FO	6/16/2009	Lead 210	7.4	19.8	0.7	2.3	U		
4101-0232A-FO	6/16/2009	Lead 212	16.6	49.8	0.73	0.11			
4101-0232A-FO	6/16/2009	Lead 214	8.92	26.8	0.82	0.11			
4101-0232A-FO	6/16/2009	Plutonium 238	55	165.1	0.006	0.15	U		
4101-0232A-FO	6/16/2009	Plutonium 239/40	62	181	-0.034	0.15	U		
4101-0232A-FO	6/16/2009	Protactinium 231	4	11.81	0	1.9	U		
4101-0232A-FO	6/16/2009	Radium (226)	2.9	4.7	0.71	0.13			
4101-0232A-FO	6/16/2009	Thorium 228	2.6	4.8	0.94	0.2	J		
4101-0232A-FO	6/16/2009	Thorium 229	5.06	15.2	0.08	0.91	U		
4101-0232A-FO	6/16/2009	Thorium 230	2.8	4.6	1.18	0.13	J		
4101-0232A-FO	6/16/2009	Thorium 232	2.1	3.5	0.73	0.12	J		
4101-0232A-FO	6/16/2009	Uranium 233/234	2	14.5	0.71	0.14	J		
4101-0232A-FO	6/16/2009	Uranium 235	3.2		0.06	0.38	U		
4101-0232A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0.026	0.071	U		
4101-0232A-FO	6/16/2009	Uranium 238	2.2	4.2	0.37	1.7	U		
4101-0232A-FO	6/16/2009	Uranium 238	2.2	4.2	0.7	0.13	J		
4101-0233A-FO	6/16/2009	Actinium 227	4.6	13.61	-0.1	1.8	U		
4101-0233A-FO	6/16/2009	Actinium 228	1.93	5.8	1.14	0.32			
4101-0233A-FO	6/16/2009	Americium 241	63	189	-0.05	0.25	U		
4101-0233A-FO	6/16/2009	Bismuth-207	1.2	3.6	0.002	0.061	U		
4101-0233A-FO	6/16/2009	Bismuth-210M	8.3	24.9	0.013	0.13	U		
4101-0233A-FO	6/16/2009	Cesium 137	3.8	10.62	0.016	0.11	U		
4101-0233A-FO	6/16/2009	Cobalt 60	0.7	2.1	0.009	0.14	U		
4101-0233A-FO	6/16/2009	Lead 210	7.4	19.8	-0.007	3.6	U		
4101-0233A-FO	6/16/2009	Lead 212	16.6	49.8	1.25	0.16			
4101-0233A-FO	6/16/2009	Lead 214	8.92	26.8	1.45	0.16			
4101-0233A-FO	6/16/2009	Plutonium 238	55	165.1	0.022	0.15	U		
4101-0233A-FO	6/16/2009	Plutonium 239/40	62	181	0.028	0.11	U		
4101-0233A-FO	6/16/2009	Protactinium 231	4	11.81	0.4	2.3	U		
4101-0233A-FO	6/16/2009	Radium (226)	2.9	4.7	1.14	0.16			
4101-0233A-FO	6/16/2009	Thorium 228	2.6	4.8	1.1	0.19	J		
4101-0233A-FO	6/16/2009	Thorium 229	5.06	15.2	0.37	1.3	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag		Greater than CO
4101-0233A-FO	6/16/2009	Thorium 230	2.8	4.6	1.66	0.13	J		
4101-0233A-FO	6/16/2009	Thorium 232	2.1	3.5	1.28	0.11	J		
4101-0233A-FO	6/16/2009	Uranium 233/234	2	14.5	0.79	0.15	J		
4101-0233A-FO	6/16/2009	Uranium 235	3.2		0.12	0.49	U		
4101-0233A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0.043	0.13	U		
4101-0233A-FO	6/16/2009	Uranium 238	2.2	4.2	1.1	2.6	U		
4101-0233A-FO	6/16/2009	Uranium 238	2.2	4.2	0.69	0.14	J		
4101-0234A-FO	6/16/2009	Actinium 227	4.6	13.61	-0.28	0.59	U		
4101-0234A-FO	6/16/2009	Actinium 228	1.93	5.8	0.19	0.17			
4101-0234A-FO	6/16/2009	Americium 241	63	189	-0.043	0.15	U		
4101-0234A-FO	6/16/2009	Bismuth-207	1.2	3.6	-0.001	0.056	U		
4101-0234A-FO	6/16/2009	Bismuth-210M	8.3	24.9	-0.017	0.085	U		
4101-0234A-FO	6/16/2009	Cesium 137	3.8	10.62	0.007	0.069	U		
4101-0234A-FO	6/16/2009	Cobalt 60	0.7	2.1	0	0.082	U		
4101-0234A-FO	6/16/2009	Lead 210	7.4	19.8	1.2	1.7	U		
4101-0234A-FO	6/16/2009	Lead 212	16.6	49.8	0.325	0.089			
4101-0234A-FO	6/16/2009	Lead 214	8.92	26.8	0.54	0.12			
4101-0234A-FO	6/16/2009	Plutonium 238	55	165.1	0.74	0.17			
4101-0234A-FO	6/16/2009	Plutonium 239/40	62	181	0.005	0.12	U		
4101-0234A-FO	6/16/2009	Protactinium 231	4	11.81	0.55	1.3	U		
4101-0234A-FO	6/16/2009	Radium (226)	2.9	4.7	0.38	0.14			
4101-0234A-FO	6/16/2009	Thorium 228	2.6	4.8	0.36	0.13	J		
4101-0234A-FO	6/16/2009	Thorium 229	5.06	15.2	0.13	0.8	U		
4101-0234A-FO	6/16/2009	Thorium 230	2.8	4.6	0.76	0.14	J		
4101-0234A-FO	6/16/2009	Thorium 232	2.1	3.5	0.22	0.11	J		
4101-0234A-FO	6/16/2009	Uranium 233/234	2	14.5	0.31	0.12	J		
4101-0234A-FO	6/16/2009	Uranium 235	3.2		0.02	0.32	U		
4101-0234A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0	0.068	U		
4101-0234A-FO	6/16/2009	Uranium 238	2.2	4.2	0.97	1.3	U		
4101-0234A-FO	6/16/2009	Uranium 238	2.2	4.2	0.39	0.14	J		
4101-0235A-FO	6/16/2009	Actinium 227	4.6	13.61	-0.32	0.6	U		
4101-0235A-FO	6/16/2009	Actinium 228	1.93	5.8	0.61	0.13			
4101-0235A-FO	6/16/2009	Americium 241	63	189	0.002	0.11	U		
4101-0235A-FO	6/16/2009	Bismuth-207	1.2	3.6	-0.001	0.061	U		
4101-0235A-FO	6/16/2009	Bismuth-210M	8.3	24.9	-0.001	0.088	U		
4101-0235A-FO	6/16/2009	Cesium 137	3.8	10.62	0.023	0.097	U		
4101-0235A-FO	6/16/2009	Cobalt 60	0.7	2.1	0	0.05	U		
4101-0235A-FO	6/16/2009	Lead 210	7.4	19.8	0.2	2	U		
4101-0235A-FO	6/16/2009	Lead 212	16.6	49.8	0.38	0.13			
4101-0235A-FO	6/16/2009	Lead 214	8.92	26.8	0.57	0.12			
4101-0235A-FO	6/16/2009	Plutonium 238	55	165.1	0.08	0.16	U		
4101-0235A-FO	6/16/2009	Plutonium 239/40	62	181	-0.016	0.12	U		
4101-0235A-FO	6/16/2009	Protactinium 231	4	11.81	0.06	1.7	U		
4101-0235A-FO	6/16/2009	Radium (226)	2.9	4.7	0.56	0.12			
4101-0235A-FO	6/16/2009	Thorium 228	2.6	4.8	0.23	0.1	J		
4101-0235A-FO	6/16/2009	Thorium 229	5.06	15.2	-0.03	0.99	U		
4101-0235A-FO	6/16/2009	Thorium 230	2.8	4.6	1.02	0.14	J		
4101-0235A-FO	6/16/2009	Thorium 232	2.1	3.5	0.36	0.05	J		
4101-0235A-FO	6/16/2009	Uranium 233/234	2	14.5	0.41	0.16	J		
4101-0235A-FO	6/16/2009	Uranium 235	3.2		0.06	0.4	U		
4101-0235A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0.053	0.12	U		
4101-0235A-FO	6/16/2009	Uranium 238	2.2	4.2	0.52	1.6	U		
4101-0235A-FO	6/16/2009	Uranium 238	2.2	4.2	0.44	0.14	J		
4101-0236A-FO	6/16/2009	Actinium 227	4.6	13.61	-0.02	1.2	U		
4101-0236A-FO	6/16/2009	Actinium 228	1.93	5.8	0.69	0.13			
4101-0236A-FO	6/16/2009	Americium 241	63	189	0.074	0.16	U		
4101-0236A-FO	6/16/2009	Bismuth-207	1.2	3.6	0.013	0.068	U		
4101-0236A-FO	6/16/2009	Bismuth-210M	8.3	24.9	0.009	0.08	U		
4101-0236A-FO	6/16/2009	Cesium 137	3.8	10.62	0.12	0.064	J		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag		Greater than CO
4101-0236A-FO	6/16/2009	Cobalt 60	0.7	2.1	-0.03	0.1	U		
4101-0236A-FO	6/16/2009	Lead 210	7.4	19.8	0.4	2.5	U		
4101-0236A-FO	6/16/2009	Lead 212	16.6	49.8	0.58	0.1			
4101-0236A-FO	6/16/2009	Lead 214	8.92	26.8	0.74	0.14			
4101-0236A-FO	6/16/2009	Plutonium 238	55	165.1	3.8	0.18			
4101-0236A-FO	6/16/2009	Plutonium 239/40	62	181	0.028	0.13	U		
4101-0236A-FO	6/16/2009	Protactinium 231	4	11.81	-0.3	2.1	U		
4101-0236A-FO	6/16/2009	Radium (226)	2.9	4.7	0.63	0.14			
4101-0236A-FO	6/16/2009	Thorium 228	2.6	4.8	0.65	0.12	J		
4101-0236A-FO	6/16/2009	Thorium 229	5.06	15.2	0.04	0.94	U		
4101-0236A-FO	6/16/2009	Thorium 230	2.8	4.6	0.67	0.13	J		
4101-0236A-FO	6/16/2009	Thorium 232	2.1	3.5	0.58	0.07	J		
4101-0236A-FO	6/16/2009	Uranium 233/234	2	14.5	0.46	0.24	J		
4101-0236A-FO	6/16/2009	Uranium 235	3.2		-0.01	0.39	U		
4101-0236A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0.044	0.13	U		
4101-0236A-FO	6/16/2009	Uranium 238	2.2	4.2	1.3	1.5	U		
4101-0236A-FO	6/16/2009	Uranium 238	2.2	4.2	0.55	0.15	J		
4101-0237A-FO	6/16/2009	Actinium 227	4.6	13.61	-0.06	1.4	U		
4101-0237A-FO	6/16/2009	Actinium 228	1.93	5.8	1.16	0.34			
4101-0237A-FO	6/16/2009	Americium 241	63	189	0.07	0.2	U		
4101-0237A-FO	6/16/2009	Bismuth-207	1.2	3.6	0.023	0.083	U		
4101-0237A-FO	6/16/2009	Bismuth-210M	8.3	24.9	0.013	0.11	U		
4101-0237A-FO	6/16/2009	Cesium 137	3.8	10.62	-0.008	0.088	U		
4101-0237A-FO	6/16/2009	Cobalt 60	0.7	2.1	0.022	0.099	U		
4101-0237A-FO	6/16/2009	Lead 210	7.4	19.8	0.7	2.8	U		
4101-0237A-FO	6/16/2009	Lead 212	16.6	49.8	1.34	0.15			
4101-0237A-FO	6/16/2009	Lead 214	8.92	26.8	0.92	0.18			
4101-0237A-FO	6/16/2009	Plutonium 238	55	165.1	0.31	0.11			
4101-0237A-FO	6/16/2009	Plutonium 239/40	62	181	-0.014	0.11	U		
4101-0237A-FO	6/16/2009	Protactinium 231	4	11.81	-0.7	2.3	U		
4101-0237A-FO	6/16/2009	Radium (226)	2.9	4.7	0.87	0.2			
4101-0237A-FO	6/16/2009	Thorium 228	2.6	4.8	1.28	0.2	J		
4101-0237A-FO	6/16/2009	Thorium 229	5.06	15.2	-0.009	1.1	U		
4101-0237A-FO	6/16/2009	Thorium 230	2.8	4.6	1.45	0.14	J		
4101-0237A-FO	6/16/2009	Thorium 232	2.1	3.5	1.21	0.1	J		
4101-0237A-FO	6/16/2009	Uranium 233/234	2	14.5	0.66	0.18	J		
4101-0237A-FO	6/16/2009	Uranium 235	3.2		0.07	0.35	U		
4101-0237A-FO	6/16/2009	Uranium 235/236	3.1	9.29	0.11	0.18	U		
4101-0237A-FO	6/16/2009	Uranium 238	2.2	4.2	1.1	2.1	U		
4101-0237A-FO	6/16/2009	Uranium 238	2.2	4.2	0.86	0.18	J		
4101-0238A-FO	6/16/2009	Actinium 227	4.6	13.61	-0.06	1.2	U		
4101-0238A-FO	6/16/2009	Actinium 228	1.93	5.8	0.36	0.34			
4101-0238A-FO	6/16/2009	Americium 241	63	189	0.001	0.16	U		
4101-0238A-FO	6/16/2009	Bismuth-207	1.2	3.6	3E-05	0.06	U		
4101-0238A-FO	6/16/2009	Bismuth-210M	8.3	24.9	0.008	0.09	U		
4101-0238A-FO	6/16/2009	Cesium 137	3.8	10.62	0.028	0.09	U		
4101-0238A-FO	6/16/2009	Cobalt 60	0.7	2.1	-0.02	0.12	U		
4101-0238A-FO	6/16/2009	Lead 210	7.4	19.8	0.6	2.2	U		
4101-0238A-FO	6/16/2009	Lead 212	16.6	49.8	0.68	0.14			
4101-0238A-FO	6/16/2009	Lead 214	8.92	26.8	0.76	0.1			
4101-0238A-FO	6/16/2009	Plutonium 238	55	165.1	0.49	0.13			
4101-0238A-FO	6/16/2009	Plutonium 239/40	62	181	0.016	0.12	U		
4101-0238A-FO	6/16/2009	Protactinium 231	4	11.81	0.2	1.8	U		
4101-0238A-FO	6/16/2009	Radium (226)	2.9	4.7	0.84	0.08			
4101-0238A-FO	6/16/2009	Thorium 228	2.6	4.8	0.84	0.2	J		
4101-0238A-FO	6/16/2009	Thorium 229	5.06	15.2	-0.33	0.97	U		
4101-0238A-FO	6/16/2009	Thorium 230	2.8	4.6	0.98	0.13	J		
4101-0238A-FO	6/16/2009	Thorium 232	2.1	3.5	0.68	0.09	J		
4101-0238A-FO	6/16/2009	Uranium 233/234	2	14.5	0.57	0.11	J		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag		Greater than CO
4101-0238A-FO	6/16/2009	Uranium 235	3.2		0.09	0.33	U		
4101-0238A-FO	6/16/2009	Uranium 235/236	3.1	9.29	-0.016	0.15	U		
4101-0238A-FO	6/16/2009	Uranium 238	2.2	4.2	0.06	1.7	U		
4101-0238A-FO	6/16/2009	Uranium 238	2.2	4.2	0.78	0.13	J		
CO	Cleanup Objective								
HS	Hot Spot Criteria								
MDL	Minimum Detectable Limit								
A-FO	Final Status Original								
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit								
J	Result is greater than sample detection limit; but less than stated reporting limit								

Sample ID	Date Sampled	Analyte	Bkgd pCi/g	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag		Greater than CO
441-0033	8/25/2008	Actinium-227	0.11	4.60	13.61	0.12	0.28	U		
441-0033	8/25/2008	Americium-241	ND	63.00	189.00	0.23	0.07			
441-0033	8/25/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.05	U		
441-0033	8/25/2008	Cesium-137	0.42	3.80	10.62	0.07	0.05			
441-0033	8/25/2008	Cobalt-60	NC	0.70	2.10	0.00	0.05	U		
441-0033	8/25/2008	Lead-210	1.20	7.40	19.80	0.33	0.61	U		
441-0033	8/25/2008	Plutonium-238	0.13	55.00	165.13	24.30	7.71			
441-0033	8/25/2008	Protactinium-231	0.11	4.00	11.81	0.00	1.49	U		
441-0033	8/25/2008	Radium-226	2.00	2.90	4.70	0.58	0.10			
441-0033	8/25/2008	Thorium-230	1.90	2.80	4.60	3.19	6.13	U		
441-0033	8/25/2008	Thorium-232	1.40	2.10	3.50	0.75	0.17			
441-0033	8/25/2008	Uranium-238	1.20	2.20	4.20	0.75	0.40			
441-0034	8/25/2008	Actinium-227	0.11	4.60	13.61	0.00	0.33	U		
441-0034	8/25/2008	Americium-241	ND	63.00	189.00	0.01	0.08	U		
441-0034	8/25/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.05	U		
441-0034	8/25/2008	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
441-0034	8/25/2008	Cobalt-60	NC	0.70	2.10	0.01	0.06	U		
441-0034	8/25/2008	Lead-210	1.20	7.40	19.80	1.37	0.65			
441-0034	8/25/2008	Plutonium-238	0.13	55.00	165.13	0.00	7.78	U		
441-0034	8/25/2008	Protactinium-231	0.11	4.00	11.81	0.00	1.86	U		
441-0034	8/25/2008	Radium-226	2.00	2.90	4.70	0.78	0.14			
441-0034	8/25/2008	Thorium-230	1.90	2.80	4.60	2.39	7.38	U		
441-0034	8/25/2008	Thorium-232	1.40	2.10	3.50	0.56	0.18			
441-0034	8/25/2008	Uranium-238	1.20	2.20	4.20	0.99	0.44			
441-0035	8/25/2008	Actinium-227	0.11	4.60	13.61	0.11	0.32	U		
441-0035	8/25/2008	Americium-241	ND	63.00	189.00	0.01	0.08	U		
441-0035	8/25/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.06	U		
441-0035	8/25/2008	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
441-0035	8/25/2008	Cobalt-60	NC	0.70	2.10	0.05	0.01			
441-0035	8/25/2008	Lead-210	1.20	7.40	19.80	0.44	0.77	U		
441-0035	8/25/2008	Plutonium-238	0.13	55.00	165.13	0.00	7.41	U		
441-0035	8/25/2008	Protactinium-231	0.11	4.00	11.81	0.15	1.74	U		
441-0035	8/25/2008	Radium-226	2.00	2.90	4.70	0.82	0.13			
441-0035	8/25/2008	Thorium-230	1.90	2.80	4.60	0.35	7.36	U		
441-0035	8/25/2008	Thorium-232	1.40	2.10	3.50	0.75	0.22			
441-0035	8/25/2008	Uranium-238	1.20	2.20	4.20	0.81	0.47			
441-0071	10/13/2008	Actinium-227	0.11	4.60	13.61	0.05	0.11	U		
441-0071	10/13/2008	Americium-241	ND	63.00	189.00	0.00	0.03	U		
441-0071	10/13/2008	Bismuth-210M	ND	8.30	24.90	0.01	0.02	U		
441-0071	10/13/2008	Cesium-137	0.42	3.80	10.62	0.00	0.02	U		
441-0071	10/13/2008	Cobalt-60	NC	0.70	2.10	0.00	0.02	U		
441-0071	10/13/2008	Lead-210	1.20	7.40	19.80	0.79	0.30			
441-0071	10/13/2008	Plutonium-238	0.13	55.00	165.13	0.19	2.42	U		
441-0071	10/13/2008	Protactinium-231	0.11	4.00	11.81	0.00	0.60	U		
441-0071	10/13/2008	Radium-226	2.00	2.90	4.70	0.86	0.05			
441-0071	10/13/2008	Thorium-230	1.90	2.80	4.60	0.48	2.49	U		
441-0071	10/13/2008	Thorium-232	1.40	2.10	3.50	0.58	0.06			
441-0071	10/13/2008	Uranium-238	1.20	2.20	4.20	0.99	0.14			
441-0072	10/13/2008	Actinium-227	0.11	4.60	13.61	0.27	0.35	U		
441-0072	10/13/2008	Americium-241	ND	63.00	189.00	0.00	0.09	U		
441-0072	10/13/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.07	U		
441-0072	10/13/2008	Cesium-137	0.42	3.80	10.62	0.00	0.06	U		
441-0072	10/13/2008	Cobalt-60	NC	0.70	2.10	0.00	0.07	U		
441-0072	10/13/2008	Lead-210	1.20	7.40	19.80	0.62	0.91	U		
441-0072	10/13/2008	Plutonium-238	0.13	55.00	165.13	0.00	8.95	U		
441-0072	10/13/2008	Protactinium-231	0.11	4.00	11.81	0.50	1.98	U		
441-0072	10/13/2008	Radium-226	2.00	2.90	4.70	0.99	0.16			
441-0072	10/13/2008	Thorium-230	1.90	2.80	4.60	0.00	8.64	U		
441-0072	10/13/2008	Thorium-232	1.40	2.10	3.50	0.72	0.23			
441-0072	10/13/2008	Uranium-238	1.20	2.20	4.20	0.63	0.53			
441-0081	10/28/2008	Actinium-227	0.11	4.60	13.61	0.00	0.31	U		
441-0081	10/28/2008	Americium-241	ND	63.00	189.00	0.04	0.07	U		
441-0081	10/28/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.05	U		
441-0081	10/28/2008	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
441-0081	10/28/2008	Cobalt-60	NC	0.70	2.10	0.03	0.05	U		
441-0081	10/28/2008	Lead-210	1.20	7.40	19.80	0.61	0.62	U		
441-0081	10/28/2008	Plutonium-238	0.13	55.00	165.13	2.88	6.08	U		
441-0081	10/28/2008	Protactinium-231	0.11	4.00	11.81	0.64	1.38	U		

Sample ID	Date Sampled	Analyte	Bkgd pCi/g	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag		Greater than CO
441-0081	10/28/2008	Radium-226	2.00	2.90	4.70	0.59	0.11			
441-0081	10/28/2008	Thorium-230	1.90	2.80	4.60	0.00	6.66	U		
441-0081	10/28/2008	Thorium-232	1.40	2.10	3.50	0.32	0.21			
441-0081	10/28/2008	Uranium-238	1.20	2.20	4.20	0.57	0.41			
441-0082	10/28/2008	Actinium-227	0.11	4.60	13.61	0.00	0.37	U		
441-0082	10/28/2008	Americium-241	ND	63.00	189.00	0.00	0.09	U		
441-0082	10/28/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.06	U		
441-0082	10/28/2008	Cesium-137	0.42	3.80	10.62	0.02	0.05	U		
441-0082	10/28/2008	Cobalt-60	NC	0.70	2.10	0.01	0.08	U		
441-0082	10/28/2008	Lead-210	1.20	7.40	19.80	0.57	0.81	U		
441-0082	10/28/2008	Plutonium-238	0.13	55.00	165.13	9.39	7.53			
441-0082	10/28/2008	Protactinium-231	0.11	4.00	11.81	0.91	1.87	U		
441-0082	10/28/2008	Radium-226	2.00	2.90	4.70	0.67	0.13			
441-0082	10/28/2008	Thorium-230	1.90	2.80	4.60	0.93	7.92	U		
441-0082	10/28/2008	Thorium-232	1.40	2.10	3.50	0.83	0.24			
441-0082	10/28/2008	Uranium-238	1.20	2.20	4.20	0.80	0.50			
441-0083	10/28/2008	Actinium-227	0.11	4.60	13.61	0.00	0.36	U		
441-0083	10/28/2008	Americium-241	ND	63.00	189.00	0.00	0.08	U		
441-0083	10/28/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.06	U		
441-0083	10/28/2008	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
441-0083	10/28/2008	Cobalt-60	NC	0.70	2.10	0.00	0.07	U		
441-0083	10/28/2008	Lead-210	1.20	7.40	19.80	0.82	0.75			
441-0083	10/28/2008	Plutonium-238	0.13	55.00	165.13	0.14	7.48	U		
441-0083	10/28/2008	Protactinium-231	0.11	4.00	11.81	0.00	2.01	U		
441-0083	10/28/2008	Radium-226	2.00	2.90	4.70	0.94	0.09			
441-0083	10/28/2008	Thorium-230	1.90	2.80	4.60	1.43	7.32	U		
441-0083	10/28/2008	Thorium-232	1.40	2.10	3.50	0.70	0.19			
441-0083	10/28/2008	Uranium-238	1.20	2.20	4.20	1.00	0.47			
441-0084	10/28/2008	Actinium-227	0.11	4.60	13.61	0.00	0.35	U		
441-0084	10/28/2008	Americium-241	ND	63.00	189.00	0.00	0.79	U		
441-0084	10/28/2008	Bismuth-210M	ND	8.30	24.90	0.03	0.05	U		
441-0084	10/28/2008	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
441-0084	10/28/2008	Cobalt-60	NC	0.70	2.10	0.02	0.05	U		
441-0084	10/28/2008	Lead-210	1.20	7.40	19.80	0.92	0.74			
441-0084	10/28/2008	Plutonium-238	0.13	55.00	165.13	4.47	6.99	U		
441-0084	10/28/2008	Protactinium-231	0.11	4.00	11.81	0.00	1.64	U		
441-0084	10/28/2008	Radium-226	2.00	2.90	4.70	0.60	0.14			
441-0084	10/28/2008	Thorium-230	1.90	2.80	4.60	0.00	7.38	U		
441-0084	10/28/2008	Thorium-232	1.40	2.10	3.50	0.39	0.26			
441-0084	10/28/2008	Uranium-238	1.20	2.20	4.20	0.62	0.45			
441-0085	10/28/2008	Actinium-227	0.11	4.60	13.61	0.03	0.27	U		
441-0085	10/28/2008	Americium-241	ND	63.00	189.00	0.00	0.07	U		
441-0085	10/28/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.05	U		
441-0085	10/28/2008	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
441-0085	10/28/2008	Cobalt-60	NC	0.70	2.10	0.03	0.05	U		
441-0085	10/28/2008	Lead-210	1.20	7.40	19.80	0.75	0.58			
441-0085	10/28/2008	Plutonium-238	0.13	55.00	165.13	0.00	6.50	U		
441-0085	10/28/2008	Protactinium-231	0.11	4.00	11.81	0.00	1.71	U		
441-0085	10/28/2008	Radium-226	2.00	2.90	4.70	0.46	0.14			
441-0085	10/28/2008	Thorium-230	1.90	2.80	4.60	0.00	6.65	U		
441-0085	10/28/2008	Thorium-232	1.40	2.10	3.50	0.48	0.14			
441-0085	10/28/2008	Uranium-238	1.20	2.20	4.20	0.49	0.41			
441-0086	10/28/2008	Actinium-227	0.11	4.60	13.61	0.16	0.29	U		
441-0086	10/28/2008	Americium-241	ND	63.00	189.00	0.03	0.07	U		
441-0086	10/28/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.05	U		
441-0086	10/28/2008	Cesium-137	0.42	3.80	10.62	0.04	0.05	U		
441-0086	10/28/2008	Cobalt-60	NC	0.70	2.10	0.00	0.06	U		
441-0086	10/28/2008	Lead-210	1.20	7.40	19.80	0.80	0.69			
441-0086	10/28/2008	Plutonium-238	0.13	55.00	165.13	0.00	7.17	U		
441-0086	10/28/2008	Protactinium-231	0.11	4.00	11.81	0.00	1.70	U		
441-0086	10/28/2008	Radium-226	2.00	2.90	4.70	0.67	0.13			
441-0086	10/28/2008	Thorium-230	1.90	2.80	4.60	0.00	7.11	U		
441-0086	10/28/2008	Thorium-232	1.40	2.10	3.50	0.23	0.27	U		
441-0086	10/28/2008	Uranium-238	1.20	2.20	4.20	0.54	0.44			
441-0087	10/28/2008	Actinium-227	0.11	4.60	13.61	0.00	0.30	U		
441-0087	10/28/2008	Americium-241	ND	63.00	189.00	0.00	0.07	U		
441-0087	10/28/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.05	U		
441-0087	10/28/2008	Cesium-137	0.42	3.80	10.62	0.01	0.05	U		

Sample ID	Date Sampled	Analyte	Bkgd pCi/g	CO pCi/g	HS pCi/g	Result pCi/g	MDL pCi/g	Flag		Greater than CO
441-0087	10/28/2008	Cobalt-60	NC	0.70	2.10	0.02	0.04	U		
441-0087	10/28/2008	Lead-210	1.20	7.40	19.80	0.64	0.57			
441-0087	10/28/2008	Plutonium-238	0.13	55.00	165.13	0.00	7.14	U		
441-0087	10/28/2008	Protactinium-231	0.11	4.00	11.81	0.66	1.50	U		
441-0087	10/28/2008	Radium-226	2.00	2.90	4.70	0.47	0.13			
441-0087	10/28/2008	Thorium-230	1.90	2.80	4.60	0.00	6.34	U		
441-0087	10/28/2008	Thorium-232	1.40	2.10	3.50	0.40	0.15			
441-0087	10/28/2008	Uranium-238	1.20	2.20	4.20	0.30	0.43	U		
441-0088	10/28/2008	Actinium-227	0.11	4.60	13.61	0.00	0.32	U		
441-0088	10/28/2008	Americium-241	ND	63.00	189.00	0.00	0.08	U		
441-0088	10/28/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.06	U		
441-0088	10/28/2008	Cesium-137	0.42	3.80	10.62	0.01	0.05	U		
441-0088	10/28/2008	Cobalt-60	NC	0.70	2.10	0.01	0.05	U		
441-0088	10/28/2008	Lead-210	1.20	7.40	19.80	0.22	0.73	U		
441-0088	10/28/2008	Plutonium-238	0.13	55.00	165.13	0.25	7.07	U		
441-0088	10/28/2008	Protactinium-231	0.11	4.00	11.81	0.00	1.97	U		
441-0088	10/28/2008	Radium-226	2.00	2.90	4.70	0.67	0.12			
441-0088	10/28/2008	Thorium-230	1.90	2.80	4.60	0.00	7.30	U		
441-0088	10/28/2008	Thorium-232	1.40	2.10	3.50	0.47	0.25			
441-0088	10/28/2008	Uranium-238	1.20	2.20	4.20	0.47	0.46			
441-0104	10/30/2008	Actinium-227	0.11	4.60	13.61	0.00	0.30	U		
441-0104	10/30/2008	Americium-241	ND	63.00	189.00	0.00	0.07	U		
441-0104	10/30/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.05	U		
441-0104	10/30/2008	Cesium-137	0.42	3.80	10.62	0.02	0.05	U		
441-0104	10/30/2008	Cobalt-60	NC	0.70	2.10	0.00	0.08	U		
441-0104	10/30/2008	Lead-210	1.20	7.40	19.80	0.45	0.66	U		
441-0104	10/30/2008	Plutonium-238	0.13	55.00	165.13	2.97	6.22	U		
441-0104	10/30/2008	Protactinium-231	0.11	4.00	11.81	0.93	1.48	U		
441-0104	10/30/2008	Radium-226	2.00	2.90	4.70	0.72	0.11			
441-0104	10/30/2008	Thorium-230	1.90	2.80	4.60	0.00	6.52	U		
441-0104	10/30/2008	Thorium-232	1.40	2.10	3.50	0.48	0.16			
441-0104	10/30/2008	Uranium-238	1.20	2.20	4.20	0.62	0.43			
441-0106A	12/16/2008	Actinium-227	0.11	4.60	13.61	0.08	0.24	U		
441-0106A	12/16/2008	Americium-241	ND	63.00	189.00	0.54	0.07			
441-0106A	12/16/2008	Bismuth-210M	ND	8.30	24.90	0.00	0.04	U		
441-0106A	12/16/2008	Cesium-137	0.42	3.80	10.62	0.02	0.03	U		
441-0106A	12/16/2008	Cobalt-60	NC	0.70	2.10	0.02	0.03	U		
441-0106A	12/16/2008	Lead-210	1.20	7.40	19.80	0.59	0.52			
441-0106A	12/16/2008	Plutonium-238	0.13	55.00	165.13	43.45	7.86			
441-0106A	12/16/2008	Protactinium-231	0.11	4.00	11.81	0.00	1.38	U		
441-0106A	12/16/2008	Radium-226	2.00	2.90	4.70	0.48	0.10			
441-0106A	12/16/2008	Thorium-230	1.90	2.80	4.60	2.09	4.60	U		
441-0106A	12/16/2008	Thorium-232	1.40	2.10	3.50	0.49	0.12			
441-0106A	12/16/2008	Uranium-238	1.20	2.20	4.20	0.25	0.34	U		
441-0107	10/30/2008	Actinium-227	0.11	4.60	13.61	0.09	0.25	U		
441-0107	10/30/2008	Americium-241	ND	63.00	189.00	0.00	0.06	U		
441-0107	10/30/2008	Bismuth-210M	ND	8.30	24.90	0.02	0.05	U		
441-0107	10/30/2008	Cesium-137	0.42	3.80	10.62	0.01	0.04	U		
441-0107	10/30/2008	Cobalt-60	NC	0.70	2.10	0.00	0.05	U		
441-0107	10/30/2008	Lead-210	1.20	7.40	19.80	0.46	0.56	U		
441-0107	10/30/2008	Plutonium-238	0.13	55.00	165.13	4.50	5.85	U		
441-0107	10/30/2008	Protactinium-231	0.11	4.00	11.81	0.00	1.44	U		
441-0107	10/30/2008	Radium-226	2.00	2.90	4.70	0.41	0.12			
441-0107	10/30/2008	Thorium-230	1.90	2.80	4.60	0.00	5.98	U		
441-0107	10/30/2008	Thorium-232	1.40	2.10	3.50	0.22	0.16			
441-0107	10/30/2008	Uranium-238	1.20	2.20	4.20	0.36	0.36			

CO	Cleanup Objective
HS	Hot Spot Criteria
FLAG: U	Calculated Activity less than or equal to sample Minimum Detectable Limit

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0239A-HO	9/19/2008	Actinium-227	4.60	13.61	0.00	0.28	U		
4102-0239A-HO	9/19/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0239A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4102-0239A-HO	9/19/2008	Cesium-137	3.80	10.62	0.02	0.04	U		
4102-0239A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0239A-HO	9/19/2008	Lead-210	7.40	19.80	0.35	0.58	U		
4102-0239A-HO	9/19/2008	Plutonium-238	55.00	165.13	0.00	6.50	U		
4102-0239A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.00	1.32	U		
4102-0239A-HO	9/19/2008	Radium-226	2.90	4.70	0.48	0.11			
4102-0239A-HO	9/19/2008	Thorium-230	2.80	4.60	0.00	6.31	U		
4102-0239A-HO	9/19/2008	Thorium-232	2.10	3.50	0.31	0.14			
4102-0239A-HO	9/19/2008	Uranium-238	2.20	4.20	0.68	0.34			
4102-0240A-HO	9/19/2008	Actinium-227	4.60	13.61	0.00	0.24	U		
4102-0240A-HO	9/19/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0240A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0240A-HO	9/19/2008	Cesium-137	3.80	10.62	0.01	0.03	U		
4102-0240A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.02	0.03	U		
4102-0240A-HO	9/19/2008	Lead-210	7.40	19.80	0.37	0.52	U		
4102-0240A-HO	9/19/2008	Plutonium-238	55.00	165.13	2.28	4.38	U		
4102-0240A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.05	1.32	U		
4102-0240A-HO	9/19/2008	Radium-226	2.90	4.70	0.58	0.08			
4102-0240A-HO	9/19/2008	Thorium-230	2.80	4.60	2.28	4.88	U		
4102-0240A-HO	9/19/2008	Thorium-232	2.10	3.50	0.06	0.15	U		
4102-0240A-HO	9/19/2008	Uranium-238	2.20	4.20	0.48	0.30			
4102-0241A-HO	9/19/2008	Actinium-227	4.60	13.61	0.10	0.34	U		
4102-0241A-HO	9/19/2008	Americium-241	63.00	189.00	0.08	0.08			
4102-0241A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0241A-HO	9/19/2008	Cesium-137	3.80	10.62	0.04	0.04	U		
4102-0241A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0241A-HO	9/19/2008	Lead-210	7.40	19.80	0.40	0.73	U		
4102-0241A-HO	9/19/2008	Plutonium-238	55.00	165.13	4.84	7.77	U		
4102-0241A-HO	9/19/2008	Protactinium-231	4.00	11.81	1.35	1.63	U		
4102-0241A-HO	9/19/2008	Radium-226	2.90	4.70	0.62	0.15			
4102-0241A-HO	9/19/2008	Thorium-230	2.80	4.60	2.97	7.22	U		
4102-0241A-HO	9/19/2008	Thorium-232	2.10	3.50	0.58	0.15			
4102-0241A-HO	9/19/2008	Uranium-238	2.20	4.20	0.63	0.47			
4102-0242B-HO	10/13/2008	Actinium-227	4.60	13.61	0.02	0.34	U		
4102-0242B-HO	10/13/2008	Americium-241	63.00	189.00	0.03	0.07	U		
4102-0242B-HO	10/13/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0242B-HO	10/13/2008	Cesium-137	3.80	10.62	0.01	0.06	U		
4102-0242B-HO	10/13/2008	Cobalt-60	0.70	2.10	0.00	0.10	U		
4102-0242B-HO	10/13/2008	Lead-210	7.40	19.80	0.84	0.69			
4102-0242B-HO	10/13/2008	Plutonium-238	55.00	165.13	0.00	7.55	U		
4102-0242B-HO	10/13/2008	Protactinium-231	4.00	11.81	0.26	1.71	U		
4102-0242B-HO	10/13/2008	Radium-226	2.90	4.70	0.52	0.16			
4102-0242B-HO	10/13/2008	Thorium-230	2.80	4.60	3.65	7.04	U		
4102-0242B-HO	10/13/2008	Thorium-232	2.10	3.50	0.72	0.18			
4102-0242B-HO	10/13/2008	Uranium-238	2.20	4.20	0.33	0.51	U		
4102-0243A-HO	9/19/2008	Actinium-227	4.60	13.61	0.00	0.34	U		
4102-0243A-HO	9/19/2008	Americium-241	63.00	189.00	0.08	0.69	U		
4102-0243A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.03	0.05	U		
4102-0243A-HO	9/19/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0243A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.04	0.04	U		
4102-0243A-HO	9/19/2008	Lead-210	7.40	19.80	0.80	0.64			
4102-0243A-HO	9/19/2008	Plutonium-238	55.00	165.13	0.00	7.27	U		
4102-0243A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.28	1.56	U		
4102-0243A-HO	9/19/2008	Radium-226	2.90	4.70	0.72	0.13			
4102-0243A-HO	9/19/2008	Thorium-230	2.80	4.60	0.00	7.05	U		
4102-0243A-HO	9/19/2008	Thorium-232	2.10	3.50	0.48	0.14			
4102-0243A-HO	9/19/2008	Uranium-238	2.20	4.20	0.46	0.43			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0244A-HO	9/19/2008	Actinium-227	4.60	13.61	0.00	0.34	U		
4102-0244A-HO	9/19/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4102-0244A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.04	0.05	U		
4102-0244A-HO	9/19/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0244A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0244A-HO	9/19/2008	Lead-210	7.40	19.80	0.00	0.82	U		
4102-0244A-HO	9/19/2008	Plutonium-238	55.00	165.13	0.30	7.09	U		
4102-0244A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.00	1.86	U		
4102-0244A-HO	9/19/2008	Radium-226	2.90	4.70	0.71	0.12			
4102-0244A-HO	9/19/2008	Thorium-230	2.80	4.60	0.00	7.29	U		
4102-0244A-HO	9/19/2008	Thorium-232	2.10	3.50	0.48	0.22			
4102-0244A-HO	9/19/2008	Uranium-238	2.20	4.20	0.82	0.42			
4102-0245A-HO	9/19/2008	Actinium-227	4.60	13.61	0.24	0.30	U		
4102-0245A-HO	9/19/2008	Americium-241	63.00	189.00	0.03	0.07	U		
4102-0245A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4102-0245A-HO	9/19/2008	Cesium-137	3.80	10.62	0.02	0.05	U		
4102-0245A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0245A-HO	9/19/2008	Lead-210	7.40	19.80	0.95	0.64			
4102-0245A-HO	9/19/2008	Plutonium-238	55.00	165.13	2.00	6.64	U		
4102-0245A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.59	1.63	U		
4102-0245A-HO	9/19/2008	Radium-226	2.90	4.70	0.52	0.16			
4102-0245A-HO	9/19/2008	Thorium-230	2.80	4.60	1.99	6.88	U		
4102-0245A-HO	9/19/2008	Thorium-232	2.10	3.50	0.42	0.23			
4102-0245A-HO	9/19/2008	Uranium-238	2.20	4.20	0.28	0.42	U		
4102-0246A-HO	9/19/2008	Actinium-227	4.60	13.61	0.05	0.41	U		
4102-0246A-HO	9/19/2008	Americium-241	63.00	189.00	0.00	0.10	U		
4102-0246A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0246A-HO	9/19/2008	Cesium-137	3.80	10.62	0.03	0.06	U		
4102-0246A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.01	0.07	U		
4102-0246A-HO	9/19/2008	Lead-210	7.40	19.80	0.29	0.94	U		
4102-0246A-HO	9/19/2008	Plutonium-238	55.00	165.13	0.00	9.42	U		
4102-0246A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.66	2.05	U		
4102-0246A-HO	9/19/2008	Radium-226	2.90	4.70	1.15	0.16			
4102-0246A-HO	9/19/2008	Thorium-230	2.80	4.60	4.31	9.17	U		
4102-0246A-HO	9/19/2008	Thorium-232	2.10	3.50	1.23	0.18			
4102-0246A-HO	9/19/2008	Uranium-238	2.20	4.20	0.97	0.60			
4102-0247A-HO	9/19/2008	Actinium-227	4.60	13.61	0.00	0.26	U		
4102-0247A-HO	9/19/2008	Americium-241	63.00	189.00	0.01	0.06	U		
4102-0247A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0247A-HO	9/19/2008	Cesium-137	3.80	10.62	0.01	0.05	U		
4102-0247A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.01	0.03	U		
4102-0247A-HO	9/19/2008	Lead-210	7.40	19.80	0.58	0.54			
4102-0247A-HO	9/19/2008	Plutonium-238	55.00	165.13	1.36	6.01	U		
4102-0247A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.00	1.52	U		
4102-0247A-HO	9/19/2008	Radium-226	2.90	4.70	0.47	0.13			
4102-0247A-HO	9/19/2008	Thorium-230	2.80	4.60	2.10	5.10	U		
4102-0247A-HO	9/19/2008	Thorium-232	2.10	3.50	0.14	0.18	U		
4102-0247A-HO	9/19/2008	Uranium-238	2.20	4.20	0.32	0.35	U		
4102-0248A-HO	9/19/2008	Actinium-227	4.60	13.61	0.00	0.23	U		
4102-0248A-HO	9/19/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0248A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0248A-HO	9/19/2008	Cesium-137	3.80	10.62	0.00	0.03	U		
4102-0248A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.02	0.03	U		
4102-0248A-HO	9/19/2008	Lead-210	7.40	19.80	0.43	0.50	U		
4102-0248A-HO	9/19/2008	Plutonium-238	55.00	165.13	0.00	5.56	U		
4102-0248A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.00	1.35	U		
4102-0248A-HO	9/19/2008	Radium-226	2.90	4.70	0.58	0.08			
4102-0248A-HO	9/19/2008	Thorium-230	2.80	4.60	0.00	5.40	U		
4102-0248A-HO	9/19/2008	Thorium-232	2.10	3.50	0.27	0.11			
4102-0248A-HO	9/19/2008	Uranium-238	2.20	4.20	0.12	0.34	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0249A-HO	9/19/2008	Actinium-227	4.60	13.61	0.27	0.24			
4102-0249A-HO	9/19/2008	Americium-241	63.00	189.00	0.05	0.07	U		
4102-0249A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0249A-HO	9/19/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4102-0249A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0249A-HO	9/19/2008	Lead-210	7.40	19.80	0.21	0.64	U		
4102-0249A-HO	9/19/2008	Plutonium-238	55.00	165.13	2.68	7.29	U		
4102-0249A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.00	1.80	U		
4102-0249A-HO	9/19/2008	Radium-226	2.90	4.70	0.60	0.09			
4102-0249A-HO	9/19/2008	Thorium-230	2.80	4.60	0.00	6.54	U		
4102-0249A-HO	9/19/2008	Thorium-232	2.10	3.50	0.45	0.17			
4102-0249A-HO	9/19/2008	Uranium-238	2.20	4.20	0.41	0.43	U		
4102-0250A-HO	9/19/2008	Actinium-227	4.60	13.61	0.04	0.28	U		
4102-0250A-HO	9/19/2008	Americium-241	63.00	189.00	0.02	0.07	U		
4102-0250A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0250A-HO	9/19/2008	Cesium-137	3.80	10.62	0.02	0.05	U		
4102-0250A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0250A-HO	9/19/2008	Lead-210	7.40	19.80	0.37	0.63	U		
4102-0250A-HO	9/19/2008	Plutonium-238	55.00	165.13	1.25	6.81	U		
4102-0250A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.00	1.72	U		
4102-0250A-HO	9/19/2008	Radium-226	2.90	4.70	0.52	0.13			
4102-0250A-HO	9/19/2008	Thorium-230	2.80	4.60	1.22	6.73	U		
4102-0250A-HO	9/19/2008	Thorium-232	2.10	3.50	0.53	0.15			
4102-0250A-HO	9/19/2008	Uranium-238	2.20	4.20	0.50	0.40			
4102-0251A-HO	9/19/2008	Actinium-227	4.60	13.61	0.17	0.35	U		
4102-0251A-HO	9/19/2008	Americium-241	63.00	189.00	0.01	0.09	U		
4102-0251A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4102-0251A-HO	9/19/2008	Cesium-137	3.80	10.62	0.02	0.05	U		
4102-0251A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.02	0.06	U		
4102-0251A-HO	9/19/2008	Lead-210	7.40	19.80	0.92	0.76			
4102-0251A-HO	9/19/2008	Plutonium-238	55.00	165.13	18.43	9.59			
4102-0251A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.00	2.02	U		
4102-0251A-HO	9/19/2008	Radium-226	2.90	4.70	0.63	0.14			
4102-0251A-HO	9/19/2008	Thorium-230	2.80	4.60	2.88	8.14	U		
4102-0251A-HO	9/19/2008	Thorium-232	2.10	3.50	1.06	0.20			
4102-0251A-HO	9/19/2008	Uranium-238	2.20	4.20	0.87	0.55			
4102-0252A-HO	9/19/2008	Actinium-227	4.60	13.61	0.13	0.28	U		
4102-0252A-HO	9/19/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0252A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0252A-HO	9/19/2008	Cesium-137	3.80	10.62	0.05	0.04			
4102-0252A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.01	0.05	U		
4102-0252A-HO	9/19/2008	Lead-210	7.40	19.80	0.70	0.60			
4102-0252A-HO	9/19/2008	Plutonium-238	55.00	165.13	8.94	7.53			
4102-0252A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.21	1.70	U		
4102-0252A-HO	9/19/2008	Radium-226	2.90	4.70	0.58	0.11			
4102-0252A-HO	9/19/2008	Thorium-230	2.80	4.60	0.00	6.82	U		
4102-0252A-HO	9/19/2008	Thorium-232	2.10	3.50	0.60	0.17			
4102-0252A-HO	9/19/2008	Uranium-238	2.20	4.20	0.74	0.43			
4102-0253A-HO	12/8/2008	Actinium-227	4.60	13.61	0.12	0.28	U		
4102-0253A-HO	12/8/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0253A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0253A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0253A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.01	0.06	U		
4102-0253A-HO	12/8/2008	Lead-210	7.40	19.80	0.26	0.65	U		
4102-0253A-HO	12/8/2008	Plutonium-238	55.00	165.13	1.01	6.27	U		
4102-0253A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.29	1.58	U		
4102-0253A-HO	12/8/2008	Radium-226	2.90	4.70	0.59	0.14			
4102-0253A-HO	12/8/2008	Thorium-230	2.80	4.60	1.82	6.44	U		
4102-0253A-HO	12/8/2008	Thorium-232	2.10	3.50	0.38	0.21			
4102-0253A-HO	12/8/2008	Uranium-238	2.20	4.20	0.44	0.42			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0254A-HO	12/8/2008	Actinium-227	4.60	13.61	0.00	0.30	U		
4102-0254A-HO	12/8/2008	Americium-241	63.00	189.00	0.02	0.07	U		
4102-0254A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0254A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0254A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0254A-HO	12/8/2008	Lead-210	7.40	19.80	0.49	0.64	U		
4102-0254A-HO	12/8/2008	Plutonium-238	55.00	165.13	0.00	6.56	U		
4102-0254A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.81	1.53	U		
4102-0254A-HO	12/8/2008	Radium-226	2.90	4.70	0.52	0.12			
4102-0254A-HO	12/8/2008	Thorium-230	2.80	4.60	3.30	6.37	U		
4102-0254A-HO	12/8/2008	Thorium-232	2.10	3.50	0.26	0.25			
4102-0254A-HO	12/8/2008	Uranium-238	2.20	4.20	0.50	0.42			
4102-0255A-HO	12/8/2008	Actinium-227	4.60	13.61	0.13	0.25	U		
4102-0255A-HO	12/8/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0255A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0255A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0255A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0255A-HO	12/8/2008	Lead-210	7.40	19.80	0.52	0.63	U		
4102-0255A-HO	12/8/2008	Plutonium-238	55.00	165.13	1.17	6.30	U		
4102-0255A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.00	1.56	U		
4102-0255A-HO	12/8/2008	Radium-226	2.90	4.70	0.55	0.12			
4102-0255A-HO	12/8/2008	Thorium-230	2.80	4.60	0.00	6.43	U		
4102-0255A-HO	12/8/2008	Thorium-232	2.10	3.50	0.19	0.21	U		
4102-0255A-HO	12/8/2008	Uranium-238	2.20	4.20	0.50	0.39			
4102-0256A-HO	12/8/2008	Actinium-227	4.60	13.61	0.00	0.23	U		
4102-0256A-HO	12/8/2008	Americium-241	63.00	189.00	0.04	0.05	U		
4102-0256A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0256A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0256A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.03	0.03	U		
4102-0256A-HO	12/8/2008	Lead-210	7.40	19.80	0.35	0.51	U		
4102-0256A-HO	12/8/2008	Plutonium-238	55.00	165.13	2.22	4.93	U		
4102-0256A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.03	1.20	U		
4102-0256A-HO	12/8/2008	Radium-226	2.90	4.70	0.42	0.09			
4102-0256A-HO	12/8/2008	Thorium-230	2.80	4.60	0.00	4.96	U		
4102-0256A-HO	12/8/2008	Thorium-232	2.10	3.50	0.29	0.13			
4102-0256A-HO	12/8/2008	Uranium-238	2.20	4.20	0.18	0.35	U		
4102-0257A-HO	9/19/2008	Actinium-227	4.60	13.61	0.06	0.39	U		
4102-0257A-HO	9/19/2008	Americium-241	63.00	189.00	0.09	0.09			
4102-0257A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0257A-HO	9/19/2008	Cesium-137	3.80	10.62	0.07	0.06			
4102-0257A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0257A-HO	9/19/2008	Lead-210	7.40	19.80	0.66	0.88	U		
4102-0257A-HO	9/19/2008	Plutonium-238	55.00	165.13	0.37	9.27	U		
4102-0257A-HO	9/19/2008	Protactinium-231	4.00	11.81	1.02	1.91	U		
4102-0257A-HO	9/19/2008	Radium-226	2.90	4.70	0.73	0.16			
4102-0257A-HO	9/19/2008	Thorium-230	2.80	4.60	5.13	8.36	U		
4102-0257A-HO	9/19/2008	Thorium-232	2.10	3.50	1.07	0.28			
4102-0257A-HO	9/19/2008	Uranium-238	2.20	4.20	1.35	0.56			
4102-0258A-HO	9/19/2008	Actinium-227	4.60	13.61	0.05	0.27	U		
4102-0258A-HO	9/19/2008	Americium-241	63.00	189.00	0.02	0.07	U		
4102-0258A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0258A-HO	9/19/2008	Cesium-137	3.80	10.62	0.02	0.05	U		
4102-0258A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.02	0.06	U		
4102-0258A-HO	9/19/2008	Lead-210	7.40	19.80	0.87	0.66			
4102-0258A-HO	9/19/2008	Plutonium-238	55.00	165.13	3.62	6.31	U		
4102-0258A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.72	1.54	U		
4102-0258A-HO	9/19/2008	Radium-226	2.90	4.70	0.62	0.13			
4102-0258A-HO	9/19/2008	Thorium-230	2.80	4.60	1.84	6.25	U		
4102-0258A-HO	9/19/2008	Thorium-232	2.10	3.50	0.36	0.18			
4102-0258A-HO	9/19/2008	Uranium-238	2.20	4.20	0.51	0.43			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0259A-HO	9/19/2008	Actinium-227	4.60	13.61	0.06	0.26	U		
4102-0259A-HO	9/19/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0259A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0259A-HO	9/19/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0259A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.01	0.06	U		
4102-0259A-HO	9/19/2008	Lead-210	7.40	19.80	0.10	0.62	U		
4102-0259A-HO	9/19/2008	Plutonium-238	55.00	165.13	0.00	6.42	U		
4102-0259A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.21	1.37	U		
4102-0259A-HO	9/19/2008	Radium-226	2.90	4.70	0.53	0.10			
4102-0259A-HO	9/19/2008	Thorium-230	2.80	4.60	0.82	5.65	U		
4102-0259A-HO	9/19/2008	Thorium-232	2.10	3.50	0.17	0.17			
4102-0259A-HO	9/19/2008	Uranium-238	2.20	4.20	0.38	0.36			
4102-0260A-HO	9/19/2008	Actinium-227	4.60	13.61	0.01	0.25	U		
4102-0260A-HO	9/19/2008	Americium-241	63.00	189.00	0.03	0.05	U		
4102-0260A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0260A-HO	9/19/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0260A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.02	0.03	U		
4102-0260A-HO	9/19/2008	Lead-210	7.40	19.80	0.68	0.48			
4102-0260A-HO	9/19/2008	Plutonium-238	55.00	165.13	2.95	5.20	U		
4102-0260A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.00	1.39	U		
4102-0260A-HO	9/19/2008	Radium-226	2.90	4.70	0.46	0.07			
4102-0260A-HO	9/19/2008	Thorium-230	2.80	4.60	2.70	4.81	U		
4102-0260A-HO	9/19/2008	Thorium-232	2.10	3.50	0.25	0.14			
4102-0260A-HO	9/19/2008	Uranium-238	2.20	4.20	0.36	0.34			
4102-0261A-HO	9/19/2008	Actinium-227	4.60	13.61	0.12	0.31	U		
4102-0261A-HO	9/19/2008	Americium-241	63.00	189.00	0.01	0.08	U		
4102-0261A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0261A-HO	9/19/2008	Cesium-137	3.80	10.62	0.01	0.05	U		
4102-0261A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0261A-HO	9/19/2008	Lead-210	7.40	19.80	0.29	0.72	U		
4102-0261A-HO	9/19/2008	Plutonium-238	55.00	165.13	3.00	7.18	U		
4102-0261A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.48	1.65	U		
4102-0261A-HO	9/19/2008	Radium-226	2.90	4.70	0.62	0.12			
4102-0261A-HO	9/19/2008	Thorium-230	2.80	4.60	0.96	6.96	U		
4102-0261A-HO	9/19/2008	Thorium-232	2.10	3.50	0.51	0.16			
4102-0261A-HO	9/19/2008	Uranium-238	2.20	4.20	0.53	0.44			
4102-0262A-HO	9/19/2008	Actinium-227	4.60	13.61	0.00	0.31	U		
4102-0262A-HO	9/19/2008	Americium-241	63.00	189.00	0.03	0.07	U		
4102-0262A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0262A-HO	9/19/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0262A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0262A-HO	9/19/2008	Lead-210	7.40	19.80	0.81	0.67			
4102-0262A-HO	9/19/2008	Plutonium-238	55.00	165.13	2.94	7.01	U		
4102-0262A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.00	1.70	U		
4102-0262A-HO	9/19/2008	Radium-226	2.90	4.70	0.49	0.13			
4102-0262A-HO	9/19/2008	Thorium-230	2.80	4.60	0.92	6.56	U		
4102-0262A-HO	9/19/2008	Thorium-232	2.10	3.50	0.77	0.14			
4102-0262A-HO	9/19/2008	Uranium-238	2.20	4.20	0.86	0.41			
4102-0263A-HO	9/19/2008	Actinium-227	4.60	13.61	0.00	0.31	U		
4102-0263A-HO	9/19/2008	Americium-241	63.00	189.00	0.03	0.07	U		
4102-0263A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.03	0.05	U		
4102-0263A-HO	9/19/2008	Cesium-137	3.80	10.62	0.03	0.04	U		
4102-0263A-HO	9/19/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0263A-HO	9/19/2008	Lead-210	7.40	19.80	0.33	0.70	U		
4102-0263A-HO	9/19/2008	Plutonium-238	55.00	165.13	2.97	8.13	U		
4102-0263A-HO	9/19/2008	Protactinium-231	4.00	11.81	0.00	1.59	U		
4102-0263A-HO	9/19/2008	Radium-226	2.90	4.70	0.45	0.14			
4102-0263A-HO	9/19/2008	Thorium-230	2.80	4.60	0.00	7.07	U		
4102-0263A-HO	9/19/2008	Thorium-232	2.10	3.50	0.63	0.02			
4102-0263A-HO	9/19/2008	Uranium-238	2.20	4.20	0.30	0.42	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0264A-HO	12/8/2008	Actinium-227	4.60	13.61	0.05	0.29	U		
4102-0264A-HO	12/8/2008	Americium-241	63.00	189.00	0.04	0.07	U		
4102-0264A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0264A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0264A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.02	0.05	U		
4102-0264A-HO	12/8/2008	Lead-210	7.40	19.80	0.15	0.68	U		
4102-0264A-HO	12/8/2008	Plutonium-238	55.00	165.13	0.00	6.44	U		
4102-0264A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.04	1.57	U		
4102-0264A-HO	12/8/2008	Radium-226	2.90	4.70	0.66	0.11			
4102-0264A-HO	12/8/2008	Thorium-230	2.80	4.60	1.21	6.30	U		
4102-0264A-HO	12/8/2008	Thorium-232	2.10	3.50	0.61	0.18			
4102-0264A-HO	12/8/2008	Uranium-238	2.20	4.20	0.52	0.43			
4102-0265A-HO	12/8/2008	Actinium-227	4.60	13.61	0.00	0.30	U		
4102-0265A-HO	12/8/2008	Americium-241	63.00	189.00	0.02	0.07	U		
4102-0265A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4102-0265A-HO	12/8/2008	Cesium-137	3.80	10.62	0.02	0.05	U		
4102-0265A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0265A-HO	12/8/2008	Lead-210	7.40	19.80	0.62	0.65	U		
4102-0265A-HO	12/8/2008	Plutonium-238	55.00	165.13	1.69	6.29	U		
4102-0265A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.79	1.49	U		
4102-0265A-HO	12/8/2008	Radium-226	2.90	4.70	0.61	0.11			
4102-0265A-HO	12/8/2008	Thorium-230	2.80	4.60	2.02	6.62	U		
4102-0265A-HO	12/8/2008	Thorium-232	2.10	3.50	0.56	0.22			
4102-0265A-HO	12/8/2008	Uranium-238	2.20	4.20	0.61	0.42			
4102-0266A-HO	12/8/2008	Actinium-227	4.60	13.61	0.18	0.24	U		
4102-0266A-HO	12/8/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0266A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4102-0266A-HO	12/8/2008	Cesium-137	3.80	10.62	0.03	0.05	U		
4102-0266A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0266A-HO	12/8/2008	Lead-210	7.40	19.80	0.00	0.73	U		
4102-0266A-HO	12/8/2008	Plutonium-238	55.00	165.13	1.84	6.13	U		
4102-0266A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.00	1.74	U		
4102-0266A-HO	12/8/2008	Radium-226	2.90	4.70	0.70	0.11			
4102-0266A-HO	12/8/2008	Thorium-230	2.80	4.60	0.00	6.25	U		
4102-0266A-HO	12/8/2008	Thorium-232	2.10	3.50	0.31	0.16			
4102-0266A-HO	12/8/2008	Uranium-238	2.20	4.20	0.66	0.40			
4102-0267A-HO	12/8/2008	Actinium-227	4.60	13.61	0.05	0.26	U		
4102-0267A-HO	12/8/2008	Americium-241	63.00	189.00	0.04	0.06	U		
4102-0267A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4102-0267A-HO	12/8/2008	Cesium-137	3.80	10.62	0.02	0.04	U		
4102-0267A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.02	0.04	U		
4102-0267A-HO	12/8/2008	Lead-210	7.40	19.80	0.89	0.53			
4102-0267A-HO	12/8/2008	Plutonium-238	55.00	165.13	5.09	6.88	U		
4102-0267A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.00	1.54	U		
4102-0267A-HO	12/8/2008	Radium-226	2.90	4.70	0.48	0.13			
4102-0267A-HO	12/8/2008	Thorium-230	2.80	4.60	0.00	6.44	U		
4102-0267A-HO	12/8/2008	Thorium-232	2.10	3.50	0.44	0.13			
4102-0267A-HO	12/8/2008	Uranium-238	2.20	4.20	0.68	0.37			
4102-0268A-HO	9/22/2008	Actinium-227	4.60	13.61	0.12	0.36	U		
4102-0268A-HO	9/22/2008	Americium-241	63.00	189.00	0.04	0.09	U		
4102-0268A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0268A-HO	9/22/2008	Cesium-137	3.80	10.62	0.02	0.05	U		
4102-0268A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.03	0.07	U		
4102-0268A-HO	9/22/2008	Lead-210	7.40	19.80	1.02	0.77			
4102-0268A-HO	9/22/2008	Plutonium-238	55.00	165.13	11.33	8.71			
4102-0268A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	2.01	U		
4102-0268A-HO	9/22/2008	Radium-226	2.90	4.70	0.66	0.14			
4102-0268A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	8.28	U		
4102-0268A-HO	9/22/2008	Thorium-232	2.10	3.50	0.96	0.23			
4102-0268A-HO	9/22/2008	Uranium-238	2.20	4.20	0.64	0.53			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0269A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.32	U		
4102-0269A-HO	9/22/2008	Americium-241	63.00	189.00	0.03	0.07	U		
4102-0269A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4102-0269A-HO	9/22/2008	Cesium-137	3.80	10.62	0.05	0.04			
4102-0269A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0269A-HO	9/22/2008	Lead-210	7.40	19.80	0.98	0.58			
4102-0269A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	7.20	U		
4102-0269A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.56	U		
4102-0269A-HO	9/22/2008	Radium-226	2.90	4.70	0.74	0.08			
4102-0269A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	6.99	U		
4102-0269A-HO	9/22/2008	Thorium-232	2.10	3.50	0.67	0.17			
4102-0269A-HO	9/22/2008	Uranium-238	2.20	4.20	0.43	0.43	U		
4102-0270A-HO	9/22/2008	Actinium-227	4.60	13.61	0.34	0.30			
4102-0270A-HO	9/22/2008	Americium-241	63.00	189.00	0.13	0.08			
4102-0270A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0270A-HO	9/22/2008	Cesium-137	3.80	10.62	0.04	0.04	U		
4102-0270A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0270A-HO	9/22/2008	Lead-210	7.40	19.80	0.86	0.66			
4102-0270A-HO	9/22/2008	Plutonium-238	55.00	165.13	9.63	7.79			
4102-0270A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.85	U		
4102-0270A-HO	9/22/2008	Radium-226	2.90	4.70	0.60	0.12			
4102-0270A-HO	9/22/2008	Thorium-230	2.80	4.60	4.66	7.01	U		
4102-0270A-HO	9/22/2008	Thorium-232	2.10	3.50	0.50	0.20			
4102-0270A-HO	9/22/2008	Uranium-238	2.20	4.20	0.67	0.46			
4102-0271A-HO	9/22/2008	Actinium-227	4.60	13.61	0.03	0.30	U		
4102-0271A-HO	9/22/2008	Americium-241	63.00	189.00	0.06	0.07	U		
4102-0271A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0271A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0271A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0271A-HO	9/22/2008	Lead-210	7.40	19.80	0.75	0.61			
4102-0271A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.57	7.09	U		
4102-0271A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.75	U		
4102-0271A-HO	9/22/2008	Radium-226	2.90	4.70	0.48	0.12			
4102-0271A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	6.61	U		
4102-0271A-HO	9/22/2008	Thorium-232	2.10	3.50	0.61	0.15			
4102-0271A-HO	9/22/2008	Uranium-238	2.20	4.20	0.64	0.41			
4102-0272A-HO	9/22/2008	Actinium-227	4.60	13.61	0.12	0.33	U		
4102-0272A-HO	9/22/2008	Americium-241	63.00	189.00	0.04	0.09	U		
4102-0272A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4102-0272A-HO	9/22/2008	Cesium-137	3.80	10.62	0.04	0.05	U		
4102-0272A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.03	0.04	U		
4102-0272A-HO	9/22/2008	Lead-210	7.40	19.80	0.80	0.72			
4102-0272A-HO	9/22/2008	Plutonium-238	55.00	165.13	7.16	7.99	U		
4102-0272A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.92	U		
4102-0272A-HO	9/22/2008	Radium-226	2.90	4.70	0.56	0.14			
4102-0272A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	8.12	U		
4102-0272A-HO	9/22/2008	Thorium-232	2.10	3.50	0.77	0.22			
4102-0272A-HO	9/22/2008	Uranium-238	2.20	4.20	1.04	0.47			
4102-0273A-HO	9/22/2008	Actinium-227	4.60	13.61	0.13	0.27	U		
4102-0273A-HO	9/22/2008	Americium-241	63.00	189.00	0.07	0.07			
4102-0273A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0273A-HO	9/22/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4102-0273A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0273A-HO	9/22/2008	Lead-210	7.40	19.80	0.03	0.67	U		
4102-0273A-HO	9/22/2008	Plutonium-238	55.00	165.13	48.48	9.61			
4102-0273A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.76	U		
4102-0273A-HO	9/22/2008	Radium-226	2.90	4.70	0.66	0.08			
4102-0273A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	6.39	U		
4102-0273A-HO	9/22/2008	Thorium-232	2.10	3.50	0.43	0.17			
4102-0273A-HO	9/22/2008	Uranium-238	2.20	4.20	0.54	0.38			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0274A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.25	U		
4102-0274A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0274A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4102-0274A-HO	9/22/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4102-0274A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.01	0.03	U		
4102-0274A-HO	9/22/2008	Lead-210	7.40	19.80	0.43	0.55	U		
4102-0274A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	6.05	U		
4102-0274A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.34	U		
4102-0274A-HO	9/22/2008	Radium-226	2.90	4.70	0.59	0.11			
4102-0274A-HO	9/22/2008	Thorium-230	2.80	4.60	2.71	5.21	U		
4102-0274A-HO	9/22/2008	Thorium-232	2.10	3.50	0.34	0.15			
4102-0274A-HO	9/22/2008	Uranium-238	2.20	4.20	0.54	0.35			
4102-0275A-HO	12/8/2008	Actinium-227	4.60	13.61	0.19	0.29	U		
4102-0275A-HO	12/8/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4102-0275A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4102-0275A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0275A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0275A-HO	12/8/2008	Lead-210	7.40	19.80	0.35	0.71	U		
4102-0275A-HO	12/8/2008	Plutonium-238	55.00	165.13	0.10	6.46	U		
4102-0275A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.92	1.65	U		
4102-0275A-HO	12/8/2008	Radium-226	2.90	4.70	0.65	0.13			
4102-0275A-HO	12/8/2008	Thorium-230	2.80	4.60	0.00	7.24	U		
4102-0275A-HO	12/8/2008	Thorium-232	2.10	3.50	0.62	0.20			
4102-0275A-HO	12/8/2008	Uranium-238	2.20	4.20	0.77	0.45			
4102-0276A-HO	12/8/2008	Actinium-227	4.60	13.61	0.05	0.25	U		
4102-0276A-HO	12/8/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0276A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0276A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0276A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0276A-HO	12/8/2008	Lead-210	7.40	19.80	0.09	0.59	U		
4102-0276A-HO	12/8/2008	Plutonium-238	55.00	165.13	2.80	5.07	U		
4102-0276A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.29	1.42	U		
4102-0276A-HO	12/8/2008	Radium-226	2.90	4.70	0.56	0.09			
4102-0276A-HO	12/8/2008	Thorium-230	2.80	4.60	1.20	5.79	U		
4102-0276A-HO	12/8/2008	Thorium-232	2.10	3.50	0.49	0.16			
4102-0276A-HO	12/8/2008	Uranium-238	2.20	4.20	0.38	0.36			
4102-0277A-HO	12/8/2008	Actinium-227	4.60	13.61	0.00	0.29	U		
4102-0277A-HO	12/8/2008	Americium-241	63.00	189.00	0.04	0.06	U		
4102-0277A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0277A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0277A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4102-0277A-HO	12/8/2008	Lead-210	7.40	19.80	0.38	0.65	U		
4102-0277A-HO	12/8/2008	Plutonium-238	55.00	165.13	0.00	6.56	U		
4102-0277A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.00	1.64	U		
4102-0277A-HO	12/8/2008	Radium-226	2.90	4.70	0.69	0.13			
4102-0277A-HO	12/8/2008	Thorium-230	2.80	4.60	2.31	6.13	U		
4102-0277A-HO	12/8/2008	Thorium-232	2.10	3.50	0.53	0.17			
4102-0277A-HO	12/8/2008	Uranium-238	2.20	4.20	0.36	0.43	U		
4102-0278A-HO	12/8/2008	Actinium-227	4.60	13.61	0.02	0.32	U		
4102-0278A-HO	12/8/2008	Americium-241	63.00	189.00	0.03	0.08	U		
4102-0278A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0278A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0278A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0278A-HO	12/8/2008	Lead-210	7.40	19.80	0.58	0.73	U		
4102-0278A-HO	12/8/2008	Plutonium-238	55.00	165.13	0.00	6.64	U		
4102-0278A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.00	1.69	U		
4102-0278A-HO	12/8/2008	Radium-226	2.90	4.70	0.54	0.13			
4102-0278A-HO	12/8/2008	Thorium-230	2.80	4.60	1.91	7.29	U		
4102-0278A-HO	12/8/2008	Thorium-232	2.10	3.50	0.63	0.21			
4102-0278A-HO	12/8/2008	Uranium-238	2.20	4.20	0.81	0.47			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0279A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.41	U		
4102-0279A-HO	9/22/2008	Americium-241	63.00	189.00	0.01	0.09	U		
4102-0279A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0279A-HO	9/22/2008	Cesium-137	3.80	10.62	0.03	0.06	U		
4102-0279A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0279A-HO	9/22/2008	Lead-210	7.40	19.80	0.41	0.91	U		
4102-0279A-HO	9/22/2008	Plutonium-238	55.00	165.13	2.07	8.21	U		
4102-0279A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.03	2.07	U		
4102-0279A-HO	9/22/2008	Radium-226	2.90	4.70	0.83	0.16			
4102-0279A-HO	9/22/2008	Thorium-230	2.80	4.60	1.67	8.21	U		
4102-0279A-HO	9/22/2008	Thorium-232	2.10	3.50	0.84	0.27			
4102-0279A-HO	9/22/2008	Uranium-238	2.20	4.20	0.89	0.56			
4102-0280A-HO	9/22/2008	Actinium-227	4.60	13.61	0.28	0.36	U		
4102-0280A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.09	U		
4102-0280A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0280A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.08	U		
4102-0280A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.10	U		
4102-0280A-HO	9/22/2008	Lead-210	7.40	19.80	0.99	0.83			
4102-0280A-HO	9/22/2008	Plutonium-238	55.00	165.13	6.76	7.41	U		
4102-0280A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	2.20	U		
4102-0280A-HO	9/22/2008	Radium-226	2.90	4.70	0.73	0.15			
4102-0280A-HO	9/22/2008	Thorium-230	2.80	4.60	3.12	8.45	U		
4102-0280A-HO	9/22/2008	Thorium-232	2.10	3.50	0.81	0.33			
4102-0280A-HO	9/22/2008	Uranium-238	2.20	4.20	0.80	0.54			
4102-0281A-HO	9/22/2008	Actinium-227	4.60	13.61	0.01	0.22	U		
4102-0281A-HO	9/22/2008	Americium-241	63.00	189.00	0.01	0.05	U		
4102-0281A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0281A-HO	9/22/2008	Cesium-137	3.80	10.62	0.03	0.03			
4102-0281A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.01	0.04	U		
4102-0281A-HO	9/22/2008	Lead-210	7.40	19.80	0.69	0.48			
4102-0281A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	5.50	U		
4102-0281A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.28	U		
4102-0281A-HO	9/22/2008	Radium-226	2.90	4.70	0.60	0.06			
4102-0281A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	5.01	U		
4102-0281A-HO	9/22/2008	Thorium-232	2.10	3.50	0.17	0.16			
4102-0281A-HO	9/22/2008	Uranium-238	2.20	4.20	0.32	0.32			
4102-0282A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.35	U		
4102-0282A-HO	9/22/2008	Americium-241	63.00	189.00	0.01	0.08	U		
4102-0282A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0282A-HO	9/22/2008	Cesium-137	3.80	10.62	0.02	0.05	U		
4102-0282A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0282A-HO	9/22/2008	Lead-210	7.40	19.80	0.43	0.74	U		
4102-0282A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	7.46	U		
4102-0282A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.99	U		
4102-0282A-HO	9/22/2008	Radium-226	2.90	4.70	0.60	0.15			
4102-0282A-HO	9/22/2008	Thorium-230	2.80	4.60	2.22	7.48	U		
4102-0282A-HO	9/22/2008	Thorium-232	2.10	3.50	0.78	0.20			
4102-0282A-HO	9/22/2008	Uranium-238	2.20	4.20	0.74	0.45			
4102-0283A-HO	9/22/2008	Actinium-227	4.60	13.61	0.20	0.34	U		
4102-0283A-HO	9/22/2008	Americium-241	63.00	189.00	0.02	0.08	U		
4102-0283A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0283A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0283A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.04	0.07	U		
4102-0283A-HO	9/22/2008	Lead-210	7.40	19.80	0.50	0.82	U		
4102-0283A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	8.12	U		
4102-0283A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.42	1.81	U		
4102-0283A-HO	9/22/2008	Radium-226	2.90	4.70	0.81	0.15			
4102-0283A-HO	9/22/2008	Thorium-230	2.80	4.60	0.67	8.31	U		
4102-0283A-HO	9/22/2008	Thorium-232	2.10	3.50	1.01	0.11			
4102-0283A-HO	9/22/2008	Uranium-238	2.20	4.20	0.90	0.52			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0284A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.34	U		
4102-0284A-HO	9/22/2008	Americium-241	63.00	189.00	0.02	0.08	U		
4102-0284A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0284A-HO	9/22/2008	Cesium-137	3.80	10.62	0.02	0.06	U		
4102-0284A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0284A-HO	9/22/2008	Lead-210	7.40	19.80	1.03	0.71			
4102-0284A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	7.67	U		
4102-0284A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.95	U		
4102-0284A-HO	9/22/2008	Radium-226	2.90	4.70	0.90	0.13			
4102-0284A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	7.80	U		
4102-0284A-HO	9/22/2008	Thorium-232	2.10	3.50	0.42	0.26			
4102-0284A-HO	9/22/2008	Uranium-238	2.20	4.20	0.90	0.45			
4102-0285A-HO	9/22/2008	Actinium-227	4.60	13.61	0.01	0.26	U		
4102-0285A-HO	9/22/2008	Americium-241	63.00	189.00	0.06	0.06			
4102-0285A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4102-0285A-HO	9/22/2008	Cesium-137	3.80	10.62	0.05	0.04			
4102-0285A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.02	0.03	U		
4102-0285A-HO	9/22/2008	Lead-210	7.40	19.80	0.23	0.59	U		
4102-0285A-HO	9/22/2008	Plutonium-238	55.00	165.13	4.36	5.71	U		
4102-0285A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.67	0.13			
4102-0285A-HO	9/22/2008	Radium-226	2.90	4.70	0.62	0.12			
4102-0285A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	6.00	U		
4102-0285A-HO	9/22/2008	Thorium-232	2.10	3.50	0.17	0.17	U		
4102-0285A-HO	9/22/2008	Uranium-238	2.20	4.20	0.46	0.39			
4102-0286A-HO	12/8/2008	Actinium-227	4.60	13.61	0.15	0.23	U		
4102-0286A-HO	12/8/2008	Americium-241	63.00	189.00	0.04	0.06	U		
4102-0286A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0286A-HO	12/8/2008	Cesium-137	3.80	10.62	0.02	0.04	U		
4102-0286A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.01	0.05	U		
4102-0286A-HO	12/8/2008	Lead-210	7.40	19.80	0.70	0.54			
4102-0286A-HO	12/8/2008	Plutonium-238	55.00	165.13	11.39	5.23			
4102-0286A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.00	1.47	U		
4102-0286A-HO	12/8/2008	Radium-226	2.90	4.70	0.56	0.10			
4102-0286A-HO	12/8/2008	Thorium-230	2.80	4.60	0.00	5.51	U		
4102-0286A-HO	12/8/2008	Thorium-232	2.10	3.50	0.35	0.13			
4102-0286A-HO	12/8/2008	Uranium-238	2.20	4.20	0.40	0.36			
4102-0287A-HO	12/8/2008	Actinium-227	4.60	13.61	0.00	0.30	U		
4102-0287A-HO	12/8/2008	Americium-241	63.00	189.00	0.03	0.07	U		
4102-0287A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0287A-HO	12/8/2008	Cesium-137	3.80	10.62	0.03	0.05	U		
4102-0287A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0287A-HO	12/8/2008	Lead-210	7.40	19.80	0.00	0.72	U		
4102-0287A-HO	12/8/2008	Plutonium-238	55.00	165.13	3.08	5.77	U		
4102-0287A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.00	1.67	U		
4102-0287A-HO	12/8/2008	Radium-226	2.90	4.70	0.59	0.12			
4102-0287A-HO	12/8/2008	Thorium-230	2.80	4.60	0.00	6.66	U		
4102-0287A-HO	12/8/2008	Thorium-232	2.10	3.50	0.34	0.19			
4102-0287A-HO	12/8/2008	Uranium-238	2.20	4.20	0.39	0.42	U		
4102-0288A-HO	12/8/2008	Actinium-227	4.60	13.61	0.17	0.30	U		
4102-0288A-HO	12/8/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4102-0288A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0288A-HO	12/8/2008	Cesium-137	3.80	10.62	0.01	0.05	U		
4102-0288A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0288A-HO	12/8/2008	Lead-210	7.40	19.80	0.43	0.72	U		
4102-0288A-HO	12/8/2008	Plutonium-238	55.00	165.13	0.00	6.96	U		
4102-0288A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.20	1.68	U		
4102-0288A-HO	12/8/2008	Radium-226	2.90	4.70	0.64	0.09			
4102-0288A-HO	12/8/2008	Thorium-230	2.80	4.60	0.00	7.55	U		
4102-0288A-HO	12/8/2008	Thorium-232	2.10	3.50	0.57	0.20			
4102-0288A-HO	12/8/2008	Uranium-238	2.20	4.20	0.47	0.46			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0289A-HO	12/8/2008	Actinium-227	4.60	13.61	0.11	0.28	U		
4102-0289A-HO	12/8/2008	Americium-241	63.00	189.00	0.01	0.07	U		
4102-0289A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0289A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0289A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.01	0.07	U		
4102-0289A-HO	12/8/2008	Lead-210	7.40	19.80	0.22	0.64	U		
4102-0289A-HO	12/8/2008	Plutonium-238	55.00	165.13	0.00	6.73	U		
4102-0289A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.28	1.63	U		
4102-0289A-HO	12/8/2008	Radium-226	2.90	4.70	0.67	0.11			
4102-0289A-HO	12/8/2008	Thorium-230	2.80	4.60	1.14	6.51	U		
4102-0289A-HO	12/8/2008	Thorium-232	2.10	3.50	0.48	0.20			
4102-0289A-HO	12/8/2008	Uranium-238	2.20	4.20	0.52	0.42			
4102-0290A-HO	9/22/2008	Actinium-227	4.60	13.61	0.07	0.41	U		
4102-0290A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.10	U		
4102-0290A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4102-0290A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.07	U		
4102-0290A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.10	U		
4102-0290A-HO	9/22/2008	Lead-210	7.40	19.80	0.47	0.98	U		
4102-0290A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	8.79	U		
4102-0290A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.29	2.15	U		
4102-0290A-HO	9/22/2008	Radium-226	2.90	4.70	0.91	0.16			
4102-0290A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	9.84	U		
4102-0290A-HO	9/22/2008	Thorium-232	2.10	3.50	0.95	0.33			
4102-0290A-HO	9/22/2008	Uranium-238	2.20	4.20	0.71	0.58			
4102-0291A-HO	9/22/2008	Actinium-227	4.60	13.61	0.04	0.35	U		
4102-0291A-HO	9/22/2008	Americium-241	63.00	189.00	0.01	0.08	U		
4102-0291A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0291A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0291A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0291A-HO	9/22/2008	Lead-210	7.40	19.80	0.49	0.77	U		
4102-0291A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	8.22	U		
4102-0291A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.86	U		
4102-0291A-HO	9/22/2008	Radium-226	2.90	4.70	0.62	0.14			
4102-0291A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	7.88	U		
4102-0291A-HO	9/22/2008	Thorium-232	2.10	3.50	0.66	0.21			
4102-0291A-HO	9/22/2008	Uranium-238	2.20	4.20	0.82	0.50			
4102-0292A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.27	U		
4102-0292A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0292A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0292A-HO	9/22/2008	Cesium-137	3.80	10.62	0.01	0.03	U		
4102-0292A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4102-0292A-HO	9/22/2008	Lead-210	7.40	19.80	0.80	0.56			
4102-0292A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	6.25	U		
4102-0292A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.49	U		
4102-0292A-HO	9/22/2008	Radium-226	2.90	4.70	0.64	0.09			
4102-0292A-HO	9/22/2008	Thorium-230	2.80	4.60	1.61	5.35	U		
4102-0292A-HO	9/22/2008	Thorium-232	2.10	3.50	0.26	0.19			
4102-0292A-HO	9/22/2008	Uranium-238	2.20	4.20	0.71	0.32			
4102-0293A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.28	U		
4102-0293A-HO	9/22/2008	Americium-241	63.00	189.00	0.02	0.06	U		
4102-0293A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0293A-HO	9/22/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4102-0293A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.01	0.06	U		
4102-0293A-HO	9/22/2008	Lead-210	7.40	19.80	0.64	0.58			
4102-0293A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	6.77	U		
4102-0293A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.16	1.48	U		
4102-0293A-HO	9/22/2008	Radium-226	2.90	4.70	0.67	0.11			
4102-0293A-HO	9/22/2008	Thorium-230	2.80	4.60	0.86	5.88	U		
4102-0293A-HO	9/22/2008	Thorium-232	2.10	3.50	0.17	0.18	U		
4102-0293A-HO	9/22/2008	Uranium-238	2.20	4.20	0.41	0.39			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0294A-HO	9/22/2008	Actinium-227	4.60	13.61	0.22	0.35	U		
4102-0294A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.09	U		
4102-0294A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4102-0294A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.07	U		
4102-0294A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.01	0.07	U		
4102-0294A-HO	9/22/2008	Lead-210	7.40	19.80	0.31	0.83	U		
4102-0294A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	8.04	U		
4102-0294A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.92	U		
4102-0294A-HO	9/22/2008	Radium-226	2.90	4.70	0.74	0.17			
4102-0294A-HO	9/22/2008	Thorium-230	2.80	4.60	1.03	8.06	U		
4102-0294A-HO	9/22/2008	Thorium-232	2.10	3.50	0.94	0.18			
4102-0294A-HO	9/22/2008	Uranium-238	2.20	4.20	0.77	0.51			
4102-0295A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.31	U		
4102-0295A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0295A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0295A-HO	9/22/2008	Cesium-137	3.80	10.62	0.06	0.06			
4102-0295A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.01	0.05	U		
4102-0295A-HO	9/22/2008	Lead-210	7.40	19.80	0.68	0.62			
4102-0295A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	6.30	U		
4102-0295A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.70	U		
4102-0295A-HO	9/22/2008	Radium-226	2.90	4.70	0.67	0.10			
4102-0295A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	6.60	U		
4102-0295A-HO	9/22/2008	Thorium-232	2.10	3.50	0.40	0.16			
4102-0295A-HO	9/22/2008	Uranium-238	2.20	4.20	0.64	0.40			
4102-0296A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.34	U		
4102-0296A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.43	U		
4102-0296A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0296A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0296A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.01	0.06	U		
4102-0296A-HO	9/22/2008	Lead-210	7.40	19.80	0.44	0.75	U		
4102-0296A-HO	9/22/2008	Plutonium-238	55.00	165.13	3.51	6.48	U		
4102-0296A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.79	U		
4102-0296A-HO	9/22/2008	Radium-226	2.90	4.70	0.66	0.14			
4102-0296A-HO	9/22/2008	Thorium-230	2.80	4.60	3.01	6.86	U		
4102-0296A-HO	9/22/2008	Thorium-232	2.10	3.50	0.55	0.18			
4102-0296A-HO	9/22/2008	Uranium-238	2.20	4.20	0.66	0.43			
4102-0297A-HO	12/8/2008	Actinium-227	4.60	13.61	0.00	0.25	U		
4102-0297A-HO	12/8/2008	Americium-241	63.00	189.00	0.07	0.05			
4102-0297A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4102-0297A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0297A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0297A-HO	12/8/2008	Lead-210	7.40	19.80	0.40	0.54	U		
4102-0297A-HO	12/8/2008	Plutonium-238	55.00	165.13	1.28	5.47	U		
4102-0297A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.58	1.24	U		
4102-0297A-HO	12/8/2008	Radium-226	2.90	4.70	0.42	0.11			
4102-0297A-HO	12/8/2008	Thorium-230	2.80	4.60	0.00	5.50	U		
4102-0297A-HO	12/8/2008	Thorium-232	2.10	3.50	0.34	0.18			
4102-0297A-HO	12/8/2008	Uranium-238	2.20	4.20	0.40	0.37			
4102-0298A-HO	12/8/2008	Actinium-227	4.60	13.61	0.00	0.26	U		
4102-0298A-HO	12/8/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0298A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4102-0298A-HO	12/8/2008	Cesium-137	3.80	10.62	0.03	0.03	U		
4102-0298A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.03	0.05	U		
4102-0298A-HO	12/8/2008	Lead-210	7.40	19.80	0.88	0.53			
4102-0298A-HO	12/8/2008	Plutonium-238	55.00	165.13	1.01	5.70	U		
4102-0298A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.79	1.26	U		
4102-0298A-HO	12/8/2008	Radium-226	2.90	4.70	0.44	0.13			
4102-0298A-HO	12/8/2008	Thorium-230	2.80	4.60	0.00	5.76	U		
4102-0298A-HO	12/8/2008	Thorium-232	2.10	3.50	0.20	0.21	U		
4102-0298A-HO	12/8/2008	Uranium-238	2.20	4.20	0.25	0.38	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0299A-HO	12/8/2008	Actinium-227	4.60	13.61	0.16	0.26	U		
4102-0299A-HO	12/8/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0299A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0299A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0299A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0299A-HO	12/8/2008	Lead-210	7.40	19.80	0.52	0.59	U		
4102-0299A-HO	12/8/2008	Plutonium-238	55.00	165.13	0.00	6.47	U		
4102-0299A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.00	1.74	U		
4102-0299A-HO	12/8/2008	Radium-226	2.90	4.70	0.42	0.13			
4102-0299A-HO	12/8/2008	Thorium-230	2.80	4.60	2.60	6.11	U		
4102-0299A-HO	12/8/2008	Thorium-232	2.10	3.50	0.30	0.22			
4102-0299A-HO	12/8/2008	Uranium-238	2.20	4.20	0.17	0.43	U		
4102-0300A-HO	12/8/2008	Actinium-227	4.60	13.61	0.03	0.23	U		
4102-0300A-HO	12/8/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0300A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0300A-HO	12/8/2008	Cesium-137	3.80	10.62	0.02	0.03	U		
4102-0300A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4102-0300A-HO	12/8/2008	Lead-210	7.40	19.80	0.34	0.50	U		
4102-0300A-HO	12/8/2008	Plutonium-238	55.00	165.13	0.78	5.09	U		
4102-0300A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.00	1.30	U		
4102-0300A-HO	12/8/2008	Radium-226	2.90	4.70	0.51	0.09			
4102-0300A-HO	12/8/2008	Thorium-230	2.80	4.60	3.67	5.02	U		
4102-0300A-HO	12/8/2008	Thorium-232	2.10	3.50	0.30	0.18			
4102-0300A-HO	12/8/2008	Uranium-238	2.20	4.20	0.22	0.35	U		
4102-0301A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.41	U		
4102-0301A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.10	U		
4102-0301A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0301A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.08	U		
4102-0301A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.04	0.05	U		
4102-0301A-HO	9/22/2008	Lead-210	7.40	19.80	0.60	0.86	U		
4102-0301A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	8.83	U		
4102-0301A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	2.45	U		
4102-0301A-HO	9/22/2008	Radium-226	2.90	4.70	0.79	0.15			
4102-0301A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	9.10	U		
4102-0301A-HO	9/22/2008	Thorium-232	2.10	3.50	0.70	0.34			
4102-0301A-HO	9/22/2008	Uranium-238	2.20	4.20	1.07	0.53			
4102-0302A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.24	U		
4102-0302A-HO	9/22/2008	Americium-241	63.00	189.00	0.04	0.05	U		
4102-0302A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0302A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0302A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.02	0.03	U		
4102-0302A-HO	9/22/2008	Lead-210	7.40	19.80	0.67	0.54			
4102-0302A-HO	9/22/2008	Plutonium-238	55.00	165.13	1.38	5.91	U		
4102-0302A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.46	1.13	U		
4102-0302A-HO	9/22/2008	Radium-226	2.90	4.70	0.55	0.10			
4102-0302A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	5.58	U		
4102-0302A-HO	9/22/2008	Thorium-232	2.10	3.50	0.19	0.19			
4102-0302A-HO	9/22/2008	Uranium-238	2.20	4.20	0.53	0.31			
4102-0303A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.21	U		
4102-0303A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.05	U		
4102-0303A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.03	0.03	U		
4102-0303A-HO	9/22/2008	Cesium-137	3.80	10.62	0.02	0.03	U		
4102-0303A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.04	U		
4102-0303A-HO	9/22/2008	Lead-210	7.40	19.80	0.68	0.39			
4102-0303A-HO	9/22/2008	Plutonium-238	55.00	165.13	1.17	4.74	U		
4102-0303A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.30	U		
4102-0303A-HO	9/22/2008	Radium-226	2.90	4.70	0.21	0.10			
4102-0303A-HO	9/22/2008	Thorium-230	2.80	4.60	1.40	4.09	U		
4102-0303A-HO	9/22/2008	Thorium-232	2.10	3.50	0.17	0.12			
4102-0303A-HO	9/22/2008	Uranium-238	2.20	4.20	0.38	0.28			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0304A-HO	9/22/2008	Actinium-227	4.60	13.61	0.06	0.27	U		
4102-0304A-HO	9/22/2008	Americium-241	63.00	189.00	0.03	0.07	U		
4102-0304A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0304A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0304A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.01	0.05	U		
4102-0304A-HO	9/22/2008	Lead-210	7.40	19.80	1.13	0.53			
4102-0304A-HO	9/22/2008	Plutonium-238	55.00	165.13	3.60	6.40	U		
4102-0304A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.65	U		
4102-0304A-HO	9/22/2008	Radium-226	2.90	4.70	0.49	0.12			
4102-0304A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	6.42	U		
4102-0304A-HO	9/22/2008	Thorium-232	2.10	3.50	0.44	0.17			
4102-0304A-HO	9/22/2008	Uranium-238	2.20	4.20	0.36	0.40	U		
4102-0305A-HO	9/22/2008	Actinium-227	4.60	13.61	0.10	0.23	U		
4102-0305A-HO	9/22/2008	Americium-241	63.00	189.00	0.01	0.05	U		
4102-0305A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4102-0305A-HO	9/22/2008	Cesium-137	3.80	10.62	0.03	0.03			
4102-0305A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.04	U		
4102-0305A-HO	9/22/2008	Lead-210	7.40	19.80	0.47	0.55	U		
4102-0305A-HO	9/22/2008	Plutonium-238	55.00	165.13	2.30	5.23	U		
4102-0305A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.17	1.35	U		
4102-0305A-HO	9/22/2008	Radium-226	2.90	4.70	0.58	0.07			
4102-0305A-HO	9/22/2008	Thorium-230	2.80	4.60	0.52	5.12	U		
4102-0305A-HO	9/22/2008	Thorium-232	2.10	3.50	0.36	0.02			
4102-0305A-HO	9/22/2008	Uranium-238	2.20	4.20	0.38	0.32			
4102-0306A-HO	9/22/2008	Actinium-227	4.60	13.61	0.03	0.25	U		
4102-0306A-HO	9/22/2008	Americium-241	63.00	189.00	0.01	0.06	U		
4102-0306A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0306A-HO	9/22/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4102-0306A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.01	0.03	U		
4102-0306A-HO	9/22/2008	Lead-210	7.40	19.80	0.40	0.59	U		
4102-0306A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.29	5.58	U		
4102-0306A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.47	U		
4102-0306A-HO	9/22/2008	Radium-226	2.90	4.70	0.54	0.11			
4102-0306A-HO	9/22/2008	Thorium-230	2.80	4.60	1.10	5.13	U		
4102-0306A-HO	9/22/2008	Thorium-232	2.10	3.50	0.28	0.16			
4102-0306A-HO	9/22/2008	Uranium-238	2.20	4.20	0.33	0.34	U		
4102-0307A-HO	9/22/2008	Actinium-227	4.60	13.61	0.20	0.32	U		
4102-0307A-HO	9/22/2008	Americium-241	63.00	189.00	0.05	0.08	U		
4102-0307A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0307A-HO	9/22/2008	Cesium-137	3.80	10.62	0.01	0.05	U		
4102-0307A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0307A-HO	9/22/2008	Lead-210	7.40	19.80	0.62	0.78	U		
4102-0307A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	7.72	U		
4102-0307A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	2.10	U		
4102-0307A-HO	9/22/2008	Radium-226	2.90	4.70	0.71	0.13			
4102-0307A-HO	9/22/2008	Thorium-230	2.80	4.60	2.64	7.56	U		
4102-0307A-HO	9/22/2008	Thorium-232	2.10	3.50	0.59	0.24			
4102-0307A-HO	9/22/2008	Uranium-238	2.20	4.20	0.98	0.46			
4102-0308A-HO	12/3/2008	Actinium-227	4.60	13.61	0.00	0.25	U		
4102-0308A-HO	12/3/2008	Americium-241	63.00	189.00	0.02	0.06	U		
4102-0308A-HO	12/3/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0308A-HO	12/3/2008	Cesium-137	3.80	10.62	0.03	0.03	U		
4102-0308A-HO	12/3/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4102-0308A-HO	12/3/2008	Lead-210	7.40	19.80	0.60	0.54			
4102-0308A-HO	12/3/2008	Plutonium-238	55.00	165.13	0.34	5.49	U		
4102-0308A-HO	12/3/2008	Protactinium-231	4.00	11.81	0.00	1.44	U		
4102-0308A-HO	12/3/2008	Radium-226	2.90	4.70	0.54	0.12			
4102-0308A-HO	12/3/2008	Thorium-230	2.80	4.60	0.00	6.09	U		
4102-0308A-HO	12/3/2008	Thorium-232	2.10	3.50	0.46	0.11			
4102-0308A-HO	12/3/2008	Uranium-238	2.20	4.20	0.55	0.36			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0309A-HO	12/3/2008	Actinium-227	4.60	13.61	0.00	0.24	U		
4102-0309A-HO	12/3/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0309A-HO	12/3/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0309A-HO	12/3/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4102-0309A-HO	12/3/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4102-0309A-HO	12/3/2008	Lead-210	7.40	19.80	0.68	0.52			
4102-0309A-HO	12/3/2008	Plutonium-238	55.00	165.13	5.69	4.77			
4102-0309A-HO	12/3/2008	Protactinium-231	4.00	11.81	0.00	1.54	U		
4102-0309A-HO	12/3/2008	Radium-226	2.90	4.70	0.57	0.08			
4102-0309A-HO	12/3/2008	Thorium-230	2.80	4.60	3.25	5.12	U		
4102-0309A-HO	12/3/2008	Thorium-232	2.10	3.50	0.46	0.14			
4102-0309A-HO	12/3/2008	Uranium-238	2.20	4.20	0.47	0.35			
4102-0310A-HO	12/8/2008	Actinium-227	4.60	13.61	0.00	0.20	U		
4102-0310A-HO	12/8/2008	Americium-241	63.00	189.00	0.00	0.04	U		
4102-0310A-HO	12/8/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0310A-HO	12/8/2008	Cesium-137	3.80	10.62	0.00	0.03	U		
4102-0310A-HO	12/8/2008	Cobalt-60	0.70	2.10	0.00	0.03	U		
4102-0310A-HO	12/8/2008	Lead-210	7.40	19.80	0.12	0.44	U		
4102-0310A-HO	12/8/2008	Plutonium-238	55.00	165.13	2.20	4.17	U		
4102-0310A-HO	12/8/2008	Protactinium-231	4.00	11.81	0.00	1.01	U		
4102-0310A-HO	12/8/2008	Radium-226	2.90	4.70	0.38	0.09			
4102-0310A-HO	12/8/2008	Thorium-230	2.80	4.60	1.10	3.89	U		
4102-0310A-HO	12/8/2008	Thorium-232	2.10	3.50	0.24	0.10			
4102-0310A-HO	12/8/2008	Uranium-238	2.20	4.20	0.43	0.25			
4102-0311A-HO	9/22/2008	Actinium-227	4.60	13.61	0.07	0.29	U		
4102-0311A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0311A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4102-0311A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0311A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.04	U		
4102-0311A-HO	9/22/2008	Lead-210	7.40	19.80	0.88	0.64			
4102-0311A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	6.63	U		
4102-0311A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.69	U		
4102-0311A-HO	9/22/2008	Radium-226	2.90	4.70	0.91	0.15			
4102-0311A-HO	9/22/2008	Thorium-230	2.80	4.60	1.74	6.44	U		
4102-0311A-HO	9/22/2008	Thorium-232	2.10	3.50	0.37	0.18			
4102-0311A-HO	9/22/2008	Uranium-238	2.20	4.20	0.75	0.42			
4102-0312A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.26	U		
4102-0312A-HO	9/22/2008	Americium-241	63.00	189.00	0.04	0.05	U		
4102-0312A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0312A-HO	9/22/2008	Cesium-137	3.80	10.62	0.01	0.03	U		
4102-0312A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4102-0312A-HO	9/22/2008	Lead-210	7.40	19.80	0.64	0.55			
4102-0312A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.11	5.49	U		
4102-0312A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.43	U		
4102-0312A-HO	9/22/2008	Radium-226	2.90	4.70	0.66	0.09			
4102-0312A-HO	9/22/2008	Thorium-230	2.80	4.60	2.07	5.00	U		
4102-0312A-HO	9/22/2008	Thorium-232	2.10	3.50	0.16	0.12			
4102-0312A-HO	9/22/2008	Uranium-238	2.20	4.20	0.47	0.33			
4102-0313A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.30	U		
4102-0313A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0313A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4102-0313A-HO	9/22/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4102-0313A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4102-0313A-HO	9/22/2008	Lead-210	7.40	19.80	0.44	0.58	U		
4102-0313A-HO	9/22/2008	Plutonium-238	55.00	165.13	2.04	5.30	U		
4102-0313A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.42	U		
4102-0313A-HO	9/22/2008	Radium-226	2.90	4.70	0.53	0.13			
4102-0313A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	6.27	U		
4102-0313A-HO	9/22/2008	Thorium-232	2.10	3.50	0.28	0.16			
4102-0313A-HO	9/22/2008	Uranium-238	2.20	4.20	0.54	0.36			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0314A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.26	U		
4102-0314A-HO	9/22/2008	Americium-241	63.00	189.00	0.02	0.06	U		
4102-0314A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0314A-HO	9/22/2008	Cesium-137	3.80	10.62	0.04	0.04	U		
4102-0314A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0314A-HO	9/22/2008	Lead-210	7.40	19.80	0.67	0.60			
4102-0314A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	6.13	U		
4102-0314A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.18	1.51	U		
4102-0314A-HO	9/22/2008	Radium-226	2.90	4.70	0.57	0.10			
4102-0314A-HO	9/22/2008	Thorium-230	2.80	4.60	2.07	5.91	U		
4102-0314A-HO	9/22/2008	Thorium-232	2.10	3.50	0.33	0.19			
4102-0314A-HO	9/22/2008	Uranium-238	2.20	4.20	0.58	0.38			
4102-0315A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.29	U		
4102-0315A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0315A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0315A-HO	9/22/2008	Cesium-137	3.80	10.62	0.03	0.04	U		
4102-0315A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0315A-HO	9/22/2008	Lead-210	7.40	19.80	0.76	0.62			
4102-0315A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	6.79	U		
4102-0315A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.91	U		
4102-0315A-HO	9/22/2008	Radium-226	2.90	4.70	0.70	0.13			
4102-0315A-HO	9/22/2008	Thorium-230	2.80	4.60	0.34	6.77	U		
4102-0315A-HO	9/22/2008	Thorium-232	2.10	3.50	0.54	0.13			
4102-0315A-HO	9/22/2008	Uranium-238	2.20	4.20	0.55	0.45			
4102-0316A-HO	9/22/2008	Actinium-227	4.60	13.61	0.14	0.34	U		
4102-0316A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.08	U		
4102-0316A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0316A-HO	9/22/2008	Cesium-137	3.80	10.62	0.02	0.06	U		
4102-0316A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0316A-HO	9/22/2008	Lead-210	7.40	19.80	0.91	0.79			
4102-0316A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	7.87	U		
4102-0316A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.99	U		
4102-0316A-HO	9/22/2008	Radium-226	2.90	4.70	0.80	0.16			
4102-0316A-HO	9/22/2008	Thorium-230	2.80	4.60	1.48	7.37	U		
4102-0316A-HO	9/22/2008	Thorium-232	2.10	3.50	0.49	0.22			
4102-0316A-HO	9/22/2008	Uranium-238	2.20	4.20	0.48	0.50	U		
4102-0317A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.32	U		
4102-0317A-HO	9/22/2008	Americium-241	63.00	189.00	0.02	0.07	U		
4102-0317A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4102-0317A-HO	9/22/2008	Cesium-137	3.80	10.62	0.05	0.04			
4102-0317A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.02	0.04	U		
4102-0317A-HO	9/22/2008	Lead-210	7.40	19.80	0.57	0.69	U		
4102-0317A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	7.22	U		
4102-0317A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.62	U		
4102-0317A-HO	9/22/2008	Radium-226	2.90	4.70	0.83	0.08			
4102-0317A-HO	9/22/2008	Thorium-230	2.80	4.60	0.58	6.62	U		
4102-0317A-HO	9/22/2008	Thorium-232	2.10	3.50	0.40	0.18			
4102-0317A-HO	9/22/2008	Uranium-238	2.20	4.20	0.47	0.44			
4102-0318A-HO	9/22/2008	Actinium-227	4.60	13.61	0.02	0.28	U		
4102-0318A-HO	9/22/2008	Americium-241	63.00	189.00	0.01	0.06	U		
4102-0318A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0318A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0318A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.01	0.05	U		
4102-0318A-HO	9/22/2008	Lead-210	7.40	19.80	0.82	0.56			
4102-0318A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	6.11	U		
4102-0318A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.72	U		
4102-0318A-HO	9/22/2008	Radium-226	2.90	4.70	0.64	0.12			
4102-0318A-HO	9/22/2008	Thorium-230	2.80	4.60	4.49	5.71	U		
4102-0318A-HO	9/22/2008	Thorium-232	2.10	3.50	0.39	0.19			
4102-0318A-HO	9/22/2008	Uranium-238	2.20	4.20	0.68	0.38			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0319A-HO	12/3/2008	Actinium-227	4.60	13.61	0.13	0.23	U		
4102-0319A-HO	12/3/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0319A-HO	12/3/2008	Bismuth-210M	8.30	24.90	0.00	0.43	U		
4102-0319A-HO	12/3/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0319A-HO	12/3/2008	Cobalt-60	0.70	2.10	0.03	0.05	U		
4102-0319A-HO	12/3/2008	Lead-210	7.40	19.80	0.66	0.56			
4102-0319A-HO	12/3/2008	Plutonium-238	55.00	165.13	0.52	5.67	U		
4102-0319A-HO	12/3/2008	Protactinium-231	4.00	11.81	0.37	1.38	U		
4102-0319A-HO	12/3/2008	Radium-226	2.90	4.70	0.63	0.08			
4102-0319A-HO	12/3/2008	Thorium-230	2.80	4.60	3.90	5.54	U		
4102-0319A-HO	12/3/2008	Thorium-232	2.10	3.50	0.40	0.19			
4102-0319A-HO	12/3/2008	Uranium-238	2.20	4.20	0.45	0.38			
4102-0320A-HO	12/3/2008	Actinium-227	4.60	13.61	0.00	0.40	U		
4102-0320A-HO	12/3/2008	Americium-241	63.00	189.00	0.00	0.09	U		
4102-0320A-HO	12/3/2008	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4102-0320A-HO	12/3/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0320A-HO	12/3/2008	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0320A-HO	12/3/2008	Lead-210	7.40	19.80	0.48	0.81	U		
4102-0320A-HO	12/3/2008	Plutonium-238	55.00	165.13	0.00	8.18	U		
4102-0320A-HO	12/3/2008	Protactinium-231	4.00	11.81	0.13	1.97	U		
4102-0320A-HO	12/3/2008	Radium-226	2.90	4.70	0.55	0.16			
4102-0320A-HO	12/3/2008	Thorium-230	2.80	4.60	0.97	7.83	U		
4102-0320A-HO	12/3/2008	Thorium-232	2.10	3.50	0.67	0.26			
4102-0320A-HO	12/3/2008	Uranium-238	2.20	4.20	0.74	0.51			
4102-0321A-HO	12/3/2008	Actinium-227	4.60	13.61	0.00	0.30	U		
4102-0321A-HO	12/3/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0321A-HO	12/3/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0321A-HO	12/3/2008	Cesium-137	3.80	10.62	0.02	0.05	U		
4102-0321A-HO	12/3/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0321A-HO	12/3/2008	Lead-210	7.40	19.80	0.55	0.63	U		
4102-0321A-HO	12/3/2008	Plutonium-238	55.00	165.13	0.00	6.19	U		
4102-0321A-HO	12/3/2008	Protactinium-231	4.00	11.81	0.04	1.55	U		
4102-0321A-HO	12/3/2008	Radium-226	2.90	4.70	0.53	0.09			
4102-0321A-HO	12/3/2008	Thorium-230	2.80	4.60	2.93	6.48	U		
4102-0321A-HO	12/3/2008	Thorium-232	2.10	3.50	0.58	0.21			
4102-0321A-HO	12/3/2008	Uranium-238	2.20	4.20	0.33	0.45	U		
4102-0322A-HO	9/22/2008	Actinium-227	4.60	13.61	0.02	0.23	U		
4102-0322A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0322A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0322A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0322A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0322A-HO	9/22/2008	Lead-210	7.40	19.80	0.50	0.52	U		
4102-0322A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	5.47	U		
4102-0322A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.36	U		
4102-0322A-HO	9/22/2008	Radium-226	2.90	4.70	0.45	0.11			
4102-0322A-HO	9/22/2008	Thorium-230	2.80	4.60	2.71	5.04	U		
4102-0322A-HO	9/22/2008	Thorium-232	2.10	3.50	0.22	0.18			
4102-0322A-HO	9/22/2008	Uranium-238	2.20	4.20	0.87	0.33			
4102-0323A-HO	9/22/2008	Actinium-227	4.60	13.61	0.10	0.23	U		
4102-0323A-HO	9/22/2008	Americium-241	63.00	189.00	0.01	0.05	U		
4102-0323A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4102-0323A-HO	9/22/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4102-0323A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.03	0.04	U		
4102-0323A-HO	9/22/2008	Lead-210	7.40	19.80	0.35	0.54	U		
4102-0323A-HO	9/22/2008	Plutonium-238	55.00	165.13	1.86	5.65	U		
4102-0323A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.08	1.47	U		
4102-0323A-HO	9/22/2008	Radium-226	2.90	4.70	0.46	0.12			
4102-0323A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	5.99	U		
4102-0323A-HO	9/22/2008	Thorium-232	2.10	3.50	0.16	0.20	U		
4102-0323A-HO	9/22/2008	Uranium-238	2.20	4.20	0.40	0.33			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0324A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.36	U		
4102-0324A-HO	9/22/2008	Americium-241	63.00	189.00	0.04	0.08	U		
4102-0324A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0324A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0324A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.09	U		
4102-0324A-HO	9/22/2008	Lead-210	7.40	19.80	0.60	0.82	U		
4102-0324A-HO	9/22/2008	Plutonium-238	55.00	165.13	1.01	7.90	U		
4102-0324A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	2.06	U		
4102-0324A-HO	9/22/2008	Radium-226	2.90	4.70	0.69	0.15			
4102-0324A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	7.91	U		
4102-0324A-HO	9/22/2008	Thorium-232	2.10	3.50	0.81	0.22			
4102-0324A-HO	9/22/2008	Uranium-238	2.20	4.20	0.82	0.51			
4102-0325A-HO	9/22/2008	Actinium-227	4.60	13.61	0.17	0.34	U		
4102-0325A-HO	9/22/2008	Americium-241	63.00	189.00	0.03	0.08	U		
4102-0325A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4102-0325A-HO	9/22/2008	Cesium-137	3.80	10.62	0.03	0.04	U		
4102-0325A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.04	0.05	U		
4102-0325A-HO	9/22/2008	Lead-210	7.40	19.80	0.42	0.77	U		
4102-0325A-HO	9/22/2008	Plutonium-238	55.00	165.13	4.41	7.99	U		
4102-0325A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.93	U		
4102-0325A-HO	9/22/2008	Radium-226	2.90	4.70	0.61	0.15			
4102-0325A-HO	9/22/2008	Thorium-230	2.80	4.60	0.06	7.72	U		
4102-0325A-HO	9/22/2008	Thorium-232	2.10	3.50	0.80	0.17			
4102-0325A-HO	9/22/2008	Uranium-238	2.20	4.20	0.85	0.48			
4102-0326A-HO	9/22/2008	Actinium-227	4.60	13.61	0.19	0.35	U		
4102-0326A-HO	9/22/2008	Americium-241	63.00	189.00	0.03	0.09	U		
4102-0326A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0326A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0326A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.09	U		
4102-0326A-HO	9/22/2008	Lead-210	7.40	19.80	0.62	0.82	U		
4102-0326A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	8.71	U		
4102-0326A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.44	1.96	U		
4102-0326A-HO	9/22/2008	Radium-226	2.90	4.70	0.74	0.15			
4102-0326A-HO	9/22/2008	Thorium-230	2.80	4.60	0.00	8.34	U		
4102-0326A-HO	9/22/2008	Thorium-232	2.10	3.50	0.82	0.22			
4102-0326A-HO	9/22/2008	Uranium-238	2.20	4.20	0.88	0.51			
4102-0327A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.25	U		
4102-0327A-HO	9/22/2008	Americium-241	63.00	189.00	0.03	0.05	U		
4102-0327A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4102-0327A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0327A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0327A-HO	9/22/2008	Lead-210	7.40	19.80	0.33	0.52	U		
4102-0327A-HO	9/22/2008	Plutonium-238	55.00	165.13	1.55	5.16	U		
4102-0327A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.00	1.42	U		
4102-0327A-HO	9/22/2008	Radium-226	2.90	4.70	0.54	0.08			
4102-0327A-HO	9/22/2008	Thorium-230	2.80	4.60	1.32	4.96	U		
4102-0327A-HO	9/22/2008	Thorium-232	2.10	3.50	0.22	0.16			
4102-0327A-HO	9/22/2008	Uranium-238	2.20	4.20	0.25	0.34	U		
4102-0328A-HO	9/22/2008	Actinium-227	4.60	13.61	0.00	0.25	U		
4102-0328A-HO	9/22/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0328A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4102-0328A-HO	9/22/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0328A-HO	9/22/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4102-0328A-HO	9/22/2008	Lead-210	7.40	19.80	0.34	0.61	U		
4102-0328A-HO	9/22/2008	Plutonium-238	55.00	165.13	0.00	5.80	U		
4102-0328A-HO	9/22/2008	Protactinium-231	4.00	11.81	0.60	1.27	U		
4102-0328A-HO	9/22/2008	Radium-226	2.90	4.70	0.70	0.10			
4102-0328A-HO	9/22/2008	Thorium-230	2.80	4.60	1.68	5.41	U		
4102-0328A-HO	9/22/2008	Thorium-232	2.10	3.50	0.44	0.10			
4102-0328A-HO	9/22/2008	Uranium-238	2.20	4.20	0.64	0.33			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0329A-HO	12/3/2008	Actinium-227	4.60	13.61	0.03	0.23	U		
4102-0329A-HO	12/3/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0329A-HO	12/3/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0329A-HO	12/3/2008	Cesium-137	3.80	10.62	0.01	0.04	U		
4102-0329A-HO	12/3/2008	Cobalt-60	0.70	2.10	0.04	0.03			
4102-0329A-HO	12/3/2008	Lead-210	7.40	19.80	0.41	0.52	U		
4102-0329A-HO	12/3/2008	Plutonium-238	55.00	165.13	0.00	5.39	U		
4102-0329A-HO	12/3/2008	Protactinium-231	4.00	11.81	0.14	1.28	U		
4102-0329A-HO	12/3/2008	Radium-226	2.90	4.70	0.55	0.10			
4102-0329A-HO	12/3/2008	Thorium-230	2.80	4.60	0.00	5.41	U		
4102-0329A-HO	12/3/2008	Thorium-232	2.10	3.50	0.19	0.16			
4102-0329A-HO	12/3/2008	Uranium-238	2.20	4.20	0.25	0.34	U		
4102-0330A-HO	12/3/2008	Actinium-227	4.60	13.61	0.08	0.24	U		
4102-0330A-HO	12/3/2008	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0330A-HO	12/3/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4102-0330A-HO	12/3/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0330A-HO	12/3/2008	Cobalt-60	0.70	2.10	0.02	0.04	U		
4102-0330A-HO	12/3/2008	Lead-210	7.40	19.80	0.34	0.57	U		
4102-0330A-HO	12/3/2008	Plutonium-238	55.00	165.13	0.59	5.25	U		
4102-0330A-HO	12/3/2008	Protactinium-231	4.00	11.81	0.45	1.33	U		
4102-0330A-HO	12/3/2008	Radium-226	2.90	4.70	0.56	0.11			
4102-0330A-HO	12/3/2008	Thorium-230	2.80	4.60	0.41	5.65	U		
4102-0330A-HO	12/3/2008	Thorium-232	2.10	3.50	0.41	0.16			
4102-0330A-HO	12/3/2008	Uranium-238	2.20	4.20	0.32	0.37	U		
4102-0331A-HO	12/3/2008	Actinium-227	4.60	13.61	0.00	0.27	U		
4102-0331A-HO	12/3/2008	Americium-241	63.00	189.00	0.02	0.06	U		
4102-0331A-HO	12/3/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0331A-HO	12/3/2008	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0331A-HO	12/3/2008	Cobalt-60	0.70	2.10	0.00	0.05	U		
4102-0331A-HO	12/3/2008	Lead-210	7.40	19.80	0.00	0.60	U		
4102-0331A-HO	12/3/2008	Plutonium-238	55.00	165.13	0.00	5.48	U		
4102-0331A-HO	12/3/2008	Protactinium-231	4.00	11.81	0.61	1.25	U		
4102-0331A-HO	12/3/2008	Radium-226	2.90	4.70	0.47	0.11			
4102-0331A-HO	12/3/2008	Thorium-230	2.80	4.60	1.09	5.44	U		
4102-0331A-HO	12/3/2008	Thorium-232	2.10	3.50	0.51	0.14			
4102-0331A-HO	12/3/2008	Uranium-238	2.20	4.20	0.47	0.35			
4102-0332A-HO	9/23/2008	Actinium-227	4.60	13.61	0.12	0.20	U		
4102-0332A-HO	9/23/2008	Americium-241	63.00	189.00	0.00	0.05	U		
4102-0332A-HO	9/23/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0332A-HO	9/23/2008	Cesium-137	3.80	10.62	0.03	0.03	U		
4102-0332A-HO	9/23/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0332A-HO	9/23/2008	Lead-210	7.40	19.80	0.48	0.49	U		
4102-0332A-HO	9/23/2008	Plutonium-238	55.00	165.13	0.00	5.56	U		
4102-0332A-HO	9/23/2008	Protactinium-231	4.00	11.81	0.00	1.47	U		
4102-0332A-HO	9/23/2008	Radium-226	2.90	4.70	0.32	0.09			
4102-0332A-HO	9/23/2008	Thorium-230	2.80	4.60	1.16	4.65	U		
4102-0332A-HO	9/23/2008	Thorium-232	2.10	3.50	0.23	0.13			
4102-0332A-HO	9/23/2008	Uranium-238	2.20	4.20	0.12	0.34	U		
4102-0333A-HO	9/23/2008	Actinium-227	4.60	13.61	0.02	0.21	U		
4102-0333A-HO	9/23/2008	Americium-241	63.00	189.00	0.01	0.05	U		
4102-0333A-HO	9/23/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0333A-HO	9/23/2008	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0333A-HO	9/23/2008	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0333A-HO	9/23/2008	Lead-210	7.40	19.80	0.48	0.44			
4102-0333A-HO	9/23/2008	Plutonium-238	55.00	165.13	0.00	4.77	U		
4102-0333A-HO	9/23/2008	Protactinium-231	4.00	11.81	0.00	1.48	U		
4102-0333A-HO	9/23/2008	Radium-226	2.90	4.70	0.21	0.11			
4102-0333A-HO	9/23/2008	Thorium-230	2.80	4.60	1.27	4.46	U		
4102-0333A-HO	9/23/2008	Thorium-232	2.10	3.50	0.28	0.08			
4102-0333A-HO	9/23/2008	Uranium-238	2.20	4.20	0.41	0.28			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0334A-HO	9/23/2008	Actinium-227	4.60	13.61	0.06	0.30	U		
4102-0334A-HO	9/23/2008	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0334A-HO	9/23/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0334A-HO	9/23/2008	Cesium-137	3.80	10.62	0.02	0.05	U		
4102-0334A-HO	9/23/2008	Cobalt-60	0.70	2.10	0.02	0.04	U		
4102-0334A-HO	9/23/2008	Lead-210	7.40	19.80	0.89	0.63			
4102-0334A-HO	9/23/2008	Plutonium-238	55.00	165.13	0.00	6.69	U		
4102-0334A-HO	9/23/2008	Protactinium-231	4.00	11.81	0.00	1.84	U		
4102-0334A-HO	9/23/2008	Radium-226	2.90	4.70	0.59	0.14			
4102-0334A-HO	9/23/2008	Thorium-230	2.80	4.60	0.00	6.65	U		
4102-0334A-HO	9/23/2008	Thorium-232	2.10	3.50	0.52	0.13			
4102-0334A-HO	9/23/2008	Uranium-238	2.20	4.20	0.71	0.41			
4102-0335B-HO	4/27/2009	Actinium-227	4.60	13.61	0.02	0.16	U		
4102-0335B-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.04	U		
4102-0335B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.03	U		
4102-0335B-HO	4/27/2009	Cesium-137	3.80	10.62	0.02	0.03	U		
4102-0335B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.02	0.03	U		
4102-0335B-HO	4/27/2009	Lead-210	7.40	19.80	0.60	0.35			
4102-0335B-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	3.95	U		
4102-0335B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.47	0.88	U		
4102-0335B-HO	4/27/2009	Radium-226	2.90	4.70	0.76	0.07			
4102-0335B-HO	4/27/2009	Thorium-230	2.80	4.60	0.19	3.71	U		
4102-0335B-HO	4/27/2009	Thorium-232	2.10	3.50	0.57	0.11			
4102-0335B-HO	4/27/2009	Uranium-238	2.20	4.20	1.04	0.22			
4102-0336B-HO	4/27/2009	Actinium-227	4.60	13.61	0.09	0.39	U		
4102-0336B-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4102-0336B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0336B-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.08	U		
4102-0336B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4102-0336B-HO	4/27/2009	Lead-210	7.40	19.80	0.63	0.87	U		
4102-0336B-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	8.91	U		
4102-0336B-HO	4/27/2009	Protactinium-231	4.00	11.81	1.13	1.89	U		
4102-0336B-HO	4/27/2009	Radium-226	2.90	4.70	0.67	0.15			
4102-0336B-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	9.15	U		
4102-0336B-HO	4/27/2009	Thorium-232	2.10	3.50	0.82	0.29			
4102-0336B-HO	4/27/2009	Uranium-238	2.20	4.20	0.50	0.55	U		
4102-0337B-HO	4/27/2009	Actinium-227	4.60	13.61	0.08	0.41	U		
4102-0337B-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4102-0337B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0337B-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4102-0337B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.11	U		
4102-0337B-HO	4/27/2009	Lead-210	7.40	19.80	0.88	0.79			
4102-0337B-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	9.63	U		
4102-0337B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.40	2.13	U		
4102-0337B-HO	4/27/2009	Radium-226	2.90	4.70	0.65	0.19			
4102-0337B-HO	4/27/2009	Thorium-230	2.80	4.60	3.17	7.96	U		
4102-0337B-HO	4/27/2009	Thorium-232	2.10	3.50	0.64	0.26			
4102-0337B-HO	4/27/2009	Uranium-238	2.20	4.20	0.85	0.56			
4102-0338B-HO	4/27/2009	Actinium-227	4.60	13.61	0.01	0.24	U		
4102-0338B-HO	4/27/2009	Americium-241	63.00	189.00	0.01	0.06	U		
4102-0338B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4102-0338B-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0338B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0338B-HO	4/27/2009	Lead-210	7.40	19.80	0.65	0.52			
4102-0338B-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	6.45	U		
4102-0338B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.00	1.50	U		
4102-0338B-HO	4/27/2009	Radium-226	2.90	4.70	0.59	0.10			
4102-0338B-HO	4/27/2009	Thorium-230	2.80	4.60	3.47	5.45	U		
4102-0338B-HO	4/27/2009	Thorium-232	2.10	3.50	0.18	0.15			
4102-0338B-HO	4/27/2009	Uranium-238	2.20	4.20	0.48	0.35			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0339B-HO	4/27/2009	Actinium-227	4.60	13.61	0.04	0.29	U		
4102-0339B-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4102-0339B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4102-0339B-HO	4/27/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4102-0339B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0339B-HO	4/27/2009	Lead-210	7.40	19.80	0.50	0.67	U		
4102-0339B-HO	4/27/2009	Plutonium-238	55.00	165.13	1.46	6.99	U		
4102-0339B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.00	1.74	U		
4102-0339B-HO	4/27/2009	Radium-226	2.90	4.70	0.64	0.13			
4102-0339B-HO	4/27/2009	Thorium-230	2.80	4.60	1.53	6.56	U		
4102-0339B-HO	4/27/2009	Thorium-232	2.10	3.50	0.36	0.20			
4102-0339B-HO	4/27/2009	Uranium-238	2.20	4.20	0.59	0.41			
4102-0340B-HO	4/27/2009	Actinium-227	4.60	13.61	0.01	0.23	U		
4102-0340B-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4102-0340B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4102-0340B-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4102-0340B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4102-0340B-HO	4/27/2009	Lead-210	7.40	19.80	0.23	0.52	U		
4102-0340B-HO	4/27/2009	Plutonium-238	55.00	165.13	0.01	5.50	U		
4102-0340B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.40	1.20	U		
4102-0340B-HO	4/27/2009	Radium-226	2.90	4.70	0.56	0.10			
4102-0340B-HO	4/27/2009	Thorium-230	2.80	4.60	0.41	5.09	U		
4102-0340B-HO	4/27/2009	Thorium-232	2.10	3.50	0.19	0.17			
4102-0340B-HO	4/27/2009	Uranium-238	2.20	4.20	0.55	0.32			
4102-0341B-HO	4/27/2009	Actinium-227	4.60	13.61	0.05	0.29	U		
4102-0341B-HO	4/27/2009	Americium-241	63.00	189.00	0.03	0.07	U		
4102-0341B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4102-0341B-HO	4/27/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4102-0341B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4102-0341B-HO	4/27/2009	Lead-210	7.40	19.80	0.16	0.70	U		
4102-0341B-HO	4/27/2009	Plutonium-238	55.00	165.13	4.19	6.41	U		
4102-0341B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.74	1.47	U		
4102-0341B-HO	4/27/2009	Radium-226	2.90	4.70	0.67	0.12			
4102-0341B-HO	4/27/2009	Thorium-230	2.80	4.60	4.52	6.04	U		
4102-0341B-HO	4/27/2009	Thorium-232	2.10	3.50	0.26	0.23			
4102-0341B-HO	4/27/2009	Uranium-238	2.20	4.20	0.75	0.41			
4102-0342B-HO	4/27/2009	Actinium-227	4.60	13.61	0.00	0.36	U		
4102-0342B-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4102-0342B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4102-0342B-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0342B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.02	0.06	U		
4102-0342B-HO	4/27/2009	Lead-210	7.40	19.80	0.86	0.75			
4102-0342B-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	8.33	U		
4102-0342B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.00	2.23	U		
4102-0342B-HO	4/27/2009	Radium-226	2.90	4.70	0.89	0.13			
4102-0342B-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	8.33	U		
4102-0342B-HO	4/27/2009	Thorium-232	2.10	3.50	0.69	0.27			
4102-0342B-HO	4/27/2009	Uranium-238	2.20	4.20	0.79	0.51			
4102-0343B-HO	4/27/2009	Actinium-227	4.60	13.61	0.00	0.41	U		
4102-0343B-HO	4/27/2009	Americium-241	63.00	189.00	0.04	0.09	U		
4102-0343B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0343B-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0343B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4102-0343B-HO	4/27/2009	Lead-210	7.40	19.80	0.94	0.83			
4102-0343B-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	8.91	U		
4102-0343B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.49	2.03	U		
4102-0343B-HO	4/27/2009	Radium-226	2.90	4.70	0.85	0.15			
4102-0343B-HO	4/27/2009	Thorium-230	2.80	4.60	0.89	8.63	U		
4102-0343B-HO	4/27/2009	Thorium-232	2.10	3.50	0.63	0.30			
4102-0343B-HO	4/27/2009	Uranium-238	2.20	4.20	0.92	0.54			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0344B-HO	4/27/2009	Actinium-227	4.60	13.61	0.00	0.44	U		
4102-0344B-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4102-0344B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.03	0.07	U		
4102-0344B-HO	4/27/2009	Cesium-137	3.80	10.62	0.02	0.07	U		
4102-0344B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.02	0.08	U		
4102-0344B-HO	4/27/2009	Lead-210	7.40	19.80	0.92	0.93	U		
4102-0344B-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	9.40	U		
4102-0344B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.00	2.28	U		
4102-0344B-HO	4/27/2009	Radium-226	2.90	4.70	1.10	0.13			
4102-0344B-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	9.50	U		
4102-0344B-HO	4/27/2009	Thorium-232	2.10	3.50	1.09	0.21			
4102-0344B-HO	4/27/2009	Uranium-238	2.20	4.20	0.97	0.61			
4102-0345B-HO	4/27/2009	Actinium-227	4.60	13.61	0.00	0.28	U		
4102-0345B-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4102-0345B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0345B-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4102-0345B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4102-0345B-HO	4/27/2009	Lead-210	7.40	19.80	0.43	0.65	U		
4102-0345B-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	6.67	U		
4102-0345B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.52	1.58	U		
4102-0345B-HO	4/27/2009	Radium-226	2.90	4.70	0.64	0.08			
4102-0345B-HO	4/27/2009	Thorium-230	2.80	4.60	1.59	6.20	U		
4102-0345B-HO	4/27/2009	Thorium-232	2.10	3.50	0.39	0.16			
4102-0345B-HO	4/27/2009	Uranium-238	2.20	4.20	0.56	0.40			
4102-0346B-HO	4/27/2009	Actinium-227	4.60	13.61	0.14	0.42	U		
4102-0346B-HO	4/27/2009	Americium-241	63.00	189.00	0.01	0.10	U		
4102-0346B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4102-0346B-HO	4/27/2009	Cesium-137	3.80	10.62	0.02	0.07	U		
4102-0346B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.12	U		
4102-0346B-HO	4/27/2009	Lead-210	7.40	19.80	1.11	0.91			
4102-0346B-HO	4/27/2009	Plutonium-238	55.00	165.13	0.89	9.42	U		
4102-0346B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.20	2.28	U		
4102-0346B-HO	4/27/2009	Radium-226	2.90	4.70	0.80	0.18			
4102-0346B-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	9.05	U		
4102-0346B-HO	4/27/2009	Thorium-232	2.10	3.50	0.98	0.25			
4102-0346B-HO	4/27/2009	Uranium-238	2.20	4.20	1.41	0.53			
4102-0347B-HO	4/27/2009	Actinium-227	4.60	13.61	0.00	0.23	U		
4102-0347B-HO	4/27/2009	Americium-241	63.00	189.00	0.04	0.05	U		
4102-0347B-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4102-0347B-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4102-0347B-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4102-0347B-HO	4/27/2009	Lead-210	7.40	19.80	0.37	0.51	U		
4102-0347B-HO	4/27/2009	Plutonium-238	55.00	165.13	1.80	5.38	U		
4102-0347B-HO	4/27/2009	Protactinium-231	4.00	11.81	0.16	1.34	U		
4102-0347B-HO	4/27/2009	Radium-226	2.90	4.70	0.34	0.08			
4102-0347B-HO	4/27/2009	Thorium-230	2.80	4.60	3.73	5.17	U		
4102-0347B-HO	4/27/2009	Thorium-232	2.10	3.50	0.34	0.17			
4102-0347B-HO	4/27/2009	Uranium-238	2.20	4.20	0.16	0.35	U		
4102-0348A-HO	4/27/2009	Actinium-227	4.60	13.61	0.00	0.45	U		
4102-0348A-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4102-0348A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4102-0348A-HO	4/27/2009	Cesium-137	3.80	10.62	0.01	0.07	U		
4102-0348A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.05	0.07	U		
4102-0348A-HO	4/27/2009	Lead-210	7.40	19.80	0.58	0.95	U		
4102-0348A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	10.31	U		
4102-0348A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.00	2.26	U		
4102-0348A-HO	4/27/2009	Radium-226	2.90	4.70	0.94	0.16			
4102-0348A-HO	4/27/2009	Thorium-230	2.80	4.60	1.77	9.81	U		
4102-0348A-HO	4/27/2009	Thorium-232	2.10	3.50	1.07	0.33			
4102-0348A-HO	4/27/2009	Uranium-238	2.20	4.20	1.49	0.57			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0349A-HO	4/27/2009	Actinium-227	4.60	13.61	0.07	0.32	U		
4102-0349A-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4102-0349A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4102-0349A-HO	4/27/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4102-0349A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4102-0349A-HO	4/27/2009	Lead-210	7.40	19.80	0.57	0.71	U		
4102-0349A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	7.43	U		
4102-0349A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.90	1.70	U		
4102-0349A-HO	4/27/2009	Radium-226	2.90	4.70	0.75	0.11			
4102-0349A-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	7.92	U		
4102-0349A-HO	4/27/2009	Thorium-232	2.10	3.50	0.76	0.22			
4102-0349A-HO	4/27/2009	Uranium-238	2.20	4.20	0.88	0.45			
CO	Cleanup Objective								
HS	Hot Spot Criteria								
A-HO	Hot Spot Original								
"X"-HO	Hot Spot Remediate and Resample (ie. B, C, etc.)								
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit								

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0239A-HO	9/19/2008	Actinium 227	4.60	13.61	-0.21	0.15	U		
4102-0239A-HO	9/19/2008	Actinium 228	1.93	5.80	0.16	0.22	U		
4102-0239A-HO	9/19/2008	Americium 241	63.00	189.00	-0.008	0.13	U		
4102-0239A-HO	9/19/2008	Bismuth 214	1.17	3.51	0.4	0.15			
4102-0239A-HO	9/19/2008	Bismuth-207	1.20	3.60	0	0.064	U		
4102-0239A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.028	0.073	U		
4102-0239A-HO	9/19/2008	Cesium 137	3.80	10.62	-0.005	0.081	U		
4102-0239A-HO	9/19/2008	Cobalt 60	0.70	2.10	0	0.029	U		
4102-0239A-HO	9/19/2008	Lead 210	7.40	19.80	0.8	1.7	U		
4102-0239A-HO	9/19/2008	Lead 212	16.60	49.80	0.195	0.11			
4102-0239A-HO	9/19/2008	Lead 214	8.92	26.80	0.58	0.12			
4102-0239A-HO	9/19/2008	Plutonium 238	55.00	165.13	0.19	0.18	J		
4102-0239A-HO	9/19/2008	Plutonium 239/40	62.00	181.00	0.001	0.13	U		
4102-0239A-HO	9/19/2008	Protactinium 231	4.00	11.81	-0.24	1.5	U		
4102-0239A-HO	9/19/2008	Radium (226)	2.90	4.70	0.4	0.15			
4102-0239A-HO	9/19/2008	Thorium 228	2.60	4.80	0.7	0.19	J		
4102-0239A-HO	9/19/2008	Thorium 229	5.06	15.20	0.21	0.83	U		
4102-0239A-HO	9/19/2008	Thorium 230	2.80	4.60	1.08	0.13	J		
4102-0239A-HO	9/19/2008	Thorium 232	2.10	3.50	0.5	0.15	J		
4102-0239A-HO	9/19/2008	Uranium 233/234	2.00	14.50	0.63	0.09	J		
4102-0239A-HO	9/19/2008	Uranium 235	3.10	9.29	0.02	0.34	U		
4102-0239A-HO	9/19/2008	Uranium 235/236	3.10	9.29	0.043	0.13	U		
4102-0239A-HO	9/19/2008	Uranium 238	2.2	4.2	0.64	0.1	J		
4102-0239A-HO	9/19/2008	Uranium 238	2.2	4.2	0.29	1.6	U		
4102-0246A-HO	11/8/2008	Thorium 228	2.60	4.80	1.88	0.09	J		
4102-0246A-HO	11/8/2008	Thorium 230	2.80	4.60	2.71	0.14			
4102-0246A-HO	11/8/2008	Thorium 232	2.10	3.50	1.56	0.09	J		
4102-0246A-HO	11/10/2008	Uranium 233/234	2.00	14.50	0.71	0.11	J		
4102-0246A-HO	11/10/2008	Uranium 235/236	3.10	9.29	0.091	0.1	U		
4102-0246A-HO	11/10/2008	Uranium 238	2.2	4.2	1.07	0.1	J		
4102-0251A-HO	9/19/2008	Actinium 227	4.60	13.61	0.12	0.32	U		
4102-0251A-HO	9/19/2008	Actinium 228	1.93	5.80	1.15	0.19			
4102-0251A-HO	9/19/2008	Americium 241	63.00	189.00	0.15	0.18	U		
4102-0251A-HO	9/19/2008	Bismuth 214	1.17	3.51	0.73	0.1			
4102-0251A-HO	9/19/2008	Bismuth-207	1.20	3.60	0.03	0.074	U		
4102-0251A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.022	0.086	U		
4102-0251A-HO	9/19/2008	Cesium 137	3.80	10.62	0.014	0.1	U		
4102-0251A-HO	9/19/2008	Cobalt 60	0.70	2.10	0	0.051	U		
4102-0251A-HO	9/19/2008	Lead 210	7.40	19.80	1.7	2.3	U		
4102-0251A-HO	9/19/2008	Lead 212	16.60	49.80	0.98	0.15			
4102-0251A-HO	9/19/2008	Lead 214	8.92	26.80	0.48	0.18			
4102-0251A-HO	9/19/2008	Plutonium 238	55.00	165.13	25	0.1			
4102-0251A-HO	9/19/2008	Plutonium 239/40	62.00	181.00	0.2	0.08			
4102-0251A-HO	9/19/2008	Protactinium 231	4.00	11.81	-0.4	2.2	U		
4102-0251A-HO	9/19/2008	Radium (226)	2.90	4.70	0.73	0.1			
4102-0251A-HO	9/19/2008	Thorium 228	2.60	4.80	2.1	0.19			
4102-0251A-HO	9/19/2008	Thorium 229	5.06	15.20	0.42	1	U		
4102-0251A-HO	9/19/2008	Thorium 230	2.80	4.60	2.29	0.13			
4102-0251A-HO	9/19/2008	Thorium 232	2.10	3.50	1.8	0.1	J		
4102-0251A-HO	9/19/2008	Uranium 233/234	2.00	14.50	1.02	0.13	J		
4102-0251A-HO	9/19/2008	Uranium 235	3.10	9.29	-0.02	0.46	U		
4102-0251A-HO	9/19/2008	Uranium 235/236	3.10	9.29	0.1	0.12	U		
4102-0251A-HO	9/19/2008	Uranium 238	2.2	4.2	0.88	0.09	J		
4102-0251A-HO	9/19/2008	Uranium 238	2.2	4.2	0.5	1.9	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0256A-HO	12/8/2008	Actinium 227	4.60	13.61	0.2	0.23	U		
4102-0256A-HO	12/8/2008	Actinium 228	1.93	5.80	0.4	0.19			
4102-0256A-HO	12/8/2008	Americium 241	63.00	189.00	0.07	0.16	U		
4102-0256A-HO	12/8/2008	Bismuth 214	1.17	3.51	0.63	0.11			
4102-0256A-HO	12/8/2008	Bismuth-207	1.20	3.60	-0.005	0.062	U		
4102-0256A-HO	12/8/2008	Bismuth-210M	8.30	24.90	-0.0002	0.083	U		
4102-0256A-HO	12/8/2008	Cesium 137	3.80	10.62	-0.014	0.079	U		
4102-0256A-HO	12/8/2008	Cobalt 60	0.70	2.10	0	0.034	U		
4102-0256A-HO	12/8/2008	Lead 210	7.40	19.80	0.8	2.1	U		
4102-0256A-HO	12/8/2008	Lead 212	16.60	49.80	0.43	0.12			
4102-0256A-HO	12/8/2008	Lead 214	8.92	26.80	0.55	0.15			
4102-0256A-HO	12/8/2008	Plutonium 238	55.00	165.13	38.6	0.3			
4102-0256A-HO	12/8/2008	Plutonium 239/40	62.00	181.00	1.74	0.3			
4102-0256A-HO	12/8/2008	Protactinium 231	4.00	11.81	0.23	1.7	U		
4102-0256A-HO	12/8/2008	Radium (226)	2.90	4.70	0.63	0.11			
4102-0256A-HO	12/8/2008	Thorium 228	2.60	4.80	0.5	0.04			
4102-0256A-HO	12/8/2008	Thorium 229	5.06	15.20	-0.01	0.96	U		
4102-0256A-HO	12/8/2008	Thorium 230	2.80	4.60	0.82	0.03			
4102-0256A-HO	12/8/2008	Thorium 232	2.10	3.50	0.44	0.03			
4102-0256A-HO	12/8/2008	Uranium 233/234	2.00	14.50	1.27	0.04			
4102-0256A-HO	12/8/2008	Uranium 235	3.10	9.29	0.006	0.34	U		
4102-0256A-HO	12/8/2008	Uranium 235	3.10	9.29	0.09	0.027	J		
4102-0256A-HO	12/8/2008	Uranium 238	2.2	4.2	1	1.6	U		
4102-0256A-HO	12/8/2008	Uranium 238	2.2	4.2	0.75	0.02			
4102-0257A-HO	9/19/2008	Actinium 227	4.60	13.61	0.47	0.18			
4102-0257A-HO	9/19/2008	Actinium 228	1.93	5.80	1.48	0.12			
4102-0257A-HO	9/19/2008	Americium 241	63.00	189.00	0.02	0.2	U		
4102-0257A-HO	9/19/2008	Bismuth 214	1.17	3.51	0.76	0.11			
4102-0257A-HO	9/19/2008	Bismuth-207	1.20	3.60	0.022	0.079	U		
4102-0257A-HO	9/19/2008	Bismuth-210M	8.30	24.90	0.008	0.12	U		
4102-0257A-HO	9/19/2008	Cesium 137	3.80	10.62	0.1	0.044	J		
4102-0257A-HO	9/19/2008	Cobalt 60	0.70	2.10	-0.023	0.13	U		
4102-0257A-HO	9/19/2008	Lead 210	7.40	19.80	-0.06	2.4	U		
4102-0257A-HO	9/19/2008	Lead 212	16.60	49.80	1.16	0.16			
4102-0257A-HO	9/19/2008	Lead 214	8.92	26.80	0.66	0.12			
4102-0257A-HO	9/19/2008	Plutonium 238	55.00	165.13	6.76	0.19			
4102-0257A-HO	9/19/2008	Plutonium 239/40	62.00	181.00	0.035	0.11	U		
4102-0257A-HO	9/19/2008	Protactinium 231	4.00	11.81	-0.3	2.4	U		
4102-0257A-HO	9/19/2008	Radium (226)	2.90	4.70	0.76	0.11			
4102-0257A-HO	9/19/2008	Thorium 228	2.60	4.80	2.03	0.17			
4102-0257A-HO	9/19/2008	Thorium 229	5.06	15.20	0.5	1.2	U		
4102-0257A-HO	9/19/2008	Thorium 230	2.80	4.60	2.34	0.1			
4102-0257A-HO	9/19/2008	Thorium 232	2.10	3.50	1.97	0.1	J		
4102-0257A-HO	9/19/2008	Uranium 233/234	2.00	14.50	1.22	0.11	J		
4102-0257A-HO	9/19/2008	Uranium 235	3.10	9.29	0.16	0.53	U		
4102-0257A-HO	9/19/2008	Uranium 235/236	3.10	9.29	0.051	0.069	U		
4102-0257A-HO	9/19/2008	Uranium 238	2.2	4.2	1.24	0.1	J		
4102-0257A-HO	9/19/2008	Uranium 238	2.2	4.2	0.4	2.3	U		
4102-0268A-HO	11/8/2008	Thorium 228	2.60	4.80	1.6	0.12	J		
4102-0268A-HO	11/8/2008	Thorium 230	2.80	4.60	2.26	0.11			
4102-0268A-HO	11/8/2008	Thorium 232	2.10	3.50	1.62	0.09	J		
4102-0268A-HO	11/10/2008	Uranium 233/234	2.00	14.50	0.91	0.15	J		
4102-0268A-HO	11/10/2008	Uranium 235/236	3.10	9.29	0.039	0.15	U		
4102-0268A-HO	11/10/2008	Uranium 238	2.2	4.2	0.79	0.13	J		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0272A-HO	9/22/2008	Actinium 227	4.60	13.61	0.06	0.57	U		
4102-0272A-HO	9/22/2008	Actinium 228	1.93	5.80	0.63	0.26			
4102-0272A-HO	9/22/2008	Americium 241	63.00	189.00	0.28	0.14			
4102-0272A-HO	9/22/2008	Bismuth 214	1.17	3.51	0.5	0.14			
4102-0272A-HO	9/22/2008	Bismuth-207	1.20	3.60	-0.001	0.066	U		
4102-0272A-HO	9/22/2008	Bismuth-210M	8.30	24.90	0.009	0.094	U		
4102-0272A-HO	9/22/2008	Cesium 137	3.80	10.62	0.007	0.097	U		
4102-0272A-HO	9/22/2008	Cobalt 60	0.70	2.10	0	0.11	U		
4102-0272A-HO	9/22/2008	Lead 210	7.40	19.80	0.2	2.3	U		
4102-0272A-HO	9/22/2008	Lead 212	16.60	49.80	0.92	0.13			
4102-0272A-HO	9/22/2008	Lead 214	8.92	26.80	0.71	0.1			
4102-0272A-HO	9/22/2008	Plutonium 238	55.00	165.13	19.9	0.2			
4102-0272A-HO	9/22/2008	Plutonium 239/40	62.00	181.00	0.14	0.15	U		
4102-0272A-HO	9/22/2008	Protactinium 231	4.00	11.81	-0.5	1.9	U		
4102-0272A-HO	9/22/2008	Radium (226)	2.90	4.70	0.5	0.14			
4102-0272A-HO	9/22/2008	Thorium 228	2.60	4.80	1.11	0.17	J		
4102-0272A-HO	9/22/2008	Thorium 229	5.06	15.20	-0.22	0.98	U		
4102-0272A-HO	9/22/2008	Thorium 230	2.80	4.60	2.43	0.12			
4102-0272A-HO	9/22/2008	Thorium 232	2.10	3.50	1	0.07	J		
4102-0272A-HO	9/22/2008	Uranium 233/234	2.00	14.50	1.07	0.09	J		
4102-0272A-HO	9/22/2008	Uranium 235	3.10	9.29	0.16	0.41	U		
4102-0272A-HO	9/22/2008	Uranium 235/236	3.10	9.29	0.019	0.098	U		
4102-0272A-HO	9/22/2008	Uranium 238	2.2	4.2	1.2	1.8	U		
4102-0272A-HO	9/22/2008	Uranium 238	2.2	4.2	0.87	0.05	J		
4102-0277A-HO	12/8/2008	Actinium 227	2.60	4.80	-0.03	0.58	U		
4102-0277A-HO	12/8/2008	Actinium 228	2.80	4.60	0.43	0.44	U		
4102-0277A-HO	12/8/2008	Americium 241	2.10	3.50	-0.06	0.21	U		
4102-0277A-HO	12/8/2008	Bismuth 214	2.00	14.50	0.97	0.15			
4102-0277A-HO	12/8/2008	Bismuth-207	3.10	9.29	0.004	0.088	U		
4102-0277A-HO	12/8/2008	Bismuth-210M	2.2	4.2	0.009	0.1	U		
4102-0277A-HO	12/8/2008	Cesium 137	4.60	13.61	0.016	0.13	U		
4102-0277A-HO	12/8/2008	Cobalt 60	1.93	5.80	-0.04	0.1	U		
4102-0277A-HO	12/8/2008	Lead 210	63.00	189.00	0.8	2.7	U		
4102-0277A-HO	12/8/2008	Lead 212	1.17	3.51	0.59	0.12			
4102-0277A-HO	12/8/2008	Lead 214	1.20	3.60	0.87	0.13			
4102-0277A-HO	12/8/2008	Plutonium 238	8.30	24.90	0.059	0.046			
4102-0277A-HO	12/8/2008	Plutonium 239/40	3.80	10.62	0.029	0.056	U		
4102-0277A-HO	12/8/2008	Protactinium 231	0.70	2.10	-0.9	2.9	U		
4102-0277A-HO	12/8/2008	Radium (226)	7.40	19.80	0.97	0.15			
4102-0277A-HO	12/8/2008	Thorium 228	16.60	49.80	0.66	0.06			
4102-0277A-HO	12/8/2008	Thorium 229	8.92	26.80	0	1.6	U		
4102-0277A-HO	12/8/2008	Thorium 230	55.00	165.13	0.94	0.06			
4102-0277A-HO	12/8/2008	Thorium 232	62.00	181.00	0.63	0.06			
4102-0277A-HO	12/8/2008	Tritium	75	75000	10.3	0.38			
4102-0277A-HO	12/8/2008	Uranium 233/234	4.00	11.81	0.84	0.08			
4102-0277A-HO	12/8/2008	Uranium 235	2.90	4.70	-0.21	0.52	U		
4102-0277A-HO	12/8/2008	Uranium 235	2.60	4.80	0.053	0.048	J		
4102-0277A-HO	12/8/2008	Uranium 238	5.06	15.20	0.5	2.2	U		
4102-0277A-HO	12/8/2008	Uranium 238	2.80	4.60	0.98	0.08			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0278A-HO	12/8/2008	Actinium 227	4.60	13.61	0.1	1.8	U		
4102-0278A-HO	12/8/2008	Actinium 228	1.93	5.80	0.84	0.52			
4102-0278A-HO	12/8/2008	Americium 241	63.00	189.00	0	0.28	U		
4102-0278A-HO	12/8/2008	Bismuth 214	1.17	3.51	0.8	0.2			
4102-0278A-HO	12/8/2008	Bismuth-207	1.20	3.60	-0.026	0.14	U		
4102-0278A-HO	12/8/2008	Bismuth-210M	8.30	24.90	-0.013	0.14	U		
4102-0278A-HO	12/8/2008	Cesium 137	3.80	10.62	-0.017	0.15	U		
4102-0278A-HO	12/8/2008	Cobalt 60	0.70	2.10	0.0003	0.13	U		
4102-0278A-HO	12/8/2008	Lead 210	7.40	19.80	1	3.2	U		
4102-0278A-HO	12/8/2008	Lead 212	16.60	49.80	1.18	0.17			
4102-0278A-HO	12/8/2008	Lead 214	8.92	26.80	0.82	0.25			
4102-0278A-HO	12/8/2008	Plutonium 238	55.00	165.13	0.79	0.45			
4102-0278A-HO	12/8/2008	Plutonium 239/40	62.00	181.00	0.59	0.23			
4102-0278A-HO	12/8/2008	Protactinium 231	4.00	11.81	-0.3	2.7	U		
4102-0278A-HO	12/8/2008	Radium (226)	2.90	4.70	0.8	0.2			
4102-0278A-HO	12/8/2008	Thorium 228	2.60	4.80	1.24	0.08			
4102-0278A-HO	12/8/2008	Thorium 229	5.06	15.20	-0.28	1.5	U		
4102-0278A-HO	12/8/2008	Thorium 230	2.80	4.60	1.1	0.07			
4102-0278A-HO	12/8/2008	Thorium 232	2.10	3.50	1.2	0.05			
4102-0278A-HO	12/8/2008	Uranium 233/234	2.00	14.50	0.65	0.06			
4102-0278A-HO	12/8/2008	Uranium 235	3.10	9.29	-0.06	0.6	U		
4102-0278A-HO	12/8/2008	Uranium 235	3.10	9.29	0.061	0.057	J		
4102-0278A-HO	12/8/2008	Uranium 238	2.2	4.2	0.7	2.4	U		
4102-0278A-HO	12/8/2008	Uranium 238	2.2	4.2	0.73	0.05			
4102-0290A-HO	9/22/2008	Thorium 228	2.60	4.80	1.4	0.16	J		
4102-0290A-HO	9/22/2008	Thorium 230	2.80	4.60	1.67	0.06	J		
4102-0290A-HO	9/22/2008	Thorium 232	2.10	3.50	1.12	0.1	J		
4102-0290A-HO	9/22/2008	Uranium 233/234	2.00	14.50	1.11	0.12	J		
4102-0290A-HO	9/22/2008	Uranium 235/236	3.10	9.29	-0.005	0.11	U		
4102-0290A-HO	9/22/2008	Uranium 238	2.2	4.2	1.08	0.12	J		
4102-0294A-HO	9/22/2008	Actinium 227	4.60	13.61	-0.46	0.65	U		
4102-0294A-HO	9/22/2008	Actinium 228	1.93	5.80	1.1	0.2			
4102-0294A-HO	9/22/2008	Americium 241	63.00	189.00	-0.001	0.18	U		
4102-0294A-HO	9/22/2008	Bismuth 214	1.17	3.51	0.68	0.13			
4102-0294A-HO	9/22/2008	Bismuth-207	1.20	3.60	0.017	0.052	U		
4102-0294A-HO	9/22/2008	Bismuth-210M	8.30	24.90	-0.02	0.097	U		
4102-0294A-HO	9/22/2008	Cesium 137	3.80	10.62	0.011	0.055	U		
4102-0294A-HO	9/22/2008	Cobalt 60	0.70	2.10	0	0.053	U		
4102-0294A-HO	9/22/2008	Lead 210	7.40	19.80	1.1	2	U		
4102-0294A-HO	9/22/2008	Lead 212	16.60	49.80	0.93	0.12			
4102-0294A-HO	9/22/2008	Lead 214	8.92	26.80	0.87	0.13			
4102-0294A-HO	9/22/2008	Plutonium 238	55.00	165.13	-0.014	0.11	U		
4102-0294A-HO	9/22/2008	Plutonium 239/40	62.00	181.00	-0.007	0.094	U		
4102-0294A-HO	9/22/2008	Protactinium 231	4.00	11.81	-0.01	1.6	U		
4102-0294A-HO	9/22/2008	Radium (226)	2.90	4.70	0.68	0.13			
4102-0294A-HO	9/22/2008	Thorium 228	2.60	4.80	1.2	0.26	J		
4102-0294A-HO	9/22/2008	Thorium 229	5.06	15.20	-0.18	1.1	U		
4102-0294A-HO	9/22/2008	Thorium 230	2.80	4.60	1.27	0.12	J		
4102-0294A-HO	9/22/2008	Thorium 232	2.10	3.50	1.14	0.11	J		
4102-0294A-HO	9/22/2008	Uranium 233/234	2.00	14.50	0.65	0.12	J		
4102-0294A-HO	9/22/2008	Uranium 235	3.10	9.29	0.007	0.42	U		
4102-0294A-HO	9/22/2008	Uranium 235/236	3.10	9.29	0.068	0.13	U		
4102-0294A-HO	9/22/2008	Uranium 238	2.2	4.2	0.8	1.7	U		
4102-0294A-HO	9/22/2008	Uranium 238	2.2	4.2	0.73	0.13	J		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0311B-HO	11/21/2008	Plutonium 238	55.00	165.13	3.19	0.08			
4102-0311B-HO	11/21/2008	Plutonium 239/40	62.00	181.00	0.048	0.051	U		
4102-0311B-HO	11/21/2008	Thorium 228	2.60	4.80	0.29	0.05			
4102-0311B-HO	11/21/2008	Thorium 230	2.80	4.60	0.87	0.06			
4102-0311B-HO	11/21/2008	Thorium 232	2.10	3.50	0.17	0.027	J		
4102-0311B-HO	11/21/2008	Uranium 233/234	2.00	14.50	0.74	0.09			
4102-0311B-HO	11/21/2008	Uranium 235	3.10	9.29	0.094	0.042	J		
4102-0311B-HO	11/21/2008	Uranium 238	2.2	4.2	0.75	0.08			
4102-0312A-HO	9/22/2008	Actinium 227	4.60	13.61	0.02	0.31	U		
4102-0312A-HO	9/22/2008	Actinium 228	1.93	5.80	0.09	0.25	U		
4102-0312A-HO	9/22/2008	Americium 241	63.00	189.00	0.007	0.11	U		
4102-0312A-HO	9/22/2008	Bismuth 214	1.17	3.51	0.5	0.08			
4102-0312A-HO	9/22/2008	Bismuth-207	1.20	3.60	0.008	0.034	U		
4102-0312A-HO	9/22/2008	Bismuth-210M	8.30	24.90	-0.012	0.088	U		
4102-0312A-HO	9/22/2008	Cesium 137	3.80	10.62	-0.002	0.072	U		
4102-0312A-HO	9/22/2008	Cobalt 60	0.70	2.10	0	0.038	U		
4102-0312A-HO	9/22/2008	Lead 210	7.40	19.80	0.29	1.2	U		
4102-0312A-HO	9/22/2008	Lead 212	16.60	49.80	0.249	0.068			
4102-0312A-HO	9/22/2008	Lead 214	8.92	26.80	0.496	0.034			
4102-0312A-HO	9/22/2008	Plutonium 238	55.00	165.13	0.003	0.16	U		
4102-0312A-HO	9/22/2008	Plutonium 239/40	62.00	181.00	-0.008	0.1	U		
4102-0312A-HO	9/22/2008	Protactinium 231	4.00	11.81	-0.09	1.4	U		
4102-0312A-HO	9/22/2008	Radium (226)	2.90	4.70	0.5	0.08			
4102-0312A-HO	9/22/2008	Thorium 228	2.60	4.80	0.27	0.17	J		
4102-0312A-HO	9/22/2008	Thorium 229	5.06	15.20	-0.06	0.79	U		
4102-0312A-HO	9/22/2008	Thorium 230	2.80	4.60	1.16	0.06	J		
4102-0312A-HO	9/22/2008	Thorium 232	2.10	3.50	0.45	0.06	J		
4102-0312A-HO	9/22/2008	Uranium 233/234	2.00	14.50	0.61	0.13	J		
4102-0312A-HO	9/22/2008	Uranium 235	3.10	9.29	0.18	0.29	U		
4102-0312A-HO	9/22/2008	Uranium 235/236	3.10	9.29	0.016	0.13	U		
4102-0312A-HO	9/22/2008	Uranium 238	2.2	4.2	0.51	0.12	J		
4102-0312A-HO	9/22/2008	Uranium 238	2.2	4.2	0.35	1.2	U		
4102-0332A-HO	9/23/2008	Thorium 228	2.60	4.80	0.27	0.11	J		
4102-0332A-HO	9/23/2008	Thorium 230	2.80	4.60	0.79	0.05	J		
4102-0332A-HO	9/23/2008	Thorium 232	2.10	3.50	0.32	0.09	J		
4102-0332A-HO	9/23/2008	Uranium 233/234	2.00	14.50	0.32	0.12	J		
4102-0332A-HO	9/23/2008	Uranium 235/236	3.10	9.29	-0.0049	0.11	U		
4102-0332A-HO	9/23/2008	Uranium 238	2.2	4.2	0.33	0.1	J		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0334A-HO	9/23/2008	Actinium 227	4.60	13.61	-0.41	0.67	U		
4102-0334A-HO	9/23/2008	Actinium 228	1.93	5.80	0.28	0.24			
4102-0334A-HO	9/23/2008	Americium 241	63.00	189.00	0.017	0.13	U		
4102-0334A-HO	9/23/2008	Bismuth 214	1.17	3.51	0.65	0.14			
4102-0334A-HO	9/23/2008	Bismuth-207	1.20	3.60	-0.009	0.065	U		
4102-0334A-HO	9/23/2008	Bismuth-210M	8.30	24.90	0	0.086	U		
4102-0334A-HO	9/23/2008	Cesium 137	3.80	10.62	0.029	0.069	U		
4102-0334A-HO	9/23/2008	Cobalt 60	0.70	2.10	0.005	0.083	U		
4102-0334A-HO	9/23/2008	Lead 210	7.40	19.80	0.07	2.1	U		
4102-0334A-HO	9/23/2008	Lead 212	16.60	49.80	0.395	0.11			
4102-0334A-HO	9/23/2008	Lead 214	8.92	26.80	0.57	0.12			
4102-0334A-HO	9/23/2008	Plutonium 238	55.00	165.13	0.6	0.1			
4102-0334A-HO	9/23/2008	Plutonium 239/40	62.00	181.00	0.016	0.083	U		
4102-0334A-HO	9/23/2008	Protactinium 231	4.00	11.81	0.02	1.7	U		
4102-0334A-HO	9/23/2008	Radium (226)	2.90	4.70	0.65	0.14			
4102-0334A-HO	9/23/2008	Thorium 228	2.60	4.80	0.8	0.15	J		
4102-0334A-HO	9/23/2008	Thorium 229	5.06	15.20	0.006	0.8	U		
4102-0334A-HO	9/23/2008	Thorium 230	2.80	4.60	1.38	0.13	J		
4102-0334A-HO	9/23/2008	Thorium 232	2.10	3.50	0.9	0.14	J		
4102-0334A-HO	9/23/2008	Uranium 233/234	2.00	14.50	0.55	0.09	J		
4102-0334A-HO	9/23/2008	Uranium 235	3.10	9.29	0.11	0.3	U		
4102-0334A-HO	9/23/2008	Uranium 235/236	3.10	9.29	0.022	0.11	U		
4102-0334A-HO	9/23/2008	Uranium 238	2.2	4.2	0.72	0.09	J		
4102-0334A-HO	9/23/2008	Uranium 238	2.2	4.2	0.65	1.5	U		
	CO	Cleanup Objective							
	HS	Hot Spot Criteria							
	A-HO	Hot Spot location - original							
	"X"-HO	Hot Spot Location - Remediate and Resample (ie. B, C, etc.)							
	FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit							
	J	The associated numerical value is an estimated quantity							

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0350A-FO	5/12/2009	Actinium 227	4.60	13.61	0	1.2	U		
4102-0350A-FO	5/12/2009	Actinium 228	1.93	5.80	0.77	0.21			
4102-0350A-FO	5/12/2009	Americium 241	63.00	189.00	-0.03	0.2	U		
4102-0350A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.73	0.19			
4102-0350A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.014	0.064	U		
4102-0350A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.009	0.098	U		
4102-0350A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.01	0.13	U		
4102-0350A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.005	0.12	U		
4102-0350A-FO	5/12/2009	Lead 210	7.40	19.80	0.2	2.4	U		
4102-0350A-FO	5/12/2009	Lead 212	16.60	49.80	0.61	0.1			
4102-0350A-FO	5/12/2009	Lead 214	8.92	26.80	0.71	0.09			
4102-0350A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.092	0.053			
4102-0350A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	-0.0042	0.044	U		
4102-0350A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.8	2.3	U		
4102-0350A-FO	5/12/2009	Radium (226)	2.90	4.70	0.73	0.19			
4102-0350A-FO	5/12/2009	Thorium 228	2.60	4.80	0.56	0.12			
4102-0350A-FO	5/12/2009	Thorium 229	5.06	15.20	0.18	0.97	U		
4102-0350A-FO	5/12/2009	Thorium 230	2.80	4.60	0.88	0.09			
4102-0350A-FO	5/12/2009	Thorium 232	2.10	3.50	0.77	0.08			
4102-0350A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.61	0.05			
4102-0350A-FO	5/12/2009	Uranium 235	3.10	9.29	0.04	0.41	U		
4102-0350A-FO	5/12/2009	Uranium 235	3.10	9.29	0.014	0.05	U		
4102-0350A-FO	5/12/2009	Uranium 238	2.2	4.2	0.4	1.9	U		
4102-0350A-FO	5/12/2009	Uranium 238	2.2	4.2	0.62	0.05			
4102-0351A-FO	5/12/2009	Actinium 227	4.60	13.61	0.06	0.32	U		
4102-0351A-FO	5/12/2009	Actinium 228	1.93	5.80	0.39	0.26			
4102-0351A-FO	5/12/2009	Americium 241	63.00	189.00	0.02	0.2	U		
4102-0351A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.6	0.13			
4102-0351A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.013	0.047	U		
4102-0351A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.001	0.086	U		
4102-0351A-FO	5/12/2009	Cesium 137	3.80	10.62	0.016	0.072	U		
4102-0351A-FO	5/12/2009	Cobalt 60	0.70	2.10	0.005	0.09	U		
4102-0351A-FO	5/12/2009	Lead 210	7.40	19.80	0.4	2.2	U		
4102-0351A-FO	5/12/2009	Lead 212	16.60	49.80	0.46	0.12			
4102-0351A-FO	5/12/2009	Lead 214	8.92	26.80	0.57	0.13			
4102-0351A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.074	0.042			
4102-0351A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.02	0.057	U		
4102-0351A-FO	5/12/2009	Protactinium 231	4.00	11.81	0.72	1.5	U		
4102-0351A-FO	5/12/2009	Radium (226)	2.90	4.70	0.6	0.13			
4102-0351A-FO	5/12/2009	Thorium 228	2.60	4.80	0.34	0.09			
4102-0351A-FO	5/12/2009	Thorium 229	5.06	15.20	-0.12	0.98	U		
4102-0351A-FO	5/12/2009	Thorium 230	2.80	4.60	0.84	0.07			
4102-0351A-FO	5/12/2009	Thorium 232	2.10	3.50	0.56	0.06			
4102-0351A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.58	0.07			
4102-0351A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.08	0.5	U		
4102-0351A-FO	5/12/2009	Uranium 235	3.10	9.29	0.021	0.054	U		
4102-0351A-FO	5/12/2009	Uranium 238	2.2	4.2	-0.03	1.9	U		
4102-0351A-FO	5/12/2009	Uranium 238	2.2	4.2	0.72	0.03			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0352A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.03	1.1	U		
4102-0352A-FO	5/12/2009	Actinium 228	1.93	5.80	0.22	0.38	U		
4102-0352A-FO	5/12/2009	Americium 241	63.00	189.00	0.058	0.15	U		
4102-0352A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.61	0.09			
4102-0352A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.007	0.048	U		
4102-0352A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.006	0.073	U		
4102-0352A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.008	0.095	U		
4102-0352A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.017	0.1	U		
4102-0352A-FO	5/12/2009	Lead 210	7.40	19.80	2.3	2.3	U		
4102-0352A-FO	5/12/2009	Lead 212	16.60	49.80	0.51	0.1			
4102-0352A-FO	5/12/2009	Lead 214	8.92	26.80	0.61	0.12			
4102-0352A-FO	5/12/2009	Plutonium 238	55.00	165.13	4.33	0.06			
4102-0352A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.03	0.037	U		
4102-0352A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.15	1.7	U		
4102-0352A-FO	5/12/2009	Radium (226)	2.90	4.70	0.61	0.09			
4102-0352A-FO	5/12/2009	Thorium 228	2.60	4.80	0.8	0.11			
4102-0352A-FO	5/12/2009	Thorium 229	5.06	15.20	0.0005	0.96	U		
4102-0352A-FO	5/12/2009	Thorium 230	2.80	4.60	0.92	0.08			
4102-0352A-FO	5/12/2009	Thorium 232	2.10	3.50	0.74	0.09			
4102-0352A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.67	0.07			
4102-0352A-FO	5/12/2009	Uranium 235	3.10	9.29	0.05	0.39	U		
4102-0352A-FO	5/12/2009	Uranium 235	3.10	9.29	0.046	0.063	U		
4102-0352A-FO	5/12/2009	Uranium 238	2.2	4.2	0.38	1.7	U		
4102-0352A-FO	5/12/2009	Uranium 238	2.2	4.2	0.66	0.05			
4102-0353A-FO	5/12/2009	Actinium 227	4.60	13.61	0	0.82	U		
4102-0353A-FO	5/12/2009	Actinium 228	1.93	5.80	0.64	0.09			
4102-0353A-FO	5/12/2009	Americium 241	63.00	189.00	-0.008	0.16	U		
4102-0353A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.45	0.11			
4102-0353A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.008	0.054	U		
4102-0353A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.00001	0.083	U		
4102-0353A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.0001	0.074	U		
4102-0353A-FO	5/12/2009	Cobalt 60	0.70	2.10	0	0.095	U		
4102-0353A-FO	5/12/2009	Lead 210	7.40	19.80	1.8	2.2	U		
4102-0353A-FO	5/12/2009	Lead 212	16.60	49.80	0.41	0.11			
4102-0353A-FO	5/12/2009	Lead 214	8.92	26.80	0.62	0.12			
4102-0353A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.08	0.046			
4102-0353A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.033	0.039	U		
4102-0353A-FO	5/12/2009	Protactinium 231	4.00	11.81	0.00007	1.5	U		
4102-0353A-FO	5/12/2009	Radium (226)	2.90	4.70	0.45	0.11			
4102-0353A-FO	5/12/2009	Thorium 228	2.60	4.80	0.58	0.14			
4102-0353A-FO	5/12/2009	Thorium 229	5.06	15.20	0.0006	0.82	U		
4102-0353A-FO	5/12/2009	Thorium 230	2.80	4.60	0.7	0.11			
4102-0353A-FO	5/12/2009	Thorium 232	2.10	3.50	0.58	0.08			
4102-0353A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.56	0.06			
4102-0353A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.05	0.4	U		
4102-0353A-FO	5/12/2009	Uranium 235	3.10	9.29	0	0.066	U		
4102-0353A-FO	5/12/2009	Uranium 238	2.2	4.2	0.68	1.6	U		
4102-0353A-FO	5/12/2009	Uranium 238	2.2	4.2	0.52	0.06			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0354A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.09	0.37	U		
4102-0354A-FO	5/12/2009	Actinium 228	1.93	5.80	0.07	0.27	U		
4102-0354A-FO	5/12/2009	Americium 241	63.00	189.00	-0.01	0.12	U		
4102-0354A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.4	0.08			
4102-0354A-FO	5/12/2009	Bismuth-207	1.20	3.60	0	0.048	U		
4102-0354A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.012	0.083	U		
4102-0354A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.02	0.09	U		
4102-0354A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.02	0.06	U		
4102-0354A-FO	5/12/2009	Lead 210	7.40	19.80	-0.1	1.8	U		
4102-0354A-FO	5/12/2009	Lead 212	16.60	49.80	0.175	0.08			
4102-0354A-FO	5/12/2009	Lead 214	8.92	26.80	0.52	0.06			
4102-0354A-FO	5/12/2009	Plutonium 238	55.00	165.13	1.09	0.07			
4102-0354A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.011	0.07	U		
4102-0354A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.27	1.5	U		
4102-0354A-FO	5/12/2009	Radium (226)	2.90	4.70	0.4	0.08			
4102-0354A-FO	5/12/2009	Thorium 228	2.60	4.80	0.32	0.14			
4102-0354A-FO	5/12/2009	Thorium 229	5.06	15.20	0.08	0.59	U		
4102-0354A-FO	5/12/2009	Thorium 230	2.80	4.60	0.9	0.08			
4102-0354A-FO	5/12/2009	Thorium 232	2.10	3.50	0.29	0.09			
4102-0354A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.43	0.05			
4102-0354A-FO	5/12/2009	Uranium 235	3.10	9.29	0.09	0.29	U		
4102-0354A-FO	5/12/2009	Uranium 235	3.10	9.29	0.053	0.029	J		
4102-0354A-FO	5/12/2009	Uranium 238	2.2	4.2	0.2	1.3	U		
4102-0354A-FO	5/12/2009	Uranium 238	2.2	4.2	0.39	0.02			
4102-0355A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.25	0.59	U		
4102-0355A-FO	5/12/2009	Actinium 228	1.93	5.80	0.83	0.1			
4102-0355A-FO	5/12/2009	Americium 241	63.00	189.00	-0.002	0.21	U		
4102-0355A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.64	0.16			
4102-0355A-FO	5/12/2009	Bismuth-207	1.20	3.60	-0.001	0.067	U		
4102-0355A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.0005	0.11	U		
4102-0355A-FO	5/12/2009	Cesium 137	3.80	10.62	0	0.098	U		
4102-0355A-FO	5/12/2009	Cobalt 60	0.70	2.10	0.009	0.091	U		
4102-0355A-FO	5/12/2009	Lead 210	7.40	19.80	1.7	2	U		
4102-0355A-FO	5/12/2009	Lead 212	16.60	49.80	0.63	0.14			
4102-0355A-FO	5/12/2009	Lead 214	8.92	26.80	0.7	0.16			
4102-0355A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.43	0.06			
4102-0355A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.002	0.045	U		
4102-0355A-FO	5/12/2009	Protactinium 231	4.00	11.81	0.6	1.8	U		
4102-0355A-FO	5/12/2009	Radium (226)	2.90	4.70	0.64	0.16			
4102-0355A-FO	5/12/2009	Thorium 228	2.60	4.80	0.64	0.05			
4102-0355A-FO	5/12/2009	Thorium 229	5.06	15.20	-0.17	0.99	U		
4102-0355A-FO	5/12/2009	Thorium 230	2.80	4.60	0.96	0.06			
4102-0355A-FO	5/12/2009	Thorium 232	2.10	3.50	0.59	0.06			
4102-0355A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.72	0.08			
4102-0355A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.08	0.5	U		
4102-0355A-FO	5/12/2009	Uranium 235	3.10	9.29	0.042	0.05	U		
4102-0355A-FO	5/12/2009	Uranium 238	2.2	4.2	0.7	1.8	U		
4102-0355A-FO	5/12/2009	Uranium 238	2.2	4.2	0.77	0.06			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0356A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.03	1.2	U		
4102-0356A-FO	5/12/2009	Actinium 228	1.93	5.80	0.68	0.14			
4102-0356A-FO	5/12/2009	Americium 241	63.00	189.00	0.008	0.19	U		
4102-0356A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.54	0.17			
4102-0356A-FO	5/12/2009	Bismuth-207	1.20	3.60	-0.003	0.061	U		
4102-0356A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.003	0.077	U		
4102-0356A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.011	0.11	U		
4102-0356A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.015	0.14	U		
4102-0356A-FO	5/12/2009	Lead 210	7.40	19.80	0.4	2.6	U		
4102-0356A-FO	5/12/2009	Lead 212	16.60	49.80	0.59	0.13			
4102-0356A-FO	5/12/2009	Lead 214	8.92	26.80	0.33	0.16			
4102-0356A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.121	0.05			
4102-0356A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	-0.002	0.058	U		
4102-0356A-FO	5/12/2009	Protactinium 231	4.00	11.81	0.03	1.6	U		
4102-0356A-FO	5/12/2009	Radium (226)	2.90	4.70	0.54	0.17			
4102-0356A-FO	5/12/2009	Thorium 228	2.60	4.80	0.65	0.11			
4102-0356A-FO	5/12/2009	Thorium 229	5.06	15.20	-0.25	1.2	U		
4102-0356A-FO	5/12/2009	Thorium 230	2.80	4.60	0.93	0.15			
4102-0356A-FO	5/12/2009	Thorium 232	2.10	3.50	0.92	0.11			
4102-0356A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.57	0.06			
4102-0356A-FO	5/12/2009	Uranium 235	3.10	9.29	0.15	0.38	U		
4102-0356A-FO	5/12/2009	Uranium 235	3.10	9.29	0.046	0.055	U		
4102-0356A-FO	5/12/2009	Uranium 238	2.2	4.2	0.5	2	U		
4102-0356A-FO	5/12/2009	Uranium 238	2.2	4.2	0.6	0.04			
4102-0357A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.29	0.56	U		
4102-0357A-FO	5/12/2009	Actinium 228	1.93	5.80	0.14	0.21	U		
4102-0357A-FO	5/12/2009	Americium 241	63.00	189.00	-0.008	0.15	U		
4102-0357A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.54	0.1			
4102-0357A-FO	5/12/2009	Bismuth-207	1.20	3.60	0	0.067	U		
4102-0357A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.007	0.078	U		
4102-0357A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.0002	0.063	U		
4102-0357A-FO	5/12/2009	Cobalt 60	0.70	2.10	0	0.03	U		
4102-0357A-FO	5/12/2009	Lead 210	7.40	19.80	0.3	2.1	U		
4102-0357A-FO	5/12/2009	Lead 212	16.60	49.80	0.329	0.086			
4102-0357A-FO	5/12/2009	Lead 214	8.92	26.80	0.44	0.12			
4102-0357A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.048	0.038			
4102-0357A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.01	0.049	U		
4102-0357A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.48	1.4	U		
4102-0357A-FO	5/12/2009	Radium (226)	2.90	4.70	0.54	0.1			
4102-0357A-FO	5/12/2009	Thorium 228	2.60	4.80	0.22	0.13			
4102-0357A-FO	5/12/2009	Thorium 229	5.06	15.20	0.28	0.69	U		
4102-0357A-FO	5/12/2009	Thorium 230	2.80	4.60	0.75	0.12			
4102-0357A-FO	5/12/2009	Thorium 232	2.10	3.50	0.45	0.11			
4102-0357A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.53	0.06			
4102-0357A-FO	5/12/2009	Uranium 235	3.10	9.29	0.06	0.29	U		
4102-0357A-FO	5/12/2009	Uranium 235	3.10	9.29	0.077	0.026	J		
4102-0357A-FO	5/12/2009	Uranium 238	2.2	4.2	0.19	1.5	U		
4102-0357A-FO	5/12/2009	Uranium 238	2.2	4.2	0.44	0.06			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0358A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.23	0.59	U		
4102-0358A-FO	5/12/2009	Actinium 228	1.93	5.80	0.39	0.38			
4102-0358A-FO	5/12/2009	Americium 241	63.00	189.00	0.0009	0.19	U		
4102-0358A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.47	0.1			
4102-0358A-FO	5/12/2009	Bismuth-207	1.20	3.60	-0.014	0.078	U		
4102-0358A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.006	0.09	U		
4102-0358A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.009	0.1	U		
4102-0358A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.03	0.12	U		
4102-0358A-FO	5/12/2009	Lead 210	7.40	19.80	1.4	1.9	U		
4102-0358A-FO	5/12/2009	Lead 212	16.60	49.80	0.42	0.1			
4102-0358A-FO	5/12/2009	Lead 214	8.92	26.80	0.56	0.13			
4102-0358A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.254	0.051			
4102-0358A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.028	0.051	U		
4102-0358A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.3	2.1	U		
4102-0358A-FO	5/12/2009	Radium (226)	2.90	4.70	0.47	0.1			
4102-0358A-FO	5/12/2009	Thorium 228	2.60	4.80	0.53	0.09			
4102-0358A-FO	5/12/2009	Thorium 229	5.06	15.20	0.11	0.93	U		
4102-0358A-FO	5/12/2009	Thorium 230	2.80	4.60	0.72	0.11			
4102-0358A-FO	5/12/2009	Thorium 232	2.10	3.50	0.43	0.07			
4102-0358A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.44	0.07			
4102-0358A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.02	0.34	U		
4102-0358A-FO	5/12/2009	Uranium 235	3.10	9.29	0.058	0.055	J		
4102-0358A-FO	5/12/2009	Uranium 238	2.2	4.2	0.6	1.8	U		
4102-0358A-FO	5/12/2009	Uranium 238	2.2	4.2	0.59	0.04			
4102-0359A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.05	0.34	U		
4102-0359A-FO	5/12/2009	Actinium 228	1.93	5.80	0.4	0.31			
4102-0359A-FO	5/12/2009	Americium 241	63.00	189.00	-0.012	0.11	U		
4102-0359A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.47	0.13			
4102-0359A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.008	0.066	U		
4102-0359A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.016	0.096	U		
4102-0359A-FO	5/12/2009	Cesium 137	3.80	10.62	0.008	0.091	U		
4102-0359A-FO	5/12/2009	Cobalt 60	0.70	2.10	0	0.11	U		
4102-0359A-FO	5/12/2009	Lead 210	7.40	19.80	1.4	2.2	U		
4102-0359A-FO	5/12/2009	Lead 212	16.60	49.80	0.52	0.11			
4102-0359A-FO	5/12/2009	Lead 214	8.92	26.80	0.6	0.08			
4102-0359A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.099	0.015			
4102-0359A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0	0.015	U		
4102-0359A-FO	5/12/2009	Protactinium 231	4.00	11.81	0.11	1.7	U		
4102-0359A-FO	5/12/2009	Radium (226)	2.90	4.70	0.47	0.13			
4102-0359A-FO	5/12/2009	Thorium 228	2.60	4.80	0.75	0.13			
4102-0359A-FO	5/12/2009	Thorium 229	5.06	15.20	-0.15	1.1	U		
4102-0359A-FO	5/12/2009	Thorium 230	2.80	4.60	0.64	0.12			
4102-0359A-FO	5/12/2009	Thorium 232	2.10	3.50	0.79	0.09			
4102-0359A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.62	0.08			
4102-0359A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.04	0.4	U		
4102-0359A-FO	5/12/2009	Uranium 235	3.10	9.29	0.018	0.046	U		
4102-0359A-FO	5/12/2009	Uranium 238	2.2	4.2	1.16	1.4	U		
4102-0359A-FO	5/12/2009	Uranium 238	2.2	4.2	0.58	0.06			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4102-0360A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.19	0.58	U		
4102-0360A-FO	5/12/2009	Actinium 228	1.93	5.80	0.53	0.29			
4102-0360A-FO	5/12/2009	Americium 241	63.00	189.00	-0.02	0.19	U		
4102-0360A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.53	0.15			
4102-0360A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.002	0.069	U		
4102-0360A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0	0.1	U		
4102-0360A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.005	0.11	U		
4102-0360A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.015	0.12	U		
4102-0360A-FO	5/12/2009	Lead 210	7.40	19.80	0.3	2.5	U		
4102-0360A-FO	5/12/2009	Lead 212	16.60	49.80	0.44	0.13			
4102-0360A-FO	5/12/2009	Lead 214	8.92	26.80	0.52	0.14			
4102-0360A-FO	5/12/2009	Plutonium 238	55.00	165.13	2.27	0.07			
4102-0360A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.037	0.047	U		
4102-0360A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.7	2.2	U		
4102-0360A-FO	5/12/2009	Radium (226)	2.90	4.70	0.53	0.15			
4102-0360A-FO	5/12/2009	Thorium 228	2.60	4.80	0.99	0.12			
4102-0360A-FO	5/12/2009	Thorium 229	5.06	15.20	0.11	1	U		
4102-0360A-FO	5/12/2009	Thorium 230	2.80	4.60	0.98	0.07			
4102-0360A-FO	5/12/2009	Thorium 232	2.10	3.50	0.7	0.06			
4102-0360A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.7	0.06			
4102-0360A-FO	5/12/2009	Uranium 235	3.10	9.29	0.07	0.39	U		
4102-0360A-FO	5/12/2009	Uranium 235	3.10	9.29	0.027	0.025	J		
4102-0360A-FO	5/12/2009	Uranium 238	2.2	4.2	1.2	1.9	U		
4102-0360A-FO	5/12/2009	Uranium 238	2.2	4.2	0.82	0.05			
4102-0361A-FO	5/12/2009	Actinium 227	4.60	13.61	0	0.28	U		
4102-0361A-FO	5/12/2009	Actinium 228	1.93	5.80	0.8	0.22			
4102-0361A-FO	5/12/2009	Americium 241	63.00	189.00	0.06	0.19	U		
4102-0361A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.67	0.1			
4102-0361A-FO	5/12/2009	Bismuth-207	1.20	3.60	-0.0002	0.083	U		
4102-0361A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.021	0.09	U		
4102-0361A-FO	5/12/2009	Cesium 137	3.80	10.62	0.01	0.11	U		
4102-0361A-FO	5/12/2009	Cobalt 60	0.70	2.10	0	0.16	U		
4102-0361A-FO	5/12/2009	Lead 210	7.40	19.80	1.1	2.9	U		
4102-0361A-FO	5/12/2009	Lead 212	16.60	49.80	0.68	0.13			
4102-0361A-FO	5/12/2009	Lead 214	8.92	26.80	0.61	0.19			
4102-0361A-FO	5/12/2009	Plutonium 238	55.00	165.13	15.2	0.04			
4102-0361A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.091	0.035			
4102-0361A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.6	2	U		
4102-0361A-FO	5/12/2009	Radium (226)	2.90	4.70	0.67	0.1			
4102-0361A-FO	5/12/2009	Thorium 228	2.60	4.80	0.86	0.12			
4102-0361A-FO	5/12/2009	Thorium 229	5.06	15.20	0.0002	1.2	U		
4102-0361A-FO	5/12/2009	Thorium 230	2.80	4.60	1.2	0.1			
4102-0361A-FO	5/12/2009	Thorium 232	2.10	3.50	0.53	0.09			
4102-0361A-FO	5/12/2009	Uranium 233/234	2.00	14.50	1.01	0.06			
4102-0361A-FO	5/12/2009	Uranium 235	3.10	9.29	0.14	0.37	U		
4102-0361A-FO	5/12/2009	Uranium 235	3.10	9.29	0.065	0.053	J		
4102-0361A-FO	5/12/2009	Uranium 238	2.2	4.2	0.6	2	U		
4102-0361A-FO	5/12/2009	Uranium 238	2.2	4.2	0.98	0.02			

CO	Cleanup Objective
HS	Hot Spot Criteria
A-FO	MARSSIM location - original
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit
J	The associated numerical value is an estimated quantity

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0239A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	5.0		
4102-0239A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0239A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0239A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0239A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0239A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0		33.0	2.7		
4102-0239A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0240A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0240A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0240A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0240A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0240A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0240A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0240A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0241A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0241A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0241A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0241A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0241A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	660.0		34.0	5.0		
4102-0241A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0241A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0242A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0242A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0242A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0242A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0242A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0242A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	290.0		34.0	2.7		
4102-0242A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0243A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0243A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0243A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0243A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0243A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	120.0		34.0	5.0		
4102-0243A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	69.0		34.0	2.7		
4102-0243A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0244A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0244A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0244A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0244A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0244A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	110.0		34.0	5.0		
4102-0244A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	44.0		34.0	2.7		
4102-0244A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0245A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0245A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0245A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0245A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0245A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0245A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0245A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0246A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0246A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0246A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0246A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0246A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	560.0		34.0	5.0		
4102-0246A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0246A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0247A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0247A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0247A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0247A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0247A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	94.0		34.0	5.0		
4102-0247A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0247A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0248A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0248A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0248A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0248A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0248A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	1200.0		34.0	5.0		
4102-0248A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0248A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0249A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0249A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0249A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0249A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0249A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0249A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	350.0		34.0	2.7		
4102-0249A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0250A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.1		
4102-0250A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0250A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0250A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0250A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	190.0		34.0	5.1		
4102-0250A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	140.0		34.0	2.8		
4102-0250A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0251A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0251A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0251A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0251A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0251A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	330.0		34.0	5.0		
4102-0251A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	190.0		34.0	2.8		
4102-0251A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0252A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.1		
4102-0252A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0252A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0252A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0252A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0252A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0252A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0253A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	40.0	U	40.0	5.9		
4102-0253A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	40.0	U	40.0	5.9		
4102-0253A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	40.0	U	40.0	5.9		
4102-0253A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	40.0	U	40.0	5.9		
4102-0253A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	40.0	U	40.0	5.9		
4102-0253A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	40.0	U	40.0	3.2		
4102-0253A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	40.0	U	40.0	3.2		
4102-0254A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	39.0	U	39.0	5.8		
4102-0254A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0254A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0254A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0254A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0254A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	39.0	U	39.0	3.2		
4102-0254A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	39.0	U	39.0	3.2		
4102-0255A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	5.3		
4102-0255A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0255A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0255A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0255A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0255A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	36.0	U	36.0	2.9		
4102-0255A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.9		
4102-0256A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	5.4		
4102-0256A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	5.4		
4102-0256A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	5.4		
4102-0256A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	5.4		
4102-0256A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	100.0		36.0	5.4		
4102-0256A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	36.0	U	36.0	3.0		
4102-0256A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	3.0		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0257A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0257A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0257A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0257A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0257A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	530.0		34.0	5.0		
4102-0257A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0257A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0258A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0258A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0258A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0258A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0258A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	120.0		34.0	5.0		
4102-0258A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0258A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0259A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0259A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0259A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0259A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0259A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	190.0		34.0	5.0		
4102-0259A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	140.0		34.0	2.7		
4102-0259A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0260A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	5.2		
4102-0260A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0260A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0260A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0260A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	180.0		35.0	5.2		
4102-0260A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	65.0		35.0	2.9		
4102-0260A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.9		
4102-0261A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0261A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0261A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0261A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0261A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	130.0		34.0	5.0		
4102-0261A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	95.0		34.0	2.7		
4102-0261A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0262A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0262A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0262A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0262A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0262A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	260.0		34.0	5.0		
4102-0262A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0262A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0263A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	5.3		
4102-0263A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	5.3		
4102-0263A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	5.3		
4102-0263A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	5.3		
4102-0263A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	200.0		35.0	5.3		
4102-0263A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	160.0		35.0	2.9		
4102-0263A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.9		
4102-0264A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	41.0	U	41.0	6.1		
4102-0264A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	41.0	U	41.0	6.1		
4102-0264A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	41.0	U	41.0	6.1		
4102-0264A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	41.0	U	41.0	6.1		
4102-0264A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	41.0	U	41.0	6.1		
4102-0264A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	41.0	U	41.0	3.3		
4102-0264A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	41.0	U	41.0	3.3		
4102-0265A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	38.0	U	38.0	5.7		
4102-0265A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0265A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0265A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0265A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0265A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	38.0	U	38.0	3.1		
4102-0265A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	38.0	U	38.0	3.1		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0266A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	5.4		
4102-0266A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	5.4		
4102-0266A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	5.4		
4102-0266A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	5.4		
4102-0266A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	36.0	U	36.0	5.4		
4102-0266A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	36.0	U	36.0	2.9		
4102-0266A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.9		
4102-0267A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	5.5		
4102-0267A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0267A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0267A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0267A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	1900.0	D	150.0	22.0		
4102-0267A-HO	12/04/08	Aroclor 1254	102711.09	14903.70	37.0	U	37.0	3.0		
4102-0267A-HO	12/04/08	Aroclor 1260	44711.09	62258.33	37.0	U	37.0	3.0		
4102-0268A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0268A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0268A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0268A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0268A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	2300.0	D	130.0	20.0		
4102-0268A-HO	09/23/08	Aroclor 1254	102711.09	14903.70	34.0	U	34.0	2.7		
4102-0268A-HO	09/23/08	Aroclor 1260	44711.09	62258.33	34.0	U	34.0	5.0		
4102-0269A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0269A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0269A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0269A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0269A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	430.0		34.0	5.0		
4102-0269A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	190.0		34.0	2.8		
4102-0269A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0270A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0270A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0270A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0270A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0270A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	440.0		34.0	5.0		
4102-0270A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	170.0		34.0	2.7		
4102-0270A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0271A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	5.3		
4102-0271A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0271A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0271A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0271A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	480.0		36.0	5.3		
4102-0271A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	330.0		36.0	2.9		
4102-0271A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.9		
4102-0272A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.1		
4102-0272A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0272A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0272A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0272A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0272A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0272A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0273A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	4.9		
4102-0273A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0273A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0273A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0273A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0273A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0273A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0274A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.1		
4102-0274A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0274A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0274A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0274A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	590.0		34.0	5.1		
4102-0274A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0274A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0275A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	5.3		
4102-0275A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0275A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0275A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0275A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	670.0		36.0	5.3		
4102-0275A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	36.0	U	36.0	2.9		
4102-0275A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.9		
4102-0276A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	5.5		
4102-0276A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0276A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0276A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0276A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0276A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	3.0		
4102-0276A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	3.0		
4102-0277A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	40.0	U	40.0	5.9		
4102-0277A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	40.0	U	40.0	5.9		
4102-0277A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	40.0	U	40.0	5.9		
4102-0277A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	40.0	U	40.0	5.9		
4102-0277A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	40.0	U	40.0	5.9		
4102-0277A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	40.0	U	40.0	3.2		
4102-0277A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	40.0	U	40.0	3.2		
4102-0278A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	5.2		
4102-0278A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0278A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0278A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0278A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0278A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	35.0	U	35.0	2.8		
4102-0278A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.8		
4102-0279A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	5.1		
4102-0279A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	5.1		
4102-0279A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	5.1		
4102-0279A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	5.1		
4102-0279A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	240.0		35.0	5.1		
4102-0279A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	120.0		35.0	2.8		
4102-0279A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.8		
4102-0280A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	5.3		
4102-0280A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0280A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0280A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0280A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	36.0	U	36.0	5.3		
4102-0280A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	820.0		36.0	2.9		
4102-0280A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.9		
4102-0281A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	5.0		
4102-0281A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0281A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0281A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0281A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	2200.0	D	130.0	20.0		
4102-0281A-HO	09/23/08	Aroclor 1254	102711.09	14903.70	33.0	U	33.0	2.7		
4102-0281A-HO	09/23/08	Aroclor 1260	44711.09	62258.33	33.0	U	33.0	2.7		
4102-0282A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.1		
4102-0282A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0282A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0282A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0282A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0282A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0282A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0283A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0283A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0283A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0283A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0283A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0283A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0283A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0284A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0284A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0284A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0284A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0284A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0284A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0284A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0285A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0285A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0285A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0285A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0285A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0285A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0285A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0286A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	39.0	U	39.0	5.8		
4102-0286A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0286A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0286A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0286A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	470.0		39.0	5.8		
4102-0286A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	39.0	U	39.0	3.1		
4102-0286A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	39.0	U	39.0	3.1		
4102-0287A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	5.2		
4102-0287A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0287A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0287A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0287A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0287A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	35.0	U	35.0	2.8		
4102-0287A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.8		
4102-0288A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	38.0	U	38.0	5.6		
4102-0288A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0288A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0288A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0288A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	260.0		38.0	5.6		
4102-0288A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	38.0	U	38.0	3.1		
4102-0288A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	38.0	U	38.0	3.1		
4102-0289A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	5.2		
4102-0289A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0289A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0289A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0289A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	220.0		35.0	5.2		
4102-0289A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	35.0	U	35.0	2.8		
4102-0289A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.8		
4102-0290A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	5.2		
4102-0290A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0290A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0290A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0290A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0290A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	35.0	U	35.0	2.9		
4102-0290A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.9		
4102-0291A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0291A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0291A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0291A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0291A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0291A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0291A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0292A-HO	09/23/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.1		
4102-0292A-HO	09/23/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0292A-HO	09/23/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0292A-HO	09/23/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0292A-HO	09/23/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0292A-HO	09/23/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0292A-HO	09/23/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0293A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0293A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0293A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0293A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0293A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0293A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0293A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0294A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	5.2		
4102-0294A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0294A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0294A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0294A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0294A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	35.0	U	35.0	2.8		
4102-0294A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.8		
4102-0295A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0295A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0295A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0295A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0295A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0295A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0295A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0296A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0296A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0296A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0296A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0296A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0296A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0296A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0297A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	5.5		
4102-0297A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0297A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0297A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0297A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0297A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	3.0		
4102-0297A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	3.0		
4102-0298A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	5.5		
4102-0298A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0298A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0298A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0298A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0298A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	3.0		
4102-0298A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	3.0		
4102-0299A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	39.0	U	39.0	5.8		
4102-0299A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0299A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0299A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0299A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0299A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	39.0	U	39.0	3.2		
4102-0299A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	39.0	U	39.0	3.2		
4102-0300A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	39.0	U	39.0	5.7		
4102-0300A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	39.0	U	39.0	5.7		
4102-0300A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	39.0	U	39.0	5.7		
4102-0300A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	39.0	U	39.0	5.7		
4102-0300A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	240.0		39.0	5.7		
4102-0300A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	39.0	U	39.0	3.1		
4102-0300A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	39.0	U	39.0	3.1		
4102-0301A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0301A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0301A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0301A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0301A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0301A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0301A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0302A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.1		
4102-0302A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0302A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0302A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0302A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0302A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0302A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0303A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	4.9		
4102-0303A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0303A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0303A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0303A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0303A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0303A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0304A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	5.0		
4102-0304A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0304A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0304A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0304A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0304A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	110.0		33.0	2.7		
4102-0304A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0305A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	5.0		
4102-0305A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0305A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0305A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0305A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0305A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0305A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0306A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	4.9		
4102-0306A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0306A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0306A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0306A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0306A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0306A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0307A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0307A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0307A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0307A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0307A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	520.0		34.0	5.0		
4102-0307A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0307A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0308A-HO	12/03/08	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	5.6		
4102-0308A-HO	12/03/08	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	5.6		
4102-0308A-HO	12/03/08	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	5.6		
4102-0308A-HO	12/03/08	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	5.6		
4102-0308A-HO	12/03/08	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	5.6		
4102-0308A-HO	12/03/08	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	3.0		
4102-0308A-HO	12/03/08	Aroclor 1260	44711.09	14903.70	110.0		37.0	3.0		
4102-0309A-HO	12/03/08	Aroclor 1016	44711.09	14904.17	38.0	U	38.0	5.7		
4102-0309A-HO	12/03/08	Aroclor 1221	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0309A-HO	12/03/08	Aroclor 1232	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0309A-HO	12/03/08	Aroclor 1242	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0309A-HO	12/03/08	Aroclor 1248	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0309A-HO	12/03/08	Aroclor 1254	102711.09	62258.33	38.0	U	38.0	3.1		
4102-0309A-HO	12/03/08	Aroclor 1260	44711.09	14903.70	38.0	U	38.0	3.1		
4102-0310A-HO	12/04/08	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	5.5		
4102-0310A-HO	12/04/08	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0310A-HO	12/04/08	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0310A-HO	12/04/08	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0310A-HO	12/04/08	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0310A-HO	12/04/08	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	3.0		
4102-0310A-HO	12/04/08	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	3.0		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0311B-HO	11/21/2008	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	4.9		
4102-0311B-HO	11/21/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	4.9		
4102-0311B-HO	11/21/2008	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0311B-HO	11/21/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0311B-HO	11/21/2008	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0311B-HO	11/21/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0311B-HO	11/21/2008	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0311B-HO	11/21/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0311B-HO	11/21/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0311B-HO	11/21/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0311B-HO	11/21/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0311B-HO	11/21/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0311B-HO	11/21/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0311B-HO	11/21/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0312A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	4.9		
4102-0312A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0312A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0312A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0312A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0312A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0312A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0313A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0313A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0313A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0313A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0313A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0313A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0313A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0314A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.1		
4102-0314A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0314A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0314A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	420.0		34.0	5.1		
4102-0314A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0314A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0314A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0315A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0315A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0315A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0315A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0315A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0315A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0315A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0316A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.1		
4102-0316A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0316A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0316A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0316A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	330.0		34.0	5.1		
4102-0316A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	240.0		34.0	2.8		
4102-0316A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	99.0		34.0	2.8		
4102-0317A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0317A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0317A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0317A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0317A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	310.0		34.0	5.0		
4102-0317A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	160.0		34.0	2.7		
4102-0317A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	56.0		34.0	2.7		
4102-0318A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.1		
4102-0318A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0318A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0318A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.1		
4102-0318A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	52.0		34.0	5.1		
4102-0318A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0318A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0319A-HO	12/03/08	Aroclor 1016	44711.09	14904.17	39.0	U	39.0	5.8		
4102-0319A-HO	12/03/08	Aroclor 1221	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0319A-HO	12/03/08	Aroclor 1232	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0319A-HO	12/03/08	Aroclor 1242	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0319A-HO	12/03/08	Aroclor 1248	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0319A-HO	12/03/08	Aroclor 1254	102711.09	62258.33	39.0	U	39.0	3.2		
4102-0319A-HO	12/03/08	Aroclor 1260	44711.09	14903.70	39.0	U	39.0	3.2		
4102-0320A-HO	12/03/08	Aroclor 1016	44711.09	14904.17	39.0	U	39.0	5.8		
4102-0320A-HO	12/03/08	Aroclor 1221	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0320A-HO	12/03/08	Aroclor 1232	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0320A-HO	12/03/08	Aroclor 1242	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0320A-HO	12/03/08	Aroclor 1248	44711.09	14903.70	39.0	U	39.0	5.8		
4102-0320A-HO	12/03/08	Aroclor 1254	102711.09	62258.33	39.0	U	39.0	3.2		
4102-0320A-HO	12/03/08	Aroclor 1260	44711.09	14903.70	39.0	U	39.0	3.2		
4102-0321A-HO	12/03/08	Aroclor 1016	44711.09	14904.17	42.0	U	42.0	6.2		
4102-0321A-HO	12/03/08	Aroclor 1221	44711.09	14903.70	42.0	U	42.0	6.2		
4102-0321A-HO	12/03/08	Aroclor 1232	44711.09	14903.70	42.0	U	42.0	6.2		
4102-0321A-HO	12/03/08	Aroclor 1242	44711.09	14903.70	42.0	U	42.0	6.2		
4102-0321A-HO	12/03/08	Aroclor 1248	44711.09	14903.70	42.0	U	42.0	6.2		
4102-0321A-HO	12/03/08	Aroclor 1254	102711.09	62258.33	42.0	U	42.0	3.4		
4102-0321A-HO	12/03/08	Aroclor 1260	44711.09	14903.70	42.0	U	42.0	3.4		
4102-0322A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0322A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0322A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0322A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0322A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0322A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0322A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0323A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0323A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0323A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0323A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0323A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0323A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0323A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0324A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0324A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0324A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0324A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0324A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0324A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0324A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0325A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0325A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0325A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0325A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0325A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0325A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	49.0		34.0	2.8		
4102-0325A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		
4102-0326A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	5.2		
4102-0326A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0326A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0326A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0326A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0326A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	35.0	U	35.0	2.8		
4102-0326A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.8		
4102-0327A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0327A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0327A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0327A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0327A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0327A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.8		
4102-0327A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.8		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0328A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	5.4		
4102-0328A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	5.4		
4102-0328A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	5.4		
4102-0328A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	5.4		
4102-0328A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	5.4		
4102-0328A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	3.0		
4102-0328A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	3.0		
4102-0329A-HO	12/03/08	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	5.5		
4102-0329A-HO	12/03/08	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0329A-HO	12/03/08	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0329A-HO	12/03/08	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0329A-HO	12/03/08	Aroclor 1248	44711.09	14903.70	73.0		37.0	5.5		
4102-0329A-HO	12/03/08	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	3.0		
4102-0329A-HO	12/03/08	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	3.0		
4102-0330A-HO	12/03/08	Aroclor 1016	44711.09	14904.17	38.0	U	38.0	5.6		
4102-0330A-HO	12/03/08	Aroclor 1221	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0330A-HO	12/03/08	Aroclor 1232	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0330A-HO	12/03/08	Aroclor 1242	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0330A-HO	12/03/08	Aroclor 1248	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0330A-HO	12/03/08	Aroclor 1254	102711.09	62258.33	38.0	U	38.0	3.1		
4102-0330A-HO	12/03/08	Aroclor 1260	44711.09	14903.70	38.0	U	38.0	3.1		
4102-0331A-HO	12/03/08	Aroclor 1016	44711.09	14904.17	38.0	U	38.0	5.7		
4102-0331A-HO	12/03/08	Aroclor 1221	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0331A-HO	12/03/08	Aroclor 1232	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0331A-HO	12/03/08	Aroclor 1242	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0331A-HO	12/03/08	Aroclor 1248	44711.09	14903.70	38.0	U	38.0	5.7		
4102-0331A-HO	12/03/08	Aroclor 1254	102711.09	62258.33	38.0	U	38.0	3.1		
4102-0331A-HO	12/03/08	Aroclor 1260	44711.09	14903.70	38.0	U	38.0	3.1		
4102-0332A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0332A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0332A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0332A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0332A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0332A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0332A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0333A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	5.0		
4102-0333A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0333A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0333A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0333A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0333A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0333A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0334A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	5.0		
4102-0334A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0334A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0334A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0334A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0334A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0334A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0335A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0335A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0335A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0335A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0335A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0335A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	200.0		34.0	2.8		
4102-0335A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	73.0		34.0	2.8		
4102-0335B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	3.6		
4102-0335B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	3.6		
4102-0335B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	3.6		
4102-0335B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	3.6		
4102-0335B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	3.6		
4102-0335B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	2.8		
4102-0335B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	2.8		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0336A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0336A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0336A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0336A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0336A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0336A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	51.0		34.0	2.7		
4102-0336A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0336B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	3.7		
4102-0336B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0336B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0336B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0336B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0336B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	2.9		
4102-0336B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	2.9		
4102-0337A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0337A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0337A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0337A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0337A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0337A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	64.0		34.0	2.7		
4102-0337A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0337B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	3.6		
4102-0337B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	3.6		
4102-0337B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	3.6		
4102-0337B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	3.6		
4102-0337B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	36.0	U	36.0	3.6		
4102-0337B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	36.0	U	36.0	2.8		
4102-0337B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.8		
4102-0338A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	5.2		
4102-0338A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0338A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0338A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0338A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	35.0	U	35.0	5.2		
4102-0338A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	35.0	U	35.0	2.9		
4102-0338A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.9		
4102-0338B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	3.5		
4102-0338B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0338B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0338B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0338B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0338B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	9.4	J	36.0	2.8		
4102-0338B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.8		
4102-0339A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	38.0	U	38.0	5.6		
4102-0339A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0339A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0339A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0339A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0339A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	38.0	U	38.0	3.1		
4102-0339A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	38.0	U	38.0	3.1		
4102-0339B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	3.5		
4102-0339B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0339B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0339B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0339B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0339B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	310.0		36.0	2.8		
4102-0339B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.8		
4102-0340A-H0	12/03/08	Aroclor 1016	44711.09	14904.17	38.0	U	38.0	5.6		
4102-0340A-H0	12/03/08	Aroclor 1221	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0340A-H0	12/03/08	Aroclor 1232	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0340A-H0	12/03/08	Aroclor 1242	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0340A-H0	12/03/08	Aroclor 1248	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0340A-H0	12/03/08	Aroclor 1254	102711.09	62258.33	38.0	U	38.0	3.1		
4102-0340A-H0	12/03/08	Aroclor 1260	44711.09	14903.70	38.0	U	38.0	3.1		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0340B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	3.5		
4102-0340B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	3.5		
4102-0340B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	3.5		
4102-0340B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	3.5		
4102-0340B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	35.0	U	35.0	3.5		
4102-0340B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	35.0	U	35.0	2.7		
4102-0340B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.7		
4102-0341A-H0	12/03/08	Aroclor 1016	44711.09	14904.17	38.0	U	38.0	5.6		
4102-0341A-H0	12/03/08	Aroclor 1221	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0341A-H0	12/03/08	Aroclor 1232	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0341A-H0	12/03/08	Aroclor 1242	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0341A-H0	12/03/08	Aroclor 1248	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0341A-H0	12/03/08	Aroclor 1254	102711.09	62258.33	38.0	U	38.0	3.1		
4102-0341A-H0	12/03/08	Aroclor 1260	44711.09	14903.70	38.0	U	38.0	3.1		
4102-0341B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	35.0	U	35.0	3.5		
4102-0341B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	35.0	U	35.0	3.5		
4102-0341B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	35.0	U	35.0	3.5		
4102-0341B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	35.0	U	35.0	3.5		
4102-0341B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	35.0	U	35.0	3.5		
4102-0341B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	35.0	U	35.0	2.7		
4102-0341B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	35.0	U	35.0	2.7		
4102-0342A-H0	12/03/08	Aroclor 1016	44711.09	14904.17	38.0	U	38.0	5.6		
4102-0342A-H0	12/03/08	Aroclor 1221	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0342A-H0	12/03/08	Aroclor 1232	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0342A-H0	12/03/08	Aroclor 1242	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0342A-H0	12/03/08	Aroclor 1248	44711.09	14903.70	38.0	U	38.0	5.6		
4102-0342A-H0	12/03/08	Aroclor 1254	102711.09	62258.33	38.0	U	38.0	3.1		
4102-0342A-H0	12/03/08	Aroclor 1260	44711.09	14903.70	38.0	U	38.0	3.1		
4102-0342B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	3.7		
4102-0342B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0342B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0342B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	37.0		37.0	3.7		
4102-0342B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0342B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	2.9		
4102-0342B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	2.9		
4102-0343A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	5.0		
4102-0343A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0343A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0343A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0343A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	33.0	U	33.0	5.0		
4102-0343A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0343A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0343B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	39.0	U	39.0	3.8		
4102-0343B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	39.0	U	39.0	3.8		
4102-0343B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	39.0	U	39.0	3.8		
4102-0343B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	39.0	U	39.0	3.8		
4102-0343B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	39.0	U	39.0	3.8		
4102-0343B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	39.0	U	39.0	3.0		
4102-0343B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	39.0	U	39.0	3.0		
4102-0344A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	33.0	U	33.0	4.9		
4102-0344A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0344A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0344A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	33.0	U	33.0	4.9		
4102-0344A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	170.0		33.0	4.9		
4102-0344A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	33.0	U	33.0	2.7		
4102-0344A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	33.0	U	33.0	2.7		
4102-0344B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	3.6		
4102-0344B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	3.6		
4102-0344B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	3.6		
4102-0344B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	3.6		
4102-0344B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	36.0	U	36.0	3.6		
4102-0344B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	36.0	U	36.0	2.8		
4102-0344B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.8		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0345A-HO	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0345A-HO	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0345A-HO	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0345A-HO	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0345A-HO	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0345A-HO	09/29/08	Aroclor 1254	102711.09	62258.33	48.0		34.0	2.7		
4102-0345A-HO	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0345B-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	3.5		
4102-0345B-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0345B-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0345B-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0345B-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0345B-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	14.0	J	36.0	2.7		
4102-0345B-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.7		
4102-0346A-HD	09/29/08	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0346A-HD	09/29/08	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0346A-HD	09/29/08	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0346A-HD	09/29/08	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0346A-HD	09/29/08	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0346A-HD	09/29/08	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0346A-HD	09/29/08	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0346A-HO	9/29/2008	Aroclor 1016	44711.09	14904.17	34.0	U	34.0	5.0		
4102-0346A-HO	9/29/2008	Aroclor 1221	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0346A-HO	9/29/2008	Aroclor 1232	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0346A-HO	9/29/2008	Aroclor 1242	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0346A-HO	9/29/2008	Aroclor 1248	44711.09	14903.70	34.0	U	34.0	5.0		
4102-0346A-HO	9/29/2008	Aroclor 1254	102711.09	62258.33	34.0	U	34.0	2.7		
4102-0346A-HO	9/29/2008	Aroclor 1260	44711.09	14903.70	34.0	U	34.0	2.7		
4102-0346B-HO	04/23/09	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	3.7		
4102-0346B-HO	04/23/09	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0346B-HO	04/23/09	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0346B-HO	04/23/09	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0346B-HO	04/23/09	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	3.7		
4102-0346B-HO	04/23/09	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	2.9		
4102-0346B-HO	04/23/09	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	2.9		
4102-0347A-HO	9/29/2008	Aroclor 1016	44711.09	14904.17	37.0	U	37.0	5.5		
4102-0347A-HO	9/29/2008	Aroclor 1221	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0347A-HO	9/29/2008	Aroclor 1232	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0347A-HO	9/29/2008	Aroclor 1242	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0347A-HO	9/29/2008	Aroclor 1248	44711.09	14903.70	37.0	U	37.0	5.5		
4102-0347A-HO	9/29/2008	Aroclor 1254	102711.09	62258.33	37.0	U	37.0	3.0		
4102-0347A-HO	9/29/2008	Aroclor 1260	44711.09	14903.70	37.0	U	37.0	3.0		
4102-0347B-HO	04/23/09	Aroclor 1016	44711.09	14904.17	36.0	U	36.0	3.5		
4102-0347B-HO	04/23/09	Aroclor 1221	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0347B-HO	04/23/09	Aroclor 1232	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0347B-HO	04/23/09	Aroclor 1242	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0347B-HO	04/23/09	Aroclor 1248	44711.09	14903.70	36.0	U	36.0	3.5		
4102-0347B-HO	04/23/09	Aroclor 1254	102711.09	62258.33	6.3	J	36.0	2.8		
4102-0347B-HO	04/23/09	Aroclor 1260	44711.09	14903.70	36.0	U	36.0	2.8		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit ug/kg	MDL ug/kg		Greater than CO
4102-0348A-HO	4/23/2009	Aroclor 1016	44711.09	14904.17	41.0	U	41.0	4.1		
4102-0348A-HO	4/23/2009	Aroclor 1221	44711.09	14903.70	41.0	U	41.0	4.1		
4102-0348A-HO	4/23/2009	Aroclor 1232	44711.09	14903.70	41.0	U	41.0	4.1		
4102-0348A-HO	4/23/2009	Aroclor 1242	44711.09	14903.70	41.0	U	41.0	4.1		
4102-0348A-HO	4/23/2009	Aroclor 1248	44711.09	14903.70	41.0	U	41.0	4.1		
4102-0348A-HO	4/23/2009	Aroclor 1254	102711.09	62258.33	41.0	U	41.0	3.2		
4102-0348A-HO	4/23/2009	Aroclor 1260	44711.09	14903.70	41.0	U	41.0	3.2		
4102-0349A-HO	04/23/09	Aroclor 1016	44711.09	14904.17	40.0	U	40.0	3.9		
4102-0349A-HO	04/23/09	Aroclor 1221	44711.09	14903.70	40.0	U	40.0	3.9		
4102-0349A-HO	04/23/09	Aroclor 1232	44711.09	14903.70	40.0	U	40.0	3.9		
4102-0349A-HO	04/23/09	Aroclor 1242	44711.09	14903.70	40.0	U	40.0	3.9		
4102-0349A-HO	04/23/09	Aroclor 1248	44711.09	14903.70	40.0	U	40.0	3.9		
4102-0349A-HO	04/23/09	Aroclor 1254	102711.09	62258.33	40.0	U	40.0	3.0		
4102-0349A-HO	04/23/09	Aroclor 1260	44711.09	14903.70	40.0	U	40.0	3.0		
CO	Cleanup Objective									
HS	Hot Spot Criteria									
MDL	Minimum Detectable Limit									
FLAGS:										
D	Identified using a secondary dilution factor.									
J	Estimated results. Result is less than Reporting Limit									
PG	The percent difference between the original and confirmation is greater than 40%									
U	The compound was analyzed for but not detected.									

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0480A-HO	4/27/2009	Actinium-227	4.60	13.61	0.12	0.23	U		
4103-0480A-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4103-0480A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4103-0480A-HO	4/27/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4103-0480A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4103-0480A-HO	4/27/2009	Lead-210	7.40	19.80	0.39	0.57	U		
4103-0480A-HO	4/27/2009	Plutonium-238	55.00	165.13	1.21	6.00	U		
4103-0480A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.74	1.32	U		
4103-0480A-HO	4/27/2009	Radium-226	2.90	4.70	0.48	0.11			
4103-0480A-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	5.83	U		
4103-0480A-HO	4/27/2009	Thorium-232	2.10	3.50	0.35	0.12			
4103-0480A-HO	4/27/2009	Uranium-238	2.20	4.20	0.53	0.36			
4103-0481A-HO	4/27/2009	Actinium-227	4.60	13.61	0.01	0.27	U		
4103-0481A-HO	4/27/2009	Americium-241	63.00	189.00	0.03	0.07	U		
4103-0481A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4103-0481A-HO	4/27/2009	Cesium-137	3.80	10.62	0.04	0.03			
4103-0481A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.03	0.04	U		
4103-0481A-HO	4/27/2009	Lead-210	7.40	19.80	0.56	0.57	U		
4103-0481A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.71	6.57	U		
4103-0481A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.38	1.40	U		
4103-0481A-HO	4/27/2009	Radium-226	2.90	4.70	0.51	0.08			
4103-0481A-HO	4/27/2009	Thorium-230	2.80	4.60	1.29	5.93	U		
4103-0481A-HO	4/27/2009	Thorium-232	2.10	3.50	0.50	0.12			
4103-0481A-HO	4/27/2009	Uranium-238	2.20	4.20	0.45	0.39			
4103-0482A-HO	4/27/2009	Actinium-227	4.60	13.61	0.03	0.23	U		
4103-0482A-HO	4/27/2009	Americium-241	63.00	189.00	0.03	0.05	U		
4103-0482A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4103-0482A-HO	4/27/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4103-0482A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4103-0482A-HO	4/27/2009	Lead-210	7.40	19.80	0.58	0.51			
4103-0482A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	5.91	U		
4103-0482A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.15	1.36	U		
4103-0482A-HO	4/27/2009	Radium-226	2.90	4.70	0.47	0.11			
4103-0482A-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	5.27	U		
4103-0482A-HO	4/27/2009	Thorium-232	2.10	3.50	0.25	0.12			
4103-0482A-HO	4/27/2009	Uranium-238	2.20	4.20	0.64	0.31			
4103-0483A-HO	4/27/2009	Actinium-227	4.60	13.61	0.10	0.23	U		
4103-0483A-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.05	U		
4103-0483A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4103-0483A-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4103-0483A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4103-0483A-HO	4/27/2009	Lead-210	7.40	19.80	0.57	0.51			
4103-0483A-HO	4/27/2009	Plutonium-238	55.00	165.13	1.02	5.96	U		
4103-0483A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.19	1.37	U		
4103-0483A-HO	4/27/2009	Radium-226	2.90	4.70	0.45	0.10			
4103-0483A-HO	4/27/2009	Thorium-230	2.80	4.60	1.04	5.15	U		
4103-0483A-HO	4/27/2009	Thorium-232	2.10	3.50	0.14	0.16	U		
4103-0483A-HO	4/27/2009	Uranium-238	2.20	4.20	0.56	0.32			
4103-0484A-HO	4/27/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4103-0484A-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0484A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0484A-HO	4/27/2009	Cesium-137	3.80	10.62	0.03	0.03			
4103-0484A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0484A-HO	4/27/2009	Lead-210	7.40	19.80	0.63	0.60			
4103-0484A-HO	4/27/2009	Plutonium-238	55.00	165.13	3.73	5.86	U		
4103-0484A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.59	1.42	U		
4103-0484A-HO	4/27/2009	Radium-226	2.90	4.70	0.56	0.10			
4103-0484A-HO	4/27/2009	Thorium-230	2.80	4.60	0.78	6.04	U		
4103-0484A-HO	4/27/2009	Thorium-232	2.10	3.50	0.28	0.18			
4103-0484A-HO	4/27/2009	Uranium-238	2.20	4.20	0.75	0.40			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0485A-HO	4/27/2009	Actinium-227	4.60	13.61	0.00	0.29	U		
4103-0485A-HO	4/27/2009	Americium-241	63.00	189.00	0.04	0.06	U		
4103-0485A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4103-0485A-HO	4/27/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4103-0485A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4103-0485A-HO	4/27/2009	Lead-210	7.40	19.80	0.41	0.61	U		
4103-0485A-HO	4/27/2009	Plutonium-238	55.00	165.13	4.27	6.40	U		
4103-0485A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.86	1.27	U		
4103-0485A-HO	4/27/2009	Radium-226	2.90	4.70	0.58	0.11			
4103-0485A-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	6.04	U		
4103-0485A-HO	4/27/2009	Thorium-232	2.10	3.50	0.21	0.20			
4103-0485A-HO	4/27/2009	Uranium-238	2.20	4.20	0.41	0.40			
4103-0486A-HO	4/27/2009	Actinium-227	4.60	13.61	0.09	0.43	U		
4103-0486A-HO	4/27/2009	Americium-241	63.00	189.00	0.05	0.09	U		
4103-0486A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0486A-HO	4/27/2009	Cesium-137	3.80	10.62	0.02	0.06	U		
4103-0486A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.03	0.08	U		
4103-0486A-HO	4/27/2009	Lead-210	7.40	19.80	0.49	0.94	U		
4103-0486A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.23	9.20	U		
4103-0486A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.89	2.03	U		
4103-0486A-HO	4/27/2009	Radium-226	2.90	4.70	0.87	0.14			
4103-0486A-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	9.41	U		
4103-0486A-HO	4/27/2009	Thorium-232	2.10	3.50	0.79	0.29			
4103-0486A-HO	4/27/2009	Uranium-238	2.20	4.20	0.75	0.48			
4103-0487A-HO	4/27/2009	Actinium-227	4.60	13.61	0.08	0.41	U		
4103-0487A-HO	4/27/2009	Americium-241	63.00	189.00	0.06	0.09	U		
4103-0487A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4103-0487A-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.08	U		
4103-0487A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.04	0.07	U		
4103-0487A-HO	4/27/2009	Lead-210	7.40	19.80	1.28	0.89			
4103-0487A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	9.82	U		
4103-0487A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.00	2.33	U		
4103-0487A-HO	4/27/2009	Radium-226	2.90	4.70	0.83	0.17			
4103-0487A-HO	4/27/2009	Thorium-230	2.80	4.60	2.23	9.26	U		
4103-0487A-HO	4/27/2009	Thorium-232	2.10	3.50	0.84	0.30			
4103-0487A-HO	4/27/2009	Uranium-238	2.20	4.20	1.13	0.57			
4103-0488A-HO	4/27/2009	Actinium-227	4.60	13.61	0.16	0.38	U		
4103-0488A-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0488A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0488A-HO	4/27/2009	Cesium-137	3.80	10.62	0.02	0.07	U		
4103-0488A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.04	0.07	U		
4103-0488A-HO	4/27/2009	Lead-210	7.40	19.80	0.70	0.88	U		
4103-0488A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	9.51	U		
4103-0488A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.00	2.16	U		
4103-0488A-HO	4/27/2009	Radium-226	2.90	4.70	0.74	0.17			
4103-0488A-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	9.09	U		
4103-0488A-HO	4/27/2009	Thorium-232	2.10	3.50	0.84	0.26			
4103-0488A-HO	4/27/2009	Uranium-238	2.20	4.20	1.41	0.51			
4103-0489A-HO	4/27/2009	Actinium-227	4.60	13.61	0.00	0.44	U		
4103-0489A-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.11	U		
4103-0489A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4103-0489A-HO	4/27/2009	Cesium-137	3.80	10.62	0.04	0.07	U		
4103-0489A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.11	U		
4103-0489A-HO	4/27/2009	Lead-210	7.40	19.80	1.09	0.94			
4103-0489A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	9.40	U		
4103-0489A-HO	4/27/2009	Protactinium-231	4.00	11.81	1.02	2.03	U		
4103-0489A-HO	4/27/2009	Radium-226	2.90	4.70	0.86	0.16			
4103-0489A-HO	4/27/2009	Thorium-230	2.80	4.60	1.19	9.06	U		
4103-0489A-HO	4/27/2009	Thorium-232	2.10	3.50	0.72	0.31			
4103-0489A-HO	4/27/2009	Uranium-238	2.20	4.20	0.98	0.59			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0490A-HO	4/27/2009	Actinium-227	4.60	13.61	0.04	0.40	U		
4103-0490A-HO	4/27/2009	Americium-241	63.00	189.00	0.02	0.09	U		
4103-0490A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0490A-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4103-0490A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0490A-HO	4/27/2009	Lead-210	7.40	19.80	0.00	0.90	U		
4103-0490A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	8.25	U		
4103-0490A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.00	2.14	U		
4103-0490A-HO	4/27/2009	Radium-226	2.90	4.70	0.67	0.18			
4103-0490A-HO	4/27/2009	Thorium-230	2.80	4.60	3.48	8.23	U		
4103-0490A-HO	4/27/2009	Thorium-232	2.10	3.50	0.85	0.24			
4103-0490A-HO	4/27/2009	Uranium-238	2.20	4.20	1.08	0.50			
4103-0491A-HO	4/27/2009	Actinium-227	4.60	13.61	0.08	0.37	U		
4103-0491A-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0491A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0491A-HO	4/27/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4103-0491A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0491A-HO	4/27/2009	Lead-210	7.40	19.80	0.78	0.83	U		
4103-0491A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	8.49	U		
4103-0491A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.00	2.03	U		
4103-0491A-HO	4/27/2009	Radium-226	2.90	4.70	0.85	0.14			
4103-0491A-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	8.44	U		
4103-0491A-HO	4/27/2009	Thorium-232	2.10	3.50	0.71	0.22			
4103-0491A-HO	4/27/2009	Uranium-238	2.20	4.20	0.96	0.53			
4103-0492A-HO	4/27/2009	Actinium-227	4.60	13.61	0.03	0.39	U		
4103-0492A-HO	4/27/2009	Americium-241	63.00	189.00	0.06	0.09	U		
4103-0492A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4103-0492A-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4103-0492A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4103-0492A-HO	4/27/2009	Lead-210	7.40	19.80	0.95	0.84			
4103-0492A-HO	4/27/2009	Plutonium-238	55.00	165.13	7.44	9.03	U		
4103-0492A-HO	4/27/2009	Protactinium-231	4.00	11.81	1.02	1.94	U		
4103-0492A-HO	4/27/2009	Radium-226	2.90	4.70	0.77	0.15			
4103-0492A-HO	4/27/2009	Thorium-230	2.80	4.60	0.00	9.00	U		
4103-0492A-HO	4/27/2009	Thorium-232	2.10	3.50	0.57	0.30			
4103-0492A-HO	4/27/2009	Uranium-238	2.20	4.20	0.72	0.59			
4103-0493A-HO	4/27/2009	Actinium-227	4.60	13.61	0.04	0.27	U		
4103-0493A-HO	4/27/2009	Americium-241	63.00	189.00	0.04	0.06	U		
4103-0493A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0493A-HO	4/27/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0493A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4103-0493A-HO	4/27/2009	Lead-210	7.40	19.80	0.54	0.64	U		
4103-0493A-HO	4/27/2009	Plutonium-238	55.00	165.13	0.00	7.21	U		
4103-0493A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.00	1.66	U		
4103-0493A-HO	4/27/2009	Radium-226	2.90	4.70	0.60	0.11			
4103-0493A-HO	4/27/2009	Thorium-230	2.80	4.60	1.16	5.96	U		
4103-0493A-HO	4/27/2009	Thorium-232	2.10	3.50	0.13	0.15	U		
4103-0493A-HO	4/27/2009	Uranium-238	2.20	4.20	0.53	0.38			
4103-0494A-HO	Asphalt surface	See RSDS							
4103-0495A-HO	4/27/2009	Actinium-227	4.60	13.61	0.00	0.28	U		
4103-0495A-HO	4/27/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0495A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4103-0495A-HO	4/27/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4103-0495A-HO	4/27/2009	Cobalt-60	0.70	2.10	0.02	0.04	U		
4103-0495A-HO	4/27/2009	Lead-210	7.40	19.80	0.72	0.61			
4103-0495A-HO	4/27/2009	Plutonium-238	55.00	165.13	4.52	6.04	U		
4103-0495A-HO	4/27/2009	Protactinium-231	4.00	11.81	0.74	1.28	U		
4103-0495A-HO	4/27/2009	Radium-226	2.90	4.70	0.52	0.12			
4103-0495A-HO	4/27/2009	Thorium-230	2.80	4.60	0.45	6.07	U		
4103-0495A-HO	4/27/2009	Thorium-232	2.10	3.50	0.26	0.20			
4103-0495A-HO	4/27/2009	Uranium-238	2.20	4.20	0.57	0.37			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0496A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4103-0496A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0496A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4103-0496A-HO	4/23/2009	Cesium-137	3.80	10.62	0.03	0.06	U		
4103-0496A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0496A-HO	4/23/2009	Lead-210	7.40	19.80	0.25	0.80	U		
4103-0496A-HO	4/23/2009	Plutonium-238	55.00	165.13	3.80	7.84	U		
4103-0496A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.00	1.97	U		
4103-0496A-HO	4/23/2009	Radium-226	2.90	4.70	0.56	0.15			
4103-0496A-HO	4/23/2009	Thorium-230	2.80	4.60	3.66	7.75	U		
4103-0496A-HO	4/23/2009	Thorium-232	2.10	3.50	0.44	0.30			
4103-0496A-HO	4/23/2009	Uranium-238	2.20	4.20	0.84	0.48			
4103-0497A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.40	U		
4103-0497A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0497A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0497A-HO	4/23/2009	Cesium-137	3.80	10.62	0.04	0.06	U		
4103-0497A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4103-0497A-HO	4/23/2009	Lead-210	7.40	19.80	0.61	0.90	U		
4103-0497A-HO	4/23/2009	Plutonium-238	55.00	165.13	1.15	9.05	U		
4103-0497A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.02	2.01	U		
4103-0497A-HO	4/23/2009	Radium-226	2.90	4.70	0.62	0.13			
4103-0497A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	9.28	U		
4103-0497A-HO	4/23/2009	Thorium-232	2.10	3.50	0.69	0.25			
4103-0497A-HO	4/23/2009	Uranium-238	2.20	4.20	1.05	0.53			
4103-0498A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.36	U		
4103-0498A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0498A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0498A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0498A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4103-0498A-HO	4/23/2009	Lead-210	7.40	19.80	0.45	0.83	U		
4103-0498A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.00	8.96	U		
4103-0498A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.00	2.03	U		
4103-0498A-HO	4/23/2009	Radium-226	2.90	4.70	0.78	0.13			
4103-0498A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	7.88	U		
4103-0498A-HO	4/23/2009	Thorium-232	2.10	3.50	0.48	0.25			
4103-0498A-HO	4/23/2009	Uranium-238	2.20	4.20	0.87	0.49			
4103-0499A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4103-0499A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0499A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0499A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0499A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.05	0.06	U		
4103-0499A-HO	4/23/2009	Lead-210	7.40	19.80	0.27	0.84	U		
4103-0499A-HO	4/23/2009	Plutonium-238	55.00	165.13	3.44	8.34	U		
4103-0499A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.49	2.01	U		
4103-0499A-HO	4/23/2009	Radium-226	2.90	4.70	0.67	0.15			
4103-0499A-HO	4/23/2009	Thorium-230	2.80	4.60	0.33	8.07	U		
4103-0499A-HO	4/23/2009	Thorium-232	2.10	3.50	0.68	0.18			
4103-0499A-HO	4/23/2009	Uranium-238	2.20	4.20	0.97	0.48			
4103-0500A-HO	4/23/2009	Actinium-227	4.60	13.61	0.06	0.35	U		
4103-0500A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0500A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0500A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0500A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.02	0.07	U		
4103-0500A-HO	4/23/2009	Lead-210	7.40	19.80	0.39	0.78	U		
4103-0500A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.36	7.88	U		
4103-0500A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.16	1.96	U		
4103-0500A-HO	4/23/2009	Radium-226	2.90	4.70	0.44	0.17			
4103-0500A-HO	4/23/2009	Thorium-230	2.80	4.60	5.27	7.05	U		
4103-0500A-HO	4/23/2009	Thorium-232	2.10	3.50	0.49	0.26			
4103-0500A-HO	4/23/2009	Uranium-238	2.20	4.20	0.75	0.46			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0501A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.41	U		
4103-0501A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0501A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0501A-HO	4/23/2009	Cesium-137	3.80	10.62	0.03	0.07	U		
4103-0501A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.04	0.06	U		
4103-0501A-HO	4/23/2009	Lead-210	7.40	19.80	0.53	0.87	U		
4103-0501A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.00	9.11	U		
4103-0501A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.42	2.14	U		
4103-0501A-HO	4/23/2009	Radium-226	2.90	4.70	0.65	0.15			
4103-0501A-HO	4/23/2009	Thorium-230	2.80	4.60	1.73	8.23	U		
4103-0501A-HO	4/23/2009	Thorium-232	2.10	3.50	0.83	0.29			
4103-0501A-HO	4/23/2009	Uranium-238	2.20	4.20	0.77	0.53			
4103-0502A-HO	4/23/2009	Actinium-227	4.60	13.61	0.04	0.36	U		
4103-0502A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0502A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0502A-HO	4/23/2009	Cesium-137	3.80	10.62	0.11	0.06			
4103-0502A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.04	0.08	U		
4103-0502A-HO	4/23/2009	Lead-210	7.40	19.80	0.89	0.78			
4103-0502A-HO	4/23/2009	Plutonium-238	55.00	165.13	1.39	8.26	U		
4103-0502A-HO	4/23/2009	Protactinium-231	4.00	11.81	1.49	1.71	U		
4103-0502A-HO	4/23/2009	Radium-226	2.90	4.70	0.59	0.16			
4103-0502A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	8.57	U		
4103-0502A-HO	4/23/2009	Thorium-232	2.10	3.50	0.90	0.17			
4103-0502A-HO	4/23/2009	Uranium-238	2.20	4.20	0.72	0.49			
4103-0503A-HO	4/23/2009	Actinium-227	4.60	13.61	0.27	0.41	U		
4103-0503A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.11	U		
4103-0503A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.09	U		
4103-0503A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4103-0503A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.04	0.06	U		
4103-0503A-HO	4/23/2009	Lead-210	7.40	19.80	0.95	0.93			
4103-0503A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.00	9.49	U		
4103-0503A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.00	2.48	U		
4103-0503A-HO	4/23/2009	Radium-226	2.90	4.70	0.91	0.12			
4103-0503A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	9.62	U		
4103-0503A-HO	4/23/2009	Thorium-232	2.10	3.50	0.90	0.28			
4103-0503A-HO	4/23/2009	Uranium-238	2.20	4.20	1.02	0.58			
4103-0504A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.42	U		
4103-0504A-HO	4/23/2009	Americium-241	63.00	189.00	0.08	0.10	U		
4103-0504A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4103-0504A-HO	4/23/2009	Cesium-137	3.80	10.62	0.01	0.07	U		
4103-0504A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0504A-HO	4/23/2009	Lead-210	7.40	19.80	0.62	0.97	U		
4103-0504A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.00	10.00	U		
4103-0504A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.34	2.20	U		
4103-0504A-HO	4/23/2009	Radium-226	2.90	4.70	0.84	0.13			
4103-0504A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	9.68	U		
4103-0504A-HO	4/23/2009	Thorium-232	2.10	3.50	1.06	0.22			
4103-0504A-HO	4/23/2009	Uranium-238	2.20	4.20	1.10	0.58			
4103-0505A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.43	U		
4103-0505A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4103-0505A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0505A-HO	4/23/2009	Cesium-137	3.80	10.62	0.04	0.06	U		
4103-0505A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4103-0505A-HO	4/23/2009	Lead-210	7.40	19.80	0.48	0.94	U		
4103-0505A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.00	9.65	U		
4103-0505A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.00	2.46	U		
4103-0505A-HO	4/23/2009	Radium-226	2.90	4.70	0.79	0.16			
4103-0505A-HO	4/23/2009	Thorium-230	2.80	4.60	4.14	8.78	U		
4103-0505A-HO	4/23/2009	Thorium-232	2.10	3.50	0.78	0.22			
4103-0505A-HO	4/23/2009	Uranium-238	2.20	4.20	0.86	0.55			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0506A-HO	4/23/2009	Actinium-227	4.60	13.61	0.09	0.40	U		
4103-0506A-HO	4/23/2009	Americium-241	63.00	189.00	0.04	0.09	U		
4103-0506A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4103-0506A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4103-0506A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0506A-HO	4/23/2009	Lead-210	7.40	19.80	0.65	0.85	U		
4103-0506A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.00	9.36	U		
4103-0506A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.00	2.15	U		
4103-0506A-HO	4/23/2009	Radium-226	2.90	4.70	0.45	0.19			
4103-0506A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	9.18	U		
4103-0506A-HO	4/23/2009	Thorium-232	2.10	3.50	0.52	0.31			
4103-0506A-HO	4/23/2009	Uranium-238	2.20	4.20	0.86	0.53			
4103-0507A-HO	4/23/2009	Actinium-227	4.60	13.61	0.04	0.34	U		
4103-0507A-HO	4/23/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4103-0507A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4103-0507A-HO	4/23/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4103-0507A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4103-0507A-HO	4/23/2009	Lead-210	7.40	19.80	0.49	0.75	U		
4103-0507A-HO	4/23/2009	Plutonium-238	55.00	165.13	2.59	7.17	U		
4103-0507A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.88	1.54	U		
4103-0507A-HO	4/23/2009	Radium-226	2.90	4.70	0.52	0.15			
4103-0507A-HO	4/23/2009	Thorium-230	2.80	4.60	2.82	7.05	U		
4103-0507A-HO	4/23/2009	Thorium-232	2.10	3.50	0.39	0.22			
4103-0507A-HO	4/23/2009	Uranium-238	2.20	4.20	0.42	0.48	U		
4103-0508A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4103-0508A-HO	4/23/2009	Americium-241	63.00	189.00	0.05	0.06	U		
4103-0508A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4103-0508A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0508A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0508A-HO	4/23/2009	Lead-210	7.40	19.80	0.62	0.57			
4103-0508A-HO	4/23/2009	Plutonium-238	55.00	165.13	1.33	5.54	U		
4103-0508A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.00	1.53	U		
4103-0508A-HO	4/23/2009	Radium-226	2.90	4.70	0.52	0.11			
4103-0508A-HO	4/23/2009	Thorium-230	2.80	4.60	0.52	5.58	U		
4103-0508A-HO	4/23/2009	Thorium-232	2.10	3.50	0.32	0.15			
4103-0508A-HO	4/23/2009	Uranium-238	2.20	4.20	0.41	0.38			
4103-0509A-HO	4/23/2009	Actinium-227	4.60	13.61	0.14	0.35	U		
4103-0509A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0509A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4103-0509A-HO	4/23/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4103-0509A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4103-0509A-HO	4/23/2009	Lead-210	7.40	19.80	0.86	0.79			
4103-0509A-HO	4/23/2009	Plutonium-238	55.00	165.13	1.03	8.89	U		
4103-0509A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.12	2.11	U		
4103-0509A-HO	4/23/2009	Radium-226	2.90	4.70	0.60	0.14			
4103-0509A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	7.69	U		
4103-0509A-HO	4/23/2009	Thorium-232	2.10	3.50	0.44	0.24			
4103-0509A-HO	4/23/2009	Uranium-238	2.20	4.20	1.06	0.44			
4103-0510A-HO	4/23/2009	Actinium-227	4.60	13.61	0.13	0.35	U		
4103-0510A-HO	4/23/2009	Americium-241	63.00	189.00	0.06	0.08	U		
4103-0510A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0510A-HO	4/23/2009	Cesium-137	3.80	10.62	0.04	0.06	U		
4103-0510A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0510A-HO	4/23/2009	Lead-210	7.40	19.80	0.01	0.87	U		
4103-0510A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.19	8.47	U		
4103-0510A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.12	1.98	U		
4103-0510A-HO	4/23/2009	Radium-226	2.90	4.70	0.71	0.12			
4103-0510A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	8.26	U		
4103-0510A-HO	4/23/2009	Thorium-232	2.10	3.50	0.56	0.27			
4103-0510A-HO	4/23/2009	Uranium-238	2.20	4.20	0.65	0.54			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0511A-HO	4/23/2009	Actinium-227	4.60	13.61	0.04	0.39	U		
4103-0511A-HO	4/23/2009	Americium-241	63.00	189.00	0.01	0.09	U		
4103-0511A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0511A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4103-0511A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0511A-HO	4/23/2009	Lead-210	7.40	19.80	0.72	0.86	U		
4103-0511A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.59	8.21	U		
4103-0511A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.14	2.03	U		
4103-0511A-HO	4/23/2009	Radium-226	2.90	4.70	0.60	0.17			
4103-0511A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	8.67	U		
4103-0511A-HO	4/23/2009	Thorium-232	2.10	3.50	0.53	0.29			
4103-0511A-HO	4/23/2009	Uranium-238	2.20	4.20	0.79	0.52			
4103-0512A-HO	4/23/2009	Actinium-227	4.60	13.61	0.19	0.40	U		
4103-0512A-HO	4/23/2009	Americium-241	63.00	189.00	0.04	0.09	U		
4103-0512A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.01	0.07	U		
4103-0512A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0512A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4103-0512A-HO	4/23/2009	Lead-210	7.40	19.80	1.05	0.86			
4103-0512A-HO	4/23/2009	Plutonium-238	55.00	165.13	1.09	8.80	U		
4103-0512A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.00	2.20	U		
4103-0512A-HO	4/23/2009	Radium-226	2.90	4.70	0.49	0.19			
4103-0512A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	9.31	U		
4103-0512A-HO	4/23/2009	Thorium-232	2.10	3.50	0.64	0.33			
4103-0512A-HO	4/23/2009	Uranium-238	2.20	4.20	0.91	0.56			
4103-0513A-HO	4/23/2009	Actinium-227	4.60	13.61	0.08	0.30	U		
4103-0513A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0513A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0513A-HO	4/23/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4103-0513A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4103-0513A-HO	4/23/2009	Lead-210	7.40	19.80	0.79	0.64			
4103-0513A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.00	6.86	U		
4103-0513A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.34	1.76	U		
4103-0513A-HO	4/23/2009	Radium-226	2.90	4.70	0.58	0.11			
4103-0513A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	6.97	U		
4103-0513A-HO	4/23/2009	Thorium-232	2.10	3.50	0.38	0.24			
4103-0513A-HO	4/23/2009	Uranium-238	2.20	4.20	0.48	0.44			
4103-0514A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.41	U		
4103-0514A-HO	4/23/2009	Americium-241	63.00	189.00	0.01	0.09	U		
4103-0514A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0514A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0514A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4103-0514A-HO	4/23/2009	Lead-210	7.40	19.80	0.36	0.86	U		
4103-0514A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.00	8.06	U		
4103-0514A-HO	4/23/2009	Protactinium-231	4.00	11.81	1.48	1.70	U		
4103-0514A-HO	4/23/2009	Radium-226	2.90	4.70	0.67	0.14			
4103-0514A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	8.49	U		
4103-0514A-HO	4/23/2009	Thorium-232	2.10	3.50	0.41	0.33			
4103-0514A-HO	4/23/2009	Uranium-238	2.20	4.20	0.99	0.54			
4103-0515A-HO	4/23/2009	Actinium-227	4.60	13.61	0.12	0.37	U		
4103-0515A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0515A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0515A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4103-0515A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.03	0.07	U		
4103-0515A-HO	4/23/2009	Lead-210	7.40	19.80	0.67	0.81	U		
4103-0515A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.69	7.80	U		
4103-0515A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.24	2.11	U		
4103-0515A-HO	4/23/2009	Radium-226	2.90	4.70	0.60	0.17			
4103-0515A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	8.93	U		
4103-0515A-HO	4/23/2009	Thorium-232	2.10	3.50	0.86	0.21			
4103-0515A-HO	4/23/2009	Uranium-238	2.20	4.20	0.85	0.55			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0516A-HO	4/23/2009	Actinium-227	4.60	13.61	0.27	0.29	U		
4103-0516A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0516A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0516A-HO	4/23/2009	Cesium-137	3.80	10.62	0.04	0.04			
4103-0516A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.02	0.06	U		
4103-0516A-HO	4/23/2009	Lead-210	7.40	19.80	0.82	0.67			
4103-0516A-HO	4/23/2009	Plutonium-238	55.00	165.13	2.16	6.47	U		
4103-0516A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.82	1.63	U		
4103-0516A-HO	4/23/2009	Radium-226	2.90	4.70	0.43	0.15			
4103-0516A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	7.36	U		
4103-0516A-HO	4/23/2009	Thorium-232	2.10	3.50	0.67	0.19			
4103-0516A-HO	4/23/2009	Uranium-238	2.20	4.20	0.53	0.47			
4103-0517A-HO	4/23/2009	Actinium-227	4.60	13.61	0.10	0.38	U		
4103-0517A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0517A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0517A-HO	4/23/2009	Cesium-137	3.80	10.62	0.04	0.05	U		
4103-0517A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.11	U		
4103-0517A-HO	4/23/2009	Lead-210	7.40	19.80	0.51	0.89	U		
4103-0517A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.96	8.66	U		
4103-0517A-HO	4/23/2009	Protactinium-231	4.00	11.81	1.93	2.00	U		
4103-0517A-HO	4/23/2009	Radium-226	2.90	4.70	0.73	0.16			
4103-0517A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	8.83	U		
4103-0517A-HO	4/23/2009	Thorium-232	2.10	3.50	0.70	0.26			
4103-0517A-HO	4/23/2009	Uranium-238	2.20	4.20	0.47	0.58	U		
4103-0518A-HO	4/23/2009	Actinium-227	4.60	13.61	0.16	0.33	U		
4103-0518A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0518A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0518A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0518A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0518A-HO	4/23/2009	Lead-210	7.40	19.80	0.64	0.75	U		
4103-0518A-HO	4/23/2009	Plutonium-238	55.00	165.13	1.14	7.52	U		
4103-0518A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.11	1.76	U		
4103-0518A-HO	4/23/2009	Radium-226	2.90	4.70	0.63	0.14			
4103-0518A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	7.41	U		
4103-0518A-HO	4/23/2009	Thorium-232	2.10	3.50	0.68	0.23			
4103-0518A-HO	4/23/2009	Uranium-238	2.20	4.20	0.96	0.47			
4103-0519A-HO	4/23/2009	Actinium-227	4.60	13.61	0.24	0.29	U		
4103-0519A-HO	4/23/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4103-0519A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0519A-HO	4/23/2009	Cesium-137	3.80	10.62	0.05	0.04			
4103-0519A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4103-0519A-HO	4/23/2009	Lead-210	7.40	19.80	1.02	0.64			
4103-0519A-HO	4/23/2009	Plutonium-238	55.00	165.13	1.52	6.79	U		
4103-0519A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.00	1.72	U		
4103-0519A-HO	4/23/2009	Radium-226	2.90	4.70	0.61	0.12			
4103-0519A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	7.07	U		
4103-0519A-HO	4/23/2009	Thorium-232	2.10	3.50	0.32	0.24			
4103-0519A-HO	4/23/2009	Uranium-238	2.20	4.20	0.46	0.45			
4103-0520A-HO	4/16/2009	Actinium-227	4.60	13.61	0.05	0.31	U		
4103-0520A-HO	4/16/2009	Americium-241	63.00	189.00	0.03	0.07	U		
4103-0520A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0520A-HO	4/16/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4103-0520A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4103-0520A-HO	4/16/2009	Lead-210	7.40	19.80	0.01	0.70	U		
4103-0520A-HO	4/16/2009	Plutonium-238	55.00	165.13	1.62	5.82	U		
4103-0520A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.62	1.57	U		
4103-0520A-HO	4/16/2009	Radium-226	2.90	4.70	0.61	0.11			
4103-0520A-HO	4/16/2009	Thorium-230	2.80	4.60	2.73	6.51	U		
4103-0520A-HO	4/16/2009	Thorium-232	2.10	3.50	0.46	0.22			
4103-0520A-HO	4/16/2009	Uranium-238	2.20	4.20	0.84	0.41			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0521A-HO	4/16/2009	Actinium-227	4.60	13.61	0.00	0.27	U		
4103-0521A-HO	4/16/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0521A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0521A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4103-0521A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.02	0.04	U		
4103-0521A-HO	4/16/2009	Lead-210	7.40	19.80	0.61	0.56			
4103-0521A-HO	4/16/2009	Plutonium-238	55.00	165.13	1.82	6.40	U		
4103-0521A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.10	1.53	U		
4103-0521A-HO	4/16/2009	Radium-226	2.90	4.70	0.40	0.13			
4103-0521A-HO	4/16/2009	Thorium-230	2.80	4.60	0.24	6.03	U		
4103-0521A-HO	4/16/2009	Thorium-232	2.10	3.50	0.29	0.21			
4103-0521A-HO	4/16/2009	Uranium-238	2.20	4.20	0.41	0.38			
4103-0522A-HO	4/16/2009	Actinium-227	4.60	13.61	0.17	0.30	U		
4103-0522A-HO	4/16/2009	Americium-241	63.00	189.00	0.01	0.08	U		
4103-0522A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4103-0522A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0522A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0522A-HO	4/16/2009	Lead-210	7.40	19.80	0.37	0.70	U		
4103-0522A-HO	4/16/2009	Plutonium-238	55.00	165.13	0.00	6.65	U		
4103-0522A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.20	1.71	U		
4103-0522A-HO	4/16/2009	Radium-226	2.90	4.70	0.39	0.14			
4103-0522A-HO	4/16/2009	Thorium-230	2.80	4.60	3.06	6.61	U		
4103-0522A-HO	4/16/2009	Thorium-232	2.10	3.50	0.57	0.23			
4103-0522A-HO	4/16/2009	Uranium-238	2.20	4.20	0.85	0.38			
4103-0523A-HO	4/16/2009	Actinium-227	4.60	13.61	0.00	0.34	U		
4103-0523A-HO	4/16/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4103-0523A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0523A-HO	4/16/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4103-0523A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0523A-HO	4/16/2009	Lead-210	7.40	19.80	0.48	0.74	U		
4103-0523A-HO	4/16/2009	Plutonium-238	55.00	165.13	0.00	7.55	U		
4103-0523A-HO	4/16/2009	Protactinium-231	4.00	11.81	1.20	1.66	U		
4103-0523A-HO	4/16/2009	Radium-226	2.90	4.70	0.51	0.15			
4103-0523A-HO	4/16/2009	Thorium-230	2.80	4.60	0.00	7.75	U		
4103-0523A-HO	4/16/2009	Thorium-232	2.10	3.50	0.93	0.20			
4103-0523A-HO	4/16/2009	Uranium-238	2.20	4.20	0.67	0.45			
4103-0524A-HO	4/16/2009	Actinium-227	4.60	13.61	0.15	0.29	U		
4103-0524A-HO	4/16/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4103-0524A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0524A-HO	4/16/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4103-0524A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.03	0.06	U		
4103-0524A-HO	4/16/2009	Lead-210	7.40	19.80	0.31	0.66	U		
4103-0524A-HO	4/16/2009	Plutonium-238	55.00	165.13	0.00	7.00	U		
4103-0524A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.00	1.69	U		
4103-0524A-HO	4/16/2009	Radium-226	2.90	4.70	0.56	0.11			
4103-0524A-HO	4/16/2009	Thorium-230	2.80	4.60	0.00	7.25	U		
4103-0524A-HO	4/16/2009	Thorium-232	2.10	3.50	0.63	0.21			
4103-0524A-HO	4/16/2009	Uranium-238	2.20	4.20	0.44	0.46	U		
4103-0525A-HO	4/16/2009	Actinium-227	4.60	13.61	0.03	0.30	U		
4103-0525A-HO	4/16/2009	Americium-241	63.00	189.00	0.07	0.07			
4103-0525A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0525A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0525A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0525A-HO	4/16/2009	Lead-210	7.40	19.80	0.53	0.67	U		
4103-0525A-HO	4/16/2009	Plutonium-238	55.00	165.13	1.83	6.47	U		
4103-0525A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.09	1.56	U		
4103-0525A-HO	4/16/2009	Radium-226	2.90	4.70	0.48	0.11			
4103-0525A-HO	4/16/2009	Thorium-230	2.80	4.60	1.44	6.62	U		
4103-0525A-HO	4/16/2009	Thorium-232	2.10	3.50	0.52	0.20			
4103-0525A-HO	4/16/2009	Uranium-238	2.20	4.20	0.40	0.45	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0526A-HO	4/16/2009	Actinium-227	4.60	13.61	0.21	0.33	U		
4103-0526A-HO	4/16/2009	Americium-241	63.00	189.00	0.09	0.08			
4103-0526A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0526A-HO	4/16/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4103-0526A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.03	0.05	U		
4103-0526A-HO	4/16/2009	Lead-210	7.40	19.80	0.19	0.75	U		
4103-0526A-HO	4/16/2009	Plutonium-238	55.00	165.13	28.82	7.30			
4103-0526A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.00	1.97	U		
4103-0526A-HO	4/16/2009	Radium-226	2.90	4.70	0.68	0.11			
4103-0526A-HO	4/16/2009	Thorium-230	2.80	4.60	5.55	7.07	U		
4103-0526A-HO	4/16/2009	Thorium-232	2.10	3.50	0.89	0.19			
4103-0526A-HO	4/16/2009	Uranium-238	2.20	4.20	0.82	0.47			
4103-0527A-HO	4/16/2009	Actinium-227	4.60	13.61	0.00	0.36	U		
4103-0527A-HO	4/16/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0527A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0527A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0527A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0527A-HO	4/16/2009	Lead-210	7.40	19.80	0.34	0.74	U		
4103-0527A-HO	4/16/2009	Plutonium-238	55.00	165.13	1.93	6.94	U		
4103-0527A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.00	1.88	U		
4103-0527A-HO	4/16/2009	Radium-226	2.90	4.70	0.64	0.11			
4103-0527A-HO	4/16/2009	Thorium-230	2.80	4.60	0.99	7.61	U		
4103-0527A-HO	4/16/2009	Thorium-232	2.10	3.50	0.71	0.25			
4103-0527A-HO	4/16/2009	Uranium-238	2.20	4.20	0.98	0.46			
4103-0528A-HO	4/16/2009	Actinium-227	4.60	13.61	0.02	0.30	U		
4103-0528A-HO	4/16/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0528A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4103-0528A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4103-0528A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.03	0.05	U		
4103-0528A-HO	4/16/2009	Lead-210	7.40	19.80	0.11	0.68	U		
4103-0528A-HO	4/16/2009	Plutonium-238	55.00	165.13	0.00	6.40	U		
4103-0528A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.00	1.61	U		
4103-0528A-HO	4/16/2009	Radium-226	2.90	4.70	0.51	0.13			
4103-0528A-HO	4/16/2009	Thorium-230	2.80	4.60	0.00	6.73	U		
4103-0528A-HO	4/16/2009	Thorium-232	2.10	3.50	0.50	0.22			
4103-0528A-HO	4/16/2009	Uranium-238	2.20	4.20	0.65	0.41			
4103-0529A-HO	4/16/2009	Actinium-227	4.60	13.61	0.04	0.31	U		
4103-0529A-HO	4/16/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0529A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0529A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0529A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.02	0.05	U		
4103-0529A-HO	4/16/2009	Lead-210	7.40	19.80	0.24	0.69	U		
4103-0529A-HO	4/16/2009	Plutonium-238	55.00	165.13	0.19	7.05	U		
4103-0529A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.08	1.54	U		
4103-0529A-HO	4/16/2009	Radium-226	2.90	4.70	0.52	0.12			
4103-0529A-HO	4/16/2009	Thorium-230	2.80	4.60	0.70	6.46	U		
4103-0529A-HO	4/16/2009	Thorium-232	2.10	3.50	0.37	0.26			
4103-0529A-HO	4/16/2009	Uranium-238	2.20	4.20	0.65	0.43			
4103-0530A-HO	4/16/2009	Actinium-227	4.60	13.61	0.02	0.35	U		
4103-0530A-HO	4/16/2009	Americium-241	63.00	189.00	0.04	0.08	U		
4103-0530A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0530A-HO	4/16/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4103-0530A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0530A-HO	4/16/2009	Lead-210	7.40	19.80	0.23	0.79	U		
4103-0530A-HO	4/16/2009	Plutonium-238	55.00	165.13	0.00	7.70	U		
4103-0530A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.00	1.85	U		
4103-0530A-HO	4/16/2009	Radium-226	2.90	4.70	0.53	0.14			
4103-0530A-HO	4/16/2009	Thorium-230	2.80	4.60	0.00	7.72	U		
4103-0530A-HO	4/16/2009	Thorium-232	2.10	3.50	0.77	0.23			
4103-0530A-HO	4/16/2009	Uranium-238	2.20	4.20	1.17	0.47			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0531A-HO	4/16/2009	Actinium-227	4.60	13.61	0.00	0.35	U		
4103-0531A-HO	4/16/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0531A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4103-0531A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0531A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.02	0.06	U		
4103-0531A-HO	4/16/2009	Lead-210	7.40	19.80	0.52	0.72	U		
4103-0531A-HO	4/16/2009	Plutonium-238	55.00	165.13	1.41	6.58	U		
4103-0531A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.39	1.63	U		
4103-0531A-HO	4/16/2009	Radium-226	2.90	4.70	0.49	0.13			
4103-0531A-HO	4/16/2009	Thorium-230	2.80	4.60	5.07	7.10	U		
4103-0531A-HO	4/16/2009	Thorium-232	2.10	3.50	0.53	0.24			
4103-0531A-HO	4/16/2009	Uranium-238	2.20	4.20	0.69	0.47			
4103-0532A-HO	4/15/2009	Actinium-227	4.60	13.61	0.01	0.24	U		
4103-0532A-HO	4/15/2009	Americium-241	63.00	189.00	0.01	0.06	U		
4103-0532A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0532A-HO	4/15/2009	Cesium-137	3.80	10.62	0.03	0.03	U		
4103-0532A-HO	4/15/2009	Cobalt-60	0.70	2.10	0.03	0.03	U		
4103-0532A-HO	4/15/2009	Lead-210	7.40	19.80	0.00	0.57	U		
4103-0532A-HO	4/15/2009	Plutonium-238	55.00	165.13	2.03	5.52	U		
4103-0532A-HO	4/15/2009	Protactinium-231	4.00	11.81	0.00	1.34	U		
4103-0532A-HO	4/15/2009	Radium-226	2.90	4.70	0.53	0.09			
4103-0532A-HO	4/15/2009	Thorium-230	2.80	4.60	1.79	5.18	U		
4103-0532A-HO	4/15/2009	Thorium-232	2.10	3.50	0.42	0.14			
4103-0532A-HO	4/15/2009	Uranium-238	2.20	4.20	0.48	0.34			
4103-0533A-HO	4/15/2009	Actinium-227	4.60	13.61	0.10	0.27	U		
4103-0533A-HO	4/15/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4103-0533A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4103-0533A-HO	4/15/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4103-0533A-HO	4/15/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4103-0533A-HO	4/15/2009	Lead-210	7.40	19.80	0.60	0.58			
4103-0533A-HO	4/15/2009	Plutonium-238	55.00	165.13	0.66	5.86	U		
4103-0533A-HO	4/15/2009	Protactinium-231	4.00	11.81	0.28	1.38	U		
4103-0533A-HO	4/15/2009	Radium-226	2.90	4.70	0.44	0.12			
4103-0533A-HO	4/15/2009	Thorium-230	2.80	4.60	0.90	6.21	U		
4103-0533A-HO	4/15/2009	Thorium-232	2.10	3.50	0.65	0.19			
4103-0533A-HO	4/15/2009	Uranium-238	2.20	4.20	0.73	0.38			
4103-0534A-HO	4/15/2009	Actinium-227	4.60	13.61	0.00	0.25	U		
4103-0534A-HO	4/15/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4103-0534A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.03	0.04	U		
4103-0534A-HO	4/15/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4103-0534A-HO	4/15/2009	Cobalt-60	0.70	2.10	0.04	0.04	U		
4103-0534A-HO	4/15/2009	Lead-210	7.40	19.80	0.43	0.57	U		
4103-0534A-HO	4/15/2009	Plutonium-238	55.00	165.13	0.00	5.59	U		
4103-0534A-HO	4/15/2009	Protactinium-231	4.00	11.81	0.00	1.41	U		
4103-0534A-HO	4/15/2009	Radium-226	2.90	4.70	0.40	0.11			
4103-0534A-HO	4/15/2009	Thorium-230	2.80	4.60	2.50	5.53	U		
4103-0534A-HO	4/15/2009	Thorium-232	2.10	3.50	0.47	0.17			
4103-0534A-HO	4/15/2009	Uranium-238	2.20	4.20	0.52	0.36			
4103-0535A-HO	4/15/2009	Actinium-227	4.60	13.61	0.00	0.32	U		
4103-0535A-HO	4/15/2009	Americium-241	63.00	189.00	0.01	0.08	U		
4103-0535A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0535A-HO	4/15/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0535A-HO	4/15/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0535A-HO	4/15/2009	Lead-210	7.40	19.80	0.21	0.70	U		
4103-0535A-HO	4/15/2009	Plutonium-238	55.00	165.13	1.61	6.95	U		
4103-0535A-HO	4/15/2009	Protactinium-231	4.00	11.81	0.37	1.63	U		
4103-0535A-HO	4/15/2009	Radium-226	2.90	4.70	0.57	0.12			
4103-0535A-HO	4/15/2009	Thorium-230	2.80	4.60	0.00	7.40	U		
4103-0535A-HO	4/15/2009	Thorium-232	2.10	3.50	0.55	0.23			
4103-0535A-HO	4/15/2009	Uranium-238	2.20	4.20	0.59	0.47			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0536A-HO	4/16/2009	Actinium-227	4.60	13.61	0.05	0.31	U		
4103-0536A-HO	4/16/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0536A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4103-0536A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0536A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0536A-HO	4/16/2009	Lead-210	7.40	19.80	0.48	0.67	U		
4103-0536A-HO	4/16/2009	Plutonium-238	55.00	165.13	1.09	6.59	U		
4103-0536A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.00	1.69	U		
4103-0536A-HO	4/16/2009	Radium-226	2.90	4.70	0.63	0.11			
4103-0536A-HO	4/16/2009	Thorium-230	2.80	4.60	1.09	6.96	U		
4103-0536A-HO	4/16/2009	Thorium-232	2.10	3.50	0.77	0.18			
4103-0536A-HO	4/16/2009	Uranium-238	2.20	4.20	0.75	0.44			
4103-0537A-HO	4/15/2009	Actinium-227	4.60	13.61	0.04	0.29	U		
4103-0537A-HO	4/15/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0537A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4103-0537A-HO	4/15/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0537A-HO	4/15/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4103-0537A-HO	4/15/2009	Lead-210	7.40	19.80	0.62	0.64	U		
4103-0537A-HO	4/15/2009	Plutonium-238	55.00	165.13	1.84	6.34	U		
4103-0537A-HO	4/15/2009	Protactinium-231	4.00	11.81	0.00	1.64	U		
4103-0537A-HO	4/15/2009	Radium-226	2.90	4.70	0.50	0.13			
4103-0537A-HO	4/15/2009	Thorium-230	2.80	4.60	0.16	6.69	U		
4103-0537A-HO	4/15/2009	Thorium-232	2.10	3.50	0.59	0.23			
4103-0537A-HO	4/15/2009	Uranium-238	2.20	4.20	0.40	0.45	U		
4103-0538A-HO	4/16/2009	Actinium-227	4.60	13.61	0.10	0.27	U		
4103-0538A-HO	4/16/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0538A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0538A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0538A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4103-0538A-HO	4/16/2009	Lead-210	7.40	19.80	0.30	0.61	U		
4103-0538A-HO	4/16/2009	Plutonium-238	55.00	165.13	0.00	6.41	U		
4103-0538A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.00	1.62	U		
4103-0538A-HO	4/16/2009	Radium-226	2.90	4.70	0.60	0.12			
4103-0538A-HO	4/16/2009	Thorium-230	2.80	4.60	0.00	6.46	U		
4103-0538A-HO	4/16/2009	Thorium-232	2.10	3.50	0.47	0.21			
4103-0538A-HO	4/16/2009	Uranium-238	2.20	4.20	0.92	0.39			
4103-0539A-HO	4/16/2009	Actinium-227	4.60	13.61	0.00	0.32	U		
4103-0539A-HO	4/16/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0539A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0539A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0539A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.03	0.06	U		
4103-0539A-HO	4/16/2009	Lead-210	7.40	19.80	0.57	0.67	U		
4103-0539A-HO	4/16/2009	Plutonium-238	55.00	165.13	0.53	6.80	U		
4103-0539A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.28	1.64	U		
4103-0539A-HO	4/16/2009	Radium-226	2.90	4.70	0.58	0.11			
4103-0539A-HO	4/16/2009	Thorium-230	2.80	4.60	0.00	6.99	U		
4103-0539A-HO	4/16/2009	Thorium-232	2.10	3.50	0.84	0.15			
4103-0539A-HO	4/16/2009	Uranium-238	2.20	4.20	1.00	0.42			
4103-0540A-HO	4/16/2009	Actinium-227	4.60	13.61	0.00	0.32	U		
4103-0540A-HO	4/16/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4103-0540A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0540A-HO	4/16/2009	Cesium-137	3.80	10.62	0.19	0.04			
4103-0540A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0540A-HO	4/16/2009	Lead-210	7.40	19.80	0.67	0.67	U		
4103-0540A-HO	4/16/2009	Plutonium-238	55.00	165.13	6.43	6.23			
4103-0540A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.41	1.67	U		
4103-0540A-HO	4/16/2009	Radium-226	2.90	4.70	0.54	0.12			
4103-0540A-HO	4/16/2009	Thorium-230	2.80	4.60	0.00	7.02	U		
4103-0540A-HO	4/16/2009	Thorium-232	2.10	3.50	0.75	0.18			
4103-0540A-HO	4/16/2009	Uranium-238	2.20	4.20	0.86	0.43			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0541A-HO	4/16/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4103-0541A-HO	4/16/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0541A-HO	4/16/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4103-0541A-HO	4/16/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0541A-HO	4/16/2009	Cobalt-60	0.70	2.10	0.03	0.06	U		
4103-0541A-HO	4/16/2009	Lead-210	7.40	19.80	0.02	0.68	U		
4103-0541A-HO	4/16/2009	Plutonium-238	55.00	165.13	6.28	6.26			
4103-0541A-HO	4/16/2009	Protactinium-231	4.00	11.81	0.00	1.70	U		
4103-0541A-HO	4/16/2009	Radium-226	2.90	4.70	0.62	0.11			
4103-0541A-HO	4/16/2009	Thorium-230	2.80	4.60	0.97	6.47	U		
4103-0541A-HO	4/16/2009	Thorium-232	2.10	3.50	0.65	0.19			
4103-0541A-HO	4/16/2009	Uranium-238	2.20	4.20	0.91	0.38			
4103-0542A-HO	4/21/2009	Actinium-227	4.60	13.61	0.14	0.31	U		
4103-0542A-HO	4/21/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0542A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4103-0542A-HO	4/21/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0542A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0542A-HO	4/21/2009	Lead-210	7.40	19.80	0.78	0.69			
4103-0542A-HO	4/21/2009	Plutonium-238	55.00	165.13	0.00	6.61	U		
4103-0542A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.89	1.58	U		
4103-0542A-HO	4/21/2009	Radium-226	2.90	4.70	0.61	0.09			
4103-0542A-HO	4/21/2009	Thorium-230	2.80	4.60	0.00	7.38	U		
4103-0542A-HO	4/21/2009	Thorium-232	2.10	3.50	0.61	0.24			
4103-0542A-HO	4/21/2009	Uranium-238	2.20	4.20	0.66	0.45			
4103-0543A-HO	4/21/2009	Actinium-227	4.60	13.61	0.01	0.28	U		
4103-0543A-HO	4/21/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0543A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0543A-HO	4/21/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4103-0543A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0543A-HO	4/21/2009	Lead-210	7.40	19.80	0.84	0.58			
4103-0543A-HO	4/21/2009	Plutonium-238	55.00	165.13	2.47	6.09	U		
4103-0543A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.00	1.65	U		
4103-0543A-HO	4/21/2009	Radium-226	2.90	4.70	0.57	0.11			
4103-0543A-HO	4/21/2009	Thorium-230	2.80	4.60	3.10	6.04	U		
4103-0543A-HO	4/21/2009	Thorium-232	2.10	3.50	0.50	0.20			
4103-0543A-HO	4/21/2009	Uranium-238	2.20	4.20	0.85	0.40			
4103-0544A-HO	4/15/2009	Actinium-227	4.60	13.61	0.05	0.23	U		
4103-0544A-HO	4/15/2009	Americium-241	63.00	189.00	0.02	0.06	U		
4103-0544A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0544A-HO	4/15/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4103-0544A-HO	4/15/2009	Cobalt-60	0.70	2.10	0.00	0.04	U		
4103-0544A-HO	4/15/2009	Lead-210	7.40	19.80	0.28	0.55	U		
4103-0544A-HO	4/15/2009	Plutonium-238	55.00	165.13	0.00	5.59	U		
4103-0544A-HO	4/15/2009	Protactinium-231	4.00	11.81	0.00	1.37	U		
4103-0544A-HO	4/15/2009	Radium-226	2.90	4.70	0.50	0.09			
4103-0544A-HO	4/15/2009	Thorium-230	2.80	4.60	0.00	5.63	U		
4103-0544A-HO	4/15/2009	Thorium-232	2.10	3.50	0.30	0.21			
4103-0544A-HO	4/15/2009	Uranium-238	2.20	4.20	0.41	0.36			
4103-0545A-HO	4/15/2009	Actinium-227	4.60	13.61	0.00	0.25	U		
4103-0545A-HO	4/15/2009	Americium-241	63.00	189.00	0.03	0.05	U		
4103-0545A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.02	0.03	U		
4103-0545A-HO	4/15/2009	Cesium-137	3.80	10.62	0.01	0.03	U		
4103-0545A-HO	4/15/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0545A-HO	4/15/2009	Lead-210	7.40	19.80	0.36	0.53	U		
4103-0545A-HO	4/15/2009	Plutonium-238	55.00	165.13	1.62	5.20	U		
4103-0545A-HO	4/15/2009	Protactinium-231	4.00	11.81	0.00	1.39	U		
4103-0545A-HO	4/15/2009	Radium-226	2.90	4.70	0.46	0.09			
4103-0545A-HO	4/15/2009	Thorium-230	2.80	4.60	0.56	4.92	U		
4103-0545A-HO	4/15/2009	Thorium-232	2.10	3.50	0.27	0.15			
4103-0545A-HO	4/15/2009	Uranium-238	2.20	4.20	0.33	0.33			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0546A-HO	4/15/2009	Actinium-227	4.60	13.61	0.22	0.33	U		
4103-0546A-HO	4/15/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0546A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4103-0546A-HO	4/15/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0546A-HO	4/15/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4103-0546A-HO	4/15/2009	Lead-210	7.40	19.80	0.69	0.76	U		
4103-0546A-HO	4/15/2009	Plutonium-238	55.00	165.13	3.68	7.27	U		
4103-0546A-HO	4/15/2009	Protactinium-231	4.00	11.81	0.07	1.80	U		
4103-0546A-HO	4/15/2009	Radium-226	2.90	4.70	0.72	0.10			
4103-0546A-HO	4/15/2009	Thorium-230	2.80	4.60	0.00	7.66	U		
4103-0546A-HO	4/15/2009	Thorium-232	2.10	3.50	0.68	0.22			
4103-0546A-HO	4/15/2009	Uranium-238	2.20	4.20	0.51	0.50			
4103-0547A-HO	4/21/2009	Actinium-227	4.60	13.61	0.23	0.29	U		
4103-0547A-HO	4/21/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0547A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.03	0.05	U		
4103-0547A-HO	4/21/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4103-0547A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.03	0.06	U		
4103-0547A-HO	4/21/2009	Lead-210	7.40	19.80	0.52	0.66	U		
4103-0547A-HO	4/21/2009	Plutonium-238	55.00	165.13	0.00	6.77	U		
4103-0547A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.55	1.65	U		
4103-0547A-HO	4/21/2009	Radium-226	2.90	4.70	0.57	0.11			
4103-0547A-HO	4/21/2009	Thorium-230	2.80	4.60	1.64	6.79	U		
4103-0547A-HO	4/21/2009	Thorium-232	2.10	3.50	0.48	0.23			
4103-0547A-HO	4/21/2009	Uranium-238	2.20	4.20	0.76	0.43			
4103-0548A-HO	4/14/2009	Actinium-227	4.60	13.61	0.02	0.32	U		
4103-0548A-HO	4/14/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4103-0548A-HO	4/14/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0548A-HO	4/14/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0548A-HO	4/14/2009	Cobalt-60	0.70	2.10	0.02	0.07	U		
4103-0548A-HO	4/14/2009	Lead-210	7.40	19.80	0.68	0.68			
4103-0548A-HO	4/14/2009	Plutonium-238	55.00	165.13	1.20	6.43	U		
4103-0548A-HO	4/14/2009	Protactinium-231	4.00	11.81	0.79	1.57	U		
4103-0548A-HO	4/14/2009	Radium-226	2.90	4.70	0.58	0.12			
4103-0548A-HO	4/14/2009	Thorium-230	2.80	4.60	1.78	6.94	U		
4103-0548A-HO	4/14/2009	Thorium-232	2.10	3.50	0.62	0.21			
4103-0548A-HO	4/14/2009	Uranium-238	2.20	4.20	0.49	0.45			
4103-0549A-HO	4/15/2009	Actinium-227	4.60	13.61	0.00	0.29	U		
4103-0549A-HO	4/15/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4103-0549A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4103-0549A-HO	4/15/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0549A-HO	4/15/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4103-0549A-HO	4/15/2009	Lead-210	7.40	19.80	0.38	0.69	U		
4103-0549A-HO	4/15/2009	Plutonium-238	55.00	165.13	2.33	6.21	U		
4103-0549A-HO	4/15/2009	Protactinium-231	4.00	11.81	0.00	1.88	U		
4103-0549A-HO	4/15/2009	Radium-226	2.90	4.70	0.42	0.12			
4103-0549A-HO	4/15/2009	Thorium-230	2.80	4.60	0.30	6.70	U		
4103-0549A-HO	4/15/2009	Thorium-232	2.10	3.50	0.65	0.18			
4103-0549A-HO	4/15/2009	Uranium-238	2.20	4.20	0.63	0.44			
4103-0550A-HO	4/15/2009	Actinium-227	4.60	13.61	0.00	0.28	U		
4103-0550A-HO	4/15/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0550A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.03	0.05	U		
4103-0550A-HO	4/15/2009	Cesium-137	3.80	10.62	0.04	0.04	U		
4103-0550A-HO	4/15/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0550A-HO	4/15/2009	Lead-210	7.40	19.80	0.74	0.59			
4103-0550A-HO	4/15/2009	Plutonium-238	55.00	165.13	23.03	6.16			
4103-0550A-HO	4/15/2009	Protactinium-231	4.00	11.81	0.42	1.51	U		
4103-0550A-HO	4/15/2009	Radium-226	2.90	4.70	0.69	0.08			
4103-0550A-HO	4/15/2009	Thorium-230	2.80	4.60	0.00	6.09	U		
4103-0550A-HO	4/15/2009	Thorium-232	2.10	3.50	0.28	0.22			
4103-0550A-HO	4/15/2009	Uranium-238	2.20	4.20	0.55	0.40			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0551A-HO	4/21/2009	Actinium-227	4.60	13.61	0.22	0.33	U		
4103-0551A-HO	4/21/2009	Americium-241	63.00	189.00	0.04	0.08	U		
4103-0551A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0551A-HO	4/21/2009	Cesium-137	3.80	10.62	0.05	0.05	U		
4103-0551A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.03	0.06	U		
4103-0551A-HO	4/21/2009	Lead-210	7.40	19.80	0.22	0.79	U		
4103-0551A-HO	4/21/2009	Plutonium-238	55.00	165.13	10.20	7.72			
4103-0551A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.00	2.05	U		
4103-0551A-HO	4/21/2009	Radium-226	2.90	4.70	0.66	0.15			
4103-0551A-HO	4/21/2009	Thorium-230	2.80	4.60	0.00	8.26	U		
4103-0551A-HO	4/21/2009	Thorium-232	2.10	3.50	0.74	0.23			
4103-0551A-HO	4/21/2009	Uranium-238	2.20	4.20	0.59	0.50			
4103-0552B-HO	5/5/2009	Actinium-227	4.60	13.61	0.14	0.32	U		
4103-0552B-HO	5/5/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0552B-HO	5/5/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0552B-HO	5/5/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4103-0552B-HO	5/5/2009	Cobalt-60	0.70	2.10	0.04	0.06	U		
4103-0552B-HO	5/5/2009	Lead-210	7.40	19.80	0.86	0.68	U		
4103-0552B-HO	5/5/2009	Plutonium-238	55.00	165.13	0.00	6.10	U		
4103-0552B-HO	5/5/2009	Protactinium-231	4.00	11.81	0.00	1.76	U		
4103-0552B-HO	5/5/2009	Radium-226	2.90	4.70	0.67	0.13			
4103-0552B-HO	5/5/2009	Thorium-230	2.80	4.60	0.77	6.93	U		
4103-0552B-HO	5/5/2009	Thorium-232	2.10	3.50	1.01	0.21			
4103-0552B-HO	5/5/2009	Uranium-238	2.20	4.20	1.16	0.45			
4103-0553A-HO	4/21/2009	Actinium-227	4.60	13.61	0.14	0.33	U		
4103-0553A-HO	4/21/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0553A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0553A-HO	4/21/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0553A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.04	0.05	U		
4103-0553A-HO	4/21/2009	Lead-210	7.40	19.80	0.86	0.78			
4103-0553A-HO	4/21/2009	Plutonium-238	55.00	165.13	0.00	7.98	U		
4103-0553A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.00	1.95	U		
4103-0553A-HO	4/21/2009	Radium-226	2.90	4.70	0.67	0.13			
4103-0553A-HO	4/21/2009	Thorium-230	2.80	4.60	0.77	7.74	U		
4103-0553A-HO	4/21/2009	Thorium-232	2.10	3.50	1.01	0.22			
4103-0553A-HO	4/21/2009	Uranium-238	2.20	4.20	1.16	0.48			
4103-0554A-HO	4/21/2009	Actinium-227	4.60	13.61	0.11	0.35	U		
4103-0554A-HO	4/21/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0554A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4103-0554A-HO	4/21/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0554A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0554A-HO	4/21/2009	Lead-210	7.40	19.80	1.03	0.71			
4103-0554A-HO	4/21/2009	Plutonium-238	55.00	165.13	0.77	7.34	U		
4103-0554A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.54	1.90	U		
4103-0554A-HO	4/21/2009	Radium-226	2.90	4.70	0.56	0.15			
4103-0554A-HO	4/21/2009	Thorium-230	2.80	4.60	0.00	7.95	U		
4103-0554A-HO	4/21/2009	Thorium-232	2.10	3.50	0.77	0.24			
4103-0554A-HO	4/21/2009	Uranium-238	2.20	4.20	1.00	0.49			
4103-0555A-HO	4/21/2009	Actinium-227	4.60	13.61	0.00	0.35	U		
4103-0555A-HO	4/21/2009	Americium-241	63.00	189.00	0.05	0.08	U		
4103-0555A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0555A-HO	4/21/2009	Cesium-137	3.80	10.62	0.07	0.03			
4103-0555A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0555A-HO	4/21/2009	Lead-210	7.40	19.80	0.40	0.77	U		
4103-0555A-HO	4/21/2009	Plutonium-238	55.00	165.13	0.00	7.56	U		
4103-0555A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.00	1.90	U		
4103-0555A-HO	4/21/2009	Radium-226	2.90	4.70	0.68	0.12			
4103-0555A-HO	4/21/2009	Thorium-230	2.80	4.60	0.00	7.47	U		
4103-0555A-HO	4/21/2009	Thorium-232	2.10	3.50	0.61	0.23			
4103-0555A-HO	4/21/2009	Uranium-238	2.20	4.20	0.83	0.48			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0556A-HO	4/14/2009	Actinium-227	4.60	13.61	0.00	0.26	U		
4103-0556A-HO	4/14/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4103-0556A-HO	4/14/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0556A-HO	4/14/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4103-0556A-HO	4/14/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4103-0556A-HO	4/14/2009	Lead-210	7.40	19.80	0.18	0.58	U		
4103-0556A-HO	4/14/2009	Plutonium-238	55.00	165.13	2.83	5.25	U		
4103-0556A-HO	4/14/2009	Protactinium-231	4.00	11.81	0.00	1.49	U		
4103-0556A-HO	4/14/2009	Radium-226	2.90	4.70	0.47	0.11			
4103-0556A-HO	4/14/2009	Thorium-230	2.80	4.60	0.00	5.93	U		
4103-0556A-HO	4/14/2009	Thorium-232	2.10	3.50	0.59	0.15			
4103-0556A-HO	4/14/2009	Uranium-238	2.20	4.20	0.37	0.38	U		
4103-0557A-HO	4/14/2009	Actinium-227	4.60	13.61	0.00	0.26	U		
4103-0557A-HO	4/14/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0557A-HO	4/14/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4103-0557A-HO	4/14/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4103-0557A-HO	4/14/2009	Cobalt-60	0.70	2.10	0.02	0.05	U		
4103-0557A-HO	4/14/2009	Lead-210	7.40	19.80	0.60	0.56			
4103-0557A-HO	4/14/2009	Plutonium-238	55.00	165.13	0.05	5.97	U		
4103-0557A-HO	4/14/2009	Protactinium-231	4.00	11.81	1.02	1.35	U		
4103-0557A-HO	4/14/2009	Radium-226	2.90	4.70	0.51	0.11			
4103-0557A-HO	4/14/2009	Thorium-230	2.80	4.60	0.00	6.08	U		
4103-0557A-HO	4/14/2009	Thorium-232	2.10	3.50	0.54	0.20			
4103-0557A-HO	4/14/2009	Uranium-238	2.20	4.20	0.80	0.36			
4103-0558A-HO	4/14/2009	Actinium-227	4.60	13.61	0.00	0.29	U		
4103-0558A-HO	4/14/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0558A-HO	4/14/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0558A-HO	4/14/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4103-0558A-HO	4/14/2009	Cobalt-60	0.70	2.10	0.02	0.05	U		
4103-0558A-HO	4/14/2009	Lead-210	7.40	19.80	0.00	0.67	U		
4103-0558A-HO	4/14/2009	Plutonium-238	55.00	165.13	2.28	5.89	U		
4103-0558A-HO	4/14/2009	Protactinium-231	4.00	11.81	0.48	1.47	U		
4103-0558A-HO	4/14/2009	Radium-226	2.90	4.70	0.53	0.11			
4103-0558A-HO	4/14/2009	Thorium-230	2.80	4.60	2.25	6.04	U		
4103-0558A-HO	4/14/2009	Thorium-232	2.10	3.50	0.51	0.21			
4103-0558A-HO	4/14/2009	Uranium-238	2.20	4.20	0.67	0.39			
4103-0559A-HO	4/21/2009	Actinium-227	4.60	13.61	0.00	0.34	U		
4103-0559A-HO	4/21/2009	Americium-241	63.00	189.00	0.04	0.08	U		
4103-0559A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4103-0559A-HO	4/21/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4103-0559A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4103-0559A-HO	4/21/2009	Lead-210	7.40	19.80	0.41	0.71	U		
4103-0559A-HO	4/21/2009	Plutonium-238	55.00	165.13	1.58	7.06	U		
4103-0559A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.00	1.93	U		
4103-0559A-HO	4/21/2009	Radium-226	2.90	4.70	0.53	0.11			
4103-0559A-HO	4/21/2009	Thorium-230	2.80	4.60	0.00	7.47	U		
4103-0559A-HO	4/21/2009	Thorium-232	2.10	3.50	0.80	0.12			
4103-0559A-HO	4/21/2009	Uranium-238	2.20	4.20	0.82	0.44			
4103-0560A-HO	4/14/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4103-0560A-HO	4/14/2009	Americium-241	63.00	189.00	0.04	0.07	U		
4103-0560A-HO	4/14/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0560A-HO	4/14/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0560A-HO	4/14/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0560A-HO	4/14/2009	Lead-210	7.40	19.80	0.56	0.70	U		
4103-0560A-HO	4/14/2009	Plutonium-238	55.00	165.13	1.33	6.33	U		
4103-0560A-HO	4/14/2009	Protactinium-231	4.00	11.81	0.38	1.73	U		
4103-0560A-HO	4/14/2009	Radium-226	2.90	4.70	0.61	0.10			
4103-0560A-HO	4/14/2009	Thorium-230	2.80	4.60	2.66	6.59	U		
4103-0560A-HO	4/14/2009	Thorium-232	2.10	3.50	0.52	0.22			
4103-0560A-HO	4/14/2009	Uranium-238	2.20	4.20	0.99	0.42			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0561A-HO	4/14/2009	Actinium-227	4.60	13.61	0.00	0.28	U		
4103-0561A-HO	4/14/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0561A-HO	4/14/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0561A-HO	4/14/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4103-0561A-HO	4/14/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0561A-HO	4/14/2009	Lead-210	7.40	19.80	0.46	0.60	U		
4103-0561A-HO	4/14/2009	Plutonium-238	55.00	165.13	0.00	6.13	U		
4103-0561A-HO	4/14/2009	Protactinium-231	4.00	11.81	0.74	1.29	U		
4103-0561A-HO	4/14/2009	Radium-226	2.90	4.70	0.45	0.10			
4103-0561A-HO	4/14/2009	Thorium-230	2.80	4.60	0.00	6.32	U		
4103-0561A-HO	4/14/2009	Thorium-232	2.10	3.50	0.53	0.18			
4103-0561A-HO	4/14/2009	Uranium-238	2.20	4.20	0.60	0.39			
4103-0562A-HO	4/14/2009	Actinium-227	4.60	13.61	0.16	0.31	U		
4103-0562A-HO	4/14/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0562A-HO	4/14/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0562A-HO	4/14/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0562A-HO	4/14/2009	Cobalt-60	0.70	2.10	0.03	0.06	U		
4103-0562A-HO	4/14/2009	Lead-210	7.40	19.80	0.68	0.69	U		
4103-0562A-HO	4/14/2009	Plutonium-238	55.00	165.13	2.23	6.79	U		
4103-0562A-HO	4/14/2009	Protactinium-231	4.00	11.81	0.33	1.69	U		
4103-0562A-HO	4/14/2009	Radium-226	2.90	4.70	0.60	0.12			
4103-0562A-HO	4/14/2009	Thorium-230	2.80	4.60	0.16	7.16	U		
4103-0562A-HO	4/14/2009	Thorium-232	2.10	3.50	0.79	0.18			
4103-0562A-HO	4/14/2009	Uranium-238	2.20	4.20	1.09	0.44			
4103-0563A-HO	4/14/2009	Actinium-227	4.60	13.61	0.03	0.29	U		
4103-0563A-HO	4/14/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0563A-HO	4/14/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0563A-HO	4/14/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4103-0563A-HO	4/14/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0563A-HO	4/14/2009	Lead-210	7.40	19.80	0.00	0.65	U		
4103-0563A-HO	4/14/2009	Plutonium-238	55.00	165.13	2.53	5.95	U		
4103-0563A-HO	4/14/2009	Protactinium-231	4.00	11.81	1.07	1.43	U		
4103-0563A-HO	4/14/2009	Radium-226	2.90	4.70	0.48	0.13			
4103-0563A-HO	4/14/2009	Thorium-230	2.80	4.60	0.00	6.31	U		
4103-0563A-HO	4/14/2009	Thorium-232	2.10	3.50	0.56	0.19			
4103-0563A-HO	4/14/2009	Uranium-238	2.20	4.20	0.74	0.39			
4103-0564A-HO	4/21/2009	Actinium-227	4.60	13.61	0.04	0.33	U		
4103-0564A-HO	4/21/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4103-0564A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4103-0564A-HO	4/21/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0564A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4103-0564A-HO	4/21/2009	Lead-210	7.40	19.80	0.34	0.74	U		
4103-0564A-HO	4/21/2009	Plutonium-238	55.00	165.13	2.48	6.95	U		
4103-0564A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.88	1.62	U		
4103-0564A-HO	4/21/2009	Radium-226	2.90	4.70	0.75	0.09			
4103-0564A-HO	4/21/2009	Thorium-230	2.80	4.60	0.00	7.38	U		
4103-0564A-HO	4/21/2009	Thorium-232	2.10	3.50	0.66	0.20			
4103-0564A-HO	4/21/2009	Uranium-238	2.20	4.20	0.90	0.44			
4103-0565A-HO	4/21/2009	Actinium-227	4.60	13.61	0.00	0.27	U		
4103-0565A-HO	4/21/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4103-0565A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4103-0565A-HO	4/21/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4103-0565A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.02	0.05	U		
4103-0565A-HO	4/21/2009	Lead-210	7.40	19.80	0.54	0.54			
4103-0565A-HO	4/21/2009	Plutonium-238	55.00	165.13	0.00	6.19	U		
4103-0565A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.58	1.34	U		
4103-0565A-HO	4/21/2009	Radium-226	2.90	4.70	0.48	0.10			
4103-0565A-HO	4/21/2009	Thorium-230	2.80	4.60	0.45	5.60	U		
4103-0565A-HO	4/21/2009	Thorium-232	2.10	3.50	0.48	0.17			
4103-0565A-HO	4/21/2009	Uranium-238	2.20	4.20	0.59	0.35			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0566A-HO	4/21/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4103-0566A-HO	4/21/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0566A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.03	0.05	U		
4103-0566A-HO	4/21/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0566A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4103-0566A-HO	4/21/2009	Lead-210	7.40	19.80	0.23	0.66	U		
4103-0566A-HO	4/21/2009	Plutonium-238	55.00	165.13	0.00	6.26	U		
4103-0566A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.00	1.58	U		
4103-0566A-HO	4/21/2009	Radium-226	2.90	4.70	0.47	0.11			
4103-0566A-HO	4/21/2009	Thorium-230	2.80	4.60	0.24	6.45	U		
4103-0566A-HO	4/21/2009	Thorium-232	2.10	3.50	0.64	0.16			
4103-0566A-HO	4/21/2009	Uranium-238	2.20	4.20	0.65	0.41			
4103-0567A-HO	4/21/2009	Actinium-227	4.60	13.61	0.10	0.32	U		
4103-0567A-HO	4/21/2009	Americium-241	63.00	189.00	0.06	0.08	U		
4103-0567A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0567A-HO	4/21/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0567A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4103-0567A-HO	4/21/2009	Lead-210	7.40	19.80	0.61	0.69	U		
4103-0567A-HO	4/21/2009	Plutonium-238	55.00	165.13	5.52	6.61	U		
4103-0567A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.00	1.85	U		
4103-0567A-HO	4/21/2009	Radium-226	2.90	4.70	0.70	0.13			
4103-0567A-HO	4/21/2009	Thorium-230	2.80	4.60	3.63	7.06	U		
4103-0567A-HO	4/21/2009	Thorium-232	2.10	3.50	0.79	0.19			
4103-0567A-HO	4/21/2009	Uranium-238	2.20	4.20	0.86	0.41			
4103-0568A-HO	4/8/2009	Actinium-227	4.60	13.61	0.03	0.24	U		
4103-0568A-HO	4/8/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4103-0568A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4103-0568A-HO	4/8/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4103-0568A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.00	0.04	U		
4103-0568A-HO	4/8/2009	Lead-210	7.40	19.80	0.60	0.54			
4103-0568A-HO	4/8/2009	Plutonium-238	55.00	165.13	0.21	5.77	U		
4103-0568A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.11	1.36	U		
4103-0568A-HO	4/8/2009	Radium-226	2.90	4.70	0.61	0.09			
4103-0568A-HO	4/8/2009	Thorium-230	2.80	4.60	0.00	5.66	U		
4103-0568A-HO	4/8/2009	Thorium-232	2.10	3.50	0.31	0.18			
4103-0568A-HO	4/8/2009	Uranium-238	2.20	4.20	0.76	0.33			
4103-0569A-HO	4/8/2009	Actinium-227	4.60	13.61	0.05	0.24	U		
4103-0569A-HO	4/8/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4103-0569A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4103-0569A-HO	4/8/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4103-0569A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4103-0569A-HO	4/8/2009	Lead-210	7.40	19.80	0.33	0.55	U		
4103-0569A-HO	4/8/2009	Plutonium-238	55.00	165.13	0.02	5.12	U		
4103-0569A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.00	1.36	U		
4103-0569A-HO	4/8/2009	Radium-226	2.90	4.70	0.50	0.09			
4103-0569A-HO	4/8/2009	Thorium-230	2.80	4.60	2.96	5.08	U		
4103-0569A-HO	4/8/2009	Thorium-232	2.10	3.50	0.29	0.15			
4103-0569A-HO	4/8/2009	Uranium-238	2.20	4.20	0.37	0.33			
4103-0570A-HO	4/8/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4103-0570A-HO	4/8/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0570A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4103-0570A-HO	4/8/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4103-0570A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.02	0.05	U		
4103-0570A-HO	4/8/2009	Lead-210	7.40	19.80	0.44	0.64	U		
4103-0570A-HO	4/8/2009	Plutonium-238	55.00	165.13	1.58	6.57	U		
4103-0570A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.52	1.52	U		
4103-0570A-HO	4/8/2009	Radium-226	2.90	4.70	0.53	0.12			
4103-0570A-HO	4/8/2009	Thorium-230	2.80	4.60	0.00	6.61	U		
4103-0570A-HO	4/8/2009	Thorium-232	2.10	3.50	0.68	0.17			
4103-0570A-HO	4/8/2009	Uranium-238	2.20	4.20	0.69	0.41			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0571A-HO	4/8/2009	Actinium-227	4.60	13.61	0.00	0.37	U		
4103-0571A-HO	4/8/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4103-0571A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0571A-HO	4/8/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0571A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4103-0571A-HO	4/8/2009	Lead-210	7.40	19.80	0.29	0.87	U		
4103-0571A-HO	4/8/2009	Plutonium-238	55.00	165.13	1.69	7.44	U		
4103-0571A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.49	1.92	U		
4103-0571A-HO	4/8/2009	Radium-226	2.90	4.70	0.88	0.11			
4103-0571A-HO	4/8/2009	Thorium-230	2.80	4.60	1.12	8.30	U		
4103-0571A-HO	4/8/2009	Thorium-232	2.10	3.50	0.61	0.29			
4103-0571A-HO	4/8/2009	Uranium-238	2.20	4.20	0.68	0.54			
4103-0572A-HO	4/8/2009	Actinium-227	4.60	13.61	0.00	0.31	U		
4103-0572A-HO	4/8/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0572A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4103-0572A-HO	4/8/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4103-0572A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4103-0572A-HO	4/8/2009	Lead-210	7.40	19.80	0.83	0.66			
4103-0572A-HO	4/8/2009	Plutonium-238	55.00	165.13	0.00	6.79	U		
4103-0572A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.00	1.77	U		
4103-0572A-HO	4/8/2009	Radium-226	2.90	4.70	0.61	0.12			
4103-0572A-HO	4/8/2009	Thorium-230	2.80	4.60	2.11	6.47	U		
4103-0572A-HO	4/8/2009	Thorium-232	2.10	3.50	0.47	0.23			
4103-0572A-HO	4/8/2009	Uranium-238	2.20	4.20	0.77	0.42			
4103-0573A-HO	4/8/2009	Actinium-227	4.60	13.61	0.19	0.35	U		
4103-0573A-HO	4/8/2009	Americium-241	63.00	189.00	0.03	0.08	U		
4103-0573A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4103-0573A-HO	4/8/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4103-0573A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0573A-HO	4/8/2009	Lead-210	7.40	19.80	0.78	0.78	U		
4103-0573A-HO	4/8/2009	Plutonium-238	55.00	165.13	0.00	7.94	U		
4103-0573A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.00	2.23	U		
4103-0573A-HO	4/8/2009	Radium-226	2.90	4.70	0.69	0.14			
4103-0573A-HO	4/8/2009	Thorium-230	2.80	4.60	4.94	7.44	U		
4103-0573A-HO	4/8/2009	Thorium-232	2.10	3.50	0.89	0.22			
4103-0573A-HO	4/8/2009	Uranium-238	2.20	4.20	0.68	0.51			
4103-0574A-HO	4/8/2009	Actinium-227	4.60	13.61	0.01	0.34	U		
4103-0574A-HO	4/8/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0574A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0574A-HO	4/8/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4103-0574A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0574A-HO	4/8/2009	Lead-210	7.40	19.80	0.13	0.78	U		
4103-0574A-HO	4/8/2009	Plutonium-238	55.00	165.13	0.57	7.65	U		
4103-0574A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.00	1.92	U		
4103-0574A-HO	4/8/2009	Radium-226	2.90	4.70	0.66	0.12			
4103-0574A-HO	4/8/2009	Thorium-230	2.80	4.60	0.00	7.74	U		
4103-0574A-HO	4/8/2009	Thorium-232	2.10	3.50	0.69	0.25			
4103-0574A-HO	4/8/2009	Uranium-238	2.20	4.20	0.71	0.47			
4103-0575A-HO	4/8/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4103-0575A-HO	4/8/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4103-0575A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.04	0.05	U		
4103-0575A-HO	4/8/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0575A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.03	0.06	U		
4103-0575A-HO	4/8/2009	Lead-210	7.40	19.80	0.21	0.70	U		
4103-0575A-HO	4/8/2009	Plutonium-238	55.00	165.13	0.00	7.11	U		
4103-0575A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.00	1.66	U		
4103-0575A-HO	4/8/2009	Radium-226	2.90	4.70	0.62	0.10			
4103-0575A-HO	4/8/2009	Thorium-230	2.80	4.60	2.21	6.77	U		
4103-0575A-HO	4/8/2009	Thorium-232	2.10	3.50	0.47	0.24			
4103-0575A-HO	4/8/2009	Uranium-238	2.20	4.20	0.78	0.44			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0576A-HO	4/8/2009	Actinium-227	4.60	13.61	0.11	0.27	U		
4103-0576A-HO	4/8/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0576A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0576A-HO	4/8/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0576A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0576A-HO	4/8/2009	Lead-210	7.40	19.80	0.43	0.64	U		
4103-0576A-HO	4/8/2009	Plutonium-238	55.00	165.13	0.00	6.87	U		
4103-0576A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.00	1.67	U		
4103-0576A-HO	4/8/2009	Radium-226	2.90	4.70	0.45	0.10			
4103-0576A-HO	4/8/2009	Thorium-230	2.80	4.60	0.24	6.25	U		
4103-0576A-HO	4/8/2009	Thorium-232	2.10	3.50	0.69	0.17			
4103-0576A-HO	4/8/2009	Uranium-238	2.20	4.20	0.46	0.43			
4103-0577A-HO	4/8/2009	Actinium-227	4.60	13.61	0.70	0.42			
4103-0577A-HO	4/8/2009	Americium-241	63.00	189.00	0.21	0.11			
4103-0577A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4103-0577A-HO	4/8/2009	Cesium-137	3.80	10.62	0.01	0.07	U		
4103-0577A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.04	0.06	U		
4103-0577A-HO	4/8/2009	Lead-210	7.40	19.80	1.61	0.93			
4103-0577A-HO	4/8/2009	Plutonium-238	55.00	165.13	15.28	9.73			
4103-0577A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.00	2.43	U		
4103-0577A-HO	4/8/2009	Radium-226	2.90	4.70	0.78	0.16			
4103-0577A-HO	4/8/2009	Thorium-230	2.80	4.60	1.70	9.91	U		
4103-0577A-HO	4/8/2009	Thorium-232	2.10	3.50	1.99	0.24			
4103-0577A-HO	4/8/2009	Uranium-238	2.20	4.20	1.19	0.66			
4103-0578A-HO	4/8/2009	Actinium-227	4.60	13.61	0.16	0.31	U		
4103-0578A-HO	4/8/2009	Americium-241	63.00	189.00	0.06	0.08	U		
4103-0578A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4103-0578A-HO	4/8/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0578A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4103-0578A-HO	4/8/2009	Lead-210	7.40	19.80	0.27	0.66	U		
4103-0578A-HO	4/8/2009	Plutonium-238	55.00	165.13	8.18	6.66			
4103-0578A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.04	1.59	U		
4103-0578A-HO	4/8/2009	Radium-226	2.90	4.70	0.51	0.11			
4103-0578A-HO	4/8/2009	Thorium-230	2.80	4.60	0.00	7.28	U		
4103-0578A-HO	4/8/2009	Thorium-232	2.10	3.50	0.82	0.22			
4103-0578A-HO	4/8/2009	Uranium-238	2.20	4.20	1.25	0.42			
4103-0579B-HO	4/20/2009	Actinium-227	4.60	13.61	0.05	0.31	U		
4103-0579B-HO	4/20/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0579B-HO	4/20/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0579B-HO	4/20/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0579B-HO	4/20/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4103-0579B-HO	4/20/2009	Lead-210	7.40	19.80	0.64	0.68	U		
4103-0579B-HO	4/20/2009	Plutonium-238	55.00	165.13	2.79	6.26	U		
4103-0579B-HO	4/20/2009	Protactinium-231	4.00	11.81	0.61	1.59	U		
4103-0579B-HO	4/20/2009	Radium-226	2.90	4.70	0.63	0.09			
4103-0579B-HO	4/20/2009	Thorium-230	2.80	4.60	2.19	6.67	U		
4103-0579B-HO	4/20/2009	Thorium-232	2.10	3.50	0.79	0.21			
4103-0579B-HO	4/20/2009	Uranium-238	2.20	4.20	0.76	0.38			
4103-0580A-HO	4/7/2009	Actinium-227	4.60	13.61	0.15	0.28	U		
4103-0580A-HO	4/7/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4103-0580A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4103-0580A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4103-0580A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.04	0.05	U		
4103-0580A-HO	4/7/2009	Lead-210	7.40	19.80	0.32	0.66	U		
4103-0580A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	6.62	U		
4103-0580A-HO	4/7/2009	Protactinium-231	4.00	11.81	1.15	1.45	U		
4103-0580A-HO	4/7/2009	Radium-226	2.90	4.70	0.73	0.11			
4103-0580A-HO	4/7/2009	Thorium-230	2.80	4.60	0.00	6.89	U		
4103-0580A-HO	4/7/2009	Thorium-232	2.10	3.50	0.53	0.19			
4103-0580A-HO	4/7/2009	Uranium-238	2.20	4.20	0.58	0.43			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0581A-HO	4/7/2009	Actinium-227	4.60	13.61	0.00	0.32	U		
4103-0581A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0581A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0581A-HO	4/7/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4103-0581A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4103-0581A-HO	4/7/2009	Lead-210	7.40	19.80	0.92	0.63			
4103-0581A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.31	6.76	U		
4103-0581A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.73	U		
4103-0581A-HO	4/7/2009	Radium-226	2.90	4.70	0.68	0.12			
4103-0581A-HO	4/7/2009	Thorium-230	2.80	4.60	1.22	6.73	U		
4103-0581A-HO	4/7/2009	Thorium-232	2.10	3.50	0.62	0.20			
4103-0581A-HO	4/7/2009	Uranium-238	2.20	4.20	0.32	0.45	U		
4103-0582A-HO	4/7/2009	Actinium-227	4.60	13.61	0.08	0.31	U		
4103-0582A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0582A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0582A-HO	4/7/2009	Cesium-137	3.80	10.62	0.04	0.03			
4103-0582A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0582A-HO	4/7/2009	Lead-210	7.40	19.80	0.66	0.65			
4103-0582A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	7.30	U		
4103-0582A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.91	U		
4103-0582A-HO	4/7/2009	Radium-226	2.90	4.70	0.49	0.13			
4103-0582A-HO	4/7/2009	Thorium-230	2.80	4.60	0.00	6.99	U		
4103-0582A-HO	4/7/2009	Thorium-232	2.10	3.50	0.60	0.24			
4103-0582A-HO	4/7/2009	Uranium-238	2.20	4.20	0.74	0.43			
4103-0583A-HO	4/7/2009	Actinium-227	4.60	13.61	0.08	0.33	U		
4103-0583A-HO	4/7/2009	Americium-241	63.00	189.00	0.05	0.07	U		
4103-0583A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0583A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0583A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0583A-HO	4/7/2009	Lead-210	7.40	19.80	0.67	0.69	U		
4103-0583A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	7.22	U		
4103-0583A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.10	1.76	U		
4103-0583A-HO	4/7/2009	Radium-226	2.90	4.70	0.55	0.13			
4103-0583A-HO	4/7/2009	Thorium-230	2.80	4.60	0.00	7.57	U		
4103-0583A-HO	4/7/2009	Thorium-232	2.10	3.50	0.79	0.23			
4103-0583A-HO	4/7/2009	Uranium-238	2.20	4.20	0.46	0.47	U		
4103-0584A-HO	4/7/2009	Actinium-227	4.60	13.61	0.00	0.29	U		
4103-0584A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4103-0584A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4103-0584A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0584A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.04	0.04	U		
4103-0584A-HO	4/7/2009	Lead-210	7.40	19.80	0.13	0.62	U		
4103-0584A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.89	6.24	U		
4103-0584A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.20	1.37	U		
4103-0584A-HO	4/7/2009	Radium-226	2.90	4.70	0.49	0.12			
4103-0584A-HO	4/7/2009	Thorium-230	2.80	4.60	0.08	6.34	U		
4103-0584A-HO	4/7/2009	Thorium-232	2.10	3.50	0.61	0.17			
4103-0584A-HO	4/7/2009	Uranium-238	2.20	4.20	0.88	0.38			
4103-0585A-HO	4/7/2009	Actinium-227	4.60	13.61	0.06	0.34	U		
4103-0585A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0585A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4103-0585A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4103-0585A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4103-0585A-HO	4/7/2009	Lead-210	7.40	19.80	0.66	0.73	U		
4103-0585A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	7.16	U		
4103-0585A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.67	U		
4103-0585A-HO	4/7/2009	Radium-226	2.90	4.70	0.67	0.09			
4103-0585A-HO	4/7/2009	Thorium-230	2.80	4.60	0.00	7.31	U		
4103-0585A-HO	4/7/2009	Thorium-232	2.10	3.50	0.74	0.21			
4103-0585A-HO	4/7/2009	Uranium-238	2.20	4.20	1.01	0.45			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0586A-HO	4/7/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4103-0586A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0586A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0586A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.05	.		
4103-0586A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4103-0586A-HO	4/7/2009	Lead-210	7.40	19.80	0.42	0.68	U		
4103-0586A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.12	6.66	U		
4103-0586A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.70	U		
4103-0586A-HO	4/7/2009	Radium-226	2.90	4.70	0.53	0.12			
4103-0586A-HO	4/7/2009	Thorium-230	2.80	4.60	0.00	6.93	U		
4103-0586A-HO	4/7/2009	Thorium-232	2.10	3.50	0.57	0.18			
4103-0586A-HO	4/7/2009	Uranium-238	2.20	4.20	0.74	0.43			
4103-0587A-HO	4/7/2009	Actinium-227	4.60	13.61	0.07	0.30	U		
4103-0587A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0587A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4103-0587A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0587A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4103-0587A-HO	4/7/2009	Lead-210	7.40	19.80	0.46	0.67	U		
4103-0587A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.88	6.85	U		
4103-0587A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.73	U		
4103-0587A-HO	4/7/2009	Radium-226	2.90	4.70	0.53	0.12			
4103-0587A-HO	4/7/2009	Thorium-230	2.80	4.60	3.59	6.53	U		
4103-0587A-HO	4/7/2009	Thorium-232	2.10	3.50	0.69	0.20			
4103-0587A-HO	4/7/2009	Uranium-238	2.20	4.20	0.96	0.43			
4103-0588A-HO	4/7/2009	Actinium-227	4.60	13.61	0.11	0.32	U		
4103-0588A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4103-0588A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4103-0588A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4103-0588A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4103-0588A-HO	4/7/2009	Lead-210	7.40	19.80	0.04	0.75	U		
4103-0588A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	7.00	U		
4103-0588A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.70	U		
4103-0588A-HO	4/7/2009	Radium-226	2.90	4.70	0.74	0.09			
4103-0588A-HO	4/7/2009	Thorium-230	2.80	4.60	3.14	7.14	U		
4103-0588A-HO	4/7/2009	Thorium-232	2.10	3.50	0.51	0.23			
4103-0588A-HO	4/7/2009	Uranium-238	2.20	4.20	0.73	0.46			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0487A-HO	4/27/2009	Actinium 227	4.60	13.61	0.00	0.42	U		
4103-0487A-HO	4/27/2009	Actinium 228	1.93	5.80	0.92	0.41			
4103-0487A-HO	4/27/2009	Americium 241	63.00	189.00	-0.04	0.26	U		
4103-0487A-HO	4/27/2009	Bismuth 214	1.17	3.51	0.94	0.15			
4103-0487A-HO	4/27/2009	Bismuth-207	1.20	3.60	-0.02	0.10	U		
4103-0487A-HO	4/27/2009	Bismuth-210M	8.30	24.90	0.00	0.12	U		
4103-0487A-HO	4/27/2009	Cesium 137	3.80	10.62	-0.01	0.12	U		
4103-0487A-HO	4/27/2009	Cobalt 60	0.70	2.10	0.03	0.14	U		
4103-0487A-HO	4/27/2009	Lead 210	7.40	19.80	1.30	3.10	U		
4103-0487A-HO	4/27/2009	Lead 212	16.60	49.80	1.12	0.15			
4103-0487A-HO	4/27/2009	Lead 214	8.92	26.80	0.93	0.14			
4103-0487A-HO	4/27/2009	Plutonium 238	55.00	165.13	0.05	0.01			
4103-0487A-HO	4/27/2009	Plutonium 239/40	62.00	181.00	0.00	0.01	U		
4103-0487A-HO	4/27/2009	Protactinium 231	4.00	11.81	-0.90	2.80	U		
4103-0487A-HO	4/27/2009	Radium (226)	2.90	4.70	0.94	0.15			
4103-0487A-HO	4/27/2009	Thorium 228	2.60	4.80	1.16	0.04			
4103-0487A-HO	4/27/2009	Thorium 229	5.06	15.20	0.14	1.30	U		
4103-0487A-HO	4/27/2009	Thorium 230	2.80	4.60	1.17	0.03			
4103-0487A-HO	4/27/2009	Thorium 232	2.10	3.50	1.25	0.02			
4103-0487A-HO	4/27/2009	Uranium 233/234	2.00	14.50	0.73	0.02			
4103-0487A-HO	4/27/2009	Uranium 235	3.10	9.29	0.15	0.43	U		
4103-0487A-HO	4/27/2009	Uranium 235	3.10	9.29	0.07	0.01	J		
4103-0487A-HO	4/27/2009	Uranium 238	2.2	4.2	1.20	2.40	U		
4103-0487A-HO	4/27/2009	Uranium 238	2.2	4.2	0.69	0.02			
4103-0512A-HO	4/23/2009	Actinium 227	4.60	13.61	0.00	1.40	U		
4103-0512A-HO	4/23/2009	Actinium 228	1.93	5.80	1.64	0.23			
4103-0512A-HO	4/23/2009	Americium 241	63.00	189.00	0.03	0.25	U		
4103-0512A-HO	4/23/2009	Bismuth 214	1.17	3.51	0.74	0.17			
4103-0512A-HO	4/23/2009	Bismuth-207	1.20	3.60	0.02	0.09	U		
4103-0512A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.02	0.14	U		
4103-0512A-HO	4/23/2009	Cesium 137	3.80	10.62	0.00	0.10	U		
4103-0512A-HO	4/23/2009	Cobalt 60	0.70	2.10	0.00	0.13	U		
4103-0512A-HO	4/23/2009	Lead 210	7.40	19.80	1.00	3.80	U		
4103-0512A-HO	4/23/2009	Lead 212	16.60	49.80	1.05	0.17			
4103-0512A-HO	4/23/2009	Lead 214	8.92	26.80	0.67	0.19			
4103-0512A-HO	4/23/2009	Plutonium 238	55.00	165.13	0.01	0.01	U		
4103-0512A-HO	4/23/2009	Plutonium 239/40	62.00	181.00	0.00	0.00	U		
4103-0512A-HO	4/23/2009	Protactinium 231	4.00	11.81	-0.60	2.60	U		
4103-0512A-HO	4/23/2009	Radium (226)	2.90	4.70	0.74	0.17			
4103-0512A-HO	4/23/2009	Thorium 228	2.60	4.80	1.09	0.02			
4103-0512A-HO	4/23/2009	Thorium 229	5.06	15.20	0.18	1.40	U		
4103-0512A-HO	4/23/2009	Thorium 230	2.80	4.60	0.97	0.03			
4103-0512A-HO	4/23/2009	Thorium 232	2.10	3.50	1.03	0.03			
4103-0512A-HO	4/23/2009	Uranium 233/234	2.00	14.50	0.77	0.02			
4103-0512A-HO	4/23/2009	Uranium 235	3.10	9.29	-0.09	0.60	U		
4103-0512A-HO	4/23/2009	Uranium 235	3.10	9.29	0.04	0.03	J		
4103-0512A-HO	4/23/2009	Uranium 238	2.2	4.2	0.50	2.50	U		
4103-0512A-HO	4/23/2009	Uranium 238	2.2	4.2	0.72	0.02			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0532A-HO	4/15/2009	Actinium 227	4.60	13.61	-0.25	0.61	U		
4103-0532A-HO	4/15/2009	Actinium 228	1.93	5.80	0.46	0.27			
4103-0532A-HO	4/15/2009	Americium 241	63.00	189.00	0.02	0.17	U		
4103-0532A-HO	4/15/2009	Bismuth 214	1.17	3.51	0.54	0.07			
4103-0532A-HO	4/15/2009	Bismuth-207	1.20	3.60	0.00	0.06	U		
4103-0532A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.00	0.12	U		
4103-0532A-HO	4/15/2009	Cesium 137	3.80	10.62	0.00	0.09	U		
4103-0532A-HO	4/15/2009	Cobalt 60	0.70	2.10	0.00	0.12	U		
4103-0532A-HO	4/15/2009	Lead 210	7.40	19.80	0.69	1.60	U		
4103-0532A-HO	4/15/2009	Lead 212	16.60	49.80	0.41	0.12			
4103-0532A-HO	4/15/2009	Lead 214	8.92	26.80	0.56	0.12			
4103-0532A-HO	4/15/2009	Plutonium 238	55.00	165.13	9.85	0.02			
4103-0532A-HO	4/15/2009	Plutonium 239/40	62.00	181.00	0.06	0.02			
4103-0532A-HO	4/15/2009	Protactinium 231	4.00	11.81	-0.31	1.60	U		
4103-0532A-HO	4/15/2009	Radium (226)	2.90	4.70	0.54	0.07			
4103-0532A-HO	4/15/2009	Thorium 228	2.60	4.80	0.72	0.03			
4103-0532A-HO	4/15/2009	Thorium 229	5.06	15.20	0.18	0.78	U		
4103-0532A-HO	4/15/2009	Thorium 230	2.80	4.60	0.62	0.04			
4103-0532A-HO	4/15/2009	Thorium 232	2.10	3.50	0.73	0.03			
4103-0532A-HO	4/15/2009	Uranium 233/234	2.00	14.50	0.67	0.02			
4103-0532A-HO	4/15/2009	Uranium 235	3.10	9.29	0.09	0.36	U		
4103-0532A-HO	4/15/2009	Uranium 235	3.10	9.29	0.03	0.01	J		
4103-0532A-HO	4/15/2009	Uranium 238	2.2	4.2	0.11	1.60	U		
4103-0532A-HO	4/15/2009	Uranium 238	2.2	4.2	0.69	0.02			
4103-0549A-HO	4/15/2009	Actinium 227	4.60	13.61	-0.23	0.75	U		
4103-0549A-HO	4/15/2009	Actinium 228	1.93	5.80	1.12	0.26			
4103-0549A-HO	4/15/2009	Americium 241	63.00	189.00	-0.01	0.22	U		
4103-0549A-HO	4/15/2009	Bismuth 214	1.17	3.51	0.58	0.18			
4103-0549A-HO	4/15/2009	Bismuth-207	1.20	3.60	0.00	0.10	U		
4103-0549A-HO	4/15/2009	Bismuth-210M	8.30	24.90	0.01	0.11	U		
4103-0549A-HO	4/15/2009	Cesium 137	3.80	10.62	-0.01	0.12	U		
4103-0549A-HO	4/15/2009	Cobalt 60	0.70	2.10	0.05	0.12	U		
4103-0549A-HO	4/15/2009	Lead 210	7.40	19.80	1.60	3.50	U		
4103-0549A-HO	4/15/2009	Lead 212	16.60	49.80	1.06	0.15			
4103-0549A-HO	4/15/2009	Lead 214	8.92	26.80	0.69	0.16			
4103-0549A-HO	4/15/2009	Plutonium 238	55.00	165.13	0.13	0.03			
4103-0549A-HO	4/15/2009	Plutonium 239/40	62.00	181.00	0.00	0.03	U		
4103-0549A-HO	4/15/2009	Protactinium 231	4.00	11.81	-0.50	2.80	U		
4103-0549A-HO	4/15/2009	Radium (226)	2.90	4.70	0.58	0.18			
4103-0549A-HO	4/15/2009	Thorium 228	2.60	4.80	1.09	0.04			
4103-0549A-HO	4/15/2009	Thorium 229	5.06	15.20	0.28	1.30	U		
4103-0549A-HO	4/15/2009	Thorium 230	2.80	4.60	0.88	0.04			
4103-0549A-HO	4/15/2009	Thorium 232	2.10	3.50	0.95	0.04			
4103-0549A-HO	4/15/2009	Uranium 233/234	2.00	14.50	0.64	0.03			
4103-0549A-HO	4/15/2009	Uranium 235	3.10	9.29	-0.04	0.50	U		
4103-0549A-HO	4/15/2009	Uranium 235	3.10	9.29	0.05	0.02	J		
4103-0549A-HO	4/15/2009	Uranium 238	2.2	4.2	0.80	2.40	U		
4103-0549A-HO	4/15/2009	Uranium 238	2.2	4.2	0.74	0.02			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0551A-HO	4/21/2009	Actinium 227	4.60	13.61	0.06	1.40	U		
4103-0551A-HO	4/21/2009	Actinium 228	1.93	5.80	1.53	0.23			
4103-0551A-HO	4/21/2009	Americium 241	63.00	189.00	0.07	0.19	U		
4103-0551A-HO	4/21/2009	Bismuth 214	1.17	3.51	0.76	0.19			
4103-0551A-HO	4/21/2009	Bismuth-207	1.20	3.60	0.00	0.08	U		
4103-0551A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.03	0.11	U		
4103-0551A-HO	4/21/2009	Cesium 137	3.80	10.62	-0.01	0.08	U		
4103-0551A-HO	4/21/2009	Cobalt 60	0.70	2.10	0.02	0.11	U		
4103-0551A-HO	4/21/2009	Lead 210	7.40	19.80	1.30	3.00	U		
4103-0551A-HO	4/21/2009	Lead 212	16.60	49.80	1.12	0.14			
4103-0551A-HO	4/21/2009	Lead 214	8.92	26.80	0.84	0.16			
4103-0551A-HO	4/21/2009	Plutonium 238	55.00	165.13	3.34	0.04			
4103-0551A-HO	4/21/2009	Plutonium 239/40	62.00	181.00	0.02	0.03	U		
4103-0551A-HO	4/21/2009	Protactinium 231	4.00	11.81	-0.90	2.30	U		
4103-0551A-HO	4/21/2009	Radium (226)	2.90	4.70	0.76	0.19			
4103-0551A-HO	4/21/2009	Thorium 228	2.60	4.80	1.14	0.04			
4103-0551A-HO	4/21/2009	Thorium 229	5.06	15.20	-0.20	1.10	U		
4103-0551A-HO	4/21/2009	Thorium 230	2.80	4.60	0.80	0.04			
4103-0551A-HO	4/21/2009	Thorium 232	2.10	3.50	0.95	0.03			
4103-0551A-HO	4/21/2009	Uranium 233/234	2.00	14.50	0.91	0.04			
4103-0551A-HO	4/21/2009	Uranium 235	3.10	9.29	0.05	0.46	U		
4103-0551A-HO	4/21/2009	Uranium 235	3.10	9.29	0.02	0.02	U		
4103-0551A-HO	4/21/2009	Uranium 238	2.2	4.2	1.00	1.80	U		
4103-0551A-HO	4/21/2009	Uranium 238	2.2	4.2	0.84	0.03			
4103-0554A-HO	4/21/2009	Actinium 227	4.60	13.61	0.13	0.45	U		
4103-0554A-HO	4/21/2009	Actinium 228	1.93	5.80	1.79	0.17			
4103-0554A-HO	4/21/2009	Americium 241	63.00	189.00	0.00	0.31	U		
4103-0554A-HO	4/21/2009	Bismuth 214	1.17	3.51	0.91	0.18			
4103-0554A-HO	4/21/2009	Bismuth-207	1.20	3.60	0.00	0.10	U		
4103-0554A-HO	4/21/2009	Bismuth-210M	8.30	24.90	-0.04	0.17	U		
4103-0554A-HO	4/21/2009	Cesium 137	3.80	10.62	0.00	0.22	U		
4103-0554A-HO	4/21/2009	Cobalt 60	0.70	2.10	0.00	0.18	U		
4103-0554A-HO	4/21/2009	Lead 210	7.40	19.80	1.80	3.50	U		
4103-0554A-HO	4/21/2009	Lead 212	16.60	49.80	1.18	0.20			
4103-0554A-HO	4/21/2009	Lead 214	8.92	26.80	0.83	0.20			
4103-0554A-HO	4/21/2009	Plutonium 238	55.00	165.13	0.10	0.04			
4103-0554A-HO	4/21/2009	Plutonium 239/40	62.00	181.00	0.01	0.03	U		
4103-0554A-HO	4/21/2009	Protactinium 231	4.00	11.81	0.06	2.50	U		
4103-0554A-HO	4/21/2009	Radium (226)	2.90	4.70	0.91	0.18			
4103-0554A-HO	4/21/2009	Thorium 228	2.60	4.80	1.23	0.04			
4103-0554A-HO	4/21/2009	Thorium 229	5.06	15.20	0.65	1.40	U		
4103-0554A-HO	4/21/2009	Thorium 230	2.80	4.60	0.90	0.03			
4103-0554A-HO	4/21/2009	Thorium 232	2.10	3.50	1.17	0.02			
4103-0554A-HO	4/21/2009	Uranium 233/234	2.00	14.50	0.85	0.03			
4103-0554A-HO	4/21/2009	Uranium 235	3.10	9.29	-0.04	0.66	U		
4103-0554A-HO	4/21/2009	Uranium 235	3.10	9.29	0.03	0.03	J		
4103-0554A-HO	4/21/2009	Uranium 238	2.2	4.2	0.60	3.10	U		
4103-0554A-HO	4/21/2009	Uranium 238	2.2	4.2	0.87	0.03			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0565A-HO	4/21/2009	Actinium 227	4.60	13.61	0.13	0.39	U		
4103-0565A-HO	4/21/2009	Actinium 228	1.93	5.80	1.16	0.11			
4103-0565A-HO	4/21/2009	Americium 241	63.00	189.00	0.01	0.22	U		
4103-0565A-HO	4/21/2009	Bismuth 214	1.17	3.51	0.49	0.19			
4103-0565A-HO	4/21/2009	Bismuth-207	1.20	3.60	-0.01	0.08	U		
4103-0565A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.03	0.08	U		
4103-0565A-HO	4/21/2009	Cesium 137	3.80	10.62	0.02	0.10	U		
4103-0565A-HO	4/21/2009	Cobalt 60	0.70	2.10	0.01	0.11	U		
4103-0565A-HO	4/21/2009	Lead 210	7.40	19.80	2.30	2.70	U		
4103-0565A-HO	4/21/2009	Lead 212	16.60	49.80	0.97	0.13			
4103-0565A-HO	4/21/2009	Lead 214	8.92	26.80	0.50	0.17			
4103-0565A-HO	4/21/2009	Plutonium 238	55.00	165.13	0.59	0.04			
4103-0565A-HO	4/21/2009	Plutonium 239/40	62.00	181.00	0.01	0.02	U		
4103-0565A-HO	4/21/2009	Protactinium 231	4.00	11.81	-0.30	2.70	U		
4103-0565A-HO	4/21/2009	Radium (226)	2.90	4.70	0.49	0.19			
4103-0565A-HO	4/21/2009	Thorium 228	2.60	4.80	1.15	0.04			
4103-0565A-HO	4/21/2009	Thorium 229	5.06	15.20	-0.04	1.10	U		
4103-0565A-HO	4/21/2009	Thorium 230	2.80	4.60	1.02	0.03			
4103-0565A-HO	4/21/2009	Thorium 232	2.10	3.50	1.03	0.03			
4103-0565A-HO	4/21/2009	Uranium 233/234	2.00	14.50	0.62	0.04			
4103-0565A-HO	4/21/2009	Uranium 235	3.10	9.29	0.02	0.48	U		
4103-0565A-HO	4/21/2009	Uranium 235	3.10	9.29	0.02	0.03	U		
4103-0565A-HO	4/21/2009	Uranium 238	2.2	4.2	0.80	2.30	U		
4103-0565A-HO	4/21/2009	Uranium 238	2.2	4.2	0.72	0.03			
4103-0566A-HO	4/21/2009	Actinium 227	4.60	13.61	0.02	1.60	U		
4103-0566A-HO	4/21/2009	Actinium 228	1.93	5.80	1.51	0.16			
4103-0566A-HO	4/21/2009	Americium 241	63.00	189.00	0.00	0.24	U		
4103-0566A-HO	4/21/2009	Bismuth 214	1.17	3.51	0.68	0.17			
4103-0566A-HO	4/21/2009	Bismuth-207	1.20	3.60	0.01	0.09	U		
4103-0566A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.03	0.10	U		
4103-0566A-HO	4/21/2009	Cesium 137	3.80	10.62	0.01	0.12	U		
4103-0566A-HO	4/21/2009	Cobalt 60	0.70	2.10	0.00	0.16	U		
4103-0566A-HO	4/21/2009	Lead 210	7.40	19.80	0.70	3.60	U		
4103-0566A-HO	4/21/2009	Lead 212	16.60	49.80	0.96	0.14			
4103-0566A-HO	4/21/2009	Lead 214	8.92	26.80	0.78	0.16			
4103-0566A-HO	4/21/2009	Plutonium 238	55.00	165.13	0.08	0.04			
4103-0566A-HO	4/21/2009	Plutonium 239/40	62.00	181.00	-0.01	0.04	U		
4103-0566A-HO	4/21/2009	Protactinium 231	4.00	11.81	-0.30	2.60	U		
4103-0566A-HO	4/21/2009	Radium (226)	2.90	4.70	0.68	0.17			
4103-0566A-HO	4/21/2009	Thorium 228	2.60	4.80	1.05	0.11			
4103-0566A-HO	4/21/2009	Thorium 229	5.06	15.20	-0.44	1.50	U		
4103-0566A-HO	4/21/2009	Thorium 230	2.80	4.60	0.86	0.10			
4103-0566A-HO	4/21/2009	Thorium 232	2.10	3.50	1.00	0.04			
4103-0566A-HO	4/21/2009	Uranium 233/234	2.00	14.50	0.74	0.03			
4103-0566A-HO	4/21/2009	Uranium 235	3.10	9.29	0.22	0.46	U		
4103-0566A-HO	4/21/2009	Uranium 235	3.10	9.29	0.03	0.01	J		
4103-0566A-HO	4/21/2009	Uranium 238	2.2	4.2	0.01	2.40	U		
4103-0566A-HO	4/21/2009	Uranium 238	2.2	4.2	0.76	0.02			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0574A-HO	4/8/2009	Actinium 227	4.60	13.61	-0.02	1.90	U		
4103-0574A-HO	4/8/2009	Actinium 228	1.93	5.80	1.43	0.17			
4103-0574A-HO	4/8/2009	Americium 241	63.00	189.00	0.04	0.17	U		
4103-0574A-HO	4/8/2009	Bismuth 214	1.17	3.51	0.80	0.13			
4103-0574A-HO	4/8/2009	Bismuth-207	1.20	3.60	0.03	0.10	U		
4103-0574A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.04	0.11	U		
4103-0574A-HO	4/8/2009	Cesium 137	3.80	10.62	0.05	0.14	U		
4103-0574A-HO	4/8/2009	Cobalt 60	0.70	2.10	0.00	0.18	U		
4103-0574A-HO	4/8/2009	Lead 210	7.40	19.80	0.70	3.50	U		
4103-0574A-HO	4/8/2009	Lead 212	16.60	49.80	1.09	0.17			
4103-0574A-HO	4/8/2009	Lead 214	8.92	26.80	0.90	0.17			
4103-0574A-HO	4/8/2009	Plutonium 238	55.00	165.13	0.67	0.03			
4103-0574A-HO	4/8/2009	Plutonium 239/40	62.00	181.00	0.01	0.01			
4103-0574A-HO	4/8/2009	Protactinium 231	4.00	11.81	0.40	2.60	U		
4103-0574A-HO	4/8/2009	Radium (226)	2.90	4.70	0.80	0.13			
4103-0574A-HO	4/8/2009	Thorium 228	2.60	4.80	1.05	0.04			
4103-0574A-HO	4/8/2009	Thorium 229	5.06	15.20	0.05	1.90	U		
4103-0574A-HO	4/8/2009	Thorium 230	2.80	4.60	0.74	0.03			
4103-0574A-HO	4/8/2009	Thorium 232	2.10	3.50	1.09	0.02			
4103-0574A-HO	4/8/2009	Uranium 233/234	2.00	14.50	0.76	0.03			
4103-0574A-HO	4/8/2009	Uranium 235	3.10	9.29	0.07	0.59	U		
4103-0574A-HO	4/8/2009	Uranium 235	3.10	9.29	0.05	0.03	J		
4103-0574A-HO	4/8/2009	Uranium 238	2.2	4.2	1.20	2.60	U		
4103-0574A-HO	4/8/2009	Uranium 238	2.2	4.2	0.79	0.01			
4103-0575A-HO	4/8/2009	Actinium 227	4.60	13.61	-0.34	0.84	U		
4103-0575A-HO	4/8/2009	Actinium 228	1.93	5.80	1.06	0.42			
4103-0575A-HO	4/8/2009	Americium 241	63.00	189.00	-0.04	0.25	U		
4103-0575A-HO	4/8/2009	Bismuth 214	1.17	3.51	0.45	0.28			
4103-0575A-HO	4/8/2009	Bismuth-207	1.20	3.60	-0.01	0.11	U		
4103-0575A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.00	0.12	U		
4103-0575A-HO	4/8/2009	Cesium 137	3.80	10.62	-0.03	0.14	U		
4103-0575A-HO	4/8/2009	Cobalt 60	0.70	2.10	-0.02	0.17	U		
4103-0575A-HO	4/8/2009	Lead 210	7.40	19.80	2.50	3.60	U		
4103-0575A-HO	4/8/2009	Lead 212	16.60	49.80	0.88	0.18			
4103-0575A-HO	4/8/2009	Lead 214	8.92	26.80	0.75	0.12			
4103-0575A-HO	4/8/2009	Plutonium 238	55.00	165.13	0.07	0.02			
4103-0575A-HO	4/8/2009	Plutonium 239/40	62.00	181.00	0.00	0.02	U		
4103-0575A-HO	4/8/2009	Protactinium 231	4.00	11.81	0.50	2.30	U		
4103-0575A-HO	4/8/2009	Radium (226)	2.90	4.70	0.45	0.28			
4103-0575A-HO	4/8/2009	Thorium 228	2.60	4.80	1.29	0.04			
4103-0575A-HO	4/8/2009	Thorium 229	5.06	15.20	0.18	1.40	U		
4103-0575A-HO	4/8/2009	Thorium 230	2.80	4.60	0.89	0.03			
4103-0575A-HO	4/8/2009	Thorium 232	2.10	3.50	1.07	0.02			
4103-0575A-HO	4/8/2009	Uranium 233/234	2.00	14.50	0.61	0.03			
4103-0575A-HO	4/8/2009	Uranium 235	3.10	9.29	0.13	0.54	U		
4103-0575A-HO	4/8/2009	Uranium 235	3.10	9.29	0.06	0.03	J		
4103-0575A-HO	4/8/2009	Uranium 238	2.2	4.2	1.20	2.50	U		
4103-0575A-HO	4/8/2009	Uranium 238	2.2	4.2	0.73	0.03			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0583A-HO	4/7/2009	Actinium 227	4.60	13.61	-0.61	0.95	U		
4103-0583A-HO	4/7/2009	Actinium 228	1.93	5.80	1.08	0.17			
4103-0583A-HO	4/7/2009	Americium 241	63.00	189.00	0.00	0.25	U		
4103-0583A-HO	4/7/2009	Bismuth 214	1.17	3.51	0.68	0.18			
4103-0583A-HO	4/7/2009	Bismuth-207	1.20	3.60	0.02	0.09	U		
4103-0583A-HO	4/7/2009	Bismuth-210M	8.30	24.90	-0.03	0.13	U		
4103-0583A-HO	4/7/2009	Cesium 137	3.80	10.62	0.00	0.10	U		
4103-0583A-HO	4/7/2009	Cobalt 60	0.70	2.10	0.00	0.11	U		
4103-0583A-HO	4/7/2009	Lead 210	7.40	19.80	-1.00	3.00	U		
4103-0583A-HO	4/7/2009	Lead 212	16.60	49.80	0.90	0.15			
4103-0583A-HO	4/7/2009	Lead 214	8.92	26.80	0.78	0.19			
4103-0583A-HO	4/7/2009	Plutonium 238	55.00	165.13	0.00	0.00	J		
4103-0583A-HO	4/7/2009	Plutonium 239/40	62.00	181.00	0.00	0.00	U		
4103-0583A-HO	4/7/2009	Protactinium 231	4.00	11.81	-0.50	2.60	U		
4103-0583A-HO	4/7/2009	Radium (226)	2.90	4.70	0.68	0.18			
4103-0583A-HO	4/7/2009	Thorium 228	2.60	4.80	1.07	0.05			
4103-0583A-HO	4/7/2009	Thorium 229	5.06	15.20	-0.03	1.30	U		
4103-0583A-HO	4/7/2009	Thorium 230	2.80	4.60	0.97	0.03			
4103-0583A-HO	4/7/2009	Thorium 232	2.10	3.50	1.10	0.03			
4103-0583A-HO	4/7/2009	Uranium 233/234	2.00	14.50	0.66	0.03			
4103-0583A-HO	4/7/2009	Uranium 235	3.10	9.29	0.11	0.48	U		
4103-0583A-HO	4/7/2009	Uranium 235	3.10	9.29	0.01	0.03	U		
4103-0583A-HO	4/7/2009	Uranium 238	2.2	4.2	-0.03	2.40	U		
4103-0583A-HO	4/7/2009	Uranium 238	2.2	4.2	0.73	0.02			

CO	Cleanup Objective
HS	Hot Spot Criteria
A-HO	Hot Spot location - original
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit
J	The associated numerical value is an estimated quantity

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0589A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.4	0.8	U		
4103-0589A-FO	5/12/2009	Actinium 228	1.93	5.80	0.55	0.33			
4103-0589A-FO	5/12/2009	Americium 241	63.00	189.00	-0.006	0.24	U		
4103-0589A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.69	0.2			
4103-0589A-FO	5/12/2009	Bismuth-207	1.20	3.60	-0.004	0.081	U		
4103-0589A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.034	0.1	U		
4103-0589A-FO	5/12/2009	Cesium 137	3.80	10.62	0.048	0.093	U		
4103-0589A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.02	0.13	U		
4103-0589A-FO	5/12/2009	Lead 210	7.40	19.80	2.4	2.6	U		
4103-0589A-FO	5/12/2009	Lead 212	16.60	49.80	0.74	0.14			
4103-0589A-FO	5/12/2009	Lead 214	8.92	26.80	0.82	0.18			
4103-0589A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.97	0.06			
4103-0589A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.002	0.047	U		
4103-0589A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.0005	2.1	U		
4103-0589A-FO	5/12/2009	Radium (226)	2.90	4.70	0.69	0.2			
4103-0589A-FO	5/12/2009	Thorium 228	2.60	4.80	0.81	0.19			
4103-0589A-FO	5/12/2009	Thorium 229	5.06	15.20	0.002	1	U		
4103-0589A-FO	5/12/2009	Thorium 230	2.80	4.60	0.92	0.15			
4103-0589A-FO	5/12/2009	Thorium 232	2.10	3.50	0.96	0.12			
4103-0589A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.74	0.07			
4103-0589A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.009	0.48	U		
4103-0589A-FO	5/12/2009	Uranium 235	3.10	9.29	0.034	0.062	U		
4103-0589A-FO	5/12/2009	Uranium 238	2.2	4.2	1.32	2.2	U		
4103-0589A-FO	5/12/2009	Uranium 238	2.2	4.2	0.8	0.06			
4103-0590A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.01	1.2	U		
4103-0590A-FO	5/12/2009	Actinium 228	1.93	5.80	0.44	0.35			
4103-0590A-FO	5/12/2009	Americium 241	63.00	189.00	-0.03	0.18	U		
4103-0590A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.5	0.14			
4103-0590A-FO	5/12/2009	Bismuth-207	1.20	3.60	-0.0003	0.074	U		
4103-0590A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.023	0.078	U		
4103-0590A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.005	0.12	U		
4103-0590A-FO	5/12/2009	Cobalt 60	0.70	2.10	0	0.049	U		
4103-0590A-FO	5/12/2009	Lead 210	7.40	19.80	-0.2	2.5	U		
4103-0590A-FO	5/12/2009	Lead 212	16.60	49.80	0.67	0.11			
4103-0590A-FO	5/12/2009	Lead 214	8.92	26.80	0.7	0.15			
4103-0590A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.077	0.055			
4103-0590A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	-0.009	0.068	U		
4103-0590A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.6	1.9	U		
4103-0590A-FO	5/12/2009	Radium (226)	2.90	4.70	0.5	0.14			
4103-0590A-FO	5/12/2009	Thorium 228	2.60	4.80	1	0.12			
4103-0590A-FO	5/12/2009	Thorium 229	5.06	15.20	-0.006	1	U		
4103-0590A-FO	5/12/2009	Thorium 230	2.80	4.60	0.93	0.09			
4103-0590A-FO	5/12/2009	Thorium 232	2.10	3.50	0.71	0.07			
4103-0590A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.73	0.06			
4103-0590A-FO	5/12/2009	Uranium 235	3.10	9.29	0.01	0.35	U		
4103-0590A-FO	5/12/2009	Uranium 235	3.10	9.29	0.023	0.049	U		
4103-0590A-FO	5/12/2009	Uranium 238	2.2	4.2	1.1	1.5	U		
4103-0590A-FO	5/12/2009	Uranium 238	2.2	4.2	0.82	0.05			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0591A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.02	1.3	U		
4103-0591A-FO	5/12/2009	Actinium 228	1.93	5.80	1.1	0.24			
4103-0591A-FO	5/12/2009	Americium 241	63.00	189.00	-0.001	0.19	U		
4103-0591A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.8	0.17			
4103-0591A-FO	5/12/2009	Bismuth-207	1.20	3.60	-0.001	0.06	U		
4103-0591A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.001	0.12	U		
4103-0591A-FO	5/12/2009	Cesium 137	3.80	10.62	0.018	0.084	U		
4103-0591A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.006	0.11	U		
4103-0591A-FO	5/12/2009	Lead 210	7.40	19.80	1.3	2.4	U		
4103-0591A-FO	5/12/2009	Lead 212	16.60	49.80	1.08	0.13			
4103-0591A-FO	5/12/2009	Lead 214	8.92	26.80	0.83	0.16			
4103-0591A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.242	0.076			
4103-0591A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.008	0.053	U		
4103-0591A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.8	2.3	U		
4103-0591A-FO	5/12/2009	Radium (226)	2.90	4.70	0.8	0.17			
4103-0591A-FO	5/12/2009	Thorium 228	2.60	4.80	1.05	0.07			
4103-0591A-FO	5/12/2009	Thorium 229	5.06	15.20	0.14	0.94	U		
4103-0591A-FO	5/12/2009	Thorium 230	2.80	4.60	0.76	0.06			
4103-0591A-FO	5/12/2009	Thorium 232	2.10	3.50	0.99	0.04			
4103-0591A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.86	0.07			
4103-0591A-FO	5/12/2009	Uranium 235	3.10	9.29	0.04	0.44	U		
4103-0591A-FO	5/12/2009	Uranium 235	3.10	9.29	0.044	0.051	U		
4103-0591A-FO	5/12/2009	Uranium 238	2.2	4.2	0.8	1.9	U		
4103-0591A-FO	5/12/2009	Uranium 238	2.2	4.2	0.76	0.07			
4103-0592A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.37	0.63	U		
4103-0592A-FO	5/12/2009	Actinium 228	1.93	5.80	1.4	0.23			
4103-0592A-FO	5/12/2009	Americium 241	63.00	189.00	0.05	0.17	U		
4103-0592A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.81	0.17			
4103-0592A-FO	5/12/2009	Bismuth-207	1.20	3.60	-0.001	0.074	U		
4103-0592A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.021	0.1	U		
4103-0592A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.016	0.1	U		
4103-0592A-FO	5/12/2009	Cobalt 60	0.70	2.10	0.007	0.1	U		
4103-0592A-FO	5/12/2009	Lead 210	7.40	19.80	0.7	2.7	U		
4103-0592A-FO	5/12/2009	Lead 212	16.60	49.80	0.91	0.13			
4103-0592A-FO	5/12/2009	Lead 214	8.92	26.80	0.75	0.15			
4103-0592A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.228	0.077			
4103-0592A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.01	0.047	U		
4103-0592A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.5	1.9	U		
4103-0592A-FO	5/12/2009	Radium (226)	2.90	4.70	0.81	0.17			
4103-0592A-FO	5/12/2009	Thorium 228	2.60	4.80	0.84	0.18			
4103-0592A-FO	5/12/2009	Thorium 229	5.06	15.20	0.16	1	U		
4103-0592A-FO	5/12/2009	Thorium 230	2.80	4.60	0.83	0.13			
4103-0592A-FO	5/12/2009	Thorium 232	2.10	3.50	1.08	0.1			
4103-0592A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.71	0.05			
4103-0592A-FO	5/12/2009	Uranium 235	3.10	9.29	0.11	0.39	U		
4103-0592A-FO	5/12/2009	Uranium 235	3.10	9.29	0.035	0.043	U		
4103-0592A-FO	5/12/2009	Uranium 238	2.2	4.2	0.2	1.9	U		
4103-0592A-FO	5/12/2009	Uranium 238	2.2	4.2	0.81	0.03			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0593A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.58	0.91	U		
4103-0593A-FO	5/12/2009	Actinium 228	1.93	5.80	1.17	0.36			
4103-0593A-FO	5/12/2009	Americium 241	63.00	189.00	0.07	0.25	U		
4103-0593A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.89	0.11			
4103-0593A-FO	5/12/2009	Bismuth-207	1.20	3.60	0	0.11	U		
4103-0593A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.002	0.12	U		
4103-0593A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.002	0.12	U		
4103-0593A-FO	5/12/2009	Cobalt 60	0.70	2.10	0.056	0.15	U		
4103-0593A-FO	5/12/2009	Lead 210	7.40	19.80	0.7	2.9	U		
4103-0593A-FO	5/12/2009	Lead 212	16.60	49.80	1.33	0.17			
4103-0593A-FO	5/12/2009	Lead 214	8.92	26.80	0.85	0.16			
4103-0593A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.0104	0.0057	J		
4103-0593A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.0021	0.0057	U		
4103-0593A-FO	5/12/2009	Protactinium 231	4.00	11.81	0.2	1.9	U		
4103-0593A-FO	5/12/2009	Radium (226)	2.90	4.70	0.89	0.11			
4103-0593A-FO	5/12/2009	Thorium 228	2.60	4.80	0.99	0.07			
4103-0593A-FO	5/12/2009	Thorium 229	5.06	15.20	0.1	1.2	U		
4103-0593A-FO	5/12/2009	Thorium 230	2.80	4.60	0.75	0.06			
4103-0593A-FO	5/12/2009	Thorium 232	2.10	3.50	1.14	0.06			
4103-0593A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.94	0.06			
4103-0593A-FO	5/12/2009	Uranium 235	3.10	9.29	0.02	0.34	U		
4103-0593A-FO	5/12/2009	Uranium 235	3.10	9.29	0.038	0.046	U		
4103-0593A-FO	5/12/2009	Uranium 238	2.2	4.2	0.7	2.4	U		
4103-0593A-FO	5/12/2009	Uranium 238	2.2	4.2	0.94	0.05			
4103-0594A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.78	0.83	U		
4103-0594A-FO	5/12/2009	Actinium 228	1.93	5.80	1.09	0.21			
4103-0594A-FO	5/12/2009	Americium 241	63.00	189.00	0.076	0.16	U		
4103-0594A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.6	0.16			
4103-0594A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.006	0.063	U		
4103-0594A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.004	0.11	U		
4103-0594A-FO	5/12/2009	Cesium 137	3.80	10.62	0.027	0.065	U		
4103-0594A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.011	0.091	U		
4103-0594A-FO	5/12/2009	Lead 210	7.40	19.80	1.5	2.6	U		
4103-0594A-FO	5/12/2009	Lead 212	16.60	49.80	0.96	0.13			
4103-0594A-FO	5/12/2009	Lead 214	8.92	26.80	0.64	0.15			
4103-0594A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.277	0.041			
4103-0594A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.018	0.046	U		
4103-0594A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.8	2	U		
4103-0594A-FO	5/12/2009	Radium (226)	2.90	4.70	0.6	0.16			
4103-0594A-FO	5/12/2009	Thorium 228	2.60	4.80	1.31	0.09			
4103-0594A-FO	5/12/2009	Thorium 229	5.06	15.20	0.37	0.87	U		
4103-0594A-FO	5/12/2009	Thorium 230	2.80	4.60	0.68	0.05			
4103-0594A-FO	5/12/2009	Thorium 232	2.10	3.50	0.94	0.06			
4103-0594A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.7	0.04			
4103-0594A-FO	5/12/2009	Uranium 235	3.10	9.29	0.004	0.3	U		
4103-0594A-FO	5/12/2009	Uranium 235	3.10	9.29	0.022	0.047	U		
4103-0594A-FO	5/12/2009	Uranium 238	2.2	4.2	0.8	1.9	U		
4103-0594A-FO	5/12/2009	Uranium 238	2.2	4.2	0.62	0.04			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0595A-FO	5/12/2009	Actinium 227	4.60	13.61	0.16	0.34	U		
4103-0595A-FO	5/12/2009	Actinium 228	1.93	5.80	1.46	0.31			
4103-0595A-FO	5/12/2009	Americium 241	63.00	189.00	0.09	0.24	U		
4103-0595A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.66	0.19			
4103-0595A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.001	0.063	U		
4103-0595A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.015	0.12	U		
4103-0595A-FO	5/12/2009	Cesium 137	3.80	10.62	0.039	0.096	U		
4103-0595A-FO	5/12/2009	Cobalt 60	0.70	2.10	0.0009	0.1	U		
4103-0595A-FO	5/12/2009	Lead 210	7.40	19.80	0.7	2.8	U		
4103-0595A-FO	5/12/2009	Lead 212	16.60	49.80	1.32	0.12			
4103-0595A-FO	5/12/2009	Lead 214	8.92	26.80	0.98	0.19			
4103-0595A-FO	5/12/2009	Plutonium 238	55.00	165.13	21.6	0.07			
4103-0595A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.064	0.051			
4103-0595A-FO	5/12/2009	Protactinium 231	4.00	11.81	0.85	2.2	U		
4103-0595A-FO	5/12/2009	Radium (226)	2.90	4.70	0.66	0.19			
4103-0595A-FO	5/12/2009	Thorium 228	2.60	4.80	1.26	0.1			
4103-0595A-FO	5/12/2009	Thorium 229	5.06	15.20	-0.28	1.2	U		
4103-0595A-FO	5/12/2009	Thorium 230	2.80	4.60	1.07	0.06			
4103-0595A-FO	5/12/2009	Thorium 232	2.10	3.50	1.28	0.06			
4103-0595A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.96	0.05			
4103-0595A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.04	0.5	U		
4103-0595A-FO	5/12/2009	Uranium 235	3.10	9.29	0.018	0.025	U		
4103-0595A-FO	5/12/2009	Uranium 238	2.2	4.2	1.5	1.8	U		
4103-0595A-FO	5/12/2009	Uranium 238	2.2	4.2	0.8	0.03			
4103-0596A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.08	1.4	U		
4103-0596A-FO	5/12/2009	Actinium 228	1.93	5.80	1.08	0.33			
4103-0596A-FO	5/12/2009	Americium 241	63.00	189.00	-0.008	0.2	U		
4103-0596A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.71	0.19			
4103-0596A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.014	0.077	U		
4103-0596A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.005	0.11	U		
4103-0596A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.03	0.11	U		
4103-0596A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.02	0.12	U		
4103-0596A-FO	5/12/2009	Lead 210	7.40	19.80	1.3	2.2	U		
4103-0596A-FO	5/12/2009	Lead 212	16.60	49.80	1.03	0.13			
4103-0596A-FO	5/12/2009	Lead 214	8.92	26.80	0.79	0.12			
4103-0596A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.194	0.07			
4103-0596A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.015	0.048	U		
4103-0596A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.2	2	U		
4103-0596A-FO	5/12/2009	Radium (226)	2.90	4.70	0.71	0.19			
4103-0596A-FO	5/12/2009	Thorium 228	2.60	4.80	1.07	0.19			
4103-0596A-FO	5/12/2009	Thorium 229	5.06	15.20	0.3	1.2	U		
4103-0596A-FO	5/12/2009	Thorium 230	2.80	4.60	0.99	0.11			
4103-0596A-FO	5/12/2009	Thorium 232	2.10	3.50	0.96	0.11			
4103-0596A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.8	0.05			
4103-0596A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.01	0.45	U		
4103-0596A-FO	5/12/2009	Uranium 235	3.10	9.29	0.068	0.026	J		
4103-0596A-FO	5/12/2009	Uranium 238	2.2	4.2	1.3	1.9	U		
4103-0596A-FO	5/12/2009	Uranium 238	2.2	4.2	0.93	0.05			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0597A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.15	0.5	U		
4103-0597A-FO	5/12/2009	Actinium 228	1.93	5.80	0.15	0.28	U		
4103-0597A-FO	5/12/2009	Americium 241	63.00	189.00	0.053	0.15	U		
4103-0597A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.65	0.09			
4103-0597A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.011	0.041	U		
4103-0597A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.0007	0.077	U		
4103-0597A-FO	5/12/2009	Cesium 137	3.80	10.62	0.009	0.075	U		
4103-0597A-FO	5/12/2009	Cobalt 60	0.70	2.10	0	0.043	U		
4103-0597A-FO	5/12/2009	Lead 210	7.40	19.80	1.4	1.7	U		
4103-0597A-FO	5/12/2009	Lead 212	16.60	49.80	0.33	0.13			
4103-0597A-FO	5/12/2009	Lead 214	8.92	26.80	0.65	0.14			
4103-0597A-FO	5/12/2009	Plutonium 238	55.00	165.13	4.39	0.07			
4103-0597A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.025	0.038	U		
4103-0597A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.3	1.9	U		
4103-0597A-FO	5/12/2009	Radium (226)	2.90	4.70	0.65	0.09			
4103-0597A-FO	5/12/2009	Thorium 228	2.60	4.80	0.66	0.07			
4103-0597A-FO	5/12/2009	Thorium 229	5.06	15.20	-0.12	1	U		
4103-0597A-FO	5/12/2009	Thorium 230	2.80	4.60	0.83	0.06			
4103-0597A-FO	5/12/2009	Thorium 232	2.10	3.50	0.52	0.07			
4103-0597A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.65	0.03			
4103-0597A-FO	5/12/2009	Uranium 235	3.10	9.29	0.11	0.35	U		
4103-0597A-FO	5/12/2009	Uranium 235	3.10	9.29	0.048	0.026	J		
4103-0597A-FO	5/12/2009	Uranium 238	2.2	4.2	0.14	1.7	U		
4103-0597A-FO	5/12/2009	Uranium 238	2.2	4.2	0.66	0.04			
4103-0598A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.39	0.85	U		
4103-0598A-FO	5/12/2009	Actinium 228	1.93	5.80	1.16	0.28			
4103-0598A-FO	5/12/2009	Americium 241	63.00	189.00	0.05	0.21	U		
4103-0598A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.74	0.2			
4103-0598A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.017	0.073	U		
4103-0598A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.016	0.12	U		
4103-0598A-FO	5/12/2009	Cesium 137	3.80	10.62	0	0.087	U		
4103-0598A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.008	0.12	U		
4103-0598A-FO	5/12/2009	Lead 210	7.40	19.80	0.7	3.1	U		
4103-0598A-FO	5/12/2009	Lead 212	16.60	49.80	0.76	0.16			
4103-0598A-FO	5/12/2009	Lead 214	8.92	26.80	0.55	0.19			
4103-0598A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.022	0.008			
4103-0598A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0	0.015	U		
4103-0598A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.07	1.6	U		
4103-0598A-FO	5/12/2009	Radium (226)	2.90	4.70	0.74	0.2			
4103-0598A-FO	5/12/2009	Thorium 228	2.60	4.80	0.9	0.13			
4103-0598A-FO	5/12/2009	Thorium 229	5.06	15.20	-0.08	1.6	U		
4103-0598A-FO	5/12/2009	Thorium 230	2.80	4.60	0.77	0.08			
4103-0598A-FO	5/12/2009	Thorium 232	2.10	3.50	0.97	0.11			
4103-0598A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.6	0.05			
4103-0598A-FO	5/12/2009	Uranium 235	3.10	9.29	0.1	0.54	U		
4103-0598A-FO	5/12/2009	Uranium 235	3.10	9.29	0.007	0.04	U		
4103-0598A-FO	5/12/2009	Uranium 238	2.2	4.2	0.8	2.5	U		
4103-0598A-FO	5/12/2009	Uranium 238	2.2	4.2	0.78	0.04			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0599A-FO	5/12/2009	Actinium 227	4.60	13.61	0.05	1.7	U		
4103-0599A-FO	5/12/2009	Actinium 228	1.93	5.80	0.9	0.48			
4103-0599A-FO	5/12/2009	Americium 241	63.00	189.00	0.05	0.26	U		
4103-0599A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.81	0.18			
4103-0599A-FO	5/12/2009	Bismuth-207	1.20	3.60	-0.002	0.11	U		
4103-0599A-FO	5/12/2009	Bismuth-210M	8.30	24.90	-0.013	0.15	U		
4103-0599A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.02	0.15	U		
4103-0599A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.002	0.16	U		
4103-0599A-FO	5/12/2009	Lead 210	7.40	19.80	0.7	3.2	U		
4103-0599A-FO	5/12/2009	Lead 212	16.60	49.80	0.89	0.16			
4103-0599A-FO	5/12/2009	Lead 214	8.92	26.80	0.67	0.19			
4103-0599A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.65	0.06			
4103-0599A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.009	0.026	U		
4103-0599A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.01	2.6	U		
4103-0599A-FO	5/12/2009	Radium (226)	2.90	4.70	0.81	0.18			
4103-0599A-FO	5/12/2009	Thorium 228	2.60	4.80	1.12	0.14			
4103-0599A-FO	5/12/2009	Thorium 229	5.06	15.20	-0.12	1	U		
4103-0599A-FO	5/12/2009	Thorium 230	2.80	4.60	0.83	0.15			
4103-0599A-FO	5/12/2009	Thorium 232	2.10	3.50	1	0.1			
4103-0599A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.73	0.08			
4103-0599A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.04	0.55	U		
4103-0599A-FO	5/12/2009	Uranium 235	3.10	9.29	0.025	0.042	U		
4103-0599A-FO	5/12/2009	Uranium 238	2.2	4.2	0.3	2.3	U		
4103-0599A-FO	5/12/2009	Uranium 238	2.2	4.2	0.63	0.06			
4103-0600A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.006	0.48	U		
4103-0600A-FO	5/12/2009	Actinium 228	1.93	5.80	0.53	0.42			
4103-0600A-FO	5/12/2009	Americium 241	63.00	189.00	0.02	0.24	U		
4103-0600A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.99	0.12			
4103-0600A-FO	5/12/2009	Bismuth-207	1.20	3.60	0.013	0.093	U		
4103-0600A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.026	0.11	U		
4103-0600A-FO	5/12/2009	Cesium 137	3.80	10.62	-0.005	0.13	U		
4103-0600A-FO	5/12/2009	Cobalt 60	0.70	2.10	-0.002	0.1	U		
4103-0600A-FO	5/12/2009	Lead 210	7.40	19.80	2.1	2.5	U		
4103-0600A-FO	5/12/2009	Lead 212	16.60	49.80	0.84	0.11			
4103-0600A-FO	5/12/2009	Lead 214	8.92	26.80	0.79	0.1			
4103-0600A-FO	5/12/2009	Plutonium 238	55.00	165.13	0.97	0.07			
4103-0600A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0.009	0.058	U		
4103-0600A-FO	5/12/2009	Protactinium 231	4.00	11.81	0	2.5	U		
4103-0600A-FO	5/12/2009	Radium (226)	2.90	4.70	0.99	0.12			
4103-0600A-FO	5/12/2009	Thorium 228	2.60	4.80	0.82	0.16			
4103-0600A-FO	5/12/2009	Thorium 229	5.06	15.20	-0.03	0.91	U		
4103-0600A-FO	5/12/2009	Thorium 230	2.80	4.60	0.85	0.15			
4103-0600A-FO	5/12/2009	Thorium 232	2.10	3.50	0.87	0.11			
4103-0600A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.64	0.06			
4103-0600A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.04	0.5	U		
4103-0600A-FO	5/12/2009	Uranium 235	3.10	9.29	0.028	0.06	U		
4103-0600A-FO	5/12/2009	Uranium 238	2.2	4.2	0.1	2.4	U		
4103-0600A-FO	5/12/2009	Uranium 238	2.2	4.2	0.83	0.07			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4103-0601A-FO	5/12/2009	Actinium 227	4.60	13.61	-0.17	0.57	U		
4103-0601A-FO	5/12/2009	Actinium 228	1.93	5.80	0.98	0.13			
4103-0601A-FO	5/12/2009	Americium 241	63.00	189.00	-0.06	0.24	U		
4103-0601A-FO	5/12/2009	Bismuth 214	1.17	3.51	0.72	0.06			
4103-0601A-FO	5/12/2009	Bismuth-207	1.20	3.60	-0.000002	0.061	U		
4103-0601A-FO	5/12/2009	Bismuth-210M	8.30	24.90	0.005	0.1	U		
4103-0601A-FO	5/12/2009	Cesium 137	3.80	10.62	0.034	0.077	U		
4103-0601A-FO	5/12/2009	Cobalt 60	0.70	2.10	0	0.052	U		
4103-0601A-FO	5/12/2009	Lead 210	7.40	19.80	0.8	2.3	U		
4103-0601A-FO	5/12/2009	Lead 212	16.60	49.80	0.64	0.13			
4103-0601A-FO	5/12/2009	Lead 214	8.92	26.80	0.69	0.15			
4103-0601A-FO	5/12/2009	Plutonium 238	55.00	165.13	1.25	0.04			
4103-0601A-FO	5/12/2009	Plutonium 239/40	62.00	181.00	0	0.045	U		
4103-0601A-FO	5/12/2009	Protactinium 231	4.00	11.81	-0.2	2.2	U		
4103-0601A-FO	5/12/2009	Radium (226)	2.90	4.70	0.72	0.06			
4103-0601A-FO	5/12/2009	Thorium 228	2.60	4.80	0.81	0.1			
4103-0601A-FO	5/12/2009	Thorium 229	5.06	15.20	0.07	1.1	U		
4103-0601A-FO	5/12/2009	Thorium 230	2.80	4.60	0.7	0.11			
4103-0601A-FO	5/12/2009	Thorium 232	2.10	3.50	0.83	0.11			
4103-0601A-FO	5/12/2009	Uranium 233/234	2.00	14.50	0.68	0.07			
4103-0601A-FO	5/12/2009	Uranium 235	3.10	9.29	-0.02	0.48	U		
4103-0601A-FO	5/12/2009	Uranium 235	3.10	9.29	0.049	0.027	J		
4103-0601A-FO	5/12/2009	Uranium 238	2.2	4.2	1	2.2	U		
4103-0601A-FO	5/12/2009	Uranium 238	2.2	4.2	0.7	0.05			

CO	Cleanup Objective
HS	Hot Spot Criteria
A-FO	MARSSIM location - original
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit
J	The associated numerical value is an estimated quantity

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0480A-HO	4/14/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.7		
4103-0480A-HO	4/14/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.7		
4103-0480A-HO	4/14/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.7		
4103-0480A-HO	4/14/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.7		
4103-0480A-HO	4/14/2009	Aroclor 1248	44711.09	14903.70	89		38	3.7		
4103-0480A-HO	4/14/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0480A-HO	4/14/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		
4103-0481A-HO	4/14/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.7		
4103-0481A-HO	4/14/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.7		
4103-0481A-HO	4/14/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.7		
4103-0481A-HO	4/14/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.7		
4103-0481A-HO	4/14/2009	Aroclor 1248	44711.09	14903.70	220		38	3.7		
4103-0481A-HO	4/14/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0481A-HO	4/14/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		
4103-0482A-HO	4/14/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.8		
4103-0482A-HO	4/14/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.8		
4103-0482A-HO	4/14/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.8		
4103-0482A-HO	4/14/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.8		
4103-0482A-HO	4/14/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.8		
4103-0482A-HO	4/14/2009	Aroclor 1254	102711.09	62258.33	38	U	38	3		
4103-0482A-HO	4/14/2009	Aroclor 1260	44711.09	14903.70	38	U	38	3		
4103-0483A-HO	4/14/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.7		
4103-0483A-HO	4/14/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.7		
4103-0483A-HO	4/14/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.7		
4103-0483A-HO	4/14/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.7		
4103-0483A-HO	4/14/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.7		
4103-0483A-HO	4/14/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0483A-HO	4/14/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		
4103-0484A-HO	4/14/2009	Aroclor 1016	44711.09	14904.17	360	U	360	36		
4103-0484A-HO	4/14/2009	Aroclor 1221	44711.09	14903.70	360	U	360	36		
4103-0484A-HO	4/14/2009	Aroclor 1232	44711.09	14903.70	360	U	360	36		
4103-0484A-HO	4/14/2009	Aroclor 1242	44711.09	14903.70	360	U	360	36		
4103-0484A-HO	4/14/2009	Aroclor 1248	44711.09	14903.70	1200	D	360	36		
4103-0484A-HO	4/14/2009	Aroclor 1254	102711.09	62258.33	360	U	360	28		
4103-0484A-HO	4/14/2009	Aroclor 1260	44711.09	14903.70	360	U	360	28		
4103-0485A-HO	4/14/2009	Aroclor 1016	44711.09	14904.17	370	U	370	36		
4103-0485A-HO	4/14/2009	Aroclor 1221	44711.09	14903.70	370	U	370	36		
4103-0485A-HO	4/14/2009	Aroclor 1232	44711.09	14903.70	370	U	370	36		
4103-0485A-HO	4/14/2009	Aroclor 1242	44711.09	14903.70	370	U	370	36		
4103-0485A-HO	4/14/2009	Aroclor 1248	44711.09	14903.70	720	D	370	36		
4103-0485A-HO	4/14/2009	Aroclor 1254	102711.09	62258.33	370	U	370	28		
4103-0485A-HO	4/14/2009	Aroclor 1260	44711.09	14903.70	370	U	370	28		
4103-0486A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0486A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0486A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0486A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0486A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0486A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0486A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0487A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0487A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0487A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0487A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0487A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0487A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0487A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0488A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.7		
4103-0488A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.7		
4103-0488A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.7		
4103-0488A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.7		
4103-0488A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.7		
4103-0488A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0488A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0489A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0489A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0489A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0489A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0489A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0489A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0489A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0490A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0490A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0490A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0490A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0490A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0490A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0490A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0491A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0491A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0491A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0491A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0491A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0491A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0491A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0492A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0492A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0492A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0492A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0492A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0492A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0492A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0493A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	36	U	36	3.6		
4103-0493A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	36	U	36	3.6		
4103-0493A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	36	U	36	3.6		
4103-0493A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	36	U	36	3.6		
4103-0493A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	380		36	3.6		
4103-0493A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	36	U	36	2.8		
4103-0493A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	36	U	36	2.8		
4103-0495A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	37	U	37	3.7		
4103-0495A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	37	U	37	3.7		
4103-0495A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	37	U	37	3.7		
4103-0495A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	37	U	37	3.7		
4103-0495A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	37	U	37	3.7		
4103-0495A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	37	U	37	2.9		
4103-0495A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	37	U	37	2.9		
4103-0496A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0496A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0496A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0496A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0496A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	94		39	3.8		
4103-0496A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0496A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0497A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.7		
4103-0497A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.7		
4103-0497A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.7		
4103-0497A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.7		
4103-0497A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	51		38	3.7		
4103-0497A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0497A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		
4103-0498A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	35	U	35	3.5		
4103-0498A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	35	U	35	3.5		
4103-0498A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	35	U	35	3.5		
4103-0498A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	35	U	35	3.5		
4103-0498A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	35	U	35	3.5		
4103-0498A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	35	U	35	2.7		
4103-0498A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	35	U	35	2.7		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0499A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	37	U	37	3.7		
4103-0499A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	37	U	37	3.7		
4103-0499A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	37	U	37	3.7		
4103-0499A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	37	U	37	3.7		
4103-0499A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	37	U	37	3.7		
4103-0499A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	37	U	37	2.9		
4103-0499A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	37	U	37	2.9		
4103-0500A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0500A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0500A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0500A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0500A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0500A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0500A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0501A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	40	U	40	4		
4103-0501A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	40	U	40	4		
4103-0501A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	40	U	40	4		
4103-0501A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	40	U	40	4		
4103-0501A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	40	U	40	4		
4103-0501A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0501A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0502A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0502A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0502A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0502A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0502A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0502A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0502A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0503A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0503A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0503A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0503A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0503A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0503A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0503A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0504A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.8		
4103-0504A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.8		
4103-0504A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.8		
4103-0504A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.8		
4103-0504A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.8		
4103-0504A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0504A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		
4103-0505A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.8		
4103-0505A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.8		
4103-0505A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.8		
4103-0505A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.8		
4103-0505A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.8		
4103-0505A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	38	U	38	3		
4103-0505A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	38	U	38	3		
4103-0506A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0506A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0506A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0506A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0506A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0506A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	5.4	J	39	3		
4103-0506A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0507A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.8		
4103-0507A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.8		
4103-0507A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.8		
4103-0507A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.8		
4103-0507A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.8		
4103-0507A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	1300	PG	38	3		
4103-0507A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	38	U	38	3		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0508A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	37	U	37	3.7		
4103-0508A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	37	U	37	3.7		
4103-0508A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	37	U	37	3.7		
4103-0508A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	37	U	37	3.7		
4103-0508A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	150		37	3.7		
4103-0508A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	37	U	37	2.9		
4103-0508A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	37	U	37	2.9		
4103-0509A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.7		
4103-0509A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.7		
4103-0509A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.7		
4103-0509A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.7		
4103-0509A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	17	J	38	3.7		
4103-0509A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0509A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		
4103-0510A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4.1		
4103-0510A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4.1		
4103-0510A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4.1		
4103-0510A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4.1		
4103-0510A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4.1		
4103-0510A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	80		41	3.2		
4103-0510A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.2		
4103-0511A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0511A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0511A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0511A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0511A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0511A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0511A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0512A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0512A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0512A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0512A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0512A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0512A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0512A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0513A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0513A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0513A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0513A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0513A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0513A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0513A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0514A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0514A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0514A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0514A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0514A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0514A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0514A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0515A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	40	U	40	4		
4103-0515A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	40	U	40	4		
4103-0515A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	40	U	40	4		
4103-0515A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	40	U	40	4		
4103-0515A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	40	U	40	4		
4103-0515A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0515A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0516A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0516A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0516A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0516A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0516A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0516A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0516A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0517A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0517A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0517A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0517A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0517A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0517A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0517A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0518A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	37	U	37	3.7		
4103-0518A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	37	U	37	3.7		
4103-0518A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	37	U	37	3.7		
4103-0518A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	37	U	37	3.7		
4103-0518A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	37	U	37	3.7		
4103-0518A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	37	U	37	2.9		
4103-0518A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	37	U	37	2.9		
4103-0519A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0519A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0519A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0519A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0519A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0519A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	350	PG	40	3.1		
4103-0519A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0520A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	40	U	40	4		
4103-0520A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	40	U	40	4		
4103-0520A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	40	U	40	4		
4103-0520A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	40	U	40	4		
4103-0520A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	34	J	40	4		
4103-0520A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0520A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0521A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	36	U	36	3.5		
4103-0521A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	36	U	36	3.5		
4103-0521A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	36	U	36	3.5		
4103-0521A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	36	U	36	3.5		
4103-0521A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	160		36	3.5		
4103-0521A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	36	U	36	2.8		
4103-0521A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	36	U	36	2.8		
4103-0522A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0522A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0522A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0522A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0522A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0522A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0522A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0523A-HO	4/9/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4.1		
4103-0523A-HO	4/9/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4.1		
4103-0523A-HO	4/9/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4.1		
4103-0523A-HO	4/9/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4.1		
4103-0523A-HO	4/9/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4.1		
4103-0523A-HO	4/9/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.2		
4103-0523A-HO	4/9/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.2		
4103-0524A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0524A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0524A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0524A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0524A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0524A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0524A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0525A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.7		
4103-0525A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.7		
4103-0525A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.7		
4103-0525A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.7		
4103-0525A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.7		
4103-0525A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0525A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0526A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0526A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0526A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0526A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0526A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	10	J	40	3.9		
4103-0526A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3		
4103-0526A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3		
4103-0527A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0527A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0527A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0527A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0527A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0527A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0527A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0528A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0528A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0528A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0528A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4		
4103-0528A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4		
4103-0528A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.1		
4103-0528A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.1		
4103-0529A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0529A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0529A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0529A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0529A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0529A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0529A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0530A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0530A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0530A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0530A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4		
4103-0530A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4		
4103-0530A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.1		
4103-0530A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.1		
4103-0531A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4.1		
4103-0531A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4.1		
4103-0531A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4.1		
4103-0531A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4.1		
4103-0531A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4.1		
4103-0531A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.2		
4103-0531A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.2		
4103-0532A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.7		
4103-0532A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.7		
4103-0532A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.7		
4103-0532A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.7		
4103-0532A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	220		38	3.7		
4103-0532A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0532A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		
4103-0533A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0533A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0533A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0533A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4		
4103-0533A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	13	J	41	4		
4103-0533A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.1		
4103-0533A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.1		
4103-0534A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0534A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0534A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0534A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0534A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0534A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0534A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0535A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.8		
4103-0535A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.8		
4103-0535A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.8		
4103-0535A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.8		
4103-0535A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.8		
4103-0535A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	38	U	38	3		
4103-0535A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	38	U	38	3		
4103-0536A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0536A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0536A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0536A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0536A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0536A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0536A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0537A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0537A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0537A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0537A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0537A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0537A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0537A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0538A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0538A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0538A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0538A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0538A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0538A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0538A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0539A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0539A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0539A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0539A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0539A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0539A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0539A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0540A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0540A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0540A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0540A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0540A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0540A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	31	J PG	39	3		
4103-0540A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0541A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0541A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0541A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0541A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4		
4103-0541A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4		
4103-0541A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	8.7	J	41	3.1		
4103-0541A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.1		
4103-0542A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0542A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0542A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0542A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4		
4103-0542A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4		
4103-0542A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	4.1	J	41	3.1		
4103-0542A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.1		
4103-0543A-HO	4/21/2009	Aroclor 1016	44711.09	14904.17	42	U	42	4.2		
4103-0543A-HO	4/21/2009	Aroclor 1221	44711.09	14903.70	42	U	42	4.2		
4103-0543A-HO	4/21/2009	Aroclor 1232	44711.09	14903.70	42	U	42	4.2		
4103-0543A-HO	4/21/2009	Aroclor 1242	44711.09	14903.70	42	U	42	4.2		
4103-0543A-HO	4/21/2009	Aroclor 1248	44711.09	14903.70	42	U	42	4.2		
4103-0543A-HO	4/21/2009	Aroclor 1254	102711.09	62258.33	42	U	42	3.2		
4103-0543A-HO	4/21/2009	Aroclor 1260	44711.09	14903.70	42	U	42	3.2		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0544A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0544A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0544A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0544A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0544A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	55		40	3.9		
4103-0544A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3		
4103-0544A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3		
4103-0545A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.8		
4103-0545A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.8		
4103-0545A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.8		
4103-0545A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.8		
4103-0545A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	390		38	3.8		
4103-0545A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0545A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		
4103-0546A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0546A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0546A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0546A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4		
4103-0546A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4		
4103-0546A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.1		
4103-0546A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.1		
4103-0547A-HO	4/21/2009	Aroclor 1016	44711.09	14904.17	42	U	42	4.2		
4103-0547A-HO	4/21/2009	Aroclor 1221	44711.09	14903.70	42	U	42	4.2		
4103-0547A-HO	4/21/2009	Aroclor 1232	44711.09	14903.70	42	U	42	4.2		
4103-0547A-HO	4/21/2009	Aroclor 1242	44711.09	14903.70	42	U	42	4.2		
4103-0547A-HO	4/21/2009	Aroclor 1248	44711.09	14903.70	42	U	42	4.2		
4103-0547A-HO	4/21/2009	Aroclor 1254	102711.09	62258.33	42	U	42	3.3		
4103-0547A-HO	4/21/2009	Aroclor 1260	44711.09	14903.70	42	U	42	3.3		
4103-0548A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4.1		
4103-0548A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4.1		
4103-0548A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4.1		
4103-0548A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4.1		
4103-0548A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4.1		
4103-0548A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.2		
4103-0548A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.2		
4103-0549A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0549A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0549A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0549A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0549A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0549A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0549A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0550A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0550A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0550A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0550A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0550A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	440		39	3.9		
4103-0550A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0550A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	180		39	3		
4103-0551A-HO	4/21/2009	Aroclor 1016	44711.09	14904.17	42	U	42	4.1		
4103-0551A-HO	4/21/2009	Aroclor 1221	44711.09	14903.70	42	U	42	4.1		
4103-0551A-HO	4/21/2009	Aroclor 1232	44711.09	14903.70	42	U	42	4.1		
4103-0551A-HO	4/21/2009	Aroclor 1242	44711.09	14903.70	42	U	42	4.1		
4103-0551A-HO	4/21/2009	Aroclor 1248	44711.09	14903.70	42	U	42	4.1		
4103-0551A-HO	4/21/2009	Aroclor 1254	102711.09	62258.33	42	U	42	3.2		
4103-0551A-HO	4/21/2009	Aroclor 1260	44711.09	14903.70	42	U	42	3.2		
4103-0552A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.8		
4103-0552A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.8		
4103-0552A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.8		
4103-0552A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.8		
4103-0552A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.8		
4103-0552A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	380		38	2.9		
4103-0552A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0553A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	42	U	42	4.1		
4103-0553A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	42	U	42	4.1		
4103-0553A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	42	U	42	4.1		
4103-0553A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	42	U	42	4.1		
4103-0553A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	42	U	42	4.1		
4103-0553A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	42	U	42	3.2		
4103-0553A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	42	U	42	3.2		
4103-0554A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	42	U	42	4.1		
4103-0554A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	42	U	42	4.1		
4103-0554A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	42	U	42	4.1		
4103-0554A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	42	U	42	4.1		
4103-0554A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	42	U	42	4.1		
4103-0554A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	42	U	42	3.2		
4103-0554A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	42	U	42	3.2		
4103-0555A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0555A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0555A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0555A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4		
4103-0555A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4		
4103-0555A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.1		
4103-0555A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.1		
4103-0556A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0556A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0556A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0556A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0556A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	170		39	3.8		
4103-0556A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0556A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0557A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.7		
4103-0557A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.7		
4103-0557A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.7		
4103-0557A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.7		
4103-0557A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.7		
4103-0557A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0557A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		
4103-0558A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0558A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0558A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0558A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0558A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0558A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0558A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0559A-HO	4/21/2009	Aroclor 1016	44711.09	14904.17	42	U	42	4.1		
4103-0559A-HO	4/21/2009	Aroclor 1221	44711.09	14903.70	42	U	42	4.1		
4103-0559A-HO	4/21/2009	Aroclor 1232	44711.09	14903.70	42	U	42	4.1		
4103-0559A-HO	4/21/2009	Aroclor 1242	44711.09	14903.70	42	U	42	4.1		
4103-0559A-HO	4/21/2009	Aroclor 1248	44711.09	14903.70	42	U	42	4.1		
4103-0559A-HO	4/21/2009	Aroclor 1254	102711.09	62258.33	42	U	42	3.2		
4103-0559A-HO	4/21/2009	Aroclor 1260	44711.09	14903.70	42	U	42	3.2		
4103-0560A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0560A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0560A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0560A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4		
4103-0560A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	28	J	41	4		
4103-0560A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.2		
4103-0560A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.2		
4103-0561A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0561A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0561A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0561A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0561A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0561A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0561A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0562A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0562A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0562A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0562A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4		
4103-0562A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	1600		41	4		
4103-0562A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.1		
4103-0562A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.1		
4103-0563A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0563A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0563A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0563A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0563A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0563A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3		
4103-0563A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3		
4103-0564A-HO	4/21/2009	Aroclor 1016	44711.09	14904.17	43	U	43	4.3		
4103-0564A-HO	4/21/2009	Aroclor 1221	44711.09	14903.70	43	U	43	4.3		
4103-0564A-HO	4/21/2009	Aroclor 1232	44711.09	14903.70	43	U	43	4.3		
4103-0564A-HO	4/21/2009	Aroclor 1242	44711.09	14903.70	43	U	43	4.3		
4103-0564A-HO	4/21/2009	Aroclor 1248	44711.09	14903.70	43	U	43	4.3		
4103-0564A-HO	4/21/2009	Aroclor 1254	102711.09	62258.33	8.7	J	43	3.3		
4103-0564A-HO	4/21/2009	Aroclor 1260	44711.09	14903.70	43	U	43	3.3		
4103-0565A-HO	4/21/2009	Aroclor 1016	44711.09	14904.17	42	U	42	4.1		
4103-0565A-HO	4/21/2009	Aroclor 1221	44711.09	14903.70	42	U	42	4.1		
4103-0565A-HO	4/21/2009	Aroclor 1232	44711.09	14903.70	42	U	42	4.1		
4103-0565A-HO	4/21/2009	Aroclor 1242	44711.09	14903.70	42	U	42	4.1		
4103-0565A-HO	4/21/2009	Aroclor 1248	44711.09	14903.70	42	U	42	4.1		
4103-0565A-HO	4/21/2009	Aroclor 1254	102711.09	62258.33	42	U	42	3.2		
4103-0565A-HO	4/21/2009	Aroclor 1260	44711.09	14903.70	42	U	42	3.2		
4103-0566A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0566A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0566A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0566A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0566A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0566A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	4.6	J	40	3.1		
4103-0566A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0567A-HO	4/21/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4.1		
4103-0567A-HO	4/21/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4.1		
4103-0567A-HO	4/21/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4.1		
4103-0567A-HO	4/21/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4.1		
4103-0567A-HO	4/21/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4.1		
4103-0567A-HO	4/21/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.2		
4103-0567A-HO	4/21/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.2		
4103-0568A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	37	U	37	3.6		
4103-0568A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	37	U	37	3.6		
4103-0568A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	37	U	37	3.6		
4103-0568A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	37	U	37	3.6		
4103-0568A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	49		37	3.6		
4103-0568A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	37	U	37	2.8		
4103-0568A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	37	U	37	2.8		
4103-0569A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	37	U	37	3.7		
4103-0569A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	37	U	37	3.7		
4103-0569A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	37	U	37	3.7		
4103-0569A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	37	U	37	3.7		
4103-0569A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	37	U	37	3.7		
4103-0569A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	37	U	37	2.9		
4103-0569A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	37	U	37	2.9		
4103-0570A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	37	U	37	3.6		
4103-0570A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	37	U	37	3.6		
4103-0570A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	37	U	37	3.6		
4103-0570A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	37	U	37	3.6		
4103-0570A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	37	U	37	3.6		
4103-0570A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	37	U	37	2.8		
4103-0570A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	37	U	37	2.8		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0571A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0571A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0571A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0571A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0571A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0571A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0571A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0572A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0572A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0572A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0572A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0572A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0572A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0572A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0573A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.8		
4103-0573A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.8		
4103-0573A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.8		
4103-0573A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.8		
4103-0573A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.8		
4103-0573A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0573A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0574A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0574A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0574A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0574A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0574A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0574A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0574A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0575A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	42	U	42	4.1		
4103-0575A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	42	U	42	4.1		
4103-0575A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	42	U	42	4.1		
4103-0575A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	42	U	42	4.1		
4103-0575A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	42	U	42	4.1		
4103-0575A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	42	U	42	3.2		
4103-0575A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	42	U	42	3.2		
4103-0576A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0576A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0576A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0576A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0576A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	26	J	39	3.9		
4103-0576A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0576A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		
4103-0577A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.8		
4103-0577A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.8		
4103-0577A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.8		
4103-0577A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.8		
4103-0577A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	36	J	38	3.8		
4103-0577A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	38	U	38	3		
4103-0577A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	38	U	38	3		
4103-0578A-HO	4/8/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0578A-HO	4/8/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0578A-HO	4/8/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0578A-HO	4/8/2009	Aroclor 1242	44711.09	14903.70	1000		41	4		
4103-0578A-HO	4/8/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4		
4103-0578A-HO	4/8/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.1		
4103-0578A-HO	4/8/2009	Aroclor 1260	44711.09	14903.70	130		41	3.1		
4103-0579B-HO	4/20/2009	Aroclor 1016	44711.09	14904.17	42	U	42	4.1		
4103-0579B-HO	4/20/2009	Aroclor 1221	44711.09	14903.70	42	U	42	4.1		
4103-0579B-HO	4/20/2009	Aroclor 1232	44711.09	14903.70	42	U	42	4.1		
4103-0579B-HO	4/20/2009	Aroclor 1242	44711.09	14903.70	42	U	42	4.1		
4103-0579B-HO	4/20/2009	Aroclor 1248	44711.09	14903.70	42	U	42	4.1		
4103-0579B-HO	4/20/2009	Aroclor 1254	102711.09	62258.33	42	U	42	3.2		
4103-0579B-HO	4/20/2009	Aroclor 1260	44711.09	14903.70	42	U	42	3.2		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0580A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0580A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0580A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0580A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0580A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0580A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0580A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0581A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0581A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0581A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0581A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0581A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0581A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0581A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0582A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0582A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0582A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0582A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0582A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0582A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0582A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0583A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	38	U	38	3.8		
4103-0583A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	38	U	38	3.8		
4103-0583A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	38	U	38	3.8		
4103-0583A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	38	U	38	3.8		
4103-0583A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	38	U	38	3.8		
4103-0583A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	38	U	38	2.9		
4103-0583A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	38	U	38	2.9		
4103-0584A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	40	U	40	4		
4103-0584A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	40	U	40	4		
4103-0584A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	40	U	40	4		
4103-0584A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	40	U	40	4		
4103-0584A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	40	U	40	4		
4103-0584A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0584A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0585A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	40	U	40	3.9		
4103-0585A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	40	U	40	3.9		
4103-0585A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	40	U	40	3.9		
4103-0585A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	40	U	40	3.9		
4103-0585A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	40	U	40	3.9		
4103-0585A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0585A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0586A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	39	U	39	3.9		
4103-0586A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	39	U	39	3.9		
4103-0586A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	39	U	39	3.9		
4103-0586A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	39	U	39	3.9		
4103-0586A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	39	U	39	3.9		
4103-0586A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	39	U	39	3		
4103-0586A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	39	U	39	3		

SAMPLE ID	SAMPLE DATE	ANALYTE	HS ug/kg	CO ug/kg	RESULT ug/kg	Lab qualifier	Reporting Limit	MDL ug/kg		Greater than CO?
4103-0587A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	40	U	40	4		
4103-0587A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	40	U	40	4		
4103-0587A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	40	U	40	4		
4103-0587A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	40	U	40	4		
4103-0587A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	40	U	40	4		
4103-0587A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	40	U	40	3.1		
4103-0587A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	40	U	40	3.1		
4103-0588A-HO	4/7/2009	Aroclor 1016	44711.09	14904.17	41	U	41	4		
4103-0588A-HO	4/7/2009	Aroclor 1221	44711.09	14903.70	41	U	41	4		
4103-0588A-HO	4/7/2009	Aroclor 1232	44711.09	14903.70	41	U	41	4		
4103-0588A-HO	4/7/2009	Aroclor 1242	44711.09	14903.70	41	U	41	4		
4103-0588A-HO	4/7/2009	Aroclor 1248	44711.09	14903.70	41	U	41	4		
4103-0588A-HO	4/7/2009	Aroclor 1254	102711.09	62258.33	41	U	41	3.1		
4103-0588A-HO	4/7/2009	Aroclor 1260	44711.09	14903.70	41	U	41	3.1		
CO	Cleanup Objective									
HS	Hot Spot Criteria									
MDL	Minimum Detectable Limit									
A-HO	Hot Spot location - original									
"X"-HO	Hot Spot Location - Remediate and Resample (ie. B, C, etc.)									
FLAGS:										
D	Identified using a secondary dilution factor.									
J	Estimated results. Result is less than Reporting Limit									
PG	The percent difference between the original and confirmation is greater than 40%									
U	The compound was analyzed for but not detected.									

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0602A-HO	3/30/2009	Actinium-227	4.60	13.61	0.10	0.21	U		
4104-0602A-HO	3/30/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4104-0602A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4104-0602A-HO	3/30/2009	Cesium-137	3.80	10.62	0.01	0.03	U		
4104-0602A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4104-0602A-HO	3/30/2009	Lead-210	7.40	19.80	0.36	0.49	U		
4104-0602A-HO	3/30/2009	Plutonium-238	55.00	165.13	0.00	5.32	U		
4104-0602A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.35	1.14	U		
4104-0602A-HO	3/30/2009	Radium-226	2.90	4.70	0.47	0.09			
4104-0602A-HO	3/30/2009	Thorium-230	2.80	4.60	0.67	5.21	U		
4104-0602A-HO	3/30/2009	Thorium-232	2.10	3.50	0.28	0.14			
4104-0602A-HO	3/30/2009	Uranium-238	2.20	4.20	0.50	0.33			
4104-0603A-HO	3/30/2009	Actinium-227	4.60	13.61	0.12	0.22	U		
4104-0603A-HO	3/30/2009	Americium-241	63.00	189.00	0.03	0.06	U		
4104-0603A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4104-0603A-HO	3/30/2009	Cesium-137	3.80	10.62	0.01	0.03	U		
4104-0603A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0603A-HO	3/30/2009	Lead-210	7.40	19.80	0.42	0.53	U		
4104-0603A-HO	3/30/2009	Plutonium-238	55.00	165.13	1.42	4.84	U		
4104-0603A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.37	1.36	U		
4104-0603A-HO	3/30/2009	Radium-226	2.90	4.70	0.52	0.09			
4104-0603A-HO	3/30/2009	Thorium-230	2.80	4.60	0.00	5.67	U		
4104-0603A-HO	3/30/2009	Thorium-232	2.10	3.50	0.53	0.11			
4104-0603A-HO	3/30/2009	Uranium-238	2.20	4.20	0.42	0.33			
4104-0604A-HO	3/30/2009	Actinium-227	4.60	13.61	0.00	0.34	U		
4104-0604A-HO	3/30/2009	Americium-241	63.00	189.00	0.03	0.08	U		
4104-0604A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4104-0604A-HO	3/30/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0604A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0604A-HO	3/30/2009	Lead-210	7.40	19.80	0.77	0.66			
4104-0604A-HO	3/30/2009	Plutonium-238	55.00	165.13	0.00	7.29	U		
4104-0604A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.77	1.73	U		
4104-0604A-HO	3/30/2009	Radium-226	2.90	4.70	0.67	0.11			
4104-0604A-HO	3/30/2009	Thorium-230	2.80	4.60	3.29	7.33	U		
4104-0604A-HO	3/30/2009	Thorium-232	2.10	3.50	0.85	0.21			
4104-0604A-HO	3/30/2009	Uranium-238	2.20	4.20	0.96	0.47			
4104-0605A-HO	3/30/2009	Actinium-227	4.60	13.61	0.00	0.27	U		
4104-0605A-HO	3/30/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4104-0605A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4104-0605A-HO	3/30/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4104-0605A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.02	0.05	U		
4104-0605A-HO	3/30/2009	Lead-210	7.40	19.80	0.47	0.57	U		
4104-0605A-HO	3/30/2009	Plutonium-238	55.00	165.13	0.09	6.18	U		
4104-0605A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.75	1.31	U		
4104-0605A-HO	3/30/2009	Radium-226	2.90	4.70	0.44	0.11			
4104-0605A-HO	3/30/2009	Thorium-230	2.80	4.60	0.16	5.96	U		
4104-0605A-HO	3/30/2009	Thorium-232	2.10	3.50	0.52	0.14			
4104-0605A-HO	3/30/2009	Uranium-238	2.20	4.20	0.62	0.36			
4104-0606A-HO	3/30/2009	Actinium-227	4.60	13.61	0.19	0.26	U		
4104-0606A-HO	3/30/2009	Americium-241	63.00	189.00	0.05	0.06	U		
4104-0606A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4104-0606A-HO	3/30/2009	Cesium-137	3.80	10.62	0.00	0.05	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0606A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0606A-HO	3/30/2009	Lead-210	7.40	19.80	0.78	0.58			
4104-0606A-HO	3/30/2009	Plutonium-238	55.00	165.13	0.00	6.23	U		
4104-0606A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.75	1.42	U		
4104-0606A-HO	3/30/2009	Radium-226	2.90	4.70	0.53	0.10			
4104-0606A-HO	3/30/2009	Thorium-230	2.80	4.60	3.09	5.83	U		
4104-0606A-HO	3/30/2009	Thorium-232	2.10	3.50	0.40	0.15			
4104-0606A-HO	3/30/2009	Uranium-238	2.20	4.20	0.85	0.35			
4104-0607A-HO	3/30/2009	Actinium-227	4.60	13.61	0.04	0.30	U		
4104-0607A-HO	3/30/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0607A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0607A-HO	3/30/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0607A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0607A-HO	3/30/2009	Lead-210	7.40	19.80	0.42	0.68	U		
4104-0607A-HO	3/30/2009	Plutonium-238	55.00	165.13	0.67	6.30	U		
4104-0607A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.00	1.78	U		
4104-0607A-HO	3/30/2009	Radium-226	2.90	4.70	0.55	0.09			
4104-0607A-HO	3/30/2009	Thorium-230	2.80	4.60	3.30	6.57	U		
4104-0607A-HO	3/30/2009	Thorium-232	2.10	3.50	0.76	0.17			
4104-0607A-HO	3/30/2009	Uranium-238	2.20	4.20	0.72	0.45			
4104-0608A-HO	3/30/2009	Actinium-227	4.60	13.61	0.05	0.31	U		
4104-0608A-HO	3/30/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4104-0608A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0608A-HO	3/30/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0608A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0608A-HO	3/30/2009	Lead-210	7.40	19.80	0.26	0.68	U		
4104-0608A-HO	3/30/2009	Plutonium-238	55.00	165.13	0.00	6.89	U		
4104-0608A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.06	1.71	U		
4104-0608A-HO	3/30/2009	Radium-226	2.90	4.70	0.63	0.10			
4104-0608A-HO	3/30/2009	Thorium-230	2.80	4.60	0.00	7.09	U		
4104-0608A-HO	3/30/2009	Thorium-232	2.10	3.50	0.60	0.22			
4104-0608A-HO	3/30/2009	Uranium-238	2.20	4.20	0.58	0.43			
4104-0609B-HO	4/20/2009	Actinium-227	4.60	13.61	0.00	0.29	U		
4104-0609B-HO	4/20/2009	Americium-241	63.00	189.00	0.06	0.06	U		
4104-0609B-HO	4/20/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4104-0609B-HO	4/20/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0609B-HO	4/20/2009	Cobalt-60	0.70	2.10	0.03	0.03	U		
4104-0609B-HO	4/20/2009	Lead-210	7.40	19.80	0.05	0.61	U		
4104-0609B-HO	4/20/2009	Plutonium-238	55.00	165.13	0.00	6.09	U		
4104-0609B-HO	4/20/2009	Protactinium-231	4.00	11.81	0.98	1.35	U		
4104-0609B-HO	4/20/2009	Radium-226	2.90	4.70	0.46	0.11			
4104-0609B-HO	4/20/2009	Thorium-230	2.80	4.60	0.00	6.51	U		
4104-0609B-HO	4/20/2009	Thorium-232	2.10	3.50	0.60	0.17			
4104-0609B-HO	4/20/2009	Uranium-238	2.20	4.20	0.56	0.37			
4104-0610A-HO	3/30/2009	Actinium-227	4.60	13.61	0.00	0.37	U		
4104-0610A-HO	3/30/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0610A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0610A-HO	3/30/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0610A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.05	0.05	U		
4104-0610A-HO	3/30/2009	Lead-210	7.40	19.80	0.67	0.73	U		
4104-0610A-HO	3/30/2009	Plutonium-238	55.00	165.13	6.80	6.56			
4104-0610A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.00	1.92	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0610A-HO	3/30/2009	Radium-226	2.90	4.70	0.48	0.13			
4104-0610A-HO	3/30/2009	Thorium-230	2.80	4.60	0.00	7.62	U		
4104-0610A-HO	3/30/2009	Thorium-232	2.10	3.50	0.74	0.22			
4104-0610A-HO	3/30/2009	Uranium-238	2.20	4.20	0.80	0.45			
4104-0611A-HO	3/30/2009	Actinium-227	4.60	13.61	0.00	0.25	U		
4104-0611A-HO	3/30/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4104-0611A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4104-0611A-HO	3/30/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0611A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0611A-HO	3/30/2009	Lead-210	7.40	19.80	0.16	0.56	U		
4104-0611A-HO	3/30/2009	Plutonium-238	55.00	165.13	0.00	5.87	U		
4104-0611A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.00	1.49	U		
4104-0611A-HO	3/30/2009	Radium-226	2.90	4.70	0.51	0.07			
4104-0611A-HO	3/30/2009	Thorium-230	2.80	4.60	1.63	4.99	U		
4104-0611A-HO	3/30/2009	Thorium-232	2.10	3.50	0.10	0.19	U		
4104-0611A-HO	3/30/2009	Uranium-238	2.20	4.20	0.47	0.32			
4104-0612A-HO	4/21/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4104-0612A-HO	4/21/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0612A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0612A-HO	4/21/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0612A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0612A-HO	4/21/2009	Lead-210	7.40	19.80	0.83	0.66			
4104-0612A-HO	4/21/2009	Plutonium-238	55.00	165.13	0.00	6.99	U		
4104-0612A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.00	1.76	U		
4104-0612A-HO	4/21/2009	Radium-226	2.90	4.70	0.65	0.10			
4104-0612A-HO	4/21/2009	Thorium-230	2.80	4.60	0.00	7.15	U		
4104-0612A-HO	4/21/2009	Thorium-232	2.10	3.50	0.69	0.21			
4104-0612A-HO	4/21/2009	Uranium-238	2.20	4.20	0.68	0.46			
4104-0613A-HO	3/30/2009	Actinium-227	4.60	13.61	0.10	0.31	U		
4104-0613A-HO	3/30/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0613A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0613A-HO	3/30/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0613A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0613A-HO	3/30/2009	Lead-210	7.40	19.80	0.31	0.72	U		
4104-0613A-HO	3/30/2009	Plutonium-238	55.00	165.13	3.35	6.40	U		
4104-0613A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.00	1.77	U		
4104-0613A-HO	3/30/2009	Radium-226	2.90	4.70	0.58	0.13			
4104-0613A-HO	3/30/2009	Thorium-230	2.80	4.60	2.49	6.87	U		
4104-0613A-HO	3/30/2009	Thorium-232	2.10	3.50	0.65	0.22			
4104-0613A-HO	3/30/2009	Uranium-238	2.20	4.20	0.64	0.46			
4104-0614A-HO	3/30/2009	Actinium-227	4.60	13.61	0.03	0.24	U		
4104-0614A-HO	3/30/2009	Americium-241	63.00	189.00	0.00	0.05	U		
4104-0614A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4104-0614A-HO	3/30/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0614A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.03	0.04	U		
4104-0614A-HO	3/30/2009	Lead-210	7.40	19.80	0.39	0.50	U		
4104-0614A-HO	3/30/2009	Plutonium-238	55.00	165.13	0.44	5.05	U		
4104-0614A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.98	1.25	U		
4104-0614A-HO	3/30/2009	Radium-226	2.90	4.70	0.37	0.11			
4104-0614A-HO	3/30/2009	Thorium-230	2.80	4.60	2.71	5.06	U		
4104-0614A-HO	3/30/2009	Thorium-232	2.10	3.50	0.28	0.18			
4104-0614A-HO	3/30/2009	Uranium-238	2.20	4.20	0.28	0.35	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0615A-HO	3/30/2009	Actinium-227	4.60	13.61	0.00	0.35	U		
4104-0615A-HO	3/30/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4104-0615A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0615A-HO	3/30/2009	Cesium-137	3.80	10.62	0.04	0.04	U		
4104-0615A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0615A-HO	3/30/2009	Lead-210	7.40	19.80	0.41	0.78	U		
4104-0615A-HO	3/30/2009	Plutonium-238	55.00	165.13	3.07	6.92	U		
4104-0615A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.28	1.73	U		
4104-0615A-HO	3/30/2009	Radium-226	2.90	4.70	0.59	0.13			
4104-0615A-HO	3/30/2009	Thorium-230	2.80	4.60	0.93	7.43	U		
4104-0615A-HO	3/30/2009	Thorium-232	2.10	3.50	0.62	0.25			
4104-0615A-HO	3/30/2009	Uranium-238	2.20	4.20	0.87	0.47			
4104-0616A-HO	3/30/2009	Actinium-227	4.60	13.61	0.07	0.25	U		
4104-0616A-HO	3/30/2009	Americium-241	63.00	189.00	0.03	0.06	U		
4104-0616A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4104-0616A-HO	3/30/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0616A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.02	0.04	U		
4104-0616A-HO	3/30/2009	Lead-210	7.40	19.80	0.57	0.50			
4104-0616A-HO	3/30/2009	Plutonium-238	55.00	165.13	0.00	6.28	U		
4104-0616A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.00	1.54	U		
4104-0616A-HO	3/30/2009	Radium-226	2.90	4.70	0.49	0.10			
4104-0616A-HO	3/30/2009	Thorium-230	2.80	4.60	0.64	5.69	U		
4104-0616A-HO	3/30/2009	Thorium-232	2.10	3.50	0.31	0.11			
4104-0616A-HO	3/30/2009	Uranium-238	2.20	4.20	0.78	0.34			
4104-0617A-HO	3/30/2009	Actinium-227	4.60	13.61	0.11	0.27	U		
4104-0617A-HO	3/30/2009	Americium-241	63.00	189.00	0.02	0.06	U		
4104-0617A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4104-0617A-HO	3/30/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4104-0617A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0617A-HO	3/30/2009	Lead-210	7.40	19.80	0.59	0.61	U		
4104-0617A-HO	3/30/2009	Plutonium-238	55.00	165.13	3.14	6.20	U		
4104-0617A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.16	1.63	U		
4104-0617A-HO	3/30/2009	Radium-226	2.90	4.70	0.54	0.12			
4104-0617A-HO	3/30/2009	Thorium-230	2.80	4.60	0.00	6.52	U		
4104-0617A-HO	3/30/2009	Thorium-232	2.10	3.50	0.53	0.20			
4104-0617A-HO	3/30/2009	Uranium-238	2.20	4.20	0.44	0.41			
4104-0618A-HO	4/21/2009	Actinium-227	4.60	13.61	0.00	0.25	U		
4104-0618A-HO	4/21/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4104-0618A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4104-0618A-HO	4/21/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0618A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.02	0.04	U		
4104-0618A-HO	4/21/2009	Lead-210	7.40	19.80	0.30	0.59	U		
4104-0618A-HO	4/21/2009	Plutonium-238	55.00	165.13	3.06	5.05	U		
4104-0618A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.25	1.40	U		
4104-0618A-HO	4/21/2009	Radium-226	2.90	4.70	0.46	0.11			
4104-0618A-HO	4/21/2009	Thorium-230	2.80	4.60	0.44	5.99	U		
4104-0618A-HO	4/21/2009	Thorium-232	2.10	3.50	0.42	0.15			
4104-0618A-HO	4/21/2009	Uranium-238	2.20	4.20	0.54	0.37			
4104-0619A-HO	3/30/2009	Actinium-227	4.60	13.61	0.07	0.24	U		
4104-0619A-HO	3/30/2009	Americium-241	63.00	189.00	0.01	0.06	U		
4104-0619A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0619A-HO	3/30/2009	Cesium-137	3.80	10.62	0.00	0.04	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0619A-HO	3/30/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0619A-HO	3/30/2009	Lead-210	7.40	19.80	0.65	0.55			
4104-0619A-HO	3/30/2009	Plutonium-238	55.00	165.13	0.00	6.16	U		
4104-0619A-HO	3/30/2009	Protactinium-231	4.00	11.81	0.00	1.64	U		
4104-0619A-HO	3/30/2009	Radium-226	2.90	4.70	0.50	0.13			
4104-0619A-HO	3/30/2009	Thorium-230	2.80	4.60	0.59	5.95	U		
4104-0619A-HO	3/30/2009	Thorium-232	2.10	3.50	0.34	0.17			
4104-0619A-HO	3/30/2009	Uranium-238	2.20	4.20	0.31	0.41	U		
4104-0620A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.40	U		
4104-0620A-HO	4/23/2009	Americium-241	63.00	189.00	0.02	0.09	U		
4104-0620A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4104-0620A-HO	4/23/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4104-0620A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.01	0.07	U		
4104-0620A-HO	4/23/2009	Lead-210	7.40	19.80	0.55	0.88	U		
4104-0620A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.00	9.16	U		
4104-0620A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.65	1.98	U		
4104-0620A-HO	4/23/2009	Radium-226	2.90	4.70	0.73	0.15			
4104-0620A-HO	4/23/2009	Thorium-230	2.80	4.60	1.69	8.60	U		
4104-0620A-HO	4/23/2009	Thorium-232	2.10	3.50	0.93	0.23			
4104-0620A-HO	4/23/2009	Uranium-238	2.20	4.20	1.54	0.50			
4104-0621A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4104-0621A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4104-0621A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0621A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0621A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.04	0.06	U		
4104-0621A-HO	4/23/2009	Lead-210	7.40	19.80	0.52	0.85	U		
4104-0621A-HO	4/23/2009	Plutonium-238	55.00	165.13	2.54	9.19	U		
4104-0621A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.00	2.27	U		
4104-0621A-HO	4/23/2009	Radium-226	2.90	4.70	0.63	0.17			
4104-0621A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	9.21	U		
4104-0621A-HO	4/23/2009	Thorium-232	2.10	3.50	1.32	0.18			
4104-0621A-HO	4/23/2009	Uranium-238	2.20	4.20	1.36	0.52			
4104-0622A-HO	4/7/2009	Actinium-227	4.60	13.61	0.03	0.21	U		
4104-0622A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.05	U		
4104-0622A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4104-0622A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.03	U		
4104-0622A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4104-0622A-HO	4/7/2009	Lead-210	7.40	19.80	0.41	0.47	U		
4104-0622A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.78	4.69	U		
4104-0622A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.27	U		
4104-0622A-HO	4/7/2009	Radium-226	2.90	4.70	0.59	0.06			
4104-0622A-HO	4/7/2009	Thorium-230	2.80	4.60	2.41	4.58	U		
4104-0622A-HO	4/7/2009	Thorium-232	2.10	3.50	0.24	0.14			
4104-0622A-HO	4/7/2009	Uranium-238	2.20	4.20	0.50	0.30			
4104-0623A-HO	4/7/2009	Actinium-227	4.60	13.61	0.00	0.27	U		
4104-0623A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0623A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0623A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0623A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4104-0623A-HO	4/7/2009	Lead-210	7.40	19.80	0.14	0.63	U		
4104-0623A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	6.24	U		
4104-0623A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.75	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0623A-HO	4/7/2009	Radium-226	2.90	4.70	0.52	0.12			
4104-0623A-HO	4/7/2009	Thorium-230	2.80	4.60	0.00	6.58	U		
4104-0623A-HO	4/7/2009	Thorium-232	2.10	3.50	0.70	0.15			
4104-0623A-HO	4/7/2009	Uranium-238	2.20	4.20	0.87	0.41			
4104-0624A-HO	4/7/2009	Actinium-227	4.60	13.61	0.07	0.24	U		
4104-0624A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0624A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0624A-HO	4/7/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0624A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.02	0.05	U		
4104-0624A-HO	4/7/2009	Lead-210	7.40	19.80	0.63	0.57			
4104-0624A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.42	6.10	U		
4104-0624A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.04	1.59	U		
4104-0624A-HO	4/7/2009	Radium-226	2.90	4.70	0.46	0.10			
4104-0624A-HO	4/7/2009	Thorium-230	2.80	4.60	1.29	6.05	U		
4104-0624A-HO	4/7/2009	Thorium-232	2.10	3.50	0.53	0.18			
4104-0624A-HO	4/7/2009	Uranium-238	2.20	4.20	0.79	0.37			
4104-0625A-HO	4/7/2009	Actinium-227	4.60	13.61	0.03	0.34	U		
4104-0625A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0625A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0625A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0625A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.03	0.05	U		
4104-0625A-HO	4/7/2009	Lead-210	7.40	19.80	0.80	0.75			
4104-0625A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.17	7.51	U		
4104-0625A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.08	1.92	U		
4104-0625A-HO	4/7/2009	Radium-226	2.90	4.70	0.72	0.13			
4104-0625A-HO	4/7/2009	Thorium-230	2.80	4.60	1.17	7.43	U		
4104-0625A-HO	4/7/2009	Thorium-232	2.10	3.50	0.68	0.27			
4104-0625A-HO	4/7/2009	Uranium-238	2.20	4.20	1.32	0.50			
4104-0626A-HO	3/25/2009	Actinium-227	4.60	13.61	0.18	0.33	U		
4104-0626A-HO	3/25/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0626A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0626A-HO	3/25/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0626A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0626A-HO	3/25/2009	Lead-210	7.40	19.80	0.00	0.77	U		
4104-0626A-HO	3/25/2009	Plutonium-238	55.00	165.13	0.00	7.45	U		
4104-0626A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.00	1.81	U		
4104-0626A-HO	3/25/2009	Radium-226	2.90	4.70	0.59	0.14			
4104-0626A-HO	3/25/2009	Thorium-230	2.80	4.60	0.68	7.23	U		
4104-0626A-HO	3/25/2009	Thorium-232	2.10	3.50	0.66	0.24			
4104-0626A-HO	3/25/2009	Uranium-238	2.20	4.20	0.80	0.46			
4104-0627A-HO	3/25/2009	Actinium-227	4.60	13.61	0.00	0.26	U		
4104-0627A-HO	3/25/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0627A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0627A-HO	3/25/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0627A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4104-0627A-HO	3/25/2009	Lead-210	7.40	19.80	0.10	0.61	U		
4104-0627A-HO	3/25/2009	Plutonium-238	55.00	165.13	1.23	6.24	U		
4104-0627A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.67	1.17	U		
4104-0627A-HO	3/25/2009	Radium-226	2.90	4.70	0.38	0.13			
4104-0627A-HO	3/25/2009	Thorium-230	2.80	4.60	0.00	6.28	U		
4104-0627A-HO	3/25/2009	Thorium-232	2.10	3.50	0.63	0.15			
4104-0627A-HO	3/25/2009	Uranium-238	2.20	4.20	0.43	0.39			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0628A-HO	3/31/2009	Actinium-227	4.60	13.61	0.00	0.35	U		
4104-0628A-HO	3/31/2009	Americium-241	63.00	189.00	0.05	0.08	U		
4104-0628A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0628A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0628A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0628A-HO	3/31/2009	Lead-210	7.40	19.80	0.58	0.77	U		
4104-0628A-HO	3/31/2009	Plutonium-238	55.00	165.13	3.85	7.79	U		
4104-0628A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	2.20	U		
4104-0628A-HO	3/31/2009	Radium-226	2.90	4.70	0.59	0.14			
4104-0628A-HO	3/31/2009	Thorium-230	2.80	4.60	3.72	7.25	U		
4104-0628A-HO	3/31/2009	Thorium-232	2.10	3.50	0.46	0.27			
4104-0628A-HO	3/31/2009	Uranium-238	2.20	4.20	0.49	0.47			
4104-0629A-HO	3/31/2009	Actinium-227	4.60	13.61	0.09	0.27	U		
4104-0629A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0629A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0629A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0629A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0629A-HO	3/31/2009	Lead-210	7.40	19.80	0.35	0.64	U		
4104-0629A-HO	3/31/2009	Plutonium-238	55.00	165.13	0.00	6.37	U		
4104-0629A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.13	1.48	U		
4104-0629A-HO	3/31/2009	Radium-226	2.90	4.70	0.59	0.10			
4104-0629A-HO	3/31/2009	Thorium-230	2.80	4.60	0.00	6.60	U		
4104-0629A-HO	3/31/2009	Thorium-232	2.10	3.50	0.53	0.17			
4104-0629A-HO	3/31/2009	Uranium-238	2.20	4.20	0.68	0.36			
4104-0630A-HO	3/31/2009	Actinium-227	4.60	13.61	0.14	0.32	U		
4104-0630A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0630A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4104-0630A-HO	3/31/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4104-0630A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0630A-HO	3/31/2009	Lead-210	7.40	19.80	1.16	0.62			
4104-0630A-HO	3/31/2009	Plutonium-238	55.00	165.13	0.00	7.23	U		
4104-0630A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.02	1.72	U		
4104-0630A-HO	3/31/2009	Radium-226	2.90	4.70	0.74	0.13			
4104-0630A-HO	3/31/2009	Thorium-230	2.80	4.60	0.00	7.39	U		
4104-0630A-HO	3/31/2009	Thorium-232	2.10	3.50	0.50	0.17			
4104-0630A-HO	3/31/2009	Uranium-238	2.20	4.20	0.78	0.45			
4104-0631A-HO	4/23/2009	Actinium-227	4.60	13.61	0.01	0.21	U		
4104-0631A-HO	4/23/2009	Americium-241	63.00	189.00	0.01	0.05	U		
4104-0631A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4104-0631A-HO	4/23/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0631A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.04	U		
4104-0631A-HO	4/23/2009	Lead-210	7.40	19.80	0.48	0.44			
4104-0631A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.17	5.12	U		
4104-0631A-HO	4/23/2009	Protactinium-231	4.00	11.81	0.56	1.13	U		
4104-0631A-HO	4/23/2009	Radium-226	2.90	4.70	0.43	0.09			
4104-0631A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	4.99	U		
4104-0631A-HO	4/23/2009	Thorium-232	2.10	3.50	0.24	0.11			
4104-0631A-HO	4/23/2009	Uranium-238	2.20	4.20	0.61	0.25			
4104-0632A-HO	4/7/2009	Actinium-227	4.60	13.61	0.01	0.22	U		
4104-0632A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.05	U		
4104-0632A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.02	0.03	U		
4104-0632A-HO	4/7/2009	Cesium-137	3.80	10.62	0.01	0.03	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0632A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.04	U		
4104-0632A-HO	4/7/2009	Lead-210	7.40	19.80	0.47	0.42			
4104-0632A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	5.23	U		
4104-0632A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.15	1.25	U		
4104-0632A-HO	4/7/2009	Radium-226	2.90	4.70	0.51	0.07			
4104-0632A-HO	4/7/2009	Thorium-230	2.80	4.60	0.00	5.05	U		
4104-0632A-HO	4/7/2009	Thorium-232	2.10	3.50	0.22	0.07			
4104-0632A-HO	4/7/2009	Uranium-238	2.20	4.20	0.26	0.32	U		
4104-0633A-HO	4/7/2009	Actinium-227	4.60	13.61	0.02	0.35	U		
4104-0633A-HO	4/7/2009	Americium-241	63.00	189.00	0.01	0.08	U		
4104-0633A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0633A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0633A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.03	0.05	U		
4104-0633A-HO	4/7/2009	Lead-210	7.40	19.80	0.53	0.74	U		
4104-0633A-HO	4/7/2009	Plutonium-238	55.00	165.13	1.32	7.31	U		
4104-0633A-HO	4/7/2009	Protactinium-231	4.00	11.81	1.13	1.57	U		
4104-0633A-HO	4/7/2009	Radium-226	2.90	4.70	0.75	0.13			
4104-0633A-HO	4/7/2009	Thorium-230	2.80	4.60	0.94	7.71	U		
4104-0633A-HO	4/7/2009	Thorium-232	2.10	3.50	0.55	0.26			
4104-0633A-HO	4/7/2009	Uranium-238	2.20	4.20	0.96	0.48			
4104-0634A-HO	4/8/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4104-0634A-HO	4/8/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0634A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0634A-HO	4/8/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4104-0634A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4104-0634A-HO	4/8/2009	Lead-210	7.40	19.80	0.69	0.64			
4104-0634A-HO	4/8/2009	Plutonium-238	55.00	165.13	0.00	6.54	U		
4104-0634A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.66	1.55	U		
4104-0634A-HO	4/8/2009	Radium-226	2.90	4.70	0.64	0.10			
4104-0634A-HO	4/8/2009	Thorium-230	2.80	4.60	2.83	6.48	U		
4104-0634A-HO	4/8/2009	Thorium-232	2.10	3.50	0.70	0.20			
4104-0634A-HO	4/8/2009	Uranium-238	2.20	4.20	0.70	0.41			
4104-0635A-HO	4/21/2009	Actinium-227	4.60	13.61	0.00	0.37	U		
4104-0635A-HO	4/21/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4104-0635A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0635A-HO	4/21/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0635A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0635A-HO	4/21/2009	Lead-210	7.40	19.80	0.68	0.75	U		
4104-0635A-HO	4/21/2009	Plutonium-238	55.00	165.13	0.00	7.98	U		
4104-0635A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.01	1.95	U		
4104-0635A-HO	4/21/2009	Radium-226	2.90	4.70	0.89	0.12			
4104-0635A-HO	4/21/2009	Thorium-230	2.80	4.60	0.00	7.91	U		
4104-0635A-HO	4/21/2009	Thorium-232	2.10	3.50	0.74	0.25			
4104-0635A-HO	4/21/2009	Uranium-238	2.20	4.20	1.22	0.48			
4104-0636A-HO	3/25/2009	Actinium-227	4.60	13.61	0.06	0.30	U		
4104-0636A-HO	3/25/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0636A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.03	0.04	U		
4104-0636A-HO	3/25/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4104-0636A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.04	0.05	U		
4104-0636A-HO	3/25/2009	Lead-210	7.40	19.80	0.84	0.58			
4104-0636A-HO	3/25/2009	Plutonium-238	55.00	165.13	0.99	6.06	U		
4104-0636A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.00	1.72	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0636A-HO	3/25/2009	Radium-226	2.90	4.70	0.59	0.11			
4104-0636A-HO	3/25/2009	Thorium-230	2.80	4.60	2.22	6.44	U		
4104-0636A-HO	3/25/2009	Thorium-232	2.10	3.50	0.65	0.21			
4104-0636A-HO	3/25/2009	Uranium-238	2.20	4.20	0.65	0.42			
4104-0637A-HO	3/25/2009	Actinium-227	4.60	13.61	0.00	0.34	U		
4104-0637A-HO	3/25/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0637A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0637A-HO	3/25/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4104-0637A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.04	0.06	U		
4104-0637A-HO	3/25/2009	Lead-210	7.40	19.80	0.56	0.76	U		
4104-0637A-HO	3/25/2009	Plutonium-238	55.00	165.13	1.98	7.39	U		
4104-0637A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.47	1.75	U		
4104-0637A-HO	3/25/2009	Radium-226	2.90	4.70	0.82	0.11			
4104-0637A-HO	3/25/2009	Thorium-230	2.80	4.60	0.00	7.81	U		
4104-0637A-HO	3/25/2009	Thorium-232	2.10	3.50	0.74	0.21			
4104-0637A-HO	3/25/2009	Uranium-238	2.20	4.20	0.64	0.50			
4104-0638A-HO	3/25/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4104-0638A-HO	3/25/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0638A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4104-0638A-HO	3/25/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0638A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.02	0.06	U		
4104-0638A-HO	3/25/2009	Lead-210	7.40	19.80	0.62	0.73	U		
4104-0638A-HO	3/25/2009	Plutonium-238	55.00	165.13	0.00	6.80	U		
4104-0638A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.90	1.60	U		
4104-0638A-HO	3/25/2009	Radium-226	2.90	4.70	0.77	0.11			
4104-0638A-HO	3/25/2009	Thorium-230	2.80	4.60	2.65	7.36	U		
4104-0638A-HO	3/25/2009	Thorium-232	2.10	3.50	0.83	0.22			
4104-0638A-HO	3/25/2009	Uranium-238	2.20	4.20	0.93	0.39			
4104-0639A-HO	3/31/2009	Actinium-227	4.60	13.61	0.10	0.34	U		
4104-0639A-HO	3/31/2009	Americium-241	63.00	189.00	0.04	0.08	U		
4104-0639A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.05	0.05	U		
4104-0639A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0639A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0639A-HO	3/31/2009	Lead-210	7.40	19.80	1.08	0.74			
4104-0639A-HO	3/31/2009	Plutonium-238	55.00	165.13	2.19	7.79	U		
4104-0639A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.59	1.87	U		
4104-0639A-HO	3/31/2009	Radium-226	2.90	4.70	0.68	0.14			
4104-0639A-HO	3/31/2009	Thorium-230	2.80	4.60	1.13	7.82	U		
4104-0639A-HO	3/31/2009	Thorium-232	2.10	3.50	1.03	0.20			
4104-0639A-HO	3/31/2009	Uranium-238	2.20	4.20	1.09	0.52			
4104-0640A-HO	3/31/2009	Actinium-227	4.60	13.61	0.03	0.31	U		
4104-0640A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0640A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0640A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0640A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.02	0.06	U		
4104-0640A-HO	3/31/2009	Lead-210	7.40	19.80	0.60	0.72	U		
4104-0640A-HO	3/31/2009	Plutonium-238	55.00	165.13	1.50	6.92	U		
4104-0640A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	1.77	U		
4104-0640A-HO	3/31/2009	Radium-226	2.90	4.70	0.77	0.11			
4104-0640A-HO	3/31/2009	Thorium-230	2.80	4.60	0.00	7.24	U		
4104-0640A-HO	3/31/2009	Thorium-232	2.10	3.50	0.58	0.20			
4104-0640A-HO	3/31/2009	Uranium-238	2.20	4.20	0.89	0.43			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0641A-HO	3/31/2009	Actinium-227	4.60	13.61	0.13	0.29	U		
4104-0641A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0641A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0641A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0641A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0641A-HO	3/31/2009	Lead-210	7.40	19.80	1.07	0.63			
4104-0641A-HO	3/31/2009	Plutonium-238	55.00	165.13	0.00	6.69	U		
4104-0641A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	1.70	U		
4104-0641A-HO	3/31/2009	Radium-226	2.90	4.70	0.58	0.10			
4104-0641A-HO	3/31/2009	Thorium-230	2.80	4.60	0.00	6.81	U		
4104-0641A-HO	3/31/2009	Thorium-232	2.10	3.50	0.61	0.19			
4104-0641A-HO	3/31/2009	Uranium-238	2.20	4.20	0.51	0.44			
4104-0642A-HO	3/31/2009	Actinium-227	4.60	13.61	0.11	0.25	U		
4104-0642A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4104-0642A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0642A-HO	3/31/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4104-0642A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4104-0642A-HO	3/31/2009	Lead-210	7.40	19.80	0.17	0.58	U		
4104-0642A-HO	3/31/2009	Plutonium-238	55.00	165.13	3.85	5.45	U		
4104-0642A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	1.48	U		
4104-0642A-HO	3/31/2009	Radium-226	2.90	4.70	0.49	0.09			
4104-0642A-HO	3/31/2009	Thorium-230	2.80	4.60	1.47	5.51	U		
4104-0642A-HO	3/31/2009	Thorium-232	2.10	3.50	0.23	0.20			
4104-0642A-HO	3/31/2009	Uranium-238	2.20	4.20	0.34	0.34	U		
4104-0643A-HO	3/31/2009	Actinium-227	4.60	13.61	0.00	0.31	U		
4104-0643A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0643A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4104-0643A-HO	3/31/2009	Cesium-137	3.80	10.62	0.03	0.04	U		
4104-0643A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4104-0643A-HO	3/31/2009	Lead-210	7.40	19.80	0.65	0.64			
4104-0643A-HO	3/31/2009	Plutonium-238	55.00	165.13	0.00	6.67	U		
4104-0643A-HO	3/31/2009	Protactinium-231	4.00	11.81	1.41	1.45	U		
4104-0643A-HO	3/31/2009	Radium-226	2.90	4.70	0.70	0.09			
4104-0643A-HO	3/31/2009	Thorium-230	2.80	4.60	1.89	6.15	U		
4104-0643A-HO	3/31/2009	Thorium-232	2.10	3.50	0.74	0.12			
4104-0643A-HO	3/31/2009	Uranium-238	2.20	4.20	0.63	0.40			
4104-0644A-HO	3/31/2009	Actinium-227	4.60	13.61	0.00	0.32	U		
4104-0644A-HO	3/31/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4104-0644A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0644A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0644A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.02	0.06	U		
4104-0644A-HO	3/31/2009	Lead-210	7.40	19.80	0.36	0.71	U		
4104-0644A-HO	3/31/2009	Plutonium-238	55.00	165.13	5.29	6.14	U		
4104-0644A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	1.66	U		
4104-0644A-HO	3/31/2009	Radium-226	2.90	4.70	0.60	0.13			
4104-0644A-HO	3/31/2009	Thorium-230	2.80	4.60	0.00	6.81	U		
4104-0644A-HO	3/31/2009	Thorium-232	2.10	3.50	0.56	0.21			
4104-0644A-HO	3/31/2009	Uranium-238	2.20	4.20	0.89	0.42			
4104-0645A-HO	3/31/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4104-0645A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0645A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0645A-HO	3/31/2009	Cesium-137	3.80	10.62	0.02	0.04	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0645A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.02	0.05	U		
4104-0645A-HO	3/31/2009	Lead-210	7.40	19.80	0.58	0.65	U		
4104-0645A-HO	3/31/2009	Plutonium-238	55.00	165.13	0.00	6.59	U		
4104-0645A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	1.59	U		
4104-0645A-HO	3/31/2009	Radium-226	2.90	4.70	0.53	0.12			
4104-0645A-HO	3/31/2009	Thorium-230	2.80	4.60	3.77	5.98	U		
4104-0645A-HO	3/31/2009	Thorium-232	2.10	3.50	0.56	0.16			
4104-0645A-HO	3/31/2009	Uranium-238	2.20	4.20	0.70	0.39			
4104-0646A-HO	4/23/2009	Actinium-227	4.60	13.61	0.00	0.41	U		
4104-0646A-HO	4/23/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0646A-HO	4/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0646A-HO	4/23/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0646A-HO	4/23/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0646A-HO	4/23/2009	Lead-210	7.40	19.80	0.24	0.86	U		
4104-0646A-HO	4/23/2009	Plutonium-238	55.00	165.13	0.00	8.79	U		
4104-0646A-HO	4/23/2009	Protactinium-231	4.00	11.81	1.14	1.90	U		
4104-0646A-HO	4/23/2009	Radium-226	2.90	4.70	0.79	0.16			
4104-0646A-HO	4/23/2009	Thorium-230	2.80	4.60	0.00	9.14	U		
4104-0646A-HO	4/23/2009	Thorium-232	2.10	3.50	0.66	0.28			
4104-0646A-HO	4/23/2009	Uranium-238	2.20	4.20	0.84	0.51			
4104-0647A-HO	4/7/2009	Actinium-227	4.60	13.61	0.03	0.30	U		
4104-0647A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0647A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0647A-HO	4/7/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0647A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0647A-HO	4/7/2009	Lead-210	7.40	19.80	0.01	0.69	U		
4104-0647A-HO	4/7/2009	Plutonium-238	55.00	165.13	3.51	6.41	U		
4104-0647A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.66	U		
4104-0647A-HO	4/7/2009	Radium-226	2.90	4.70	0.74	0.09			
4104-0647A-HO	4/7/2009	Thorium-230	2.80	4.60	2.77	6.77	U		
4104-0647A-HO	4/7/2009	Thorium-232	2.10	3.50	0.66	0.19			
4104-0647A-HO	4/7/2009	Uranium-238	2.20	4.20	1.04	0.42			
4104-0648A-HO	4/7/2009	Actinium-227	4.60	13.61	0.00	0.31	U		
4104-0648A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0648A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0648A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0648A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0648A-HO	4/7/2009	Lead-210	7.40	19.80	0.92	0.59			
4104-0648A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.30	6.72	U		
4104-0648A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.68	U		
4104-0648A-HO	4/7/2009	Radium-226	2.90	4.70	0.43	0.10			
4104-0648A-HO	4/7/2009	Thorium-230	2.80	4.60	1.76	6.77	U		
4104-0648A-HO	4/7/2009	Thorium-232	2.10	3.50	0.66	0.14			
4104-0648A-HO	4/7/2009	Uranium-238	2.20	4.20	0.67	0.42			
4104-0649A-HO	4/7/2009	Actinium-227	4.60	13.61	0.06	0.35	U		
4104-0649A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0649A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0649A-HO	4/7/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4104-0649A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0649A-HO	4/7/2009	Lead-210	7.40	19.80	0.64	0.78	U		
4104-0649A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	7.66	U		
4104-0649A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	2.17	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0649A-HO	4/7/2009	Radium-226	2.90	4.70	0.71	0.12			
4104-0649A-HO	4/7/2009	Thorium-230	2.80	4.60	0.00	8.05	U		
4104-0649A-HO	4/7/2009	Thorium-232	2.10	3.50	0.81	0.26			
4104-0649A-HO	4/7/2009	Uranium-238	2.20	4.20	0.78	0.51			
4104-0650A-HO	4/7/2009	Actinium-227	4.60	13.61	0.00	0.32	U		
4104-0650A-HO	4/7/2009	Americium-241	63.00	189.00	0.03	0.07	U		
4104-0650A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0650A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0650A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0650A-HO	4/7/2009	Lead-210	7.40	19.80	0.18	0.74	U		
4104-0650A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	6.78	U		
4104-0650A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.83	U		
4104-0650A-HO	4/7/2009	Radium-226	2.90	4.70	0.56	0.13			
4104-0650A-HO	4/7/2009	Thorium-230	2.80	4.60	5.03	6.66	U		
4104-0650A-HO	4/7/2009	Thorium-232	2.10	3.50	0.85	0.16			
4104-0650A-HO	4/7/2009	Uranium-238	2.20	4.20	0.68	0.44			
4104-0651A-HO	3/25/2009	Actinium-227	4.60	13.61	0.00	0.37	U		
4104-0651A-HO	3/25/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0651A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0651A-HO	3/25/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0651A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0651A-HO	3/25/2009	Lead-210	7.40	19.80	0.06	0.87	U		
4104-0651A-HO	3/25/2009	Plutonium-238	55.00	165.13	3.26	7.83	U		
4104-0651A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.30	1.73	U		
4104-0651A-HO	3/25/2009	Radium-226	2.90	4.70	0.76	0.12			
4104-0651A-HO	3/25/2009	Thorium-230	2.80	4.60	0.00	7.96	U		
4104-0651A-HO	3/25/2009	Thorium-232	2.10	3.50	1.02	0.25			
4104-0651A-HO	3/25/2009	Uranium-238	2.20	4.20	0.77	0.50			
4104-0652A-HO	3/25/2009	Actinium-227	4.60	13.61	0.00	0.31	U		
4104-0652A-HO	3/25/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0652A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4104-0652A-HO	3/25/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0652A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.04	0.05	U		
4104-0652A-HO	3/25/2009	Lead-210	7.40	19.80	0.40	0.65	U		
4104-0652A-HO	3/25/2009	Plutonium-238	55.00	165.13	0.00	6.50	U		
4104-0652A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.00	1.56	U		
4104-0652A-HO	3/25/2009	Radium-226	2.90	4.70	0.65	0.10			
4104-0652A-HO	3/25/2009	Thorium-230	2.80	4.60	0.00	6.85	U		
4104-0652A-HO	3/25/2009	Thorium-232	2.10	3.50	0.74	0.18			
4104-0652A-HO	3/25/2009	Uranium-238	2.20	4.20	0.47	0.44			
4104-0653A-HO	4/21/2009	Actinium-227	4.60	13.61	0.00	0.35	U		
4104-0653A-HO	4/21/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4104-0653A-HO	4/21/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0653A-HO	4/21/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4104-0653A-HO	4/21/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0653A-HO	4/21/2009	Lead-210	7.40	19.80	0.35	0.73	U		
4104-0653A-HO	4/21/2009	Plutonium-238	55.00	165.13	0.00	7.81	U		
4104-0653A-HO	4/21/2009	Protactinium-231	4.00	11.81	0.00	1.81	U		
4104-0653A-HO	4/21/2009	Radium-226	2.90	4.70	0.71	0.14			
4104-0653A-HO	4/21/2009	Thorium-230	2.80	4.60	0.00	7.67	U		
4104-0653A-HO	4/21/2009	Thorium-232	2.10	3.50	0.56	0.22			
4104-0653A-HO	4/21/2009	Uranium-238	2.20	4.20	0.87	0.48			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0654A-HO	3/25/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4104-0654A-HO	3/25/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4104-0654A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0654A-HO	3/25/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0654A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.03	0.06	U		
4104-0654A-HO	3/25/2009	Lead-210	7.40	19.80	0.17	0.66	U		
4104-0654A-HO	3/25/2009	Plutonium-238	55.00	165.13	0.00	6.73	U		
4104-0654A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.63	1.52	U		
4104-0654A-HO	3/25/2009	Radium-226	2.90	4.70	0.58	0.11			
4104-0654A-HO	3/25/2009	Thorium-230	2.80	4.60	0.00	6.91	U		
4104-0654A-HO	3/25/2009	Thorium-232	2.10	3.50	0.71	0.18			
4104-0654A-HO	3/25/2009	Uranium-238	2.20	4.20	0.65	0.38			
4104-0655A-HO	3/31/2009	Actinium-227	4.60	13.61	0.00	0.41	U		
4104-0655A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0655A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4104-0655A-HO	3/31/2009	Cesium-137	3.80	10.62	0.04	0.05	U		
4104-0655A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.11	U		
4104-0655A-HO	3/31/2009	Lead-210	7.40	19.80	0.74	0.88	U		
4104-0655A-HO	3/31/2009	Plutonium-238	55.00	165.13	0.00	9.17	U		
4104-0655A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.68	2.02	U		
4104-0655A-HO	3/31/2009	Radium-226	2.90	4.70	0.73	0.16			
4104-0655A-HO	3/31/2009	Thorium-230	2.80	4.60	2.87	8.63	U		
4104-0655A-HO	3/31/2009	Thorium-232	2.10	3.50	0.85	0.26			
4104-0655A-HO	3/31/2009	Uranium-238	2.20	4.20	1.15	0.53			
4104-0656A-HO	3/31/2009	Actinium-227	4.60	13.61	0.00	0.36	U		
4104-0656A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0656A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0656A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0656A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.03	0.05	U		
4104-0656A-HO	3/31/2009	Lead-210	7.40	19.80	0.29	0.81	U		
4104-0656A-HO	3/31/2009	Plutonium-238	55.00	165.13	2.52	7.26	U		
4104-0656A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	1.97	U		
4104-0656A-HO	3/31/2009	Radium-226	2.90	4.70	0.69	0.14			
4104-0656A-HO	3/31/2009	Thorium-230	2.80	4.60	1.58	7.54	U		
4104-0656A-HO	3/31/2009	Thorium-232	2.10	3.50	0.58	0.25			
4104-0656A-HO	3/31/2009	Uranium-238	2.20	4.20	0.79	0.52			
4104-0657A-HO	3/31/2009	Actinium-227	4.60	13.61	0.21	0.36	U		
4104-0657A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0657A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0657A-HO	3/31/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4104-0657A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.03	0.07	U		
4104-0657A-HO	3/31/2009	Lead-210	7.40	19.80	0.67	0.83	U		
4104-0657A-HO	3/31/2009	Plutonium-238	55.00	165.13	2.17	8.16	U		
4104-0657A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.09	1.89	U		
4104-0657A-HO	3/31/2009	Radium-226	2.90	4.70	0.79	0.15			
4104-0657A-HO	3/31/2009	Thorium-230	2.80	4.60	0.00	8.47	U		
4104-0657A-HO	3/31/2009	Thorium-232	2.10	3.50	0.73	0.27			
4104-0657A-HO	3/31/2009	Uranium-238	2.20	4.20	0.88	0.53			
4104-0658A-HO	3/31/2009	Actinium-227	4.60	13.61	0.17	0.30	U		
4104-0658A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0658A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0658A-HO	3/31/2009	Cesium-137	3.80	10.62	0.03	0.04	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0658A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0658A-HO	3/31/2009	Lead-210	7.40	19.80	0.58	0.71	U		
4104-0658A-HO	3/31/2009	Plutonium-238	55.00	165.13	3.29	6.43	U		
4104-0658A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.05	1.77	U		
4104-0658A-HO	3/31/2009	Radium-226	2.90	4.70	0.55	0.13			
4104-0658A-HO	3/31/2009	Thorium-230	2.80	4.60	3.23	6.92	U		
4104-0658A-HO	3/31/2009	Thorium-232	2.10	3.50	0.62	0.20			
4104-0658A-HO	3/31/2009	Uranium-238	2.20	4.20	0.87	0.43			
4104-0659A-HO	3/31/2009	Actinium-227	4.60	13.61	0.11	0.31	U		
4104-0659A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0659A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0659A-HO	3/31/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0659A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0659A-HO	3/31/2009	Lead-210	7.40	19.80	0.39	0.72	U		
4104-0659A-HO	3/31/2009	Plutonium-238	55.00	165.13	3.14	7.03	U		
4104-0659A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.82	1.57	U		
4104-0659A-HO	3/31/2009	Radium-226	2.90	4.70	0.78	0.10			
4104-0659A-HO	3/31/2009	Thorium-230	2.80	4.60	0.00	7.24	U		
4104-0659A-HO	3/31/2009	Thorium-232	2.10	3.50	0.50	0.24			
4104-0659A-HO	3/31/2009	Uranium-238	2.20	4.20	0.71	0.43			
4104-0660A-HO	3/31/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4104-0660A-HO	3/31/2009	Americium-241	63.00	189.00	0.03	0.07	U		
4104-0660A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4104-0660A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0660A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4104-0660A-HO	3/31/2009	Lead-210	7.40	19.80	0.17	0.67	U		
4104-0660A-HO	3/31/2009	Plutonium-238	55.00	165.13	5.21	6.44	U		
4104-0660A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	1.73	U		
4104-0660A-HO	3/31/2009	Radium-226	2.90	4.70	0.53	0.12			
4104-0660A-HO	3/31/2009	Thorium-230	2.80	4.60	0.84	6.88	U		
4104-0660A-HO	3/31/2009	Thorium-232	2.10	3.50	0.58	0.19			
4104-0660A-HO	3/31/2009	Uranium-238	2.20	4.20	0.66	0.43			
4104-0661A-HO	3/31/2009	Actinium-227	4.60	13.61	0.13	0.36	U		
4104-0661A-HO	3/31/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4104-0661A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0661A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0661A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0661A-HO	3/31/2009	Lead-210	7.40	19.80	0.40	0.82	U		
4104-0661A-HO	3/31/2009	Plutonium-238	55.00	165.13	3.65	9.21	U		
4104-0661A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	2.12	U		
4104-0661A-HO	3/31/2009	Radium-226	2.90	4.70	0.60	0.15			
4104-0661A-HO	3/31/2009	Thorium-230	2.80	4.60	3.30	7.97	U		
4104-0661A-HO	3/31/2009	Thorium-232	2.10	3.50	0.74	0.24			
4104-0661A-HO	3/31/2009	Uranium-238	2.20	4.20	0.81	0.54			
4104-0662A-HO	3/31/2009	Actinium-227	4.60	13.61	0.00	0.37	U		
4104-0662A-HO	3/31/2009	Americium-241	63.00	189.00	0.01	0.08	U		
4104-0662A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0662A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0662A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.05	0.05	U		
4104-0662A-HO	3/31/2009	Lead-210	7.40	19.80	0.79	0.81	U		
4104-0662A-HO	3/31/2009	Plutonium-238	55.00	165.13	0.00	8.41	U		
4104-0662A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	2.19	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0662A-HO	3/31/2009	Radium-226	2.90	4.70	0.79	0.13			
4104-0662A-HO	3/31/2009	Thorium-230	2.80	4.60	0.55	7.72	U		
4104-0662A-HO	3/31/2009	Thorium-232	2.10	3.50	0.65	0.19			
4104-0662A-HO	3/31/2009	Uranium-238	2.20	4.20	1.03	0.51			
4104-0663A-HO	4/7/2009	Actinium-227	4.60	13.61	0.05	0.35	U		
4104-0663A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0663A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.03	0.06	U		
4104-0663A-HO	4/7/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4104-0663A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0663A-HO	4/7/2009	Lead-210	7.40	19.80	0.46	0.78	U		
4104-0663A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	8.36	U		
4104-0663A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.93	U		
4104-0663A-HO	4/7/2009	Radium-226	2.90	4.70	0.73	0.14			
4104-0663A-HO	4/7/2009	Thorium-230	2.80	4.60	1.77	8.01	U		
4104-0663A-HO	4/7/2009	Thorium-232	2.10	3.50	1.11	0.22			
4104-0663A-HO	4/7/2009	Uranium-238	2.20	4.20	1.02	0.53			
4104-0664A-HO	4/7/2009	Actinium-227	4.60	13.61	0.00	0.26	U		
4104-0664A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0664A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4104-0664A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4104-0664A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4104-0664A-HO	4/7/2009	Lead-210	7.40	19.80	0.58	0.58			
4104-0664A-HO	4/7/2009	Plutonium-238	55.00	165.13	2.57	5.90	U		
4104-0664A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.60	U		
4104-0664A-HO	4/7/2009	Radium-226	2.90	4.70	0.48	0.12			
4104-0664A-HO	4/7/2009	Thorium-230	2.80	4.60	2.28	5.69	U		
4104-0664A-HO	4/7/2009	Thorium-232	2.10	3.50	0.57	0.15			
4104-0664A-HO	4/7/2009	Uranium-238	2.20	4.20	0.77	0.37			
4104-0665A-HO	4/7/2009	Actinium-227	4.60	13.61	0.00	0.31	U		
4104-0665A-HO	4/7/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4104-0665A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4104-0665A-HO	4/7/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4104-0665A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4104-0665A-HO	4/7/2009	Lead-210	7.40	19.80	0.12	0.64	U		
4104-0665A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	7.35	U		
4104-0665A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.63	U		
4104-0665A-HO	4/7/2009	Radium-226	2.90	4.70	0.59	0.11			
4104-0665A-HO	4/7/2009	Thorium-230	2.80	4.60	4.23	6.14	U		
4104-0665A-HO	4/7/2009	Thorium-232	2.10	3.50	0.82	0.16			
4104-0665A-HO	4/7/2009	Uranium-238	2.20	4.20	0.80	0.39			
4104-0666A-HO	4/7/2009	Actinium-227	4.60	13.61	0.03	0.23	U		
4104-0666A-HO	4/7/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4104-0666A-HO	4/7/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4104-0666A-HO	4/7/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4104-0666A-HO	4/7/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0666A-HO	4/7/2009	Lead-210	7.40	19.80	0.40	0.49	U		
4104-0666A-HO	4/7/2009	Plutonium-238	55.00	165.13	0.00	5.16	U		
4104-0666A-HO	4/7/2009	Protactinium-231	4.00	11.81	0.00	1.39	U		
4104-0666A-HO	4/7/2009	Radium-226	2.90	4.70	0.55	0.08			
4104-0666A-HO	4/7/2009	Thorium-230	2.80	4.60	1.78	5.01	U		
4104-0666A-HO	4/7/2009	Thorium-232	2.10	3.50	0.42	0.10			
4104-0666A-HO	4/7/2009	Uranium-238	2.20	4.20	0.36	0.35			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0667A-HO	3/25/2009	Actinium-227	4.60	13.61	0.00	0.31	U		
4104-0667A-HO	3/25/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4104-0667A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0667A-HO	3/25/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0667A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0667A-HO	3/25/2009	Lead-210	7.40	19.80	0.17	0.70	U		
4104-0667A-HO	3/25/2009	Plutonium-238	55.00	165.13	4.60	5.95	U		
4104-0667A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.81	1.53	U		
4104-0667A-HO	3/25/2009	Radium-226	2.90	4.70	0.59	0.11			
4104-0667A-HO	3/25/2009	Thorium-230	2.80	4.60	0.54	6.90	U		
4104-0667A-HO	3/25/2009	Thorium-232	2.10	3.50	0.89	0.15			
4104-0667A-HO	3/25/2009	Uranium-238	2.20	4.20	0.81	0.42			
4104-0668A-HO	3/25/2009	Actinium-227	4.60	13.61	0.00	0.31	U		
4104-0668A-HO	3/25/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4104-0668A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0668A-HO	3/25/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4104-0668A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0668A-HO	3/25/2009	Lead-210	7.40	19.80	0.62	0.69	U		
4104-0668A-HO	3/25/2009	Plutonium-238	55.00	165.13	0.45	6.05	U		
4104-0668A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.00	1.87	U		
4104-0668A-HO	3/25/2009	Radium-226	2.90	4.70	0.58	0.14			
4104-0668A-HO	3/25/2009	Thorium-230	2.80	4.60	0.00	7.09	U		
4104-0668A-HO	3/25/2009	Thorium-232	2.10	3.50	0.68	0.21			
4104-0668A-HO	3/25/2009	Uranium-238	2.20	4.20	0.77	0.41			
4104-0669A-HO	3/25/2009	Actinium-227	4.60	13.61	0.02	0.33	U		
4104-0669A-HO	3/25/2009	Americium-241	63.00	189.00	0.03	0.08	U		
4104-0669A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0669A-HO	3/25/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4104-0669A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0669A-HO	3/25/2009	Lead-210	7.40	19.80	0.70	0.74	U		
4104-0669A-HO	3/25/2009	Plutonium-238	55.00	165.13	0.00	7.59	U		
4104-0669A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.02	1.93	U		
4104-0669A-HO	3/25/2009	Radium-226	2.90	4.70	0.71	0.12			
4104-0669A-HO	3/25/2009	Thorium-230	2.80	4.60	0.00	7.64	U		
4104-0669A-HO	3/25/2009	Thorium-232	2.10	3.50	0.71	0.23			
4104-0669A-HO	3/25/2009	Uranium-238	2.20	4.20	0.60	0.48			
4104-0670A-HO	3/25/2009	Actinium-227	4.60	13.61	0.00	0.34	U		
4104-0670A-HO	3/25/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0670A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0670A-HO	3/25/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0670A-HO	3/25/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0670A-HO	3/25/2009	Lead-210	7.40	19.80	0.30	0.77	U		
4104-0670A-HO	3/25/2009	Plutonium-238	55.00	165.13	0.06	7.48	U		
4104-0670A-HO	3/25/2009	Protactinium-231	4.00	11.81	0.00	1.94	U		
4104-0670A-HO	3/25/2009	Radium-226	2.90	4.70	0.77	0.14			
4104-0670A-HO	3/25/2009	Thorium-230	2.80	4.60	3.89	7.63	U		
4104-0670A-HO	3/25/2009	Thorium-232	2.10	3.50	0.89	0.22			
4104-0670A-HO	3/25/2009	Uranium-238	2.20	4.20	0.54	0.51			
4104-0671A-HO	3/31/2009	Actinium-227	4.60	13.61	0.07	0.32	U		
4104-0671A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0671A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4104-0671A-HO	3/31/2009	Cesium-137	3.80	10.62	0.04	0.04	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0671A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0671A-HO	3/31/2009	Lead-210	7.40	19.80	0.43	0.71	U		
4104-0671A-HO	3/31/2009	Plutonium-238	55.00	165.13	5.00	6.82	U		
4104-0671A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	1.76	U		
4104-0671A-HO	3/31/2009	Radium-226	2.90	4.70	0.67	0.13			
4104-0671A-HO	3/31/2009	Thorium-230	2.80	4.60	0.00	7.57	U		
4104-0671A-HO	3/31/2009	Thorium-232	2.10	3.50	0.51	0.25			
4104-0671A-HO	3/31/2009	Uranium-238	2.20	4.20	0.96	0.48			
4104-0672A-HO	3/31/2009	Actinium-227	4.60	13.61	0.01	0.32	U		
4104-0672A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0672A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0672A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0672A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.02	0.06	U		
4104-0672A-HO	3/31/2009	Lead-210	7.40	19.80	0.76	0.73			
4104-0672A-HO	3/31/2009	Plutonium-238	55.00	165.13	0.64	7.49	U		
4104-0672A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.73	1.66	U		
4104-0672A-HO	3/31/2009	Radium-226	2.90	4.70	0.55	0.12			
4104-0672A-HO	3/31/2009	Thorium-230	2.80	4.60	2.72	7.17	U		
4104-0672A-HO	3/31/2009	Thorium-232	2.10	3.50	0.95	0.15			
4104-0672A-HO	3/31/2009	Uranium-238	2.20	4.20	0.82	0.47			
4104-0673A-HO	3/31/2009	Actinium-227	4.60	13.61	0.00	0.34	U		
4104-0673A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0673A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4104-0673A-HO	3/31/2009	Cesium-137	3.80	10.62	0.04	0.04	U		
4104-0673A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.03	0.05	U		
4104-0673A-HO	3/31/2009	Lead-210	7.40	19.80	0.79	0.75			
4104-0673A-HO	3/31/2009	Plutonium-238	55.00	165.13	0.00	7.83	U		
4104-0673A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	1.83	U		
4104-0673A-HO	3/31/2009	Radium-226	2.90	4.70	0.67	0.15			
4104-0673A-HO	3/31/2009	Thorium-230	2.80	4.60	1.79	7.59	U		
4104-0673A-HO	3/31/2009	Thorium-232	2.10	3.50	0.65	0.24			
4104-0673A-HO	3/31/2009	Uranium-238	2.20	4.20	0.74	0.47			
4104-0674A-HO	3/31/2009	Actinium-227	4.60	13.61	0.00	0.39	U		
4104-0674A-HO	3/31/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0674A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.01	0.07	U		
4104-0674A-HO	3/31/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0674A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.03	0.07	U		
4104-0674A-HO	3/31/2009	Lead-210	7.40	19.80	0.00	0.89	U		
4104-0674A-HO	3/31/2009	Plutonium-238	55.00	165.13	1.41	8.97	U		
4104-0674A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.12	2.08	U		
4104-0674A-HO	3/31/2009	Radium-226	2.90	4.70	0.69	0.15			
4104-0674A-HO	3/31/2009	Thorium-230	2.80	4.60	0.00	8.48	U		
4104-0674A-HO	3/31/2009	Thorium-232	2.10	3.50	1.07	0.19			
4104-0674A-HO	3/31/2009	Uranium-238	2.20	4.20	1.10	0.50			
4104-0675A-HO	3/31/2009	Actinium-227	4.60	13.61	0.10	0.34	U		
4104-0675A-HO	3/31/2009	Americium-241	63.00	189.00	0.01	0.08	U		
4104-0675A-HO	3/31/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0675A-HO	3/31/2009	Cesium-137	3.80	10.62	0.04	0.04			
4104-0675A-HO	3/31/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4104-0675A-HO	3/31/2009	Lead-210	7.40	19.80	0.00	0.82	U		
4104-0675A-HO	3/31/2009	Plutonium-238	55.00	165.13	0.31	7.73	U		
4104-0675A-HO	3/31/2009	Protactinium-231	4.00	11.81	0.00	1.92	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0675A-HO	3/31/2009	Radium-226	2.90	4.70	0.64	0.13			
4104-0675A-HO	3/31/2009	Thorium-230	2.80	4.60	0.00	7.86	U		
4104-0675A-HO	3/31/2009	Thorium-232	2.10	3.50	0.60	0.24			
4104-0675A-HO	3/31/2009	Uranium-238	2.20	4.20	1.14	0.46			
4104-0676A-HO	4/2/2009	Actinium-227	4.60	13.61	0.00	0.37	U		
4104-0676A-HO	4/2/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0676A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0676A-HO	4/2/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4104-0676A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.02	0.07	U		
4104-0676A-HO	4/2/2009	Lead-210	7.40	19.80	0.87	0.72			
4104-0676A-HO	4/2/2009	Plutonium-238	55.00	165.13	0.71	7.76	U		
4104-0676A-HO	4/2/2009	Protactinium-231	4.00	11.81	0.38	1.84	U		
4104-0676A-HO	4/2/2009	Radium-226	2.90	4.70	0.70	0.12			
4104-0676A-HO	4/2/2009	Thorium-230	2.80	4.60	0.71	7.63	U		
4104-0676A-HO	4/2/2009	Thorium-232	2.10	3.50	0.47	0.27			
4104-0676A-HO	4/2/2009	Uranium-238	2.20	4.20	0.77	0.47			
4104-0677A-HO	4/2/2009	Actinium-227	4.60	13.61	0.20	0.40	U		
4104-0677A-HO	4/2/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4104-0677A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0677A-HO	4/2/2009	Cesium-137	3.80	10.62	0.00	0.08	U		
4104-0677A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.05	0.07	U		
4104-0677A-HO	4/2/2009	Lead-210	7.40	19.80	0.63	0.90	U		
4104-0677A-HO	4/2/2009	Plutonium-238	55.00	165.13	0.00	8.91	U		
4104-0677A-HO	4/2/2009	Protactinium-231	4.00	11.81	0.00	2.32	U		
4104-0677A-HO	4/2/2009	Radium-226	2.90	4.70	0.65	0.17			
4104-0677A-HO	4/2/2009	Thorium-230	2.80	4.60	3.15	8.93	U		
4104-0677A-HO	4/2/2009	Thorium-232	2.10	3.50	0.69	0.32			
4104-0677A-HO	4/2/2009	Uranium-238	2.20	4.20	0.90	0.58			
4104-0678A-HO	4/2/2009	Actinium-227	4.60	13.61	0.00	0.42	U		
4104-0678A-HO	4/2/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4104-0678A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0678A-HO	4/2/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0678A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4104-0678A-HO	4/2/2009	Lead-210	7.40	19.80	0.76	0.90	U		
4104-0678A-HO	4/2/2009	Plutonium-238	55.00	165.13	2.63	8.09	U		
4104-0678A-HO	4/2/2009	Protactinium-231	4.00	11.81	1.61	1.79	U		
4104-0678A-HO	4/2/2009	Radium-226	2.90	4.70	0.84	0.16			
4104-0678A-HO	4/2/2009	Thorium-230	2.80	4.60	0.00	9.03	U		
4104-0678A-HO	4/2/2009	Thorium-232	2.10	3.50	0.69	0.33			
4104-0678A-HO	4/2/2009	Uranium-238	2.20	4.20	1.00	0.53			
4104-0679A-HO	4/2/2009	Actinium-227	4.60	13.61	0.01	0.41	U		
4104-0679A-HO	4/2/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0679A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0679A-HO	4/2/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0679A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0679A-HO	4/2/2009	Lead-210	7.40	19.80	1.21	0.83			
4104-0679A-HO	4/2/2009	Plutonium-238	55.00	165.13	0.94	8.25	U		
4104-0679A-HO	4/2/2009	Protactinium-231	4.00	11.81	0.53	1.99	U		
4104-0679A-HO	4/2/2009	Radium-226	2.90	4.70	0.71	0.14			
4104-0679A-HO	4/2/2009	Thorium-230	2.80	4.60	2.07	8.44	U		
4104-0679A-HO	4/2/2009	Thorium-232	2.10	3.50	0.70	0.26			
4104-0679A-HO	4/2/2009	Uranium-238	2.20	4.20	1.15	0.55			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0680A-HO	3/24/2009	Actinium-227	4.60	13.61	0.02	0.22	U		
4104-0680A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4104-0680A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4104-0680A-HO	3/24/2009	Cesium-137	3.80	10.62	0.01	0.03	U		
4104-0680A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.02	0.03	U		
4104-0680A-HO	3/24/2009	Lead-210	7.40	19.80	0.42	0.50	U		
4104-0680A-HO	3/24/2009	Plutonium-238	55.00	165.13	3.61	4.56	U		
4104-0680A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	1.21	U		
4104-0680A-HO	3/24/2009	Radium-226	2.90	4.70	0.51	0.08			
4104-0680A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	5.26	U		
4104-0680A-HO	3/24/2009	Thorium-232	2.10	3.50	0.24	0.16			
4104-0680A-HO	3/24/2009	Uranium-238	2.20	4.20	0.54	0.31			
4104-0681A-HO	3/24/2009	Actinium-227	4.60	13.61	0.09	0.39	U		
4104-0681A-HO	3/24/2009	Americium-241	63.00	189.00	0.06	0.09	U		
4104-0681A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0681A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4104-0681A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0681A-HO	3/24/2009	Lead-210	7.40	19.80	0.51	0.90	U		
4104-0681A-HO	3/24/2009	Plutonium-238	55.00	165.13	1.88	7.99	U		
4104-0681A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.41	1.97	U		
4104-0681A-HO	3/24/2009	Radium-226	2.90	4.70	0.83	0.13			
4104-0681A-HO	3/24/2009	Thorium-230	2.80	4.60	5.33	8.17	U		
4104-0681A-HO	3/24/2009	Thorium-232	2.10	3.50	0.90	0.26			
4104-0681A-HO	3/24/2009	Uranium-238	2.20	4.20	1.13	0.52			
4104-0682A-HO	3/24/2009	Actinium-227	4.60	13.61	0.00	0.42	U		
4104-0682A-HO	3/24/2009	Americium-241	63.00	189.00	0.03	0.09	U		
4104-0682A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0682A-HO	3/24/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4104-0682A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0682A-HO	3/24/2009	Lead-210	7.40	19.80	0.66	0.89	U		
4104-0682A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	8.87	U		
4104-0682A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.22	U		
4104-0682A-HO	3/24/2009	Radium-226	2.90	4.70	0.71	0.17			
4104-0682A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	9.24	U		
4104-0682A-HO	3/24/2009	Thorium-232	2.10	3.50	0.75	0.27			
4104-0682A-HO	3/24/2009	Uranium-238	2.20	4.20	0.83	0.56			
4104-0683A-HO	3/24/2009	Actinium-227	4.60	13.61	0.08	0.38	U		
4104-0683A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0683A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4104-0683A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4104-0683A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0683A-HO	3/24/2009	Lead-210	7.40	19.80	0.67	0.89	U		
4104-0683A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	8.82	U		
4104-0683A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.51	2.05	U		
4104-0683A-HO	3/24/2009	Radium-226	2.90	4.70	0.77	0.14			
4104-0683A-HO	3/24/2009	Thorium-230	2.80	4.60	2.96	8.45	U		
4104-0683A-HO	3/24/2009	Thorium-232	2.10	3.50	0.89	0.28			
4104-0683A-HO	3/24/2009	Uranium-238	2.20	4.20	1.06	0.54			
4104-0684A-HO	3/24/2009	Actinium-227	4.60	13.61	0.00	0.40	U		
4104-0684A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0684A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4104-0684A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.07	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0684A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.02	0.08	U		
4104-0684A-HO	3/24/2009	Lead-210	7.40	19.80	0.60	0.87	U		
4104-0684A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.58	8.20	U		
4104-0684A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.08	U		
4104-0684A-HO	3/24/2009	Radium-226	2.90	4.70	0.82	0.14			
4104-0684A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	8.56	U		
4104-0684A-HO	3/24/2009	Thorium-232	2.10	3.50	0.80	0.28			
4104-0684A-HO	3/24/2009	Uranium-238	2.20	4.20	0.45	0.56	U		
4104-0685A-HO	4/2/2009	Actinium-227	4.60	13.61	0.00	0.25	U		
4104-0685A-HO	4/2/2009	Americium-241	63.00	189.00	0.03	0.06	U		
4104-0685A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4104-0685A-HO	4/2/2009	Cesium-137	3.80	10.62	0.02	0.03	U		
4104-0685A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.02	0.03	U		
4104-0685A-HO	4/2/2009	Lead-210	7.40	19.80	0.15	0.56	U		
4104-0685A-HO	4/2/2009	Plutonium-238	55.00	165.13	0.00	5.63	U		
4104-0685A-HO	4/2/2009	Protactinium-231	4.00	11.81	0.29	1.18	U		
4104-0685A-HO	4/2/2009	Radium-226	2.90	4.70	0.62	0.10			
4104-0685A-HO	4/2/2009	Thorium-230	2.80	4.60	0.00	5.81	U		
4104-0685A-HO	4/2/2009	Thorium-232	2.10	3.50	0.32	0.18			
4104-0685A-HO	4/2/2009	Uranium-238	2.20	4.20	0.59	0.34			
4104-0686A-HO	4/2/2009	Actinium-227	4.60	13.61	0.07	0.21	U		
4104-0686A-HO	4/2/2009	Americium-241	63.00	189.00	0.01	0.05	U		
4104-0686A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4104-0686A-HO	4/2/2009	Cesium-137	3.80	10.62	0.01	0.03	U		
4104-0686A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4104-0686A-HO	4/2/2009	Lead-210	7.40	19.80	0.57	0.43			
4104-0686A-HO	4/2/2009	Plutonium-238	55.00	165.13	0.29	4.92	U		
4104-0686A-HO	4/2/2009	Protactinium-231	4.00	11.81	0.51	1.14	U		
4104-0686A-HO	4/2/2009	Radium-226	2.90	4.70	0.51	0.09			
4104-0686A-HO	4/2/2009	Thorium-230	2.80	4.60	0.00	4.91	U		
4104-0686A-HO	4/2/2009	Thorium-232	2.10	3.50	0.25	0.10			
4104-0686A-HO	4/2/2009	Uranium-238	2.20	4.20	0.20	0.33	U		
4104-0687A-HO	4/2/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4104-0687A-HO	4/2/2009	Americium-241	63.00	189.00	0.02	0.09	U		
4104-0687A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0687A-HO	4/2/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0687A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0687A-HO	4/2/2009	Lead-210	7.40	19.80	0.26	0.84	U		
4104-0687A-HO	4/2/2009	Plutonium-238	55.00	165.13	3.52	7.73	U		
4104-0687A-HO	4/2/2009	Protactinium-231	4.00	11.81	0.52	1.94	U		
4104-0687A-HO	4/2/2009	Radium-226	2.90	4.70	0.83	0.13			
4104-0687A-HO	4/2/2009	Thorium-230	2.80	4.60	1.85	8.12	U		
4104-0687A-HO	4/2/2009	Thorium-232	2.10	3.50	0.89	0.23			
4104-0687A-HO	4/2/2009	Uranium-238	2.20	4.20	1.00	0.50			
4104-0688A-HO	4/2/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4104-0688A-HO	4/2/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0688A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4104-0688A-HO	4/2/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4104-0688A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0688A-HO	4/2/2009	Lead-210	7.40	19.80	0.28	0.82	U		
4104-0688A-HO	4/2/2009	Plutonium-238	55.00	165.13	5.21	8.10	U		
4104-0688A-HO	4/2/2009	Protactinium-231	4.00	11.81	0.00	2.21	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0688A-HO	4/2/2009	Radium-226	2.90	4.70	0.69	0.13			
4104-0688A-HO	4/2/2009	Thorium-230	2.80	4.60	2.69	7.83	U		
4104-0688A-HO	4/2/2009	Thorium-232	2.10	3.50	0.73	0.26			
4104-0688A-HO	4/2/2009	Uranium-238	2.20	4.20	1.10	0.50			
4104-0689A-HO	4/2/2009	Actinium-227	4.60	13.61	0.04	0.41	U		
4104-0689A-HO	4/2/2009	Americium-241	63.00	189.00	0.03	0.09	U		
4104-0689A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.01	0.07	U		
4104-0689A-HO	4/2/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4104-0689A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.04	0.07	U		
4104-0689A-HO	4/2/2009	Lead-210	7.40	19.80	0.90	0.89			
4104-0689A-HO	4/2/2009	Plutonium-238	55.00	165.13	0.51	8.82	U		
4104-0689A-HO	4/2/2009	Protactinium-231	4.00	11.81	0.00	2.25	U		
4104-0689A-HO	4/2/2009	Radium-226	2.90	4.70	0.67	0.17			
4104-0689A-HO	4/2/2009	Thorium-230	2.80	4.60	6.25	8.66	U		
4104-0689A-HO	4/2/2009	Thorium-232	2.10	3.50	0.48	0.32			
4104-0689A-HO	4/2/2009	Uranium-238	2.20	4.20	0.86	0.56			
4104-0690A-HO	4/2/2009	Actinium-227	4.60	13.61	0.16	0.30	U		
4104-0690A-HO	4/2/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0690A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4104-0690A-HO	4/2/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0690A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0690A-HO	4/2/2009	Lead-210	7.40	19.80	0.87	0.68			
4104-0690A-HO	4/2/2009	Plutonium-238	55.00	165.13	0.00	7.49	U		
4104-0690A-HO	4/2/2009	Protactinium-231	4.00	11.81	0.00	1.73	U		
4104-0690A-HO	4/2/2009	Radium-226	2.90	4.70	0.66	0.11			
4104-0690A-HO	4/2/2009	Thorium-230	2.80	4.60	3.71	6.68	U		
4104-0690A-HO	4/2/2009	Thorium-232	2.10	3.50	0.36	0.23			
4104-0690A-HO	4/2/2009	Uranium-238	2.20	4.20	1.15	0.40			
4104-0691A-HO	4/2/2009	Actinium-227	4.60	13.61	0.34	0.38	U		
4104-0691A-HO	4/2/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4104-0691A-HO	4/2/2009	Bismuth-210M	8.30	24.90	0.03	0.07	U		
4104-0691A-HO	4/2/2009	Cesium-137	3.80	10.62	0.02	0.07	U		
4104-0691A-HO	4/2/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0691A-HO	4/2/2009	Lead-210	7.40	19.80	0.64	0.96	U		
4104-0691A-HO	4/2/2009	Plutonium-238	55.00	165.13	5.00	9.09	U		
4104-0691A-HO	4/2/2009	Protactinium-231	4.00	11.81	0.00	2.37	U		
4104-0691A-HO	4/2/2009	Radium-226	2.90	4.70	0.88	0.14			
4104-0691A-HO	4/2/2009	Thorium-230	2.80	4.60	1.21	9.04	U		
4104-0691A-HO	4/2/2009	Thorium-232	2.10	3.50	0.75	0.30			
4104-0691A-HO	4/2/2009	Uranium-238	2.20	4.20	0.93	0.61			
4104-0692A-HO	4/8/2009	Actinium-227	4.60	13.61	0.00	0.28	U		
4104-0692A-HO	4/8/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0692A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4104-0692A-HO	4/8/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4104-0692A-HO	4/8/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0692A-HO	4/8/2009	Lead-210	7.40	19.80	0.45	0.59	U		
4104-0692A-HO	4/8/2009	Plutonium-238	55.00	165.13	0.00	6.31	U		
4104-0692A-HO	4/8/2009	Protactinium-231	4.00	11.81	0.00	1.57	U		
4104-0692A-HO	4/8/2009	Radium-226	2.90	4.70	0.39	0.14			
4104-0692A-HO	4/8/2009	Thorium-230	2.80	4.60	0.00	6.66	U		
4104-0692A-HO	4/8/2009	Thorium-232	2.10	3.50	0.33	0.24			
4104-0692A-HO	4/8/2009	Uranium-238	2.20	4.20	0.73	0.41			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0693A-HO	3/24/2009	Actinium-227	4.60	13.61	0.10	0.21	U		
4104-0693A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.05	U		
4104-0693A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.02	0.03	U		
4104-0693A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4104-0693A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0693A-HO	3/24/2009	Lead-210	7.40	19.80	0.13	0.54	U		
4104-0693A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	5.32	U		
4104-0693A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.66	1.17	U		
4104-0693A-HO	3/24/2009	Radium-226	2.90	4.70	0.45	0.08			
4104-0693A-HO	3/24/2009	Thorium-230	2.80	4.60	3.97	4.77	U		
4104-0693A-HO	3/24/2009	Thorium-232	2.10	3.50	0.34	0.13			
4104-0693A-HO	3/24/2009	Uranium-238	2.20	4.20	0.42	0.30			
4104-0694A-HO	3/24/2009	Actinium-227	4.60	13.61	0.19	0.38	U		
4104-0694A-HO	3/24/2009	Americium-241	63.00	189.00	0.01	0.10	U		
4104-0694A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0694A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0694A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0694A-HO	3/24/2009	Lead-210	7.40	19.80	0.80	0.90	U		
4104-0694A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	9.70	U		
4104-0694A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.47	2.03	U		
4104-0694A-HO	3/24/2009	Radium-226	2.90	4.70	0.81	0.17			
4104-0694A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	8.78	U		
4104-0694A-HO	3/24/2009	Thorium-232	2.10	3.50	0.91	0.26			
4104-0694A-HO	3/24/2009	Uranium-238	2.20	4.20	0.88	0.57			
4104-0695A-HO	3/24/2009	Actinium-227	4.60	13.61	0.10	0.39	U		
4104-0695A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0695A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0695A-HO	3/24/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4104-0695A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0695A-HO	3/24/2009	Lead-210	7.40	19.80	0.57	0.88	U		
4104-0695A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	8.85	U		
4104-0695A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.29	U		
4104-0695A-HO	3/24/2009	Radium-226	2.90	4.70	0.75	0.16			
4104-0695A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	8.78	U		
4104-0695A-HO	3/24/2009	Thorium-232	2.10	3.50	0.93	0.26			
4104-0695A-HO	3/24/2009	Uranium-238	2.20	4.20	1.05	0.52			
4104-0696A-HO	3/24/2009	Actinium-227	4.60	13.61	0.00	0.43	U		
4104-0696A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.11	U		
4104-0696A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.01	0.07	U		
4104-0696A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.08	U		
4104-0696A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.11	U		
4104-0696A-HO	3/24/2009	Lead-210	7.40	19.80	0.95	0.91			
4104-0696A-HO	3/24/2009	Plutonium-238	55.00	165.13	2.98	8.89	U		
4104-0696A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.58	2.13	U		
4104-0696A-HO	3/24/2009	Radium-226	2.90	4.70	0.83	0.18			
4104-0696A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	9.20	U		
4104-0696A-HO	3/24/2009	Thorium-232	2.10	3.50	1.09	0.18			
4104-0696A-HO	3/24/2009	Uranium-238	2.20	4.20	0.97	0.57			
4104-0697A-HO	3/24/2009	Actinium-227	4.60	13.61	0.14	0.41	U		
4104-0697A-HO	3/24/2009	Americium-241	63.00	189.00	0.04	0.09	U		
4104-0697A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.02	0.07	U		
4104-0697A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.08	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0697A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.01	0.09	U		
4104-0697A-HO	3/24/2009	Lead-210	7.40	19.80	0.81	0.89	U		
4104-0697A-HO	3/24/2009	Plutonium-238	55.00	165.13	1.55	8.70	U		
4104-0697A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.24	U		
4104-0697A-HO	3/24/2009	Radium-226	2.90	4.70	0.78	0.20			
4104-0697A-HO	3/24/2009	Thorium-230	2.80	4.60	3.06	8.79	U		
4104-0697A-HO	3/24/2009	Thorium-232	2.10	3.50	0.77	0.29			
4104-0697A-HO	3/24/2009	Uranium-238	2.20	4.20	0.79	0.60			
4104-0698A-HO	3/24/2009	Actinium-227	4.60	13.61	0.00	0.42	U		
4104-0698A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4104-0698A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0698A-HO	3/24/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4104-0698A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4104-0698A-HO	3/24/2009	Lead-210	7.40	19.80	0.32	0.92	U		
4104-0698A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.13	8.38	U		
4104-0698A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.24	U		
4104-0698A-HO	3/24/2009	Radium-226	2.90	4.70	0.59	0.18			
4104-0698A-HO	3/24/2009	Thorium-230	2.80	4.60	2.97	8.75	U		
4104-0698A-HO	3/24/2009	Thorium-232	2.10	3.50	0.69	0.28			
4104-0698A-HO	3/24/2009	Uranium-238	2.20	4.20	1.03	0.55			
4104-0699A-HO	3/24/2009	Actinium-227	4.60	13.61	0.07	0.39	U		
4104-0699A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0699A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.01	0.07	U		
4104-0699A-HO	3/24/2009	Cesium-137	3.80	10.62	0.05	0.06	U		
4104-0699A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0699A-HO	3/24/2009	Lead-210	7.40	19.80	0.54	0.87	U		
4104-0699A-HO	3/24/2009	Plutonium-238	55.00	165.13	2.31	8.22	U		
4104-0699A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.13	U		
4104-0699A-HO	3/24/2009	Radium-226	2.90	4.70	0.54	0.17			
4104-0699A-HO	3/24/2009	Thorium-230	2.80	4.60	1.18	8.52	U		
4104-0699A-HO	3/24/2009	Thorium-232	2.10	3.50	0.44	0.34			
4104-0699A-HO	3/24/2009	Uranium-238	2.20	4.20	0.85	0.53			
4104-0700A-HO	3/24/2009	Actinium-227	4.60	13.61	0.27	0.37	U		
4104-0700A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0700A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0700A-HO	3/24/2009	Cesium-137	3.80	10.62	0.04	0.06	U		
4104-0700A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.04	0.08	U		
4104-0700A-HO	3/24/2009	Lead-210	7.40	19.80	0.62	0.92	U		
4104-0700A-HO	3/24/2009	Plutonium-238	55.00	165.13	4.53	8.29	U		
4104-0700A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.24	U		
4104-0700A-HO	3/24/2009	Radium-226	2.90	4.70	0.89	0.14			
4104-0700A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	9.11	U		
4104-0700A-HO	3/24/2009	Thorium-232	2.10	3.50	0.71	0.26			
4104-0700A-HO	3/24/2009	Uranium-238	2.20	4.20	1.21	0.53			
4104-0701A-HO	3/24/2009	Actinium-227	4.60	13.61	0.21	0.33	U		
4104-0701A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4104-0701A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0701A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4104-0701A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4104-0701A-HO	3/24/2009	Lead-210	7.40	19.80	1.64	0.80			
4104-0701A-HO	3/24/2009	Plutonium-238	55.00	165.13	6.05	8.27	U		
4104-0701A-HO	3/24/2009	Protactinium-231	4.00	11.81	1.14	2.01	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0701A-HO	3/24/2009	Radium-226	2.90	4.70	1.01	0.13			
4104-0701A-HO	3/24/2009	Thorium-230	2.80	4.60	1.97	8.68	U		
4104-0701A-HO	3/24/2009	Thorium-232	2.10	3.50	0.86	0.29			
4104-0701A-HO	3/24/2009	Uranium-238	2.20	4.20	1.15	0.57			
4104-0702A-HO	3/24/2009	Actinium-227	4.60	13.61	0.16	0.37	U		
4104-0702A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0702A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0702A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4104-0702A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0702A-HO	3/24/2009	Lead-210	7.40	19.80	0.79	0.80	U		
4104-0702A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	8.66	U		
4104-0702A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.24	1.91	U		
4104-0702A-HO	3/24/2009	Radium-226	2.90	4.70	0.60	0.16			
4104-0702A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	8.33	U		
4104-0702A-HO	3/24/2009	Thorium-232	2.10	3.50	0.77	0.24			
4104-0702A-HO	3/24/2009	Uranium-238	2.20	4.20	1.17	0.50			
4104-0703A-HO	3/24/2009	Actinium-227	4.60	13.61	0.18	0.35	U		
4104-0703A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0703A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0703A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0703A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.04	0.06	U		
4104-0703A-HO	3/24/2009	Lead-210	7.40	19.80	0.03	0.86	U		
4104-0703A-HO	3/24/2009	Plutonium-238	55.00	165.13	1.01	7.70	U		
4104-0703A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	1.89	U		
4104-0703A-HO	3/24/2009	Radium-226	2.90	4.70	0.73	0.12			
4104-0703A-HO	3/24/2009	Thorium-230	2.80	4.60	1.44	8.20	U		
4104-0703A-HO	3/24/2009	Thorium-232	2.10	3.50	0.72	0.24			
4104-0703A-HO	3/24/2009	Uranium-238	2.20	4.20	0.81	0.52			
4104-0704A-HO	3/24/2009	Actinium-227	4.60	13.61	0.13	0.25	U		
4104-0704A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4104-0704A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4104-0704A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4104-0704A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4104-0704A-HO	3/24/2009	Lead-210	7.40	19.80	0.55	0.53			
4104-0704A-HO	3/24/2009	Plutonium-238	55.00	165.13	2.39	5.70	U		
4104-0704A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.49	1.25	U		
4104-0704A-HO	3/24/2009	Radium-226	2.90	4.70	0.55	0.10			
4104-0704A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	5.83	U		
4104-0704A-HO	3/24/2009	Thorium-232	2.10	3.50	0.28	0.16			
4104-0704A-HO	3/24/2009	Uranium-238	2.20	4.20	0.39	0.38			
4104-0705A-HO	3/24/2009	Actinium-227	4.60	13.61	0.18	0.36	U		
4104-0705A-HO	3/24/2009	Americium-241	63.00	189.00	0.02	0.09	U		
4104-0705A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0705A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4104-0705A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4104-0705A-HO	3/24/2009	Lead-210	7.40	19.80	0.59	0.86	U		
4104-0705A-HO	3/24/2009	Plutonium-238	55.00	165.13	4.09	8.58	U		
4104-0705A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.19	U		
4104-0705A-HO	3/24/2009	Radium-226	2.90	4.70	0.61	0.16			
4104-0705A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	8.38	U		
4104-0705A-HO	3/24/2009	Thorium-232	2.10	3.50	0.82	0.29			
4104-0705A-HO	3/24/2009	Uranium-238	2.20	4.20	1.30	0.52			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0706A-HO	3/24/2009	Actinium-227	4.60	13.61	0.16	0.38	U		
4104-0706A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4104-0706A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.01	0.07	U		
4104-0706A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4104-0706A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.05	0.07	U		
4104-0706A-HO	3/24/2009	Lead-210	7.40	19.80	0.76	0.86	U		
4104-0706A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.75	8.51	U		
4104-0706A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.10	U		
4104-0706A-HO	3/24/2009	Radium-226	2.90	4.70	0.81	0.17			
4104-0706A-HO	3/24/2009	Thorium-230	2.80	4.60	4.11	8.47	U		
4104-0706A-HO	3/24/2009	Thorium-232	2.10	3.50	0.91	0.23			
4104-0706A-HO	3/24/2009	Uranium-238	2.20	4.20	1.36	0.53			
4104-0707A-HO	3/24/2009	Actinium-227	4.60	13.61	0.18	0.37	U		
4104-0707A-HO	3/24/2009	Americium-241	63.00	189.00	0.02	0.09	U		
4104-0707A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0707A-HO	3/24/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4104-0707A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0707A-HO	3/24/2009	Lead-210	7.40	19.80	0.88	0.80			
4104-0707A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	8.55	U		
4104-0707A-HO	3/24/2009	Protactinium-231	4.00	11.81	1.28	1.77	U		
4104-0707A-HO	3/24/2009	Radium-226	2.90	4.70	0.74	0.15			
4104-0707A-HO	3/24/2009	Thorium-230	2.80	4.60	2.04	8.40	U		
4104-0707A-HO	3/24/2009	Thorium-232	2.10	3.50	0.86	0.27			
4104-0707A-HO	3/24/2009	Uranium-238	2.20	4.20	1.03	0.53			
4104-0708A-HO	3/24/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4104-0708A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0708A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0708A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4104-0708A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.04	0.05	U		
4104-0708A-HO	3/24/2009	Lead-210	7.40	19.80	0.83	0.81			
4104-0708A-HO	3/24/2009	Plutonium-238	55.00	165.13	6.25	7.51	U		
4104-0708A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.09	U		
4104-0708A-HO	3/24/2009	Radium-226	2.90	4.70	0.77	0.13			
4104-0708A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	8.00	U		
4104-0708A-HO	3/24/2009	Thorium-232	2.10	3.50	0.65	0.23			
4104-0708A-HO	3/24/2009	Uranium-238	2.20	4.20	1.29	0.52			
4104-0709A-HO	3/24/2009	Actinium-227	4.60	13.61	0.00	0.34	U		
4104-0709A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0709A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4104-0709A-HO	3/24/2009	Cesium-137	3.80	10.62	0.02	0.06	U		
4104-0709A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4104-0709A-HO	3/24/2009	Lead-210	7.40	19.80	0.00	0.84	U		
4104-0709A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	8.05	U		
4104-0709A-HO	3/24/2009	Protactinium-231	4.00	11.81	1.06	1.64	U		
4104-0709A-HO	3/24/2009	Radium-226	2.90	4.70	0.54	0.15			
4104-0709A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	8.14	U		
4104-0709A-HO	3/24/2009	Thorium-232	2.10	3.50	0.67	0.18			
4104-0709A-HO	3/24/2009	Uranium-238	2.20	4.20	1.04	0.47			
4104-0710A-HO	3/24/2009	Actinium-227	4.60	13.61	0.00	0.18	U		
4104-0710A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.04	U		
4104-0710A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.02	0.03	U		
4104-0710A-HO	3/24/2009	Cesium-137	3.80	10.62	0.02	0.02	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0710A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.02	0.03	U		
4104-0710A-HO	3/24/2009	Lead-210	7.40	19.80	0.66	0.37			
4104-0710A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	3.90	U		
4104-0710A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	0.93	U		
4104-0710A-HO	3/24/2009	Radium-226	2.90	4.70	0.69	0.07			
4104-0710A-HO	3/24/2009	Thorium-230	2.80	4.60	0.34	3.86	U		
4104-0710A-HO	3/24/2009	Thorium-232	2.10	3.50	0.73	0.10			
4104-0710A-HO	3/24/2009	Uranium-238	2.20	4.20	0.92	0.24			
4104-0711A-HO	3/24/2009	Actinium-227	4.60	13.61	0.09	0.38	U		
4104-0711A-HO	3/24/2009	Americium-241	63.00	189.00	0.04	0.08	U		
4104-0711A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0711A-HO	3/24/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4104-0711A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4104-0711A-HO	3/24/2009	Lead-210	7.40	19.80	1.09	0.85			
4104-0711A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.80	8.48	U		
4104-0711A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.06	U		
4104-0711A-HO	3/24/2009	Radium-226	2.90	4.70	0.95	0.13			
4104-0711A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	8.17	U		
4104-0711A-HO	3/24/2009	Thorium-232	2.10	3.50	0.55	0.29			
4104-0711A-HO	3/24/2009	Uranium-238	2.20	4.20	0.77	0.55			
4104-0712A-HO	3/24/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4104-0712A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4104-0712A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4104-0712A-HO	3/24/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4104-0712A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4104-0712A-HO	3/24/2009	Lead-210	7.40	19.80	1.48	0.83			
4104-0712A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	9.08	U		
4104-0712A-HO	3/24/2009	Protactinium-231	4.00	11.81	1.06	1.84	U		
4104-0712A-HO	3/24/2009	Radium-226	2.90	4.70	0.74	0.14			
4104-0712A-HO	3/24/2009	Thorium-230	2.80	4.60	0.00	8.90	U		
4104-0712A-HO	3/24/2009	Thorium-232	2.10	3.50	0.80	0.23			
4104-0712A-HO	3/24/2009	Uranium-238	2.20	4.20	1.16	0.45			
4104-0713A-HO	3/24/2009	Actinium-227	4.60	13.61	0.14	0.33	U		
4104-0713A-HO	3/24/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4104-0713A-HO	3/24/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4104-0713A-HO	3/24/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4104-0713A-HO	3/24/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4104-0713A-HO	3/24/2009	Lead-210	7.40	19.80	1.26	0.72			
4104-0713A-HO	3/24/2009	Plutonium-238	55.00	165.13	0.00	7.39	U		
4104-0713A-HO	3/24/2009	Protactinium-231	4.00	11.81	0.00	2.02	U		
4104-0713A-HO	3/24/2009	Radium-226	2.90	4.70	0.73	0.14			
4104-0713A-HO	3/24/2009	Thorium-230	2.80	4.60	0.54	7.83	U		
4104-0713A-HO	3/24/2009	Thorium-232	2.10	3.50	0.42	0.25			
4104-0713A-HO	3/24/2009	Uranium-238	2.20	4.20	0.87	0.49			

CO	Cleanup Objective
HS	Hot Spot Criteria
A-HO	Hot Spot Location - Original
"X"-HO	Hot Spot Location - Remediate and Resample (ie. B, C, etc.)
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit

3006XXXXXX-100426000I

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0615A-HO	3/30/2009	Actinium 227	4.60	13.61	-0.04	1.1	U		
4104-0615A-HO	3/30/2009	Actinium 228	1.93	5.80	1.36	0.22			
4104-0615A-HO	3/30/2009	Americium 241	63.00	189.00	0.04	0.18	U		
4104-0615A-HO	3/30/2009	Bismuth 214	1.17	3.51	0.79	0.16			
4104-0615A-HO	3/30/2009	Bismuth-207	1.20	3.60	0	0.088	U		
4104-0615A-HO	3/30/2009	Bismuth-210M	8.30	24.90	0.026	0.091	U		
4104-0615A-HO	3/30/2009	Cesium 137	3.80	10.62	0	0.097	U		
4104-0615A-HO	3/30/2009	Cobalt 60	0.70	2.10	-0.021	0.12	U		
4104-0615A-HO	3/30/2009	Lead 210	7.40	19.80	1.3	2.2	U		
4104-0615A-HO	3/30/2009	Lead 212	16.60	49.80	1.24	0.11			
4104-0615A-HO	3/30/2009	Lead 214	8.92	26.80	0.93	0.17			
4104-0615A-HO	3/30/2009	Plutonium 238	55.00	165.13	0.141	0.03			
4104-0615A-HO	3/30/2009	Plutonium 239/40	62.00	181.00	0.044	0.024			
4104-0615A-HO	3/30/2009	Protactinium 231	4.00	11.81	-0.6	2.1	U		
4104-0615A-HO	3/30/2009	Radium (226)	2.90	4.70	0.79	0.16			
4104-0615A-HO	3/30/2009	Thorium 228	2.60	4.80	1.48	0.06			
4104-0615A-HO	3/30/2009	Thorium 229	5.06	15.20	-0.32	1.1	U		
4104-0615A-HO	3/30/2009	Thorium 230	2.80	4.60	1.42	0.09			
4104-0615A-HO	3/30/2009	Thorium 232	2.10	3.50	1.27	0.06			
4104-0615A-HO	3/30/2009	Uranium 233/234	2.00	14.50	0.89	0.08			
4104-0615A-HO	3/30/2009	Uranium 235	3.10	9.29	0.05	0.39	U		
4104-0615A-HO	3/30/2009	Uranium 235	3.10	9.29	0.011	0.07	U		
4104-0615A-HO	3/30/2009	Uranium 238	2.2	4.2	1	1.4	U		
4104-0615A-HO	3/30/2009	Uranium 238	2.2	4.2	0.75	0.07			
4104-0634A-HO	4/8/2009	Actinium 227	4.60	13.61	-0.02	1.1	U		
4104-0634A-HO	4/8/2009	Actinium 228	1.93	5.80	1.12	0.24			
4104-0634A-HO	4/8/2009	Americium 241	63.00	189.00	0.017	0.16	U		
4104-0634A-HO	4/8/2009	Bismuth 214	1.17	3.51	0.83	0.13			
4104-0634A-HO	4/8/2009	Bismuth-207	1.20	3.60	-0.013	0.066	U		
4104-0634A-HO	4/8/2009	Bismuth-210M	8.30	24.90	-0.006	0.093	U		
4104-0634A-HO	4/8/2009	Cesium 137	3.80	10.62	0.004	0.067	U		
4104-0634A-HO	4/8/2009	Cobalt 60	0.70	2.10	0.018	0.092	U		
4104-0634A-HO	4/8/2009	Lead 210	7.40	19.80	1.6	2.2	U		
4104-0634A-HO	4/8/2009	Lead 212	16.60	49.80	1.18	0.11			
4104-0634A-HO	4/8/2009	Lead 214	8.92	26.80	0.9	0.12			
4104-0634A-HO	4/8/2009	Plutonium 238	55.00	165.13	0.101	0.04			
4104-0634A-HO	4/8/2009	Plutonium 239/40	62.00	181.00	0.025	0.029	U		
4104-0634A-HO	4/8/2009	Protactinium 231	4.00	11.81	-0.5	1.8	U		
4104-0634A-HO	4/8/2009	Radium (226)	2.90	4.70	0.83	0.13			
4104-0634A-HO	4/8/2009	Thorium 228	2.60	4.80	1.18	0.06			
4104-0634A-HO	4/8/2009	Thorium 229	5.06	15.20	0.2	0.8	U		
4104-0634A-HO	4/8/2009	Thorium 230	2.80	4.60	1.04	0.05			
4104-0634A-HO	4/8/2009	Thorium 232	2.10	3.50	1	0.02			
4104-0634A-HO	4/8/2009	Uranium 233/234	2.00	14.50	0.73	0.07			
4104-0634A-HO	4/8/2009	Uranium 235	3.10	9.29	0.16	0.33	U		
4104-0634A-HO	4/8/2009	Uranium 235	3.10	9.29	0.027	0.045	U		
4104-0634A-HO	4/8/2009	Uranium 238	2.2	4.2	1.79	1.4			
4104-0634A-HO	4/8/2009	Uranium 238	2.2	4.2	0.93	0.06			
4104-0639A-HD	3/31/2009	Actinium 227	4.60	13.61	-1.08	0.74	U		
4104-0639A-HD	3/31/2009	Actinium 228	1.93	5.80	1.38	0.22			
4104-0639A-HD	3/31/2009	Americium 241	63.00	189.00	-0.009	0.17	U		
4104-0639A-HD	3/31/2009	Bismuth 214	1.17	3.51	0.85	0.1			
4104-0639A-HD	3/31/2009	Bismuth-207	1.20	3.60	-0.015	0.078	U		
4104-0639A-HD	3/31/2009	Bismuth-210M	8.30	24.90	-0.009	0.087	U		
4104-0639A-HD	3/31/2009	Cesium 137	3.80	10.62	0.01	0.085	U		
4104-0639A-HD	3/31/2009	Cobalt 60	0.70	2.10	-0.013	0.11	U		
4104-0639A-HD	3/31/2009	Lead 210	7.40	19.80	1.7	2.3	U		
4104-0639A-HD	3/31/2009	Lead 212	16.60	49.80	1.23	0.11			
4104-0639A-HD	3/31/2009	Lead 214	8.92	26.80	0.98	0.13			
4104-0639A-HD	3/31/2009	Plutonium 238	55.00	165.13	0.0023	0.0061	U		
4104-0639A-HD	3/31/2009	Plutonium 239/40	62.00	181.00	0.009	0.0061	J		
4104-0639A-HD	3/31/2009	Protactinium 231	4.00	11.81	0.63	1.8	U		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0639A-HD	3/31/2009	Radium (226)	2.90	4.70	0.85	0.1			
4104-0639A-HD	3/31/2009	Thorium 228	2.60	4.80	0.95	0.06			
4104-0639A-HD	3/31/2009	Thorium 229	5.06	15.20	-0.09	0.77	U		
4104-0639A-HD	3/31/2009	Thorium 230	2.80	4.60	1.18	0.06			
4104-0639A-HD	3/31/2009	Thorium 232	2.10	3.50	1.08	0.04			
4104-0639A-HD	3/31/2009	Uranium 233/234	2.00	14.50	0.95	0.07			
4104-0639A-HD	3/31/2009	Uranium 235	3.10	9.29	0.002	0.35	U		
4104-0639A-HD	3/31/2009	Uranium 235	3.10	9.29	0.081	0.047	J		
4104-0639A-HD	3/31/2009	Uranium 238	2.2	4.2	1.77	1.4			
4104-0639A-HD	3/31/2009	Uranium 238	2.2	4.2	0.93	0.04			
4104-0639A-HO	3/31/2009	Actinium 227	4.60	13.61	0	1.2	U		
4104-0639A-HO	3/31/2009	Actinium 228	1.93	5.80	1.47	0.24			
4104-0639A-HO	3/31/2009	Americium 241	63.00	189.00	-0.008	0.21	U		
4104-0639A-HO	3/31/2009	Bismuth 214	1.17	3.51	0.87	0.16			
4104-0639A-HO	3/31/2009	Bismuth-207	1.20	3.60	-0.012	0.075	U		
4104-0639A-HO	3/31/2009	Bismuth-210M	8.30	24.90	-0.027	0.11	U		
4104-0639A-HO	3/31/2009	Cesium 137	3.80	10.62	0.002	0.091	U		
4104-0639A-HO	3/31/2009	Cobalt 60	0.70	2.10	0.007	0.11	U		
4104-0639A-HO	3/31/2009	Lead 210	7.40	19.80	2.9	2.6	J		
4104-0639A-HO	3/31/2009	Lead 212	16.60	49.80	1.36	0.14			
4104-0639A-HO	3/31/2009	Lead 214	8.92	26.80	1.12	0.19			
4104-0639A-HO	3/31/2009	Plutonium 238	55.00	165.13	0.021	0.006			
4104-0639A-HO	3/31/2009	Plutonium 239/40	62.00	181.00	0.016	0.006	J		
4104-0639A-HO	3/31/2009	Protactinium 231	4.00	11.81	-0.01	2.1	U		
4104-0639A-HO	3/31/2009	Radium (226)	2.90	4.70	0.87	0.16			
4104-0639A-HO	3/31/2009	Thorium 228	2.60	4.80	1.08	0.07			
4104-0639A-HO	3/31/2009	Thorium 229	5.06	15.20	-0.34	1.2	U		
4104-0639A-HO	3/31/2009	Thorium 230	2.80	4.60	1.25	0.04			
4104-0639A-HO	3/31/2009	Thorium 232	2.10	3.50	1.05	0.04			
4104-0639A-HO	3/31/2009	Uranium 233/234	2.00	14.50	1.01	0.04			
4104-0639A-HO	3/31/2009	Uranium 235	3.10	9.29	0.04	0.45	U		
4104-0639A-HO	3/31/2009	Uranium 235	3.10	9.29	0.13	0.055	J		
4104-0639A-HO	3/31/2009	Uranium 238	2.2	4.2	0.7	2.1	U		
4104-0639A-HO	3/31/2009	Uranium 238	2.2	4.2	0.91	0.04			
4104-0651A-HO	3/25/2009	Actinium 227	4.60	13.61	0.009	1.2	U		
4104-0651A-HO	3/25/2009	Actinium 228	1.93	5.80	1.32	0.15			
4104-0651A-HO	3/25/2009	Americium 241	63.00	189.00	-0.01	0.18	U		
4104-0651A-HO	3/25/2009	Bismuth 214	1.17	3.51	0.95	0.15			
4104-0651A-HO	3/25/2009	Bismuth-207	1.20	3.60	0.01	0.066	U		
4104-0651A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.022	0.098	U		
4104-0651A-HO	3/25/2009	Cesium 137	3.80	10.62	-0.04	0.1	U		
4104-0651A-HO	3/25/2009	Cobalt 60	0.70	2.10	-0.017	0.094	U		
4104-0651A-HO	3/25/2009	Lead 210	7.40	19.80	0.3	2.2	U		
4104-0651A-HO	3/25/2009	Lead 212	16.60	49.80	1.23	0.13			
4104-0651A-HO	3/25/2009	Lead 214	8.92	26.80	0.89	0.13			
4104-0651A-HO	3/25/2009	Plutonium 238	55.00	165.13	0.0107	0.0058	J		
4104-0651A-HO	3/25/2009	Plutonium 239/40	62.00	181.00	0.028	0.006			
4104-0651A-HO	3/25/2009	Protactinium 231	4.00	11.81	-0.7	2	U		
4104-0651A-HO	3/25/2009	Radium (226)	2.90	4.70	0.95	0.15			
4104-0651A-HO	3/25/2009	Thorium 228	2.60	4.80	1.34	0.06			
4104-0651A-HO	3/25/2009	Thorium 229	5.06	15.20	0.005	0.93	U		
4104-0651A-HO	3/25/2009	Thorium 230	2.80	4.60	1.18	0.05			
4104-0651A-HO	3/25/2009	Thorium 232	2.10	3.50	1.4	0.04			
4104-0651A-HO	3/25/2009	Uranium 233/234	2.00	14.50	0.92	0.08			
4104-0651A-HO	3/25/2009	Uranium 235	3.10	9.29	0.06	0.37	U		
4104-0651A-HO	3/25/2009	Uranium 235	3.10	9.29	0.116	0.054	J		
4104-0651A-HO	3/25/2009	Uranium 238	2.2	4.2	1.5	1.6	U		
4104-0651A-HO	3/25/2009	Uranium 238	2.2	4.2	1.2	0.03			
4104-0652A-HO	3/25/2009	Actinium 227	4.60	13.61	0.1	1	U		
4104-0652A-HO	3/25/2009	Actinium 228	1.93	5.80	1.19	0.15			
4104-0652A-HO	3/25/2009	Americium 241	63.00	189.00	0.043	0.13	U		
4104-0652A-HO	3/25/2009	Bismuth 214	1.17	3.51	0.69	0.11			

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0652A-HO	3/25/2009	Bismuth-207	1.20	3.60	0.01	0.048	U		
4104-0652A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.009	0.076	U		
4104-0652A-HO	3/25/2009	Cesium 137	3.80	10.62	0.018	0.066	U		
4104-0652A-HO	3/25/2009	Cobalt 60	0.70	2.10	-0.016	0.081	U		
4104-0652A-HO	3/25/2009	Lead 210	7.40	19.80	0.8	1.8	U		
4104-0652A-HO	3/25/2009	Lead 212	16.60	49.80	1.17	0.07			
4104-0652A-HO	3/25/2009	Lead 214	8.92	26.80	0.77	0.1			
4104-0652A-HO	3/25/2009	Plutonium 238	55.00	165.13	0.018	0.032	U		
4104-0652A-HO	3/25/2009	Plutonium 239/40	62.00	181.00	0.032	0.021			
4104-0652A-HO	3/25/2009	Protactinium 231	4.00	11.81	-0.8	1.5	U		
4104-0652A-HO	3/25/2009	Radium (226)	2.90	4.70	0.69	0.11			
4104-0652A-HO	3/25/2009	Thorium 228	2.60	4.80	1.1	0.07			
4104-0652A-HO	3/25/2009	Thorium 229	5.06	15.20	-0.33	0.8	U		
4104-0652A-HO	3/25/2009	Thorium 230	2.80	4.60	0.82	0.06			
4104-0652A-HO	3/25/2009	Thorium 232	2.10	3.50	1.02	0.05			
4104-0652A-HO	3/25/2009	Uranium 233/234	2.00	14.50	1.01	0.05			
4104-0652A-HO	3/25/2009	Uranium 235	3.10	9.29	0.05	0.29	U		
4104-0652A-HO	3/25/2009	Uranium 235	3.10	9.29	0.04	0.049	U		
4104-0652A-HO	3/25/2009	Uranium 238	2.2	4.2	1.72	1.2			
4104-0652A-HO	3/25/2009	Uranium 238	2.2	4.2	0.87	0.06			
4104-0657A-HO	3/31/2009	Actinium 227	4.60	13.61	0.07	1.1	U		
4104-0657A-HO	3/31/2009	Actinium 228	1.93	5.80	1.35	0.21			
4104-0657A-HO	3/31/2009	Americium 241	63.00	189.00	0.006	0.18	U		
4104-0657A-HO	3/31/2009	Bismuth 214	1.17	3.51	0.8	0.14			
4104-0657A-HO	3/31/2009	Bismuth-207	1.20	3.60	0.013	0.053	U		
4104-0657A-HO	3/31/2009	Bismuth-210M	8.30	24.90	-0.025	0.086	U		
4104-0657A-HO	3/31/2009	Cesium 137	3.80	10.62	0	0.086	U		
4104-0657A-HO	3/31/2009	Cobalt 60	0.70	2.10	0.016	0.06	U		
4104-0657A-HO	3/31/2009	Lead 210	7.40	19.80	0.6	1.9	U		
4104-0657A-HO	3/31/2009	Lead 212	16.60	49.80	1.37	0.1			
4104-0657A-HO	3/31/2009	Lead 214	8.92	26.80	0.93	0.16			
4104-0657A-HO	3/31/2009	Plutonium 238	55.00	165.13	0.02	0.018	J		
4104-0657A-HO	3/31/2009	Plutonium 239/40	62.00	181.00	0.016	0.018	U		
4104-0657A-HO	3/31/2009	Protactinium 231	4.00	11.81	-1	2	U		
4104-0657A-HO	3/31/2009	Radium (226)	2.90	4.70	0.8	0.14			
4104-0657A-HO	3/31/2009	Thorium 228	2.60	4.80	1.27	0.07			
4104-0657A-HO	3/31/2009	Thorium 229	5.06	15.20	0.37	1	U		
4104-0657A-HO	3/31/2009	Thorium 230	2.80	4.60	1.38	0.07			
4104-0657A-HO	3/31/2009	Thorium 232	2.10	3.50	1.27	0.07			
4104-0657A-HO	3/31/2009	Uranium 233/234	2.00	14.50	1.02	0.06			
4104-0657A-HO	3/31/2009	Uranium 235	3.10	9.29	0.09	0.4	U		
4104-0657A-HO	3/31/2009	Uranium 235	3.10	9.29	0.084	0.032	J		
4104-0657A-HO	3/31/2009	Uranium 238	2.2	4.2	2	1.8			
4104-0657A-HO	3/31/2009	Uranium 238	2.2	4.2	1.11	0.04			
4104-0661A-HO	3/25/2009	Actinium 227	4.60	13.61	-0.03	1	U		
4104-0661A-HO	3/25/2009	Actinium 228	1.93	5.80	1.13	0.17			
4104-0661A-HO	3/25/2009	Americium 241	63.00	189.00	0.007	0.14	U		
4104-0661A-HO	3/25/2009	Bismuth 214	1.17	3.51	0.9	0.11			
4104-0661A-HO	3/25/2009	Bismuth-207	1.20	3.60	0.004	0.063	U		
4104-0661A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.033	0.069	U		
4104-0661A-HO	3/25/2009	Cesium 137	3.80	10.62	0.028	0.062	U		
4104-0661A-HO	3/25/2009	Cobalt 60	0.70	2.10	0.024	0.068	U		
4104-0661A-HO	3/25/2009	Lead 210	7.40	19.80	1.5	2.2	U		
4104-0661A-HO	3/25/2009	Lead 212	16.60	49.80	1.11	0.09			
4104-0661A-HO	3/25/2009	Lead 214	8.92	26.80	0.92	0.11			
4104-0661A-HO	3/25/2009	Plutonium 238	55.00	165.13	0.045	0.029			
4104-0661A-HO	3/25/2009	Plutonium 239/40	62.00	181.00	0.0039	0.014	U		
4104-0661A-HO	3/25/2009	Protactinium 231	4.00	11.81	-0.4	1.8	U		
4104-0661A-HO	3/25/2009	Radium (226)	2.90	4.70	0.9	0.11			
4104-0661A-HO	3/25/2009	Thorium 228	2.60	4.80	1.09	0.08			
4104-0661A-HO	3/25/2009	Thorium 229	5.06	15.20	-0.07	0.83	U		
4104-0661A-HO	3/25/2009	Thorium 230	2.80	4.60	1.31	0.07			

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0661A-HO	3/25/2009	Thorium 232	2.10	3.50	1.03	0.05			
4104-0661A-HO	3/25/2009	Uranium 233/234	2.00	14.50	0.74	0.07			
4104-0661A-HO	3/25/2009	Uranium 235	3.10	9.29	0.14	0.31	U		
4104-0661A-HO	3/25/2009	Uranium 235	3.10	9.29	0.098	0.033	J		
4104-0661A-HO	3/25/2009	Uranium 238	2.2	4.2	1.03	1.3	U		
4104-0661A-HO	3/25/2009	Uranium 238	2.2	4.2	1	0.07			
4104-0668A-HO	3/25/2009	Actinium 227	4.60	13.61	0.04	1.2	U		
4104-0668A-HO	3/25/2009	Actinium 228	1.93	5.80	1.38	0.19			
4104-0668A-HO	3/25/2009	Americium 241	63.00	189.00	0.006	0.2	U		
4104-0668A-HO	3/25/2009	Bismuth 214	1.17	3.51	0.99	0.14			
4104-0668A-HO	3/25/2009	Bismuth-207	1.20	3.60	-0.015	0.082	U		
4104-0668A-HO	3/25/2009	Bismuth-210M	8.30	24.90	0.029	0.1	U		
4104-0668A-HO	3/25/2009	Cesium 137	3.80	10.62	-0.016	0.092	U		
4104-0668A-HO	3/25/2009	Cobalt 60	0.70	2.10	0.003	0.11	U		
4104-0668A-HO	3/25/2009	Lead 210	7.40	19.80	0.9	2.4	U		
4104-0668A-HO	3/25/2009	Lead 212	16.60	49.80	1.32	0.13			
4104-0668A-HO	3/25/2009	Lead 214	8.92	26.80	0.92	0.16			
4104-0668A-HO	3/25/2009	Plutonium 238	55.00	165.13	0.0023	0.0063	U		
4104-0668A-HO	3/25/2009	Plutonium 239/40	62.00	181.00	0.0046	0.0063	U		
4104-0668A-HO	3/25/2009	Protactinium 231	4.00	11.81	0.97	2.2	U		
4104-0668A-HO	3/25/2009	Radium (226)	2.90	4.70	0.99	0.14			
4104-0668A-HO	3/25/2009	Thorium 228	2.60	4.80	1	0.09			
4104-0668A-HO	3/25/2009	Thorium 229	5.06	15.20	-0.01	0.98	U		
4104-0668A-HO	3/25/2009	Thorium 230	2.80	4.60	1.16	0.05			
4104-0668A-HO	3/25/2009	Thorium 232	2.10	3.50	1.32	0.04			
4104-0668A-HO	3/25/2009	Uranium 233/234	2.00	14.50	0.93	0.05			
4104-0668A-HO	3/25/2009	Uranium 235	3.10	9.29	0.05	0.44	U		
4104-0668A-HO	3/25/2009	Uranium 235	3.10	9.29	0.065	0.053	J		
4104-0668A-HO	3/25/2009	Uranium 238	2.2	4.2	0.4	2.1	U		
4104-0668A-HO	3/25/2009	Uranium 238	2.2	4.2	0.95	0.05			
4104-0689A-HO	4/2/2009	Actinium 227	4.60	13.61	0.02	1.1	U		
4104-0689A-HO	4/2/2009	Actinium 228	1.93	5.80	1.39	0.23			
4104-0689A-HO	4/2/2009	Americium 241	63.00	189.00	0.03	0.18	U		
4104-0689A-HO	4/2/2009	Bismuth 214	1.17	3.51	0.91	0.15			
4104-0689A-HO	4/2/2009	Bismuth-207	1.20	3.60	-0.002	0.061	U		
4104-0689A-HO	4/2/2009	Bismuth-210M	8.30	24.90	-0.014	0.1	U		
4104-0689A-HO	4/2/2009	Cesium 137	3.80	10.62	-0.02	0.09	U		
4104-0689A-HO	4/2/2009	Cobalt 60	0.70	2.10	0.008	0.1	U		
4104-0689A-HO	4/2/2009	Lead 210	7.40	19.80	1.5	1.8	U		
4104-0689A-HO	4/2/2009	Lead 212	16.60	49.80	1.25	0.11			
4104-0689A-HO	4/2/2009	Lead 214	8.92	26.80	0.91	0.15			
4104-0689A-HO	4/2/2009	Plutonium 238	55.00	165.13	0	0.0059	U		
4104-0689A-HO	4/2/2009	Plutonium 239/40	62.00	181.00	0.0088	0.0059	J		
4104-0689A-HO	4/2/2009	Protactinium 231	4.00	11.81	-0.5	1.8	U		
4104-0689A-HO	4/2/2009	Radium (226)	2.90	4.70	0.91	0.15			
4104-0689A-HO	4/2/2009	Thorium 228	2.60	4.80	1.28	0.08			
4104-0689A-HO	4/2/2009	Thorium 229	5.06	15.20	-0.46	1.1	U		
4104-0689A-HO	4/2/2009	Thorium 230	2.80	4.60	1.48	0.07			
4104-0689A-HO	4/2/2009	Thorium 232	2.10	3.50	1.29	0.05			
4104-0689A-HO	4/2/2009	Uranium 233/234	2.00	14.50	1.1	0.05			
4104-0689A-HO	4/2/2009	Uranium 235	3.10	9.29	0.01	0.37	U		
4104-0689A-HO	4/2/2009	Uranium 235	3.10	9.29	0.035	0.053	U		
4104-0689A-HO	4/2/2009	Uranium 238	2.2	4.2	1.07	1.4	U		
4104-0689A-HO	4/2/2009	Uranium 238	2.2	4.2	0.88	0.05			
4104-0692A-HO	4/8/2009	Actinium 227	4.60	13.61	0.04	1.1	U		
4104-0692A-HO	4/8/2009	Actinium 228	1.93	5.80	0.99	0.28			
4104-0692A-HO	4/8/2009	Americium 241	63.00	189.00	0.04	0.17	U		
4104-0692A-HO	4/8/2009	Bismuth 214	1.17	3.51	0.75	0.14			
4104-0692A-HO	4/8/2009	Bismuth-207	1.20	3.60	0.008	0.05	U		
4104-0692A-HO	4/8/2009	Bismuth-210M	8.30	24.90	0.002	0.09	U		
4104-0692A-HO	4/8/2009	Cesium 137	3.80	10.62	-0.012	0.091	U		
4104-0692A-HO	4/8/2009	Cobalt 60	0.70	2.10	0.02	0.09	U		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0692A-HO	4/8/2009	Lead 210	7.40	19.80	1.1	1.7	U		
4104-0692A-HO	4/8/2009	Lead 212	16.60	49.80	1.03	0.1			
4104-0692A-HO	4/8/2009	Lead 214	8.92	26.80	0.79	0.12			
4104-0692A-HO	4/8/2009	Plutonium 238	55.00	165.13	0.0021	0.0056	U		
4104-0692A-HO	4/8/2009	Plutonium 239/40	62.00	181.00	0	0.015	U		
4104-0692A-HO	4/8/2009	Protactinium 231	4.00	11.81	0.61	1.7	U		
4104-0692A-HO	4/8/2009	Radium (226)	2.90	4.70	0.75	0.14			
4104-0692A-HO	4/8/2009	Thorium 228	2.60	4.80	1.15	0.1			
4104-0692A-HO	4/8/2009	Thorium 229	5.06	15.20	-0.24	0.78	U		
4104-0692A-HO	4/8/2009	Thorium 230	2.80	4.60	1.29	0.07			
4104-0692A-HO	4/8/2009	Thorium 232	2.10	3.50	1.32	0.05			
4104-0692A-HO	4/8/2009	Uranium 233/234	2.00	14.50	0.7	0.07			
4104-0692A-HO	4/8/2009	Uranium 235	3.10	9.29	0.1	0.34	U		
4104-0692A-HO	4/8/2009	Uranium 235	3.10	9.29	0.038	0.046	U		
4104-0692A-HO	4/8/2009	Uranium 238	2.2	4.2	0.51	1.6	U		
4104-0692A-HO	4/8/2009	Uranium 238	2.2	4.2	0.92	0.02			
4104-0697A-HO	3/24/2009	Actinium 227	4.60	13.61	-0.48	0.56	U		
4104-0697A-HO	3/24/2009	Actinium 228	1.93	5.80	1.37	0.19			
4104-0697A-HO	3/24/2009	Americium 241	63.00	189.00	-0.002	0.14	U		
4104-0697A-HO	3/24/2009	Bismuth 214	1.17	3.51	0.86	0.13			
4104-0697A-HO	3/24/2009	Bismuth-207	1.20	3.60	-0.006	0.057	U		
4104-0697A-HO	3/24/2009	Bismuth-210M	8.30	24.90	-0.007	0.087	U		
4104-0697A-HO	3/24/2009	Cesium 137	3.80	10.62	-0.012	0.073	U		
4104-0697A-HO	3/24/2009	Cobalt 60	0.70	2.10	-0.013	0.073	U		
4104-0697A-HO	3/24/2009	Lead 210	7.40	19.80	0.7	1.8	U		
4104-0697A-HO	3/24/2009	Lead 212	16.60	49.80	1.07	0.11			
4104-0697A-HO	3/24/2009	Lead 214	8.92	26.80	0.88	0.14			
4104-0697A-HO	3/24/2009	Plutonium 238	55.00	165.13	0	0.015	U		
4104-0697A-HO	3/24/2009	Plutonium 239/40	62.00	181.00	0.016	0.018	U		
4104-0697A-HO	3/24/2009	Protactinium 231	4.00	11.81	0.75	1.3	U		
4104-0697A-HO	3/24/2009	Radium (226)	2.90	4.70	0.86	0.13			
4104-0697A-HO	3/24/2009	Thorium 228	2.60	4.80	1.15	0.09			
4104-0697A-HO	3/24/2009	Thorium 229	5.06	15.20	-0.09	0.96	U		
4104-0697A-HO	3/24/2009	Thorium 230	2.80	4.60	1.26	0.08			
4104-0697A-HO	3/24/2009	Thorium 232	2.10	3.50	1.32	0.03			
4104-0697A-HO	3/24/2009	Uranium 233/234	2.00	14.50	0.8	0.06			
4104-0697A-HO	3/24/2009	Uranium 235	3.10	9.29	-0.06	0.3	U		
4104-0697A-HO	3/24/2009	Uranium 235	3.10	9.29	0.062	0.063	U		
4104-0697A-HO	3/24/2009	Uranium 238	2.2	4.2	1.09	1.3	U		
4104-0697A-HO	3/24/2009	Uranium 238	2.2	4.2	0.9	0.03			
4104-0700A-HO	3/24/2009	Actinium 227	4.60	13.61	0.01	0.46	U		
4104-0700A-HO	3/24/2009	Actinium 228	1.93	5.80	1.41	0.16			
4104-0700A-HO	3/24/2009	Americium 241	63.00	189.00	0.07	0.19	U		
4104-0700A-HO	3/24/2009	Bismuth 214	1.17	3.51	1	0.15			
4104-0700A-HO	3/24/2009	Bismuth-207	1.20	3.60	0.0008	0.059	U		
4104-0700A-HO	3/24/2009	Bismuth-210M	8.30	24.90	-0.016	0.098	U		
4104-0700A-HO	3/24/2009	Cesium 137	3.80	10.62	0.009	0.08	U		
4104-0700A-HO	3/24/2009	Cobalt 60	0.70	2.10	0	0.093	U		
4104-0700A-HO	3/24/2009	Lead 210	7.40	19.80	0.8	2.1	U		
4104-0700A-HO	3/24/2009	Lead 212	16.60	49.80	1.21	0.1			
4104-0700A-HO	3/24/2009	Lead 214	8.92	26.80	1.06	0.14			
4104-0700A-HO	3/24/2009	Plutonium 238	55.00	165.13	0.0043	0.0058	U		
4104-0700A-HO	3/24/2009	Plutonium 239/40	62.00	181.00	0.026	0.016			
4104-0700A-HO	3/24/2009	Protactinium 231	4.00	11.81	-0.07	2.1	U		
4104-0700A-HO	3/24/2009	Radium (226)	2.90	4.70	1	0.15			
4104-0700A-HO	3/24/2009	Thorium 228	2.60	4.80	1.49	0.09			
4104-0700A-HO	3/24/2009	Thorium 229	5.06	15.20	0.3	0.82	U		
4104-0700A-HO	3/24/2009	Thorium 230	2.80	4.60	1.35	0.05			
4104-0700A-HO	3/24/2009	Thorium 232	2.10	3.50	1.14	0.06			
4104-0700A-HO	3/24/2009	Uranium 233/234	2.00	14.50	1.05	0.06			
4104-0700A-HO	3/24/2009	Uranium 235	3.10	9.29	0.09	0.38	U		
4104-0700A-HO	3/24/2009	Uranium 235	3.10	9.29	0.017	0.044	U		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0700A-HO	3/24/2009	Uranium 238	2.2	4.2	1.6	1.6	U		
4104-0700A-HO	3/24/2009	Uranium 238	2.2	4.2	0.92	0.04			
CO	Cleanup Objective								
HS	Hot Spot Criteria								
A-HO	Hot Spot location - original								
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit								
J	The associated numerical value is an estimated quantity								

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0714A-FO	4/22/2009	Actinium 227	4.60	13.61	-0.28	0.58	U		
4104-0714A-FO	4/22/2009	Actinium 228	1.93	5.80	0.51	0.34			
4104-0714A-FO	4/22/2009	Americium 241	63.00	189.00	-0.04	0.18	U		
4104-0714A-FO	4/22/2009	Bismuth 214	1.17	3.51	0.55	0.05			
4104-0714A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.00	0.08	U		
4104-0714A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.01	0.08	U		
4104-0714A-FO	4/22/2009	Cesium 137	3.80	10.62	0.00	0.10	U		
4104-0714A-FO	4/22/2009	Cobalt 60	0.70	2.10	0.00	0.10	U		
4104-0714A-FO	4/22/2009	Lead 210	7.40	19.80	0.02	2.20	U		
4104-0714A-FO	4/22/2009	Lead 212	16.60	49.80	0.60	0.11			
4104-0714A-FO	4/22/2009	Lead 214	8.92	26.80	0.80	0.08			
4104-0714A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.12	0.02			
4104-0714A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.00	0.02	U		
4104-0714A-FO	4/22/2009	Protactinium 231	4.00	11.81	0.03	1.90	U		
4104-0714A-FO	4/22/2009	Radium (226)	2.90	4.70	0.55	0.05			
4104-0714A-FO	4/22/2009	Thorium 228	2.60	4.80	0.81	0.07			
4104-0714A-FO	4/22/2009	Thorium 229	5.06	15.20	-0.22	1.10	U		
4104-0714A-FO	4/22/2009	Thorium 230	2.80	4.60	0.84	0.06			
4104-0714A-FO	4/22/2009	Thorium 232	2.10	3.50	0.80	0.04			
4104-0714A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.63	0.04			
4104-0714A-FO	4/22/2009	Uranium 235	3.10	9.29	-0.03	0.40	U		
4104-0714A-FO	4/22/2009	Uranium 235	3.10	9.29	0.02	0.03	U		
4104-0714A-FO	4/22/2009	Uranium 238	2.2	4.2	0.65	1.60	U		
4104-0714A-FO	4/22/2009	Uranium 238	2.2	4.2	0.60	0.02			
4104-0715A-FO	4/22/2009	Actinium 227	4.60	13.61	-0.34	0.93	U		
4104-0715A-FO	4/22/2009	Actinium 228	1.93	5.80	1.10	0.17			
4104-0715A-FO	4/22/2009	Americium 241	63.00	189.00	0.06	0.26	U		
4104-0715A-FO	4/22/2009	Bismuth 214	1.17	3.51	0.78	0.08			
4104-0715A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.04	0.10	U		
4104-0715A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.00	0.16	U		
4104-0715A-FO	4/22/2009	Cesium 137	3.80	10.62	-0.02	0.15	U		
4104-0715A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.03	0.17	U		
4104-0715A-FO	4/22/2009	Lead 210	7.40	19.80	2.70	2.80	U		
4104-0715A-FO	4/22/2009	Lead 212	16.60	49.80	1.09	0.18			
4104-0715A-FO	4/22/2009	Lead 214	8.92	26.80	0.76	0.17			
4104-0715A-FO	4/22/2009	Plutonium 238	55.00	165.13	1.37	0.03			
4104-0715A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.02	0.02	U		
4104-0715A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.50	2.70	U		
4104-0715A-FO	4/22/2009	Radium (226)	2.90	4.70	0.78	0.08			
4104-0715A-FO	4/22/2009	Thorium 228	2.60	4.80	0.90	0.06			
4104-0715A-FO	4/22/2009	Thorium 229	5.06	15.20	-0.08	1.40	U		
4104-0715A-FO	4/22/2009	Thorium 230	2.80	4.60	0.99	0.03			
4104-0715A-FO	4/22/2009	Thorium 232	2.10	3.50	1.04	0.04			
4104-0715A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.75	0.03			
4104-0715A-FO	4/22/2009	Uranium 235	3.10	9.29	0.31	0.48	U		
4104-0715A-FO	4/22/2009	Uranium 235	3.10	9.29	0.03	0.03	J		
4104-0715A-FO	4/22/2009	Uranium 238	2.2	4.2	1.20	2.70	U		
4104-0715A-FO	4/22/2009	Uranium 238	2.2	4.2	0.73	0.03			
4104-0716A-FO	4/22/2009	Actinium 227	4.60	13.61	0.15	0.20	U		
4104-0716A-FO	4/22/2009	Actinium 228	1.93	5.80	0.25	0.24			
4104-0716A-FO	4/22/2009	Americium 241	63.00	189.00	0.06	0.14	U		
4104-0716A-FO	4/22/2009	Bismuth 214	1.17	3.51	0.43	0.12			
4104-0716A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.02	0.05	U		
4104-0716A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4104-0716A-FO	4/22/2009	Cesium 137	3.80	10.62	0.04	0.06	U		
4104-0716A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.01	0.09	U		
4104-0716A-FO	4/22/2009	Lead 210	7.40	19.80	1.00	1.80	U		
4104-0716A-FO	4/22/2009	Lead 212	16.60	49.80	0.31	0.09			
4104-0716A-FO	4/22/2009	Lead 214	8.92	26.80	0.37	0.12			
4104-0716A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.02	0.02			
4104-0716A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.00	0.02	U		
4104-0716A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.15	1.40	U		
4104-0716A-FO	4/22/2009	Radium (226)	2.90	4.70	0.43	0.12			
4104-0716A-FO	4/22/2009	Thorium 228	2.60	4.80	0.31	0.02			
4104-0716A-FO	4/22/2009	Thorium 229	5.06	15.20	0.18	0.96	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0716A-FO	4/22/2009	Thorium 230	2.80	4.60	0.61	0.02			
4104-0716A-FO	4/22/2009	Thorium 232	2.10	3.50	0.27	0.03			
4104-0716A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.33	0.02			
4104-0716A-FO	4/22/2009	Uranium 235	3.10	9.29	0.03	0.33	U		
4104-0716A-FO	4/22/2009	Uranium 235	3.10	9.29	0.03	0.02	J		
4104-0716A-FO	4/22/2009	Uranium 238	2.2	4.2	0.19	1.80	U		
4104-0716A-FO	4/22/2009	Uranium 238	2.2	4.2	0.49	0.02			
4104-0717A-FO	4/22/2009	Actinium 227	4.60	13.61	0.00	0.39	U		
4104-0717A-FO	4/22/2009	Actinium 228	1.93	5.80	1.08	0.34			
4104-0717A-FO	4/22/2009	Americium 241	63.00	189.00	0.08	0.17	U		
4104-0717A-FO	4/22/2009	Bismuth 214	1.17	3.51	1.16	0.19			
4104-0717A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.02	0.10	U		
4104-0717A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.02	0.15	U		
4104-0717A-FO	4/22/2009	Cesium 137	3.80	10.62	-0.03	0.16	U		
4104-0717A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.03	0.20	U		
4104-0717A-FO	4/22/2009	Lead 210	7.40	19.80	1.30	2.90	U		
4104-0717A-FO	4/22/2009	Lead 212	16.60	49.80	1.00	0.12			
4104-0717A-FO	4/22/2009	Lead 214	8.92	26.80	0.86	0.21			
4104-0717A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.01	0.00			
4104-0717A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.00	0.01	U		
4104-0717A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.30	2.70	U		
4104-0717A-FO	4/22/2009	Radium (226)	2.90	4.70	1.16	0.19			
4104-0717A-FO	4/22/2009	Thorium 228	2.60	4.80	0.88	0.06			
4104-0717A-FO	4/22/2009	Thorium 229	5.06	15.20	-0.22	1.40	U		
4104-0717A-FO	4/22/2009	Thorium 230	2.80	4.60	1.17	0.08			
4104-0717A-FO	4/22/2009	Thorium 232	2.10	3.50	0.80	0.06			
4104-0717A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.77	0.03			
4104-0717A-FO	4/22/2009	Uranium 235	3.10	9.29	-0.07	0.60	U		
4104-0717A-FO	4/22/2009	Uranium 235	3.10	9.29	0.05	0.02	J		
4104-0717A-FO	4/22/2009	Uranium 238	2.2	4.2	0.70	2.60	U		
4104-0717A-FO	4/22/2009	Uranium 238	2.2	4.2	0.80	0.03			
4104-0718A-FO	4/22/2009	Actinium 227	4.60	13.61	0.09	0.38	U		
4104-0718A-FO	4/22/2009	Actinium 228	1.93	5.80	0.53	0.46			
4104-0718A-FO	4/22/2009	Americium 241	63.00	189.00	-0.02	0.23	U		
4104-0718A-FO	4/22/2009	Bismuth 214	1.17	3.51	1.03	0.17			
4104-0718A-FO	4/22/2009	Bismuth-207	1.20	3.60	-0.02	0.10	U		
4104-0718A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.00	0.14	U		
4104-0718A-FO	4/22/2009	Cesium 137	3.80	10.62	0.02	0.14	U		
4104-0718A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.01	0.17	U		
4104-0718A-FO	4/22/2009	Lead 210	7.40	19.80	0.30	2.70	U		
4104-0718A-FO	4/22/2009	Lead 212	16.60	49.80	0.70	0.12			
4104-0718A-FO	4/22/2009	Lead 214	8.92	26.80	0.84	0.15			
4104-0718A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.00	0.00	J		
4104-0718A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.00	0.00	U		
4104-0718A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.90	3.00	U		
4104-0718A-FO	4/22/2009	Radium (226)	2.90	4.70	1.03	0.17			
4104-0718A-FO	4/22/2009	Thorium 228	2.60	4.80	0.97	0.09			
4104-0718A-FO	4/22/2009	Thorium 229	5.06	15.20	-0.23	1.40	U		
4104-0718A-FO	4/22/2009	Thorium 230	2.80	4.60	1.76	0.08			
4104-0718A-FO	4/22/2009	Thorium 232	2.10	3.50	1.00	0.07			
4104-0718A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.74	0.02			
4104-0718A-FO	4/22/2009	Uranium 235	3.10	9.29	-0.04	0.47	U		
4104-0718A-FO	4/22/2009	Uranium 235	3.10	9.29	0.03	0.02	J		
4104-0718A-FO	4/22/2009	Uranium 238	2.2	4.2	0.40	2.40	U		
4104-0718A-FO	4/22/2009	Uranium 238	2.2	4.2	0.78	0.02			
4104-0719A-FO	4/22/2009	Actinium 227	4.60	13.61	0.02	1.50	U		
4104-0719A-FO	4/22/2009	Actinium 228	1.93	5.80	0.85	0.33			
4104-0719A-FO	4/22/2009	Americium 241	63.00	189.00	0.02	0.28	U		
4104-0719A-FO	4/22/2009	Bismuth 214	1.17	3.51	0.48	0.23			
4104-0719A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.02	0.08	U		
4104-0719A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.05	0.15	U		
4104-0719A-FO	4/22/2009	Cesium 137	3.80	10.62	-0.03	0.12	U		
4104-0719A-FO	4/22/2009	Cobalt 60	0.70	2.10	0.02	0.12	U		
4104-0719A-FO	4/22/2009	Lead 210	7.40	19.80	-0.70	3.40	U		
4104-0719A-FO	4/22/2009	Lead 212	16.60	49.80	0.92	0.19			

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0719A-FO	4/22/2009	Lead 214	8.92	26.80	0.94	0.19			
4104-0719A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.04	0.03			
4104-0719A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.00	0.02	U		
4104-0719A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.30	2.60	U		
4104-0719A-FO	4/22/2009	Radium (226)	2.90	4.70	0.48	0.23			
4104-0719A-FO	4/22/2009	Thorium 228	2.60	4.80	1.05	0.10			
4104-0719A-FO	4/22/2009	Thorium 229	5.06	15.20	0.05	1.50	U		
4104-0719A-FO	4/22/2009	Thorium 230	2.80	4.60	0.89	0.08			
4104-0719A-FO	4/22/2009	Thorium 232	2.10	3.50	0.93	0.05			
4104-0719A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.85	0.02			
4104-0719A-FO	4/22/2009	Uranium 235	3.10	9.29	-0.20	0.60	U		
4104-0719A-FO	4/22/2009	Uranium 235	3.10	9.29	0.04	0.02	J		
4104-0719A-FO	4/22/2009	Uranium 238	2.2	4.2	0.40	2.90	U		
4104-0719A-FO	4/22/2009	Uranium 238	2.2	4.2	0.74	0.02			
4104-0720A-FO	4/22/2009	Actinium 227	4.60	13.61	0.02	1.50	U		
4104-0720A-FO	4/22/2009	Actinium 228	1.93	5.80	1.09	0.43			
4104-0720A-FO	4/22/2009	Americium 241	63.00	189.00	-0.03	0.26	U		
4104-0720A-FO	4/22/2009	Bismuth 214	1.17	3.51	0.90	0.23			
4104-0720A-FO	4/22/2009	Bismuth-207	1.20	3.60	-0.01	0.10	U		
4104-0720A-FO	4/22/2009	Bismuth-210M	8.30	24.90	-0.01	0.14	U		
4104-0720A-FO	4/22/2009	Cesium 137	3.80	10.62	0.02	0.11	U		
4104-0720A-FO	4/22/2009	Cobalt 60	0.70	2.10	0.02	0.14	U		
4104-0720A-FO	4/22/2009	Lead 210	7.40	19.80	1.90	3.00	U		
4104-0720A-FO	4/22/2009	Lead 212	16.60	49.80	1.35	0.17			
4104-0720A-FO	4/22/2009	Lead 214	8.92	26.80	1.01	0.21			
4104-0720A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.01	0.00			
4104-0720A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.00	0.01	U		
4104-0720A-FO	4/22/2009	Protactinium 231	4.00	11.81	0.70	2.00	U		
4104-0720A-FO	4/22/2009	Radium (226)	2.90	4.70	0.90	0.23			
4104-0720A-FO	4/22/2009	Thorium 228	2.60	4.80	1.09	0.07			
4104-0720A-FO	4/22/2009	Thorium 229	5.06	15.20	-0.19	1.50	U		
4104-0720A-FO	4/22/2009	Thorium 230	2.80	4.60	0.82	0.06			
4104-0720A-FO	4/22/2009	Thorium 232	2.10	3.50	1.17	0.04			
4104-0720A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.98	0.03			
4104-0720A-FO	4/22/2009	Uranium 235	3.10	9.29	0.10	0.53	U		
4104-0720A-FO	4/22/2009	Uranium 235	3.10	9.29	0.04	0.03	J		
4104-0720A-FO	4/22/2009	Uranium 238	2.2	4.2	0.90	2.60	U		
4104-0720A-FO	4/22/2009	Uranium 238	2.2	4.2	0.85	0.03			
4104-0721A-FO	5/4/2009	Actinium 227	4.60	13.61	0.00	2.10	U		
4104-0721A-FO	5/4/2009	Actinium 228	1.93	5.80	1.66	0.16			
4104-0721A-FO	5/4/2009	Americium 241	63.00	189.00	0.02	0.27	U		
4104-0721A-FO	5/4/2009	Bismuth 214	1.17	3.51	0.71	0.24			
4104-0721A-FO	5/4/2009	Bismuth-207	1.20	3.60	0.00	0.14	U		
4104-0721A-FO	5/4/2009	Bismuth-210M	8.30	24.90	0.03	0.14	U		
4104-0721A-FO	5/4/2009	Cesium 137	3.80	10.62	0.00	0.15	U		
4104-0721A-FO	5/4/2009	Cobalt 60	0.70	2.10	0.00	0.17	U		
4104-0721A-FO	5/4/2009	Lead 210	7.40	19.80	0.70	3.20	U		
4104-0721A-FO	5/4/2009	Lead 212	16.60	49.80	1.44	0.25			
4104-0721A-FO	5/4/2009	Lead 214	8.92	26.80	0.96	0.19			
4104-0721A-FO	5/4/2009	Plutonium 238	55.00	165.13	0.07	0.02			
4104-0721A-FO	5/4/2009	Plutonium 239/40	62.00	181.00	0.00	0.02	U		
4104-0721A-FO	5/4/2009	Protactinium 231	4.00	11.81	-0.03	2.90	U		
4104-0721A-FO	5/4/2009	Radium (226)	2.90	4.70	0.71	0.24			
4104-0721A-FO	5/4/2009	Thorium 228	2.60	4.80	1.18	0.05			
4104-0721A-FO	5/4/2009	Thorium 229	5.06	15.20	-0.25	1.40	U		
4104-0721A-FO	5/4/2009	Thorium 230	2.80	4.60	0.92	0.04			
4104-0721A-FO	5/4/2009	Thorium 232	2.10	3.50	1.19	0.04			
4104-0721A-FO	5/4/2009	Uranium 233/234	2.00	14.50	0.91	0.03			
4104-0721A-FO	5/4/2009	Uranium 235	3.10	9.29	-0.10	0.70	U		
4104-0721A-FO	5/4/2009	Uranium 235	3.10	9.29	0.04	0.03	J		
4104-0721A-FO	5/4/2009	Uranium 238	2.2	4.2	2.80	2.50			
4104-0721A-FO	5/4/2009	Uranium 238	2.2	4.2	1.04	0.02			
4104-0722A-FO	4/22/2009	Actinium 227	4.60	13.61	0.02	2.00	U		
4104-0722A-FO	4/22/2009	Actinium 228	1.93	5.80	1.67	0.27			
4104-0722A-FO	4/22/2009	Americium 241	63.00	189.00	0.14	0.22	U		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0722A-FO	4/22/2009	Bismuth 214	1.17	3.51	0.90	0.16			
4104-0722A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.00	0.12	U		
4104-0722A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.00	0.14	U		
4104-0722A-FO	4/22/2009	Cesium 137	3.80	10.62	-0.02	0.15	U		
4104-0722A-FO	4/22/2009	Cobalt 60	0.70	2.10	0.03	0.11	U		
4104-0722A-FO	4/22/2009	Lead 210	7.40	19.80	4.20	3.50			
4104-0722A-FO	4/22/2009	Lead 212	16.60	49.80	1.30	0.16			
4104-0722A-FO	4/22/2009	Lead 214	8.92	26.80	0.91	0.21			
4104-0722A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.00	0.00	U		
4104-0722A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.00	0.00	U		
4104-0722A-FO	4/22/2009	Protactinium 231	4.00	11.81	0.00	3.00	U		
4104-0722A-FO	4/22/2009	Radium (226)	2.90	4.70	0.90	0.16			
4104-0722A-FO	4/22/2009	Thorium 228	2.60	4.80	1.29	0.04			
4104-0722A-FO	4/22/2009	Thorium 229	5.06	15.20	0.01	1.30	U		
4104-0722A-FO	4/22/2009	Thorium 230	2.80	4.60	1.08	0.04			
4104-0722A-FO	4/22/2009	Thorium 232	2.10	3.50	1.26	0.02			
4104-0722A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.96	0.03			
4104-0722A-FO	4/22/2009	Uranium 235	3.10	9.29	0.23	0.56	U		
4104-0722A-FO	4/22/2009	Uranium 235	3.10	9.29	0.05	0.01	J		
4104-0722A-FO	4/22/2009	Uranium 238	2.2	4.2	1.00	2.80	U		
4104-0722A-FO	4/22/2009	Uranium 238	2.2	4.2	0.91	0.03			
4104-0723A-FO	4/22/2009	Actinium 227	4.60	13.61	0.06	1.80	U		
4104-0723A-FO	4/22/2009	Actinium 228	1.93	5.80	1.22	0.51			
4104-0723A-FO	4/22/2009	Americium 241	63.00	189.00	0.00	0.29	U		
4104-0723A-FO	4/22/2009	Bismuth 214	1.17	3.51	1.06	0.31			
4104-0723A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.03	0.11	U		
4104-0723A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.03	0.16	U		
4104-0723A-FO	4/22/2009	Cesium 137	3.80	10.62	0.01	0.16	U		
4104-0723A-FO	4/22/2009	Cobalt 60	0.70	2.10	0.00	0.24	U		
4104-0723A-FO	4/22/2009	Lead 210	7.40	19.80	0.90	3.80	U		
4104-0723A-FO	4/22/2009	Lead 212	16.60	49.80	1.15	0.22			
4104-0723A-FO	4/22/2009	Lead 214	8.92	26.80	0.93	0.21			
4104-0723A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.00	0.01	U		
4104-0723A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.00	0.01	U		
4104-0723A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.09	2.70	U		
4104-0723A-FO	4/22/2009	Radium (226)	2.90	4.70	1.06	0.31			
4104-0723A-FO	4/22/2009	Thorium 228	2.60	4.80	1.22	0.07			
4104-0723A-FO	4/22/2009	Thorium 229	5.06	15.20	0.58	1.70	U		
4104-0723A-FO	4/22/2009	Thorium 230	2.80	4.60	0.87	0.06			
4104-0723A-FO	4/22/2009	Thorium 232	2.10	3.50	1.27	0.04			
4104-0723A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.75	0.04			
4104-0723A-FO	4/22/2009	Uranium 235	3.10	9.29	0.27	0.52	U		
4104-0723A-FO	4/22/2009	Uranium 235	3.10	9.29	0.03	0.03	U		
4104-0723A-FO	4/22/2009	Uranium 238	2.2	4.2	-0.80	3.00	U		
4104-0723A-FO	4/22/2009	Uranium 238	2.2	4.2	0.93	0.03			
4104-0724A-FO	4/22/2009	Actinium 227	4.60	13.61	-0.09	0.76	U		
4104-0724A-FO	4/22/2009	Actinium 228	1.93	5.80	1.23	0.37			
4104-0724A-FO	4/22/2009	Americium 241	63.00	189.00	0.01	0.23	U		
4104-0724A-FO	4/22/2009	Bismuth 214	1.17	3.51	0.92	0.17			
4104-0724A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.00	0.14	U		
4104-0724A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.00	0.21	U		
4104-0724A-FO	4/22/2009	Cesium 137	3.80	10.62	0.04	0.16	U		
4104-0724A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.06	0.19	U		
4104-0724A-FO	4/22/2009	Lead 210	7.40	19.80	0.10	3.50	U		
4104-0724A-FO	4/22/2009	Lead 212	16.60	49.80	1.14	0.17			
4104-0724A-FO	4/22/2009	Lead 214	8.92	26.80	0.77	0.21			
4104-0724A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.00	0.01	U		
4104-0724A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.00	0.01	U		
4104-0724A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.20	2.80	U		
4104-0724A-FO	4/22/2009	Radium (226)	2.90	4.70	0.92	0.17			
4104-0724A-FO	4/22/2009	Thorium 228	2.60	4.80	1.56	0.04			
4104-0724A-FO	4/22/2009	Thorium 229	5.06	15.20	-0.03	1.20	U		
4104-0724A-FO	4/22/2009	Thorium 230	2.80	4.60	1.15	0.05			
4104-0724A-FO	4/22/2009	Thorium 232	2.10	3.50	1.43	0.06			
4104-0724A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.92	0.03			

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4104-0724A-FO	4/22/2009	Uranium 235	3.10	9.29	0.06	0.54	U		
4104-0724A-FO	4/22/2009	Uranium 235	3.10	9.29	0.03	0.03	J		
4104-0724A-FO	4/22/2009	Uranium 238	2.2	4.2	0.40	2.80	U		
4104-0724A-FO	4/22/2009	Uranium 238	2.2	4.2	0.83	0.04			
4104-0999A-FO	4/22/2009	Actinium 227	4.60	13.61	0.05	1.90	U		
4104-0999A-FO	4/22/2009	Actinium 228	1.93	5.80	1.45	0.16			
4104-0999A-FO	4/22/2009	Americium 241	63.00	189.00	0.00	0.25	U		
4104-0999A-FO	4/22/2009	Bismuth 214	1.17	3.51	0.77	0.21			
4104-0999A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.00	0.09	U		
4104-0999A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.01	0.14	U		
4104-0999A-FO	4/22/2009	Cesium 137	3.80	10.62	0.00	0.14	U		
4104-0999A-FO	4/22/2009	Cobalt 60	0.70	2.10	0.02	0.12	U		
4104-0999A-FO	4/22/2009	Lead 210	7.40	19.80	1.30	2.60	U		
4104-0999A-FO	4/22/2009	Lead 212	16.60	49.80	1.09	0.17			
4104-0999A-FO	4/22/2009	Lead 214	8.92	26.80	0.54	0.21			
4104-0999A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.01	0.00	J		
4104-0999A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.00	0.00	U		
4104-0999A-FO	4/22/2009	Protactinium 231	4.00	11.81	0.30	2.80	U		
4104-0999A-FO	4/22/2009	Radium (226)	2.90	4.70	0.77	0.21			
4104-0999A-FO	4/22/2009	Thorium 228	2.60	4.80	0.91	0.03			
4104-0999A-FO	4/22/2009	Thorium 229	5.06	15.20	0.02	1.40	U		
4104-0999A-FO	4/22/2009	Thorium 230	2.80	4.60	0.91	0.03			
4104-0999A-FO	4/22/2009	Thorium 232	2.10	3.50	1.13	0.03			
4104-0999A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.88	0.04			
4104-0999A-FO	4/22/2009	Uranium 235	3.10	9.29	0.21	0.54	U		
4104-0999A-FO	4/22/2009	Uranium 235	3.10	9.29	0.07	0.02	J		
4104-0999A-FO	4/22/2009	Uranium 238	2.2	4.2	2.30	2.70	U		
4104-0999A-FO	4/22/2009	Uranium 238	2.2	4.2	0.91	0.03			

CO	Cleanup Objective
HS	Hot Spot Criteria
A-FO	MARSSIM location - original
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit
J	The associated numerical value is an estimated quantity

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0364A-HO	2/24/2009	Actinium-227	4.60	13.61	0.08	0.24	U	
4105-0364A-HO	2/24/2009	Americium-241	63.00	189.00	0.03	0.06	U	
4105-0364A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0364A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0364A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.04	0.04	U	
4105-0364A-HO	2/24/2009	Lead-210	7.40	19.80	0.83	0.54		
4105-0364A-HO	2/24/2009	Plutonium-238	55.00	165.13	2.36	5.80	U	
4105-0364A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	1.42	U	
4105-0364A-HO	2/24/2009	Radium-226	2.90	4.70	0.61	0.10		
4105-0364A-HO	2/24/2009	Thorium-230	2.80	4.60	1.76	5.68	U	
4105-0364A-HO	2/24/2009	Thorium-232	2.10	3.50	0.46	0.11		
4105-0364A-HO	2/24/2009	Uranium-238	2.20	4.20	0.80	0.36		
4105-0365A-HO	2/24/2009	Actinium-227	4.60	13.61	0.02	0.31	U	
4105-0365A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0365A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0365A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0365A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0365A-HO	2/24/2009	Lead-210	7.40	19.80	1.10	0.59		
4105-0365A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	7.24	U	
4105-0365A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	1.75	U	
4105-0365A-HO	2/24/2009	Radium-226	2.90	4.70	0.68	0.10		
4105-0365A-HO	2/24/2009	Thorium-230	2.80	4.60	3.77	6.29	U	
4105-0365A-HO	2/24/2009	Thorium-232	2.10	3.50	0.43	0.18		
4105-0365A-HO	2/24/2009	Uranium-238	2.20	4.20	0.87	0.41		
4105-0366A-HO	2/24/2009	Actinium-227	4.60	13.61	0.13	0.18	U	
4105-0366A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.04	U	
4105-0366A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.03	U	
4105-0366A-HO	2/24/2009	Cesium-137	3.80	10.62	0.02	0.02	U	
4105-0366A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.02	0.03	U	
4105-0366A-HO	2/24/2009	Lead-210	7.40	19.80	0.73	0.40		
4105-0366A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	4.35	U	
4105-0366A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	0.97	U	
4105-0366A-HO	2/24/2009	Radium-226	2.90	4.70	0.67	0.06		
4105-0366A-HO	2/24/2009	Thorium-230	2.80	4.60	1.49	3.99	U	
4105-0366A-HO	2/24/2009	Thorium-232	2.10	3.50	0.41	0.11		
4105-0366A-HO	2/24/2009	Uranium-238	2.20	4.20	0.72	0.25		
4105-0367A-HO	2/24/2009	Actinium-227	4.60	13.61	0.17	0.28	U	
4105-0367A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0367A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0367A-HO	2/24/2009	Cesium-137	3.80	10.62	0.02	0.04	U	
4105-0367A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.06	U	
4105-0367A-HO	2/24/2009	Lead-210	7.40	19.80	0.15	0.69	U	
4105-0367A-HO	2/24/2009	Plutonium-238	55.00	165.13	3.44	6.21	U	
4105-0367A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.92	1.38	U	
4105-0367A-HO	2/24/2009	Radium-226	2.90	4.70	0.63	0.12		
4105-0367A-HO	2/24/2009	Thorium-230	2.80	4.60	1.64	6.35	U	
4105-0367A-HO	2/24/2009	Thorium-232	2.10	3.50	0.46	0.16		
4105-0367A-HO	2/24/2009	Uranium-238	2.20	4.20	0.58	0.41		
4105-0368A-HO	2/26/2009	Actinium-227	4.60	13.61	0.00	0.25	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0368A-HO	2/26/2009	Americium-241	63.00	189.00	0.00	0.06	U	
4105-0368A-HO	2/26/2009	Bismuth-210M	8.30	24.90	0.03	0.04	U	
4105-0368A-HO	2/26/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0368A-HO	2/26/2009	Cobalt-60	0.70	2.10	0.00	0.06	U	
4105-0368A-HO	2/26/2009	Lead-210	7.40	19.80	0.47	0.57	U	
4105-0368A-HO	2/26/2009	Plutonium-238	55.00	165.13	1.46	5.48	U	
4105-0368A-HO	2/26/2009	Protactinium-231	4.00	11.81	0.82	1.34	U	
4105-0368A-HO	2/26/2009	Radium-226	2.90	4.70	0.49	0.09		
4105-0368A-HO	2/26/2009	Thorium-230	2.80	4.60	0.00	5.89	U	
4105-0368A-HO	2/26/2009	Thorium-232	2.10	3.50	0.17	0.16		
4105-0368A-HO	2/26/2009	Uranium-238	2.20	4.20	0.47	0.34		
4105-0369A-HO	2/24/2009	Actinium-227	4.60	13.61	0.05	0.30	U	
4105-0369A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0369A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U	
4105-0369A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0369A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.07	U	
4105-0369A-HO	2/24/2009	Lead-210	7.40	19.80	0.19	0.81	U	
4105-0369A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	7.62	U	
4105-0369A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	1.90	U	
4105-0369A-HO	2/24/2009	Radium-226	2.90	4.70	0.79	0.09		
4105-0369A-HO	2/24/2009	Thorium-230	2.80	4.60	0.49	7.09	U	
4105-0369A-HO	2/24/2009	Thorium-232	2.10	3.50	0.43	0.13		
4105-0369A-HO	2/24/2009	Uranium-238	2.20	4.20	0.68	0.43		
4105-0370A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.34	U	
4105-0370A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0370A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0370A-HO	2/24/2009	Cesium-137	3.80	10.62	0.01	0.04	U	
4105-0370A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.06	U	
4105-0370A-HO	2/24/2009	Lead-210	7.40	19.80	0.84	0.77		
4105-0370A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	7.80	U	
4105-0370A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.66	1.80	U	
4105-0370A-HO	2/24/2009	Radium-226	2.90	4.70	0.75	0.13		
4105-0370A-HO	2/24/2009	Thorium-230	2.80	4.60	1.46	7.21	U	
4105-0370A-HO	2/24/2009	Thorium-232	2.10	3.50	0.31	0.22		
4105-0370A-HO	2/24/2009	Uranium-238	2.20	4.20	0.79	0.47		
4105-0371A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.28	U	
4105-0371A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.07	U	
4105-0371A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0371A-HO	2/24/2009	Cesium-137	3.80	10.62	0.02	0.05	U	
4105-0371A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0371A-HO	2/24/2009	Lead-210	7.40	19.80	0.30	0.66	U	
4105-0371A-HO	2/24/2009	Plutonium-238	55.00	165.13	4.23	5.96	U	
4105-0371A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.68	1.40	U	
4105-0371A-HO	2/24/2009	Radium-226	2.90	4.70	0.79	0.09		
4105-0371A-HO	2/24/2009	Thorium-230	2.80	4.60	1.47	6.49	U	
4105-0371A-HO	2/24/2009	Thorium-232	2.10	3.50	0.47	0.20		
4105-0371A-HO	2/24/2009	Uranium-238	2.20	4.20	0.63	0.42		
4105-0372A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.23	U	
4105-0372A-HO	2/24/2009	Americium-241	63.00	189.00	0.02	0.04	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0372A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0372A-HO	2/24/2009	Cesium-137	3.80	10.62	0.01	0.03	U	
4105-0372A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.04	U	
4105-0372A-HO	2/24/2009	Lead-210	7.40	19.80	0.05	0.51	U	
4105-0372A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	4.69	U	
4105-0372A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.35	1.06	U	
4105-0372A-HO	2/24/2009	Radium-226	2.90	4.70	0.46	0.09		
4105-0372A-HO	2/24/2009	Thorium-230	2.80	4.60	0.00	4.63	U	
4105-0372A-HO	2/24/2009	Thorium-232	2.10	3.50	0.07	0.14	U	
4105-0372A-HO	2/24/2009	Uranium-238	2.20	4.20	0.34	0.29		
4105-0373A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.27	U	
4105-0373A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.06	U	
4105-0373A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0373A-HO	2/24/2009	Cesium-137	3.80	10.62	0.01	0.04	U	
4105-0373A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.07	U	
4105-0373A-HO	2/24/2009	Lead-210	7.40	19.80	0.47	0.55	U	
4105-0373A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	6.42	U	
4105-0373A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.24	1.30	U	
4105-0373A-HO	2/24/2009	Radium-226	2.90	4.70	0.55	0.09		
4105-0373A-HO	2/24/2009	Thorium-230	2.80	4.60	0.00	5.65	U	
4105-0373A-HO	2/24/2009	Thorium-232	2.10	3.50	0.28	0.15		
4105-0373A-HO	2/24/2009	Uranium-238	2.20	4.20	0.69	0.33		
4105-0374A-HO	2/24/2009	Actinium-227	4.60	13.61	0.02	0.21	U	
4105-0374A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.06	U	
4105-0374A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0374A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.03	U	
4105-0374A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.06	U	
4105-0374A-HO	2/24/2009	Lead-210	7.40	19.80	0.44	0.47	U	
4105-0374A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	5.52	U	
4105-0374A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	1.29	U	
4105-0374A-HO	2/24/2009	Radium-226	2.90	4.70	0.45	0.09		
4105-0374A-HO	2/24/2009	Thorium-230	2.80	4.60	2.00	4.82	U	
4105-0374A-HO	2/24/2009	Thorium-232	2.10	3.50	0.22	0.16		
4105-0374A-HO	2/24/2009	Uranium-238	2.20	4.20	0.34	0.31		
4105-0375A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.27	U	
4105-0375A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.06	U	
4105-0375A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U	
4105-0375A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0375A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.01	0.05	U	
4105-0375A-HO	2/24/2009	Lead-210	7.40	19.80	0.44	0.56	U	
4105-0375A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	6.19	U	
4105-0375A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.17	1.28	U	
4105-0375A-HO	2/24/2009	Radium-226	2.90	4.70	0.51	0.12		
4105-0375A-HO	2/24/2009	Thorium-230	2.80	4.60	1.38	5.43	U	
4105-0375A-HO	2/24/2009	Thorium-232	2.10	3.50	0.03	0.18	U	
4105-0375A-HO	2/24/2009	Uranium-238	2.20	4.20	0.72	0.34		
4105-0376A-HO	2/24/2009	Actinium-227	4.60	13.61	0.19	0.34	U	
4105-0376A-HO	2/24/2009	Americium-241	63.00	189.00	0.04	0.08	U	
4105-0376A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0376A-HO	2/24/2009	Cesium-137	3.80	10.62	0.02	0.06	U	
4105-0376A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0376A-HO	2/24/2009	Lead-210	7.40	19.80	1.02	0.71		
4105-0376A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	8.20	U	
4105-0376A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	2.06	U	
4105-0376A-HO	2/24/2009	Radium-226	2.90	4.70	0.55	0.16		
4105-0376A-HO	2/24/2009	Thorium-230	2.80	4.60	0.00	7.84	U	
4105-0376A-HO	2/24/2009	Thorium-232	2.10	3.50	0.53	0.25		
4105-0376A-HO	2/24/2009	Uranium-238	2.20	4.20	0.76	0.48		
4105-0377A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.31	U	
4105-0377A-HO	2/24/2009	Americium-241	63.00	189.00	0.01	0.07	U	
4105-0377A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U	
4105-0377A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0377A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.04	0.04	U	
4105-0377A-HO	2/24/2009	Lead-210	7.40	19.80	0.34	0.70	U	
4105-0377A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.99	6.95	U	
4105-0377A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	1.69	U	
4105-0377A-HO	2/24/2009	Radium-226	2.90	4.70	0.53	0.12		
4105-0377A-HO	2/24/2009	Thorium-230	2.80	4.60	3.79	6.50	U	
4105-0377A-HO	2/24/2009	Thorium-232	2.10	3.50	0.16	0.26	U	
4105-0377A-HO	2/24/2009	Uranium-238	2.20	4.20	0.84	0.39		
4105-0378A-HO	2/24/2009	Actinium-227	4.60	13.61	0.01	0.31	U	
4105-0378A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0378A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0378A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0378A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.07	U	
4105-0378A-HO	2/24/2009	Lead-210	7.40	19.80	0.54	0.76	U	
4105-0378A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	7.39	U	
4105-0378A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.73	1.72	U	
4105-0378A-HO	2/24/2009	Radium-226	2.90	4.70	0.60	0.12		
4105-0378A-HO	2/24/2009	Thorium-230	2.80	4.60	0.00	7.03	U	
4105-0378A-HO	2/24/2009	Thorium-232	2.10	3.50	0.38	0.23		
4105-0378A-HO	2/24/2009	Uranium-238	2.20	4.20	0.44	0.45	U	
4105-0379A-HO	2/24/2009	Actinium-227	4.60	13.61	0.07	0.29	U	
4105-0379A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0379A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0379A-HO	2/24/2009	Cesium-137	3.80	10.62	0.02	0.04	U	
4105-0379A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.03	0.04	U	
4105-0379A-HO	2/24/2009	Lead-210	7.40	19.80	0.39	0.70	U	
4105-0379A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	7.36	U	
4105-0379A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	1.74	U	
4105-0379A-HO	2/24/2009	Radium-226	2.90	4.70	0.61	0.11		
4105-0379A-HO	2/24/2009	Thorium-230	2.80	4.60	0.00	6.62	U	
4105-0379A-HO	2/24/2009	Thorium-232	2.10	3.50	0.24	0.19		
4105-0379A-HO	2/24/2009	Uranium-238	2.20	4.20	0.81	0.38		
4105-0380A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.24	U	
4105-0380A-HO	2/24/2009	Americium-241	63.00	189.00	0.02	0.05	U	
4105-0380A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U	
4105-0380A-HO	2/24/2009	Cesium-137	3.80	10.62	0.01	0.04	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0380A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0380A-HO	2/24/2009	Lead-210	7.40	19.80	0.75	0.49		
4105-0380A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	5.15	U	
4105-0380A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.62	1.15	U	
4105-0380A-HO	2/24/2009	Radium-226	2.90	4.70	0.53	0.09		
4105-0380A-HO	2/24/2009	Thorium-230	2.80	4.60	0.26	4.74	U	
4105-0380A-HO	2/24/2009	Thorium-232	2.10	3.50	0.06	0.19	U	
4105-0380A-HO	2/24/2009	Uranium-238	2.20	4.20	0.34	0.31		
4105-0381A-HO	2/24/2009	Actinium-227	4.60	13.61	0.01	0.24	U	
4105-0381A-HO	2/24/2009	Americium-241	63.00	189.00	0.02	0.05	U	
4105-0381A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0381A-HO	2/24/2009	Cesium-137	3.80	10.62	0.01	0.03	U	
4105-0381A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.04	U	
4105-0381A-HO	2/24/2009	Lead-210	7.40	19.80	0.71	0.49		
4105-0381A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	5.26	U	
4105-0381A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	1.34	U	
4105-0381A-HO	2/24/2009	Radium-226	2.90	4.70	0.52	0.10		
4105-0381A-HO	2/24/2009	Thorium-230	2.80	4.60	2.18	5.17	U	
4105-0381A-HO	2/24/2009	Thorium-232	2.10	3.50	0.26	0.14		
4105-0381A-HO	2/24/2009	Uranium-238	2.20	4.20	0.42	0.34		
4105-0382A-HO	2/24/2009	Actinium-227	4.60	13.61	0.10	0.30	U	
4105-0382A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.07	U	
4105-0382A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U	
4105-0382A-HO	2/24/2009	Cesium-137	3.80	10.62	0.03	0.04	U	
4105-0382A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.07	U	
4105-0382A-HO	2/24/2009	Lead-210	7.40	19.80	0.21	0.68	U	
4105-0382A-HO	2/24/2009	Plutonium-238	55.00	165.13	1.51	5.97	U	
4105-0382A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	1.55	U	
4105-0382A-HO	2/24/2009	Radium-226	2.90	4.70	0.50	0.13		
4105-0382A-HO	2/24/2009	Thorium-230	2.80	4.60	2.11	6.44	U	
4105-0382A-HO	2/24/2009	Thorium-232	2.10	3.50	0.63	0.18		
4105-0382A-HO	2/24/2009	Uranium-238	2.20	4.20	0.52	0.42		
4105-0383A-HO	2/24/2009	Actinium-227	4.60	13.61	0.19	0.32	U	
4105-0383A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0383A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0383A-HO	2/24/2009	Cesium-137	3.80	10.62	0.01	0.05	U	
4105-0383A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.01	0.07	U	
4105-0383A-HO	2/24/2009	Lead-210	7.40	19.80	0.78	0.68		
4105-0383A-HO	2/24/2009	Plutonium-238	55.00	165.13	3.68	8.00	U	
4105-0383A-HO	2/24/2009	Protactinium-231	4.00	11.81	1.46	1.67	U	
4105-0383A-HO	2/24/2009	Radium-226	2.90	4.70	0.96	0.10		
4105-0383A-HO	2/24/2009	Thorium-230	2.80	4.60	0.00	7.86	U	
4105-0383A-HO	2/24/2009	Thorium-232	2.10	3.50	0.36	0.23		
4105-0383A-HO	2/24/2009	Uranium-238	2.20	4.20	0.86	0.43		
4105-0384A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.38	U	
4105-0384A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.09	U	
4105-0384A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U	
4105-0384A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0384A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.11	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0384A-HO	2/24/2009	Lead-210	7.40	19.80	0.75	0.83	U	
4105-0384A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	8.86	U	
4105-0384A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	2.13	U	
4105-0384A-HO	2/24/2009	Radium-226	2.90	4.70	0.46	0.16		
4105-0384A-HO	2/24/2009	Thorium-230	2.80	4.60	1.30	8.01	U	
4105-0384A-HO	2/24/2009	Thorium-232	2.10	3.50	0.54	0.27		
4105-0384A-HO	2/24/2009	Uranium-238	2.20	4.20	1.02	0.52		
4105-0385A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.30	U	
4105-0385A-HO	2/24/2009	Americium-241	63.00	189.00	0.03	0.07	U	
4105-0385A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U	
4105-0385A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0385A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.06	U	
4105-0385A-HO	2/24/2009	Lead-210	7.40	19.80	0.00	0.66	U	
4105-0385A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	6.16	U	
4105-0385A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	1.54	U	
4105-0385A-HO	2/24/2009	Radium-226	2.90	4.70	0.54	0.11		
4105-0385A-HO	2/24/2009	Thorium-230	2.80	4.60	1.61	6.03	U	
4105-0385A-HO	2/24/2009	Thorium-232	2.10	3.50	0.50	0.19		
4105-0385A-HO	2/24/2009	Uranium-238	2.20	4.20	0.48	0.40		
4105-0386A-HO	2/24/2009	Actinium-227	4.60	13.61	0.07	0.26	U	
4105-0386A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.07	U	
4105-0386A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0386A-HO	2/24/2009	Cesium-137	3.80	10.62	0.01	0.04	U	
4105-0386A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.07	U	
4105-0386A-HO	2/24/2009	Lead-210	7.40	19.80	0.87	0.54		
4105-0386A-HO	2/24/2009	Plutonium-238	55.00	165.13	2.85	5.64	U	
4105-0386A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.27	1.35	U	
4105-0386A-HO	2/24/2009	Radium-226	2.90	4.70	0.60	0.08		
4105-0386A-HO	2/24/2009	Thorium-230	2.80	4.60	2.84	5.67	U	
4105-0386A-HO	2/24/2009	Thorium-232	2.10	3.50	0.17	0.21	U	
4105-0386A-HO	2/24/2009	Uranium-238	2.20	4.20	0.49	0.37		
4105-0387A-HO	2/24/2009	Actinium-227	4.60	13.61	0.01	0.27	U	
4105-0387A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.06	U	
4105-0387A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0387A-HO	2/24/2009	Cesium-137	3.80	10.62	0.01	0.05	U	
4105-0387A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.07	U	
4105-0387A-HO	2/24/2009	Lead-210	7.40	19.80	0.24	0.60	U	
4105-0387A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	6.30	U	
4105-0387A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.00	1.48	U	
4105-0387A-HO	2/24/2009	Radium-226	2.90	4.70	0.32	0.14		
4105-0387A-HO	2/24/2009	Thorium-230	2.80	4.60	3.86	5.29	U	
4105-0387A-HO	2/24/2009	Thorium-232	2.10	3.50	0.28	0.19		
4105-0387A-HO	2/24/2009	Uranium-238	2.20	4.20	0.79	0.33		
4105-0388A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.24	U	
4105-0388A-HO	2/17/2009	Americium-241	63.00	189.00	0.02	0.05	U	
4105-0388A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0388A-HO	2/17/2009	Cesium-137	3.80	10.62	0.02	0.03	U	
4105-0388A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0388A-HO	2/17/2009	Lead-210	7.40	19.80	0.41	0.53	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0388A-HO	2/17/2009	Plutonium-238	55.00	165.13	1.93	5.20	U	
4105-0388A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.16	1.18	U	
4105-0388A-HO	2/17/2009	Radium-226	2.90	4.70	0.41	0.09		
4105-0388A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	5.01	U	
4105-0388A-HO	2/17/2009	Thorium-232	2.10	3.50	0.32	0.09		
4105-0388A-HO	2/17/2009	Uranium-238	2.20	4.20	0.50	0.28		
4105-0389A-HO	2/17/2009	Actinium-227	4.60	13.61	0.02	0.07	U	
4105-0389A-HO	2/17/2009	Americium-241	63.00	189.00	0.01	0.02	U	
4105-0389A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.01	U	
4105-0389A-HO	2/17/2009	Cesium-137	3.80	10.62	0.01	0.01	U	
4105-0389A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.01	0.01	U	
4105-0389A-HO	2/17/2009	Lead-210	7.40	19.80	0.29	0.17		
4105-0389A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.47	1.67	U	
4105-0389A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	0.42	U	
4105-0389A-HO	2/17/2009	Radium-226	2.90	4.70	0.39	0.03		
4105-0389A-HO	2/17/2009	Thorium-230	2.80	4.60	1.22	1.52	U	
4105-0389A-HO	2/17/2009	Thorium-232	2.10	3.50	0.20	0.04		
4105-0389A-HO	2/17/2009	Uranium-238	2.20	4.20	0.41	0.10		
4105-0390A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.25	U	
4105-0390A-HO	2/24/2009	Americium-241	63.00	189.00	0.04	0.05	U	
4105-0390A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0390A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0390A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.02	0.03	U	
4105-0390A-HO	2/24/2009	Lead-210	7.40	19.80	0.64	0.49		
4105-0390A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.44	5.26	U	
4105-0390A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.64	1.19	U	
4105-0390A-HO	2/24/2009	Radium-226	2.90	4.70	0.45	0.08		
4105-0390A-HO	2/24/2009	Thorium-230	2.80	4.60	0.00	5.27	U	
4105-0390A-HO	2/24/2009	Thorium-232	2.10	3.50	0.33	0.10		
4105-0390A-HO	2/24/2009	Uranium-238	2.20	4.20	0.50	0.31		
4105-0391A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.22	U	
4105-0391A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.06	U	
4105-0391A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0391A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0391A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.01	0.03	U	
4105-0391A-HO	2/17/2009	Lead-210	7.40	19.80	0.54	0.48		
4105-0391A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.37	5.23	U	
4105-0391A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.42	U	
4105-0391A-HO	2/17/2009	Radium-226	2.90	4.70	0.48	0.10		
4105-0391A-HO	2/17/2009	Thorium-230	2.80	4.60	0.59	4.65	U	
4105-0391A-HO	2/17/2009	Thorium-232	2.10	3.50	0.15	0.14		
4105-0391A-HO	2/17/2009	Uranium-238	2.20	4.20	0.65	0.30		
4105-0392A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.22	U	
4105-0392A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.05	U	
4105-0392A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0392A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.03	U	
4105-0392A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.02	0.04	U	
4105-0392A-HO	2/17/2009	Lead-210	7.40	19.80	0.61	0.43		
4105-0392A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.25	4.76	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0392A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.32	U	
4105-0392A-HO	2/17/2009	Radium-226	2.90	4.70	0.41	0.09		
4105-0392A-HO	2/17/2009	Thorium-230	2.80	4.60	1.65	4.48	U	
4105-0392A-HO	2/17/2009	Thorium-232	2.10	3.50	0.15	0.11		
4105-0392A-HO	2/17/2009	Uranium-238	2.20	4.20	0.55	0.27		
4105-0393A-HO	2/24/2009	Actinium-227	4.60	13.61	0.01	0.21	U	
4105-0393A-HO	2/24/2009	Americium-241	63.00	189.00	0.00	0.06	U	
4105-0393A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0393A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.03	U	
4105-0393A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.01	0.03	U	
4105-0393A-HO	2/24/2009	Lead-210	7.40	19.80	0.96	0.42		
4105-0393A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.43	4.92	U	
4105-0393A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.58	1.30	U	
4105-0393A-HO	2/24/2009	Radium-226	2.90	4.70	0.40	0.09		
4105-0393A-HO	2/24/2009	Thorium-230	2.80	4.60	0.00	4.85	U	
4105-0393A-HO	2/24/2009	Thorium-232	2.10	3.50	0.06	0.17	U	
4105-0393A-HO	2/24/2009	Uranium-238	2.20	4.20	0.60	0.30		
4105-0394A-HO	2/17/2009	Actinium-227	4.60	13.61	0.09	0.21	U	
4105-0394A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.05	U	
4105-0394A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0394A-HO	2/17/2009	Cesium-137	3.80	10.62	0.01	0.04	U	
4105-0394A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0394A-HO	2/17/2009	Lead-210	7.40	19.80	0.50	0.51	U	
4105-0394A-HO	2/17/2009	Plutonium-238	55.00	165.13	1.44	4.92	U	
4105-0394A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.68	U	
4105-0394A-HO	2/17/2009	Radium-226	2.90	4.70	0.45	0.09		
4105-0394A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	5.13	U	
4105-0394A-HO	2/17/2009	Thorium-232	2.10	3.50	0.19	0.17		
4105-0394A-HO	2/17/2009	Uranium-238	2.20	4.20	0.52	0.32		
4105-0395A-HO	2/17/2009	Actinium-227	4.60	13.61	0.08	0.15	U	
4105-0395A-HO	2/17/2009	Americium-241	63.00	189.00	0.03	0.04	U	
4105-0395A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.03	U	
4105-0395A-HO	2/17/2009	Cesium-137	3.80	10.62	0.02	0.03	U	
4105-0395A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0395A-HO	2/17/2009	Lead-210	7.40	19.80	0.61	0.33		
4105-0395A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.16	3.90	U	
4105-0395A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.07	U	
4105-0395A-HO	2/17/2009	Radium-226	2.90	4.70	0.25	0.06		
4105-0395A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	4.05	U	
4105-0395A-HO	2/17/2009	Thorium-232	2.10	3.50	0.07	0.15	U	
4105-0395A-HO	2/17/2009	Uranium-238	2.20	4.20	0.17	0.25	U	
4105-0396A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.20	U	
4105-0396A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.05	U	
4105-0396A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0396A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0396A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0396A-HO	2/17/2009	Lead-210	7.40	19.80	0.12	0.48	U	
4105-0396A-HO	2/17/2009	Plutonium-238	55.00	165.13	2.30	4.39	U	
4105-0396A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.29	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0396A-HO	2/17/2009	Radium-226	2.90	4.70	0.41	0.07		
4105-0396A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	4.69	U	
4105-0396A-HO	2/17/2009	Thorium-232	2.10	3.50	0.18	0.11		
4105-0396A-HO	2/17/2009	Uranium-238	2.20	4.20	0.08	0.30	U	
4105-0397A-HO	2/17/2009	Actinium-227	4.60	13.61	0.01	0.24	U	
4105-0397A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.06	U	
4105-0397A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0397A-HO	2/17/2009	Cesium-137	3.80	10.62	0.02	0.03	U	
4105-0397A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.06	U	
4105-0397A-HO	2/17/2009	Lead-210	7.40	19.80	0.58	0.50		
4105-0397A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.00	6.42	U	
4105-0397A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.44	1.19	U	
4105-0397A-HO	2/17/2009	Radium-226	2.90	4.70	0.54	0.10		
4105-0397A-HO	2/17/2009	Thorium-230	2.80	4.60	2.15	5.32	U	
4105-0397A-HO	2/17/2009	Thorium-232	2.10	3.50	0.20	0.17		
4105-0397A-HO	2/17/2009	Uranium-238	2.20	4.20	0.63	0.33		
4105-0398A-HO	2/17/2009	Actinium-227	4.60	13.61	0.07	0.16	U	
4105-0398A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.04	U	
4105-0398A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.03	U	
4105-0398A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.03	U	
4105-0398A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0398A-HO	2/17/2009	Lead-210	7.40	19.80	0.00	0.41	U	
4105-0398A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.00	4.88	U	
4105-0398A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.12	U	
4105-0398A-HO	2/17/2009	Radium-226	2.90	4.70	0.20	0.07		
4105-0398A-HO	2/17/2009	Thorium-230	2.80	4.60	1.64	3.77	U	
4105-0398A-HO	2/17/2009	Thorium-232	2.10	3.50	0.12	0.09		
4105-0398A-HO	2/17/2009	Uranium-238	2.20	4.20	0.27	0.22		
4105-0399A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.17	U	
4105-0399A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.04	U	
4105-0399A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.01	0.03	U	
4105-0399A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.03	U	
4105-0399A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.04	U	
4105-0399A-HO	2/17/2009	Lead-210	7.40	19.80	0.53	0.30		
4105-0399A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.00	4.42	U	
4105-0399A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	0.95	U	
4105-0399A-HO	2/17/2009	Radium-226	2.90	4.70	0.22	0.06		
4105-0399A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	3.95	U	
4105-0399A-HO	2/17/2009	Thorium-232	2.10	3.50	0.15	0.07		
4105-0399A-HO	2/17/2009	Uranium-238	2.20	4.20	0.32	0.23		
4105-0400A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.16	U	
4105-0400A-HO	2/17/2009	Americium-241	63.00	189.00	0.01	0.03	U	
4105-0400A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.03	U	
4105-0400A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.02	U	
4105-0400A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.01	0.03	U	
4105-0400A-HO	2/17/2009	Lead-210	7.40	19.80	0.28	0.37	U	
4105-0400A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.00	3.87	U	
4105-0400A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.13	1.01	U	
4105-0400A-HO	2/17/2009	Radium-226	2.90	4.70	0.12	0.08		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0400A-HO	2/17/2009	Thorium-230	2.80	4.60	1.22	3.15	U	
4105-0400A-HO	2/17/2009	Thorium-232	2.10	3.50	0.05	0.12	U	
4105-0400A-HO	2/17/2009	Uranium-238	2.20	4.20	0.15	0.20	U	
4105-0401A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.20	U	
4105-0401A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.05	U	
4105-0401A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0401A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0401A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.04	U	
4105-0401A-HO	2/17/2009	Lead-210	7.40	19.80	0.61	0.41		
4105-0401A-HO	2/17/2009	Plutonium-238	55.00	165.13	1.28	4.61	U	
4105-0401A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.24	U	
4105-0401A-HO	2/17/2009	Radium-226	2.90	4.70	0.51	0.08		
4105-0401A-HO	2/17/2009	Thorium-230	2.80	4.60	1.70	4.48	U	
4105-0401A-HO	2/17/2009	Thorium-232	2.10	3.50	0.23	0.10		
4105-0401A-HO	2/17/2009	Uranium-238	2.20	4.20	0.32	0.29		
4105-0402A-HO	2/24/2009	Actinium-227	4.60	13.61	0.00	0.22	U	
4105-0402A-HO	2/24/2009	Americium-241	63.00	189.00	0.03	0.05	U	
4105-0402A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U	
4105-0402A-HO	2/24/2009	Cesium-137	3.80	10.62	0.00	0.03	U	
4105-0402A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.00	0.04	U	
4105-0402A-HO	2/24/2009	Lead-210	7.40	19.80	0.60	0.54		
4105-0402A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	5.48	U	
4105-0402A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.04	1.10	U	
4105-0402A-HO	2/24/2009	Radium-226	2.90	4.70	0.50	0.07		
4105-0402A-HO	2/24/2009	Thorium-230	2.80	4.60	0.11	4.70	U	
4105-0402A-HO	2/24/2009	Thorium-232	2.10	3.50	0.18	0.16		
4105-0402A-HO	2/24/2009	Uranium-238	2.20	4.20	0.50	0.29		
4105-0403A-HO	2/17/2009	Actinium-227	4.60	13.61	0.03	0.22	U	
4105-0403A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.06	U	
4105-0403A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0403A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0403A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.02	0.03	U	
4105-0403A-HO	2/17/2009	Lead-210	7.40	19.80	0.10	0.53	U	
4105-0403A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.00	5.35	U	
4105-0403A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.30	U	
4105-0403A-HO	2/17/2009	Radium-226	2.90	4.70	0.47	0.08		
4105-0403A-HO	2/17/2009	Thorium-230	2.80	4.60	1.88	4.67	U	
4105-0403A-HO	2/17/2009	Thorium-232	2.10	3.50	0.22	0.15		
4105-0403A-HO	2/17/2009	Uranium-238	2.20	4.20	0.38	0.30		
4105-0404A-HO	2/17/2009	Actinium-227	4.60	13.61	0.01	0.07	U	
4105-0404A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.02	U	
4105-0404A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.01	U	
4105-0404A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.01	U	
4105-0404A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.01	U	
4105-0404A-HO	2/17/2009	Lead-210	7.40	19.80	0.27	0.16		
4105-0404A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.00	1.74	U	
4105-0404A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	0.41	U	
4105-0404A-HO	2/17/2009	Radium-226	2.90	4.70	0.39	0.03		
4105-0404A-HO	2/17/2009	Thorium-230	2.80	4.60	0.25	1.55	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0404A-HO	2/17/2009	Thorium-232	2.10	3.50	0.16	0.04		
4105-0404A-HO	2/17/2009	Uranium-238	2.20	4.20	0.27	0.10		
4105-0405A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.19	U	
4105-0405A-HO	2/17/2009	Americium-241	63.00	189.00	0.01	0.04	U	
4105-0405A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0405A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.03	U	
4105-0405A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.03	U	
4105-0405A-HO	2/17/2009	Lead-210	7.40	19.80	0.40	0.40		
4105-0405A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.31	4.70	U	
4105-0405A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.26	U	
4105-0405A-HO	2/17/2009	Radium-226	2.90	4.70	0.23	0.04		
4105-0405A-HO	2/17/2009	Thorium-230	2.80	4.60	0.37	3.86	U	
4105-0405A-HO	2/17/2009	Thorium-232	2.10	3.50	0.16	0.07		
4105-0405A-HO	2/17/2009	Uranium-238	2.20	4.20	0.22	0.25	U	
4105-0406A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.17	U	
4105-0406A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.03	U	
4105-0406A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.01	0.03	U	
4105-0406A-HO	2/17/2009	Cesium-137	3.80	10.62	0.01	0.02	U	
4105-0406A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.04	U	
4105-0406A-HO	2/17/2009	Lead-210	7.40	19.80	0.12	0.34	U	
4105-0406A-HO	2/17/2009	Plutonium-238	55.00	165.13	1.44	3.66	U	
4105-0406A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.29	0.75	U	
4105-0406A-HO	2/17/2009	Radium-226	2.90	4.70	0.19	0.06		
4105-0406A-HO	2/17/2009	Thorium-230	2.80	4.60	0.14	3.19	U	
4105-0406A-HO	2/17/2009	Thorium-232	2.10	3.50	0.00	0.10	U	
4105-0406A-HO	2/17/2009	Uranium-238	2.20	4.20	0.21	0.18		
4105-0407A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.20	U	
4105-0407A-HO	2/17/2009	Americium-241	63.00	189.00	0.03	0.04	U	
4105-0407A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.01	0.03	U	
4105-0407A-HO	2/17/2009	Cesium-137	3.80	10.62	0.02	0.03	U	
4105-0407A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.03	0.04	U	
4105-0407A-HO	2/17/2009	Lead-210	7.40	19.80	0.54	0.41		
4105-0407A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.00	4.73	U	
4105-0407A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.42	U	
4105-0407A-HO	2/17/2009	Radium-226	2.90	4.70	0.37	0.09		
4105-0407A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	4.82	U	
4105-0407A-HO	2/17/2009	Thorium-232	2.10	3.50	0.23	0.10		
4105-0407A-HO	2/17/2009	Uranium-238	2.20	4.20	0.32	0.28		
4105-0408A-HO	2/24/2009	Actinium-227	4.60	13.61	0.05	0.25	U	
4105-0408A-HO	2/24/2009	Americium-241	63.00	189.00	0.07	0.06		
4105-0408A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0408A-HO	2/24/2009	Cesium-137	3.80	10.62	0.01	0.04	U	
4105-0408A-HO	2/24/2009	Cobalt-60	0.70	2.10	0.02	0.04	U	
4105-0408A-HO	2/24/2009	Lead-210	7.40	19.80	0.28	0.54	U	
4105-0408A-HO	2/24/2009	Plutonium-238	55.00	165.13	0.00	6.28	U	
4105-0408A-HO	2/24/2009	Protactinium-231	4.00	11.81	0.62	1.20	U	
4105-0408A-HO	2/24/2009	Radium-226	2.90	4.70	0.55	0.08		
4105-0408A-HO	2/24/2009	Thorium-230	2.80	4.60	0.00	5.86	U	
4105-0408A-HO	2/24/2009	Thorium-232	2.10	3.50	0.50	0.13		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0408A-HO	2/24/2009	Uranium-238	2.20	4.20	0.39	0.34		
4105-0409A-HO	2/17/2009	Actinium-227	4.60	13.61	0.08	0.20	U	
4105-0409A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.05	U	
4105-0409A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0409A-HO	2/17/2009	Cesium-137	3.80	10.62	0.02	0.03	U	
4105-0409A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0409A-HO	2/17/2009	Lead-210	7.40	19.80	0.04	0.51	U	
4105-0409A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.09	4.85	U	
4105-0409A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.33	1.15	U	
4105-0409A-HO	2/17/2009	Radium-226	2.90	4.70	0.34	0.09		
4105-0409A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	4.80	U	
4105-0409A-HO	2/17/2009	Thorium-232	2.10	3.50	0.25	0.08		
4105-0409A-HO	2/17/2009	Uranium-238	2.20	4.20	0.35	0.30		
4105-0410A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.24	U	
4105-0410A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.05	U	
4105-0410A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0410A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0410A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.04	U	
4105-0410A-HO	2/17/2009	Lead-210	7.40	19.80	0.30	0.46	U	
4105-0410A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.53	5.19	U	
4105-0410A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.59	1.16	U	
4105-0410A-HO	2/17/2009	Radium-226	2.90	4.70	0.51	0.10		
4105-0410A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	5.16	U	
4105-0410A-HO	2/17/2009	Thorium-232	2.10	3.50	0.11	0.17	U	
4105-0410A-HO	2/17/2009	Uranium-238	2.20	4.20	0.67	0.29		
4105-0411A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.24	U	
4105-0411A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.05	U	
4105-0411A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.03	0.04	U	
4105-0411A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0411A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.03	U	
4105-0411A-HO	2/17/2009	Lead-210	7.40	19.80	0.44	0.47	U	
4105-0411A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.44	5.39	U	
4105-0411A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.01	1.30	U	
4105-0411A-HO	2/17/2009	Radium-226	2.90	4.70	0.51	0.07		
4105-0411A-HO	2/17/2009	Thorium-230	2.80	4.60	0.53	5.00	U	
4105-0411A-HO	2/17/2009	Thorium-232	2.10	3.50	0.23	0.12		
4105-0411A-HO	2/17/2009	Uranium-238	2.20	4.20	0.41	0.31		
4105-0412A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.18	U	
4105-0412A-HO	2/17/2009	Americium-241	63.00	189.00	0.03	0.03	U	
4105-0412A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.02	0.03	U	
4105-0412A-HO	2/17/2009	Cesium-137	3.80	10.62	0.03	0.02		
4105-0412A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0412A-HO	2/17/2009	Lead-210	7.40	19.80	0.36	0.36		
4105-0412A-HO	2/17/2009	Plutonium-238	55.00	165.13	1.13	4.04	U	
4105-0412A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.20	U	
4105-0412A-HO	2/17/2009	Radium-226	2.90	4.70	0.21	0.06		
4105-0412A-HO	2/17/2009	Thorium-230	2.80	4.60	1.64	3.41	U	
4105-0412A-HO	2/17/2009	Thorium-232	2.10	3.50	0.03	0.13	U	
4105-0412A-HO	2/17/2009	Uranium-238	2.20	4.20	0.36	0.19		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0413A-HO	2/17/2009	Actinium-227	4.60	13.61	0.02	0.15	U	
4105-0413A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.04	U	
4105-0413A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.01	0.03	U	
4105-0413A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.03	U	
4105-0413A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.03	U	
4105-0413A-HO	2/17/2009	Lead-210	7.40	19.80	0.37	0.27		
4105-0413A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.00	3.92	U	
4105-0413A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.05	0.97	U	
4105-0413A-HO	2/17/2009	Radium-226	2.90	4.70	0.15	0.04		
4105-0413A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	3.44	U	
4105-0413A-HO	2/17/2009	Thorium-232	2.10	3.50	0.16	0.02		
4105-0413A-HO	2/17/2009	Uranium-238	2.20	4.20	0.07	0.23	U	
4105-0414A-HO	2/23/2009	Actinium-227	4.60	13.61	0.02	0.25	U	
4105-0414A-HO	2/23/2009	Americium-241	63.00	189.00	0.00	0.06	U	
4105-0414A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0414A-HO	2/23/2009	Cesium-137	3.80	10.62	0.03	0.04	U	
4105-0414A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.03	0.04	U	
4105-0414A-HO	2/23/2009	Lead-210	7.40	19.80	0.43	0.59	U	
4105-0414A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.08	5.77	U	
4105-0414A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.58	1.32	U	
4105-0414A-HO	2/23/2009	Radium-226	2.90	4.70	0.54	0.12		
4105-0414A-HO	2/23/2009	Thorium-230	2.80	4.60	4.46	5.68	U	
4105-0414A-HO	2/23/2009	Thorium-232	2.10	3.50	0.51	0.12		
4105-0414A-HO	2/23/2009	Uranium-238	2.20	4.20	0.69	0.36		
4105-0415A-HO	2/23/2009	Actinium-227	4.60	13.61	0.03	0.32	U	
4105-0415A-HO	2/23/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0415A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0415A-HO	2/23/2009	Cesium-137	3.80	10.62	0.01	0.05	U	
4105-0415A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.04	0.06	U	
4105-0415A-HO	2/23/2009	Lead-210	7.40	19.80	0.87	0.53		
4105-0415A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.00	7.55	U	
4105-0415A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.72	1.65	U	
4105-0415A-HO	2/23/2009	Radium-226	2.90	4.70	0.50	0.14		
4105-0415A-HO	2/23/2009	Thorium-230	2.80	4.60	3.52	6.53	U	
4105-0415A-HO	2/23/2009	Thorium-232	2.10	3.50	0.50	0.25		
4105-0415A-HO	2/23/2009	Uranium-238	2.20	4.20	1.32	0.41		
4105-0416A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.30	U	
4105-0416A-HO	2/23/2009	Americium-241	63.00	189.00	0.01	0.07	U	
4105-0416A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U	
4105-0416A-HO	2/23/2009	Cesium-137	3.80	10.62	0.02	0.05	U	
4105-0416A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.02	0.04	U	
4105-0416A-HO	2/23/2009	Lead-210	7.40	19.80	0.33	0.70	U	
4105-0416A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.00	6.68	U	
4105-0416A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	1.73	U	
4105-0416A-HO	2/23/2009	Radium-226	2.90	4.70	0.52	0.14		
4105-0416A-HO	2/23/2009	Thorium-230	2.80	4.60	0.00	6.53	U	
4105-0416A-HO	2/23/2009	Thorium-232	2.10	3.50	0.31	0.20		
4105-0416A-HO	2/23/2009	Uranium-238	2.20	4.20	0.52	0.39		
4105-0417A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.29	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0417A-HO	2/23/2009	Americium-241	63.00	189.00	0.04	0.06	U	
4105-0417A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U	
4105-0417A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0417A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0417A-HO	2/23/2009	Lead-210	7.40	19.80	0.65	0.60		
4105-0417A-HO	2/23/2009	Plutonium-238	55.00	165.13	3.13	6.19	U	
4105-0417A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.05	1.56	U	
4105-0417A-HO	2/23/2009	Radium-226	2.90	4.70	0.60	0.11		
4105-0417A-HO	2/23/2009	Thorium-230	2.80	4.60	0.00	6.41	U	
4105-0417A-HO	2/23/2009	Thorium-232	2.10	3.50	0.27	0.18		
4105-0417A-HO	2/23/2009	Uranium-238	2.20	4.20	0.94	0.35		
4105-0418A-HO	2/17/2009	Actinium-227	4.60	13.61	0.15	0.22	U	
4105-0418A-HO	2/17/2009	Americium-241	63.00	189.00	0.03	0.05	U	
4105-0418A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0418A-HO	2/17/2009	Cesium-137	3.80	10.62	0.03	0.03	U	
4105-0418A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.01	0.06	U	
4105-0418A-HO	2/17/2009	Lead-210	7.40	19.80	0.57	0.51		
4105-0418A-HO	2/17/2009	Plutonium-238	55.00	165.13	1.35	5.25	U	
4105-0418A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.31	U	
4105-0418A-HO	2/17/2009	Radium-226	2.90	4.70	0.59	0.05		
4105-0418A-HO	2/17/2009	Thorium-230	2.80	4.60	0.54	5.28	U	
4105-0418A-HO	2/17/2009	Thorium-232	2.10	3.50	0.25	0.16		
4105-0418A-HO	2/17/2009	Uranium-238	2.20	4.20	0.50	0.34		
4105-0419A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.19	U	
4105-0419A-HO	2/17/2009	Americium-241	63.00	189.00	0.01	0.04	U	
4105-0419A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.01	0.03	U	
4105-0419A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0419A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.01	0.04	U	
4105-0419A-HO	2/17/2009	Lead-210	7.40	19.80	0.20	0.43	U	
4105-0419A-HO	2/17/2009	Plutonium-238	55.00	165.13	2.78	3.91	U	
4105-0419A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.14	U	
4105-0419A-HO	2/17/2009	Radium-226	2.90	4.70	0.23	0.10		
4105-0419A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	4.39	U	
4105-0419A-HO	2/17/2009	Thorium-232	2.10	3.50	0.16	0.14		
4105-0419A-HO	2/17/2009	Uranium-238	2.20	4.20	0.25	0.26	U	
4105-0420A-HO	2/17/2009	Actinium-227	4.60	13.61	0.09	0.18	U	
4105-0420A-HO	2/17/2009	Americium-241	63.00	189.00	0.00	0.05	U	
4105-0420A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0420A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.03	U	
4105-0420A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0420A-HO	2/17/2009	Lead-210	7.40	19.80	0.46	0.43		
4105-0420A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.82	5.03	U	
4105-0420A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.57	0.96	U	
4105-0420A-HO	2/17/2009	Radium-226	2.90	4.70	0.40	0.08		
4105-0420A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	4.68	U	
4105-0420A-HO	2/17/2009	Thorium-232	2.10	3.50	0.16	0.11		
4105-0420A-HO	2/17/2009	Uranium-238	2.20	4.20	0.37	0.28		
4105-0421A-HO	2/18/2009	Actinium-227	4.60	13.61	0.00	0.20	U	
4105-0421A-HO	2/18/2009	Americium-241	63.00	189.00	0.01	0.04	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0421A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.01	0.03	U	
4105-0421A-HO	2/18/2009	Cesium-137	3.80	10.62	0.01	0.03	U	
4105-0421A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.01	0.03	U	
4105-0421A-HO	2/18/2009	Lead-210	7.40	19.80	0.08	0.45	U	
4105-0421A-HO	2/18/2009	Plutonium-238	55.00	165.13	0.44	4.37	U	
4105-0421A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.00	1.28	U	
4105-0421A-HO	2/18/2009	Radium-226	2.90	4.70	0.24	0.08		
4105-0421A-HO	2/18/2009	Thorium-230	2.80	4.60	0.00	3.91	U	
4105-0421A-HO	2/18/2009	Thorium-232	2.10	3.50	0.03	0.15	U	
4105-0421A-HO	2/18/2009	Uranium-238	2.20	4.20	0.43	0.25		
4105-0422A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.35	U	
4105-0422A-HO	2/23/2009	Americium-241	63.00	189.00	0.02	0.08	U	
4105-0422A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U	
4105-0422A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0422A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.06	U	
4105-0422A-HO	2/23/2009	Lead-210	7.40	19.80	1.09	0.67		
4105-0422A-HO	2/23/2009	Plutonium-238	55.00	165.13	2.97	7.38	U	
4105-0422A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	1.99	U	
4105-0422A-HO	2/23/2009	Radium-226	2.90	4.70	0.64	0.12		
4105-0422A-HO	2/23/2009	Thorium-230	2.80	4.60	3.05	7.59	U	
4105-0422A-HO	2/23/2009	Thorium-232	2.10	3.50	0.56	0.23		
4105-0422A-HO	2/23/2009	Uranium-238	2.20	4.20	0.63	0.48		
4105-0423A-HO	2/23/2009	Actinium-227	4.60	13.61	0.22	0.31	U	
4105-0423A-HO	2/23/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0423A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0423A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0423A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.02	0.06	U	
4105-0423A-HO	2/23/2009	Lead-210	7.40	19.80	0.15	0.71	U	
4105-0423A-HO	2/23/2009	Plutonium-238	55.00	165.13	2.65	6.57	U	
4105-0423A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.78	1.76	U	
4105-0423A-HO	2/23/2009	Radium-226	2.90	4.70	0.53	0.13		
4105-0423A-HO	2/23/2009	Thorium-230	2.80	4.60	1.10	6.82	U	
4105-0423A-HO	2/23/2009	Thorium-232	2.10	3.50	0.33	0.25		
4105-0423A-HO	2/23/2009	Uranium-238	2.20	4.20	0.73	0.44		
4105-0424A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.33	U	
4105-0424A-HO	2/23/2009	Americium-241	63.00	189.00	0.03	0.07	U	
4105-0424A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U	
4105-0424A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0424A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0424A-HO	2/23/2009	Lead-210	7.40	19.80	0.32	0.68	U	
4105-0424A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.00	7.32	U	
4105-0424A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.16	1.68	U	
4105-0424A-HO	2/23/2009	Radium-226	2.90	4.70	0.72	0.12		
4105-0424A-HO	2/23/2009	Thorium-230	2.80	4.60	0.49	6.57	U	
4105-0424A-HO	2/23/2009	Thorium-232	2.10	3.50	0.50	0.22		
4105-0424A-HO	2/23/2009	Uranium-238	2.20	4.20	0.85	0.41		
4105-0425A-HO	2/23/2009	Actinium-227	4.60	13.61	0.09	0.33	U	
4105-0425A-HO	2/23/2009	Americium-241	63.00	189.00	0.01	0.08	U	
4105-0425A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.04	0.05	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0425A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0425A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0425A-HO	2/23/2009	Lead-210	7.40	19.80	0.65	0.75	U	
4105-0425A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.98	7.25	U	
4105-0425A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	1.79	U	
4105-0425A-HO	2/23/2009	Radium-226	2.90	4.70	0.54	0.15		
4105-0425A-HO	2/23/2009	Thorium-230	2.80	4.60	0.00	7.72	U	
4105-0425A-HO	2/23/2009	Thorium-232	2.10	3.50	0.62	0.20		
4105-0425A-HO	2/23/2009	Uranium-238	2.20	4.20	0.48	0.48		
4105-0426A-HO	2/23/2009	Actinium-227	4.60	13.61	0.17	0.31	U	
4105-0426A-HO	2/23/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0426A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0426A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0426A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.09	U	
4105-0426A-HO	2/23/2009	Lead-210	7.40	19.80	1.36	0.60		
4105-0426A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.00	7.50	U	
4105-0426A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	1.84	U	
4105-0426A-HO	2/23/2009	Radium-226	2.90	4.70	0.52	0.12		
4105-0426A-HO	2/23/2009	Thorium-230	2.80	4.60	1.95	7.34	U	
4105-0426A-HO	2/23/2009	Thorium-232	2.10	3.50	0.50	0.18		
4105-0426A-HO	2/23/2009	Uranium-238	2.20	4.20	0.74	0.45		
4105-0427A-HO	2/17/2009	Actinium-227	4.60	13.61	0.00	0.25	U	
4105-0427A-HO	2/17/2009	Americium-241	63.00	189.00	0.05	0.05	U	
4105-0427A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0427A-HO	2/17/2009	Cesium-137	3.80	10.62	0.06	0.03		
4105-0427A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0427A-HO	2/17/2009	Lead-210	7.40	19.80	0.56	0.54		
4105-0427A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.24	5.57	U	
4105-0427A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.00	1.34	U	
4105-0427A-HO	2/17/2009	Radium-226	2.90	4.70	0.58	0.08		
4105-0427A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	5.42	U	
4105-0427A-HO	2/17/2009	Thorium-232	2.10	3.50	0.22	0.13		
4105-0427A-HO	2/17/2009	Uranium-238	2.20	4.20	0.72	0.31		
4105-0428A-HO	2/17/2009	Actinium-227	4.60	13.61	0.05	0.07	U	
4105-0428A-HO	2/17/2009	Americium-241	63.00	189.00	0.01	0.02	U	
4105-0428A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	0.01	U	
4105-0428A-HO	2/17/2009	Cesium-137	3.80	10.62	0.00	0.01	U	
4105-0428A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.02	U	
4105-0428A-HO	2/17/2009	Lead-210	7.40	19.80	0.31	0.15		
4105-0428A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.04	1.59	U	
4105-0428A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.17	0.39	U	
4105-0428A-HO	2/17/2009	Radium-226	2.90	4.70	0.38	0.03		
4105-0428A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	1.55	U	
4105-0428A-HO	2/17/2009	Thorium-232	2.10	3.50	0.15	0.04		
4105-0428A-HO	2/17/2009	Uranium-238	2.20	4.20	0.25	0.10		
4105-0429A-HO	2/18/2009	Actinium-227	4.60	13.61	0.00	0.08	U	
4105-0429A-HO	2/18/2009	Americium-241	63.00	189.00	0.08	0.02		
4105-0429A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.00	0.01	U	
4105-0429A-HO	2/18/2009	Cesium-137	3.80	10.62	0.00	0.01	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0429A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.00	0.01	U	
4105-0429A-HO	2/18/2009	Lead-210	7.40	19.80	0.27	0.16		
4105-0429A-HO	2/18/2009	Plutonium-238	55.00	165.13	0.00	1.76	U	
4105-0429A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.00	0.44	U	
4105-0429A-HO	2/18/2009	Radium-226	2.90	4.70	0.43	0.03		
4105-0429A-HO	2/18/2009	Thorium-230	2.80	4.60	0.20	1.64	U	
4105-0429A-HO	2/18/2009	Thorium-232	2.10	3.50	0.18	0.04		
4105-0429A-HO	2/18/2009	Uranium-238	2.20	4.20	0.38	0.10		
4105-0430A-HO	2/18/2009	Actinium-227	4.60	13.61	0.02	0.14	U	
4105-0430A-HO	2/18/2009	Americium-241	63.00	189.00	0.00	0.03	U	
4105-0430A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.00	0.03	U	
4105-0430A-HO	2/18/2009	Cesium-137	3.80	10.62	0.01	0.02	U	
4105-0430A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.00	0.04	U	
4105-0430A-HO	2/18/2009	Lead-210	7.40	19.80	0.29	0.32	U	
4105-0430A-HO	2/18/2009	Plutonium-238	55.00	165.13	1.17	3.13	U	
4105-0430A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.00	0.93	U	
4105-0430A-HO	2/18/2009	Radium-226	2.90	4.70	0.17	0.06		
4105-0430A-HO	2/18/2009	Thorium-230	2.80	4.60	0.28	3.09	U	
4105-0430A-HO	2/18/2009	Thorium-232	2.10	3.50	0.09	0.08		
4105-0430A-HO	2/18/2009	Uranium-238	2.20	4.20	0.24	0.21		
4105-0431A-HO	2/18/2009	Actinium-227	4.60	13.61	0.03	0.29	U	
4105-0431A-HO	2/18/2009	Americium-241	63.00	189.00	0.02	0.07	U	
4105-0431A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0431A-HO	2/18/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0431A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.02	0.06	U	
4105-0431A-HO	2/18/2009	Lead-210	7.40	19.80	0.10	0.70	U	
4105-0431A-HO	2/18/2009	Plutonium-238	55.00	165.13	0.00	6.74	U	
4105-0431A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.00	1.64	U	
4105-0431A-HO	2/18/2009	Radium-226	2.90	4.70	0.64	0.12		
4105-0431A-HO	2/18/2009	Thorium-230	2.80	4.60	0.07	6.46	U	
4105-0431A-HO	2/18/2009	Thorium-232	2.10	3.50	0.70	0.17		
4105-0431A-HO	2/18/2009	Uranium-238	2.20	4.20	0.72	0.41		
4105-0432A-HO	2/18/2009	Actinium-227	4.60	13.61	0.04	0.25	U	
4105-0432A-HO	2/18/2009	Americium-241	63.00	189.00	0.04	0.06	U	
4105-0432A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0432A-HO	2/18/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0432A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.02	0.04	U	
4105-0432A-HO	2/18/2009	Lead-210	7.40	19.80	0.81	0.39		
4105-0432A-HO	2/18/2009	Plutonium-238	55.00	165.13	0.00	5.86	U	
4105-0432A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.12	1.39	U	
4105-0432A-HO	2/18/2009	Radium-226	2.90	4.70	0.59	0.10		
4105-0432A-HO	2/18/2009	Thorium-230	2.80	4.60	2.38	5.34	U	
4105-0432A-HO	2/18/2009	Thorium-232	2.10	3.50	0.27	0.16		
4105-0432A-HO	2/18/2009	Uranium-238	2.20	4.20	0.58	0.27		
4105-0433A-HO	2/18/2009	Actinium-227	4.60	13.61	0.07	0.18	U	
4105-0433A-HO	2/18/2009	Americium-241	63.00	189.00	0.04	0.04	U	
4105-0433A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.00	0.03	U	
4105-0433A-HO	2/18/2009	Cesium-137	3.80	10.62	0.02	0.03	U	
4105-0433A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.01	0.26	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0433A-HO	2/18/2009	Lead-210	7.40	19.80	0.30	0.40	U	
4105-0433A-HO	2/18/2009	Plutonium-238	55.00	165.13	1.10	4.09	U	
4105-0433A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.29	1.01	U	
4105-0433A-HO	2/18/2009	Radium-226	2.90	4.70	0.36	0.09		
4105-0433A-HO	2/18/2009	Thorium-230	2.80	4.60	1.64	4.09	U	
4105-0433A-HO	2/18/2009	Thorium-232	2.10	3.50	0.11	0.14	U	
4105-0433A-HO	2/18/2009	Uranium-238	2.20	4.20	0.51	0.25		
4105-0434A-HO	2/17/2009	Actinium-227	4.60	13.61	0.07	0.20	U	
4105-0434A-HO	2/17/2009	Americium-241	63.00	189.00	0.01	0.06	U	
4105-0434A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.02	0.03	U	
4105-0434A-HO	2/17/2009	Cesium-137	3.80	10.62	0.02	0.03	U	
4105-0434A-HO	2/17/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0434A-HO	2/17/2009	Lead-210	7.40	19.80	0.20	0.52	U	
4105-0434A-HO	2/17/2009	Plutonium-238	55.00	165.13	0.00	5.21	U	
4105-0434A-HO	2/17/2009	Protactinium-231	4.00	11.81	0.09	1.18	U	
4105-0434A-HO	2/17/2009	Radium-226	2.90	4.70	0.35	0.09		
4105-0434A-HO	2/17/2009	Thorium-230	2.80	4.60	0.00	4.97	U	
4105-0434A-HO	2/17/2009	Thorium-232	2.10	3.50	0.18	0.10		
4105-0434A-HO	2/17/2009	Uranium-238	2.20	4.20	0.52	0.27		
4105-0435A-HO	2/18/2009	Actinium-227	4.60	13.61	0.00	0.23	U	
4105-0435A-HO	2/18/2009	Americium-241	63.00	189.00	0.05	0.05		
4105-0435A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U	
4105-0435A-HO	2/18/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0435A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.00	0.04	U	
4105-0435A-HO	2/18/2009	Lead-210	7.40	19.80	0.53	0.44		
4105-0435A-HO	2/18/2009	Plutonium-238	55.00	165.13	2.05	3.93	U	
4105-0435A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.00	1.52	U	
4105-0435A-HO	2/18/2009	Radium-226	2.90	4.70	0.32	0.08		
4105-0435A-HO	2/18/2009	Thorium-230	2.80	4.60	0.00	5.00	U	
4105-0435A-HO	2/18/2009	Thorium-232	2.10	3.50	0.25	0.07		
4105-0435A-HO	2/18/2009	Uranium-238	2.20	4.20	0.28	0.30	U	
4105-0436A-HO	2/18/2009	Actinium-227	4.60	13.61	0.00	0.19	U	
4105-0436A-HO	2/18/2009	Americium-241	63.00	189.00	0.00	0.04	U	
4105-0436A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0436A-HO	2/18/2009	Cesium-137	3.80	10.62	0.01	0.03	U	
4105-0436A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.00	0.05	U	
4105-0436A-HO	2/18/2009	Lead-210	7.40	19.80	0.34	0.41	U	
4105-0436A-HO	2/18/2009	Plutonium-238	55.00	165.13	1.75	4.48	U	
4105-0436A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.00	0.97	U	
4105-0436A-HO	2/18/2009	Radium-226	2.90	4.70	0.43	0.04		
4105-0436A-HO	2/18/2009	Thorium-230	2.80	4.60	1.66	3.59	U	
4105-0436A-HO	2/18/2009	Thorium-232	2.10	3.50	0.16	0.09		
4105-0436A-HO	2/18/2009	Uranium-238	2.20	4.20	0.34	0.24		
4105-0437A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.38	U	
4105-0437A-HO	2/23/2009	Americium-241	63.00	189.00	0.04	0.09	U	
4105-0437A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0437A-HO	2/23/2009	Cesium-137	3.80	10.62	0.01	0.06	U	
4105-0437A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.09	U	
4105-0437A-HO	2/23/2009	Lead-210	7.40	19.80	0.54	0.83	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0437A-HO	2/23/2009	Plutonium-238	55.00	165.13	3.22	7.65	U	
4105-0437A-HO	2/23/2009	Protactinium-231	4.00	11.81	1.11	1.73	U	
4105-0437A-HO	2/23/2009	Radium-226	2.90	4.70	0.61	0.17		
4105-0437A-HO	2/23/2009	Thorium-230	2.80	4.60	5.81	7.82	U	
4105-0437A-HO	2/23/2009	Thorium-232	2.10	3.50	0.78	0.26		
4105-0437A-HO	2/23/2009	Uranium-238	2.20	4.20	0.86	0.47		
4105-0438A-HO	2/25/2009	Actinium-227	4.60	13.61	0.00	0.39	U	
4105-0438A-HO	2/25/2009	Americium-241	63.00	189.00	0.00	0.09	U	
4105-0438A-HO	2/25/2009	Bismuth-210M	8.30	24.90	0.04	0.05	U	
4105-0438A-HO	2/25/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0438A-HO	2/25/2009	Cobalt-60	0.70	2.10	0.03	0.06	U	
4105-0438A-HO	2/25/2009	Lead-210	7.40	19.80	0.28	0.83	U	
4105-0438A-HO	2/25/2009	Plutonium-238	55.00	165.13	0.00	8.29	U	
4105-0438A-HO	2/25/2009	Protactinium-231	4.00	11.81	0.45	1.85	U	
4105-0438A-HO	2/25/2009	Radium-226	2.90	4.70	0.59	0.14		
4105-0438A-HO	2/25/2009	Thorium-230	2.80	4.60	1.70	7.66	U	
4105-0438A-HO	2/25/2009	Thorium-232	2.10	3.50	0.53	0.27		
4105-0438A-HO	2/25/2009	Uranium-238	2.20	4.20	0.94	0.49		
4105-0439A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.32	U	
4105-0439A-HO	2/23/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0439A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.04	0.05	U	
4105-0439A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0439A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0439A-HO	2/23/2009	Lead-210	7.40	19.80	0.70	0.66		
4105-0439A-HO	2/23/2009	Plutonium-238	55.00	165.13	2.24	6.50	U	
4105-0439A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	1.78	U	
4105-0439A-HO	2/23/2009	Radium-226	2.90	4.70	0.57	0.15		
4105-0439A-HO	2/23/2009	Thorium-230	2.80	4.60	1.44	7.09	U	
4105-0439A-HO	2/23/2009	Thorium-232	2.10	3.50	0.76	0.19		
4105-0439A-HO	2/23/2009	Uranium-238	2.20	4.20	0.79	0.44		
4105-0440A-HO	2/23/2009	Actinium-227	4.60	13.61	0.05	0.35	U	
4105-0440A-HO	2/23/2009	Americium-241	63.00	189.00	0.04	0.08	U	
4105-0440A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U	
4105-0440A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0440A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0440A-HO	2/23/2009	Lead-210	7.40	19.80	0.89	0.71		
4105-0440A-HO	2/23/2009	Plutonium-238	55.00	165.13	2.58	6.95	U	
4105-0440A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.75	1.63	U	
4105-0440A-HO	2/23/2009	Radium-226	2.90	4.70	0.57	0.14		
4105-0440A-HO	2/23/2009	Thorium-230	2.80	4.60	0.00	7.52	U	
4105-0440A-HO	2/23/2009	Thorium-232	2.10	3.50	0.57	0.22		
4105-0440A-HO	2/23/2009	Uranium-238	2.20	4.20	0.77	0.42		
4105-0441A-HO	2/18/2009	Actinium-227	4.60	13.61	0.00	0.32	U	
4105-0441A-HO	2/18/2009	Americium-241	63.00	189.00	0.00	0.07	U	
4105-0441A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0441A-HO	2/18/2009	Cesium-137	3.80	10.62	0.01	0.05	U	
4105-0441A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.01	0.06	U	
4105-0441A-HO	2/18/2009	Lead-210	7.40	19.80	0.54	0.66	U	
4105-0441A-HO	2/18/2009	Plutonium-238	55.00	165.13	2.24	6.33	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0441A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.00	1.71	U	
4105-0441A-HO	2/18/2009	Radium-226	2.90	4.70	0.63	0.13		
4105-0441A-HO	2/18/2009	Thorium-230	2.80	4.60	0.00	7.09	U	
4105-0441A-HO	2/18/2009	Thorium-232	2.10	3.50	0.86	0.13		
4105-0441A-HO	2/18/2009	Uranium-238	2.20	4.20	1.20	0.41		
4105-0442A-HO	2/18/2009	Actinium-227	4.60	13.61	0.00	0.27	U	
4105-0442A-HO	2/18/2009	Americium-241	63.00	189.00	0.00	0.07	U	
4105-0442A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.03	0.04	U	
4105-0442A-HO	2/18/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0442A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.00	0.06	U	
4105-0442A-HO	2/18/2009	Lead-210	7.40	19.80	0.04	0.65	U	
4105-0442A-HO	2/18/2009	Plutonium-238	55.00	165.13	1.90	5.79	U	
4105-0442A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.00	1.45	U	
4105-0442A-HO	2/18/2009	Radium-226	2.90	4.70	0.64	0.08		
4105-0442A-HO	2/18/2009	Thorium-230	2.80	4.60	2.24	6.10	U	
4105-0442A-HO	2/18/2009	Thorium-232	2.10	3.50	0.57	0.17		
4105-0442A-HO	2/18/2009	Uranium-238	2.20	4.20	0.73	0.37		
4105-0443A-HO	2/18/2009	Actinium-227	4.60	13.61	0.14	0.30	U	
4105-0443A-HO	2/18/2009	Americium-241	63.00	189.00	0.03	0.07	U	
4105-0443A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.03	0.05	U	
4105-0443A-HO	2/18/2009	Cesium-137	3.80	10.62	0.01	0.05	U	
4105-0443A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0443A-HO	2/18/2009	Lead-210	7.40	19.80	0.68	0.59		
4105-0443A-HO	2/18/2009	Plutonium-238	55.00	165.13	1.65	6.55	U	
4105-0443A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.63	1.56	U	
4105-0443A-HO	2/18/2009	Radium-226	2.90	4.70	0.63	0.11		
4105-0443A-HO	2/18/2009	Thorium-230	2.80	4.60	0.00	7.01	U	
4105-0443A-HO	2/18/2009	Thorium-232	2.10	3.50	0.48	0.20		
4105-0443A-HO	2/18/2009	Uranium-238	2.20	4.20	0.95	0.41		
4105-0444A-HO	2/18/2009	Actinium-227	4.60	13.61	0.11	0.32	U	
4105-0444A-HO	2/18/2009	Americium-241	63.00	189.00	0.01	0.08	U	
4105-0444A-HO	2/18/2009	Bismuth-210M	8.30	24.90	0.03	0.05	U	
4105-0444A-HO	2/18/2009	Cesium-137	3.80	10.62	0.01	0.05	U	
4105-0444A-HO	2/18/2009	Cobalt-60	0.70	2.10	0.00	0.07	U	
4105-0444A-HO	2/18/2009	Lead-210	7.40	19.80	1.29	0.63		
4105-0444A-HO	2/18/2009	Plutonium-238	55.00	165.13	6.14	6.39	U	
4105-0444A-HO	2/18/2009	Protactinium-231	4.00	11.81	0.00	1.77	U	
4105-0444A-HO	2/18/2009	Radium-226	2.90	4.70	0.68	0.11		
4105-0444A-HO	2/18/2009	Thorium-230	2.80	4.60	0.00	7.25	U	
4105-0444A-HO	2/18/2009	Thorium-232	2.10	3.50	0.68	0.20		
4105-0444A-HO	2/18/2009	Uranium-238	2.20	4.20	0.78	0.45		
4105-0445A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.31	U	
4105-0445A-HO	2/23/2009	Americium-241	63.00	189.00	0.02	0.07	U	
4105-0445A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U	
4105-0445A-HO	2/23/2009	Cesium-137	3.80	10.62	0.04	0.04	U	
4105-0445A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.02	0.06	U	
4105-0445A-HO	2/23/2009	Lead-210	7.40	19.80	0.50	0.68	U	
4105-0445A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.85	6.75	U	
4105-0445A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.11	1.63	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0445A-HO	2/23/2009	Radium-226	2.90	4.70	0.59	0.14		
4105-0445A-HO	2/23/2009	Thorium-230	2.80	4.60	0.00	7.17	U	
4105-0445A-HO	2/23/2009	Thorium-232	2.10	3.50	0.65	0.19		
4105-0445A-HO	2/23/2009	Uranium-238	2.20	4.20	1.05	0.41		
4105-0446A-HO	2/23/2009	Actinium-227	4.60	13.61	0.09	0.34	U	
4105-0446A-HO	2/23/2009	Americium-241	63.00	189.00	0.00	0.09	U	
4105-0446A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.04	0.05	U	
4105-0446A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0446A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0446A-HO	2/23/2009	Lead-210	7.40	19.80	0.99	0.71		
4105-0446A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.00	8.04	U	
4105-0446A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	2.19	U	
4105-0446A-HO	2/23/2009	Radium-226	2.90	4.70	0.61	0.12		
4105-0446A-HO	2/23/2009	Thorium-230	2.80	4.60	0.00	7.72	U	
4105-0446A-HO	2/23/2009	Thorium-232	2.10	3.50	0.73	0.19		
4105-0446A-HO	2/23/2009	Uranium-238	2.20	4.20	0.88	0.51		
4105-0447A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.44	U	
4105-0447A-HO	2/23/2009	Americium-241	63.00	189.00	0.14	0.09		
4105-0447A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U	
4105-0447A-HO	2/23/2009	Cesium-137	3.80	10.62	0.04	0.06	U	
4105-0447A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.12	U	
4105-0447A-HO	2/23/2009	Lead-210	7.40	19.80	0.46	0.97	U	
4105-0447A-HO	2/23/2009	Plutonium-238	55.00	165.13	9.85	10.04	U	
4105-0447A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.07	2.17	U	
4105-0447A-HO	2/23/2009	Radium-226	2.90	4.70	0.56	0.19		
4105-0447A-HO	2/23/2009	Thorium-230	2.80	4.60	0.00	9.63	U	
4105-0447A-HO	2/23/2009	Thorium-232	2.10	3.50	0.72	0.33		
4105-0447A-HO	2/23/2009	Uranium-238	2.20	4.20	0.98	0.58		
4105-0448A-HO	2/19/2009	Actinium-227	4.60	13.61	0.21	0.31	U	
4105-0448A-HO	2/19/2009	Americium-241	63.00	189.00	0.05	0.08	U	
4105-0448A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0448A-HO	2/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0448A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.01	0.06	U	
4105-0448A-HO	2/19/2009	Lead-210	7.40	19.80	0.52	0.72	U	
4105-0448A-HO	2/19/2009	Plutonium-238	55.00	165.13	1.38	6.75	U	
4105-0448A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.36	1.66	U	
4105-0448A-HO	2/19/2009	Radium-226	2.90	4.70	0.82	0.11		
4105-0448A-HO	2/19/2009	Thorium-230	2.80	4.60	0.00	7.30	U	
4105-0448A-HO	2/19/2009	Thorium-232	2.10	3.50	0.73	0.21		
4105-0448A-HO	2/19/2009	Uranium-238	2.20	4.20	0.91	0.44		
4105-0449A-HO	2/19/2009	Actinium-227	4.60	13.61	0.00	0.33	U	
4105-0449A-HO	2/19/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0449A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0449A-HO	2/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0449A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.03	0.06	U	
4105-0449A-HO	2/19/2009	Lead-210	7.40	19.80	0.58	0.72	U	
4105-0449A-HO	2/19/2009	Plutonium-238	55.00	165.13	0.00	7.59	U	
4105-0449A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.00	1.87	U	
4105-0449A-HO	2/19/2009	Radium-226	2.90	4.70	0.68	0.15		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0449A-HO	2/19/2009	Thorium-230	2.80	4.60	0.43	7.77	U	
4105-0449A-HO	2/19/2009	Thorium-232	2.10	3.50	0.67	0.21		
4105-0449A-HO	2/19/2009	Uranium-238	2.20	4.20	1.12	0.41		
4105-0450A-HO	2/19/2009	Actinium-227	4.60	13.61	0.05	0.37	U	
4105-0450A-HO	2/19/2009	Americium-241	63.00	189.00	0.00	0.09	U	
4105-0450A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U	
4105-0450A-HO	2/19/2009	Cesium-137	3.80	10.62	0.00	0.07	U	
4105-0450A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.04	0.07	U	
4105-0450A-HO	2/19/2009	Lead-210	7.40	19.80	1.00	0.79		
4105-0450A-HO	2/19/2009	Plutonium-238	55.00	165.13	1.00	7.94	U	
4105-0450A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.92	1.69	U	
4105-0450A-HO	2/19/2009	Radium-226	2.90	4.70	0.77	0.15		
4105-0450A-HO	2/19/2009	Thorium-230	2.80	4.60	0.00	8.45	U	
4105-0450A-HO	2/19/2009	Thorium-232	2.10	3.50	0.87	0.24		
4105-0450A-HO	2/19/2009	Uranium-238	2.20	4.20	1.02	0.50		
4105-0451A-HO	2/19/2009	Actinium-227	4.60	13.61	0.10	0.29	U	
4105-0451A-HO	2/19/2009	Americium-241	63.00	189.00	0.29	0.07		
4105-0451A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U	
4105-0451A-HO	2/19/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0451A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.03	0.05	U	
4105-0451A-HO	2/19/2009	Lead-210	7.40	19.80	0.57	0.61	U	
4105-0451A-HO	2/19/2009	Plutonium-238	55.00	165.13	19.56	6.44		
4105-0451A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.00	1.57	U	
4105-0451A-HO	2/19/2009	Radium-226	2.90	4.70	0.68	0.10		
4105-0451A-HO	2/19/2009	Thorium-230	2.80	4.60	0.00	6.66	U	
4105-0451A-HO	2/19/2009	Thorium-232	2.10	3.50	0.53	0.18		
4105-0451A-HO	2/19/2009	Uranium-238	2.20	4.20	0.83	0.37		
4105-0452A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.39	U	
4105-0452A-HO	2/23/2009	Americium-241	63.00	189.00	0.00	0.10	U	
4105-0452A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U	
4105-0452A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.07	U	
4105-0452A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.09	U	
4105-0452A-HO	2/23/2009	Lead-210	7.40	19.80	0.18	0.93	U	
4105-0452A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.00	9.20	U	
4105-0452A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	2.30	U	
4105-0452A-HO	2/23/2009	Radium-226	2.90	4.70	0.74	0.16		
4105-0452A-HO	2/23/2009	Thorium-230	2.80	4.60	1.72	8.71	U	
4105-0452A-HO	2/23/2009	Thorium-232	2.10	3.50	0.80	0.29		
4105-0452A-HO	2/23/2009	Uranium-238	2.20	4.20	0.69	0.58		
4105-0453A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.40	U	
4105-0453A-HO	2/23/2009	Americium-241	63.00	189.00	0.00	0.09	U	
4105-0453A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U	
4105-0453A-HO	2/23/2009	Cesium-137	3.80	10.62	0.04	0.04		
4105-0453A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0453A-HO	2/23/2009	Lead-210	7.40	19.80	0.27	0.82	U	
4105-0453A-HO	2/23/2009	Plutonium-238	55.00	165.13	2.67	7.92	U	
4105-0453A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	1.92	U	
4105-0453A-HO	2/23/2009	Radium-226	2.90	4.70	0.59	0.16		
4105-0453A-HO	2/23/2009	Thorium-230	2.80	4.60	0.77	8.05	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0453A-HO	2/23/2009	Thorium-232	2.10	3.50	0.55	0.29		
4105-0453A-HO	2/23/2009	Uranium-238	2.20	4.20	0.93	0.51		
4105-0454A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.40	U	
4105-0454A-HO	2/23/2009	Americium-241	63.00	189.00	0.01	0.09	U	
4105-0454A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U	
4105-0454A-HO	2/23/2009	Cesium-137	3.80	10.62	0.01	0.06	U	
4105-0454A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.04	0.07	U	
4105-0454A-HO	2/23/2009	Lead-210	7.40	19.80	0.59	0.82	U	
4105-0454A-HO	2/23/2009	Plutonium-238	55.00	165.13	2.35	8.64	U	
4105-0454A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	2.09	U	
4105-0454A-HO	2/23/2009	Radium-226	2.90	4.70	0.71	0.16		
4105-0454A-HO	2/23/2009	Thorium-230	2.80	4.60	1.64	8.44	U	
4105-0454A-HO	2/23/2009	Thorium-232	2.10	3.50	0.63	0.25		
4105-0454A-HO	2/23/2009	Uranium-238	2.20	4.20	0.78	0.53		
4105-0455A-HO	2/23/2009	Actinium-227	4.60	13.61	0.01	0.36	U	
4105-0455A-HO	2/23/2009	Americium-241	63.00	189.00	0.01	0.09	U	
4105-0455A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U	
4105-0455A-HO	2/23/2009	Cesium-137	3.80	10.62	0.02	0.06	U	
4105-0455A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0455A-HO	2/23/2009	Lead-210	7.40	19.80	0.60	0.76	U	
4105-0455A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.00	8.31	U	
4105-0455A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	2.09	U	
4105-0455A-HO	2/23/2009	Radium-226	2.90	4.70	0.67	0.14		
4105-0455A-HO	2/23/2009	Thorium-230	2.80	4.60	0.12	8.18	U	
4105-0455A-HO	2/23/2009	Thorium-232	2.10	3.50	0.81	0.22		
4105-0455A-HO	2/23/2009	Uranium-238	2.20	4.20	1.30	0.49		
4105-0456A-HO	2/19/2009	Actinium-227	4.60	13.61	0.00	0.42	U	
4105-0456A-HO	2/19/2009	Americium-241	63.00	189.00	0.00	0.10	U	
4105-0456A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U	
4105-0456A-HO	2/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0456A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.05	0.07	U	
4105-0456A-HO	2/19/2009	Lead-210	7.40	19.80	0.82	0.90	U	
4105-0456A-HO	2/19/2009	Plutonium-238	55.00	165.13	0.00	8.72	U	
4105-0456A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.00	2.44	U	
4105-0456A-HO	2/19/2009	Radium-226	2.90	4.70	0.77	0.13		
4105-0456A-HO	2/19/2009	Thorium-230	2.80	4.60	4.66	8.54	U	
4105-0456A-HO	2/19/2009	Thorium-232	2.10	3.50	1.00	0.23		
4105-0456A-HO	2/19/2009	Uranium-238	2.20	4.20	1.08	0.55		
4105-0457A-HO	2/19/2009	Actinium-227	4.60	13.61	0.00	0.37	U	
4105-0457A-HO	2/19/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0457A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0457A-HO	2/19/2009	Cesium-137	3.80	10.62	0.00	0.05	U	
4105-0457A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0457A-HO	2/19/2009	Lead-210	7.40	19.80	0.83	0.79		
4105-0457A-HO	2/19/2009	Plutonium-238	55.00	165.13	0.00	7.81	U	
4105-0457A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.35	1.80	U	
4105-0457A-HO	2/19/2009	Radium-226	2.90	4.70	0.88	0.13		
4105-0457A-HO	2/19/2009	Thorium-230	2.80	4.60	1.21	7.69	U	
4105-0457A-HO	2/19/2009	Thorium-232	2.10	3.50	0.75	0.21		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0457A-HO	2/19/2009	Uranium-238	2.20	4.20	1.16	0.50		
4105-0458A-HO	2/19/2009	Actinium-227	4.60	13.61	0.22	0.29	U	
4105-0458A-HO	2/19/2009	Americium-241	63.00	189.00	0.01	0.07	U	
4105-0458A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.03	0.05	U	
4105-0458A-HO	2/19/2009	Cesium-137	3.80	10.62	0.03	0.04	U	
4105-0458A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.00	0.07	U	
4105-0458A-HO	2/19/2009	Lead-210	7.40	19.80	0.33	0.70	U	
4105-0458A-HO	2/19/2009	Plutonium-238	55.00	165.13	1.76	5.92	U	
4105-0458A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.82	1.50	U	
4105-0458A-HO	2/19/2009	Radium-226	2.90	4.70	0.72	0.12		
4105-0458A-HO	2/19/2009	Thorium-230	2.80	4.60	1.24	6.66	U	
4105-0458A-HO	2/19/2009	Thorium-232	2.10	3.50	0.71	0.20		
4105-0458A-HO	2/19/2009	Uranium-238	2.20	4.20	0.82	0.45		
4105-0459A-HO	2/19/2009	Actinium-227	4.60	13.61	0.00	0.41	U	
4105-0459A-HO	2/19/2009	Americium-241	63.00	189.00	0.00	0.09	U	
4105-0459A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U	
4105-0459A-HO	2/19/2009	Cesium-137	3.80	10.62	0.01	0.05	U	
4105-0459A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.03	0.07	U	
4105-0459A-HO	2/19/2009	Lead-210	7.40	19.80	1.07	0.88		
4105-0459A-HO	2/19/2009	Plutonium-238	55.00	165.13	0.23	8.40	U	
4105-0459A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.00	2.23	U	
4105-0459A-HO	2/19/2009	Radium-226	2.90	4.70	0.74	0.17		
4105-0459A-HO	2/19/2009	Thorium-230	2.80	4.60	3.15	8.65	U	
4105-0459A-HO	2/19/2009	Thorium-232	2.10	3.50	0.86	0.27		
4105-0459A-HO	2/19/2009	Uranium-238	2.20	4.20	1.15	0.51		
4105-0460A-HO	2/23/2009	Actinium-227	4.60	13.61	0.02	0.37	U	
4105-0460A-HO	2/23/2009	Americium-241	63.00	189.00	0.03	0.09	U	
4105-0460A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0460A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0460A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.03	0.07	U	
4105-0460A-HO	2/23/2009	Lead-210	7.40	19.80	0.89	0.76		
4105-0460A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.00	8.37	U	
4105-0460A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	2.07	U	
4105-0460A-HO	2/23/2009	Radium-226	2.90	4.70	0.79	0.13		
4105-0460A-HO	2/23/2009	Thorium-230	2.80	4.60	4.43	7.84	U	
4105-0460A-HO	2/23/2009	Thorium-232	2.10	3.50	0.28	0.32	U	
4105-0460A-HO	2/23/2009	Uranium-238	2.20	4.20	0.78	0.53		
4105-0461A-HO	2/23/2009	Actinium-227	4.60	13.61	0.02	0.32	U	
4105-0461A-HO	2/23/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0461A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U	
4105-0461A-HO	2/23/2009	Cesium-137	3.80	10.62	0.01	0.05	U	
4105-0461A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.03	0.05	U	
4105-0461A-HO	2/23/2009	Lead-210	7.40	19.80	0.41	0.68	U	
4105-0461A-HO	2/23/2009	Plutonium-238	55.00	165.13	2.58	6.81	U	
4105-0461A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	1.79	U	
4105-0461A-HO	2/23/2009	Radium-226	2.90	4.70	0.86	0.12		
4105-0461A-HO	2/23/2009	Thorium-230	2.80	4.60	0.00	7.35	U	
4105-0461A-HO	2/23/2009	Thorium-232	2.10	3.50	0.79	0.17		
4105-0461A-HO	2/23/2009	Uranium-238	2.20	4.20	0.84	0.43		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0462A-HO	2/23/2009	Actinium-227	4.60	13.61	0.00	0.40	U	
4105-0462A-HO	2/23/2009	Americium-241	63.00	189.00	0.03	0.09	U	
4105-0462A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U	
4105-0462A-HO	2/23/2009	Cesium-137	3.80	10.62	0.01	0.06	U	
4105-0462A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.00	0.10	U	
4105-0462A-HO	2/23/2009	Lead-210	7.40	19.80	0.24	0.90	U	
4105-0462A-HO	2/23/2009	Plutonium-238	55.00	165.13	3.55	8.01	U	
4105-0462A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.00	2.40	U	
4105-0462A-HO	2/23/2009	Radium-226	2.90	4.70	0.80	0.15		
4105-0462A-HO	2/23/2009	Thorium-230	2.80	4.60	1.29	8.50	U	
4105-0462A-HO	2/23/2009	Thorium-232	2.10	3.50	0.61	0.30		
4105-0462A-HO	2/23/2009	Uranium-238	2.20	4.20	1.15	0.51		
4105-0463A-HO	2/23/2009	Actinium-227	4.60	13.61	0.22	0.26	U	
4105-0463A-HO	2/23/2009	Americium-241	63.00	189.00	0.00	0.07	U	
4105-0463A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0463A-HO	2/23/2009	Cesium-137	3.80	10.62	0.00	0.04	U	
4105-0463A-HO	2/23/2009	Cobalt-60	0.70	2.10	0.03	0.05	U	
4105-0463A-HO	2/23/2009	Lead-210	7.40	19.80	0.68	0.61		
4105-0463A-HO	2/23/2009	Plutonium-238	55.00	165.13	0.60	6.31	U	
4105-0463A-HO	2/23/2009	Protactinium-231	4.00	11.81	0.25	1.46	U	
4105-0463A-HO	2/23/2009	Radium-226	2.90	4.70	0.81	0.11		
4105-0463A-HO	2/23/2009	Thorium-230	2.80	4.60	0.00	6.62	U	
4105-0463A-HO	2/23/2009	Thorium-232	2.10	3.50	0.38	0.20		
4105-0463A-HO	2/23/2009	Uranium-238	2.20	4.20	0.77	0.39		
4105-0464A-HO	2/19/2009	Actinium-227	4.60	13.61	0.00	0.37	U	
4105-0464A-HO	2/19/2009	Americium-241	63.00	189.00	0.00	0.09	U	
4105-0464A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U	
4105-0464A-HO	2/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0464A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.00	0.10	U	
4105-0464A-HO	2/19/2009	Lead-210	7.40	19.80	0.92	0.78		
4105-0464A-HO	2/19/2009	Plutonium-238	55.00	165.13	0.00	8.82	U	
4105-0464A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.00	2.16	U	
4105-0464A-HO	2/19/2009	Radium-226	2.90	4.70	0.78	0.13		
4105-0464A-HO	2/19/2009	Thorium-230	2.80	4.60	2.37	8.26	U	
4105-0464A-HO	2/19/2009	Thorium-232	2.10	3.50	0.47	0.28		
4105-0464A-HO	2/19/2009	Uranium-238	2.20	4.20	0.72	0.53		
4105-0465A-HO	2/19/2009	Actinium-227	4.60	13.61	0.00	0.37	U	
4105-0465A-HO	2/19/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0465A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U	
4105-0465A-HO	2/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U	
4105-0465A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.00	0.08	U	
4105-0465A-HO	2/19/2009	Lead-210	7.40	19.80	0.36	0.84	U	
4105-0465A-HO	2/19/2009	Plutonium-238	55.00	165.13	0.96	7.57	U	
4105-0465A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.00	2.08	U	
4105-0465A-HO	2/19/2009	Radium-226	2.90	4.70	0.67	0.13		
4105-0465A-HO	2/19/2009	Thorium-230	2.80	4.60	3.36	7.45	U	
4105-0465A-HO	2/19/2009	Thorium-232	2.10	3.50	0.62	0.25		
4105-0465A-HO	2/19/2009	Uranium-238	2.20	4.20	1.04	0.49		
4105-0466A-HO	2/19/2009	Actinium-227	4.60	13.61	0.01	0.35	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	MDA pCi/g	Flag	Greater than CO?
4105-0466A-HO	2/19/2009	Americium-241	63.00	189.00	0.00	0.08	U	
4105-0466A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.06	0.05		
4105-0466A-HO	2/19/2009	Cesium-137	3.80	10.62	0.01	0.05	U	
4105-0466A-HO	2/19/2009	Cobalt-60	0.70	2.10	0.01	0.07	U	
4105-0466A-HO	2/19/2009	Lead-210	7.40	19.80	0.78	0.74		
4105-0466A-HO	2/19/2009	Plutonium-238	55.00	165.13	0.23	7.56	U	
4105-0466A-HO	2/19/2009	Protactinium-231	4.00	11.81	0.00	2.12	U	
4105-0466A-HO	2/19/2009	Radium-226	2.90	4.70	0.68	0.13		
4105-0466A-HO	2/19/2009	Thorium-230	2.80	4.60	3.25	7.35	U	
4105-0466A-HO	2/19/2009	Thorium-232	2.10	3.50	0.59	0.24		
4105-0466A-HO	2/19/2009	Uranium-238	2.20	4.20	0.88	0.46		
CO	Cleanup Objective							
HS	Hot Spot Criteria							
MDA	Minimum Detectable Activity							
A-HO	Hot Spot Original							
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit							

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0366A-HO	2/24/2009	Actinium 227	4.60	13.61	-0.17	U	0.58	
4105-0366A-HO	2/24/2009	Actinium 228	1.93	5.80	0.52		0.23	
4105-0366A-HO	2/24/2009	Americium 241	63.00	189.00	0.00	U	0.18	
4105-0366A-HO	2/24/2009	Bismuth-207	1.20	3.60	-0.02	U	0.07	
4105-0366A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.00	U	0.12	
4105-0366A-HO	2/24/2009	Cesium 137	3.80	10.62	0.00	U	0.08	
4105-0366A-HO	2/24/2009	Cobalt 60	0.70	2.10	-0.02	U	0.10	
4105-0366A-HO	2/24/2009	Lead 210	7.40	19.80	0.80	U	2.30	
4105-0366A-HO	2/24/2009	Lead 212	16.60	49.80	0.48		0.14	
4105-0366A-HO	2/24/2009	Lead 214	8.92	26.80	0.93		0.13	
4105-0366A-HO	2/24/2009	Plutonium 238	55.00	165.13	0.01	J	0.01	
4105-0366A-HO	2/24/2009	Plutonium 239/40	62.00	181.00	0.00	U	0.02	
4105-0366A-HO	2/24/2009	Protactinium 231	4.00	11.81	0.01	U	2.00	
4105-0366A-HO	2/24/2009	Radium (226)	2.90	4.70	0.82		0.16	
4105-0366A-HO	2/24/2009	Thorium 228	2.60	4.80	0.46		0.09	
4105-0366A-HO	2/24/2009	Thorium 229	5.06	15.20	0.05	U	1.20	
4105-0366A-HO	2/24/2009	Thorium 230	2.80	4.60	1.08		0.07	
4105-0366A-HO	2/24/2009	Thorium 232	2.10	3.50	0.53		0.06	
4105-0366A-HO	2/24/2009	Uranium 233/234	2.00	14.50	0.56		0.05	
4105-0366A-HO	2/24/2009	Uranium 235	3.10	9.29	0.08	U	0.40	
4105-0366A-HO	2/24/2009	Uranium 235	3.10	9.29	0.03	J	0.03	
4105-0366A-HO	2/24/2009	Uranium 238	2.2	4.2	0.80	U	1.60	
4105-0366A-HO	2/24/2009	Uranium 238	2.2	4.2	0.63		0.02	
4105-0372A-HO	2/24/2009	Actinium 227	4.60	13.61	-0.35	U	0.49	
4105-0372A-HO	2/24/2009	Actinium 228	1.93	5.80	0.26		0.20	
4105-0372A-HO	2/24/2009	Americium 241	63.00	189.00	0.03	U	0.12	
4105-0372A-HO	2/24/2009	Bismuth-207	1.20	3.60	0.01	U	0.05	
4105-0372A-HO	2/24/2009	Bismuth-210M	8.30	24.90	-0.01	U	0.08	
4105-0372A-HO	2/24/2009	Cesium 137	3.80	10.62	0.00	U	0.05	
4105-0372A-HO	2/24/2009	Cobalt 60	0.70	2.10	-0.01	U	0.06	
4105-0372A-HO	2/24/2009	Lead 210	7.40	19.80	0.77	U	1.40	
4105-0372A-HO	2/24/2009	Lead 212	16.60	49.80	0.20		0.10	
4105-0372A-HO	2/24/2009	Lead 214	8.92	26.80	0.50		0.10	
4105-0372A-HO	2/24/2009	Plutonium 238	55.00	165.13	0.01	J	0.01	
4105-0372A-HO	2/24/2009	Plutonium 239/40	62.00	181.00	0.00	U	0.02	
4105-0372A-HO	2/24/2009	Protactinium 231	4.00	11.81	-0.01	U	1.20	
4105-0372A-HO	2/24/2009	Radium (226)	2.90	4.70	0.50		0.13	
4105-0372A-HO	2/24/2009	Thorium 228	2.60	4.80	0.20	J	0.05	
4105-0372A-HO	2/24/2009	Thorium 229	5.06	15.20	0.16	U	0.66	
4105-0372A-HO	2/24/2009	Thorium 230	2.80	4.60	0.62		0.06	
4105-0372A-HO	2/24/2009	Thorium 232	2.10	3.50	0.19	J	0.04	
4105-0372A-HO	2/24/2009	Uranium 233/234	2.00	14.50	0.52		0.07	
4105-0372A-HO	2/24/2009	Uranium 235	3.10	9.29	0.07	J	0.05	
4105-0372A-HO	2/24/2009	Uranium 235	3.10	9.29	0.01	U	0.30	
4105-0372A-HO	2/24/2009	Uranium 238	2.2	4.2	0.52	U	1.20	
4105-0372A-HO	2/24/2009	Uranium 238	2.2	4.2	0.51		0.06	

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0388A-HO	2/17/2009	Actinium 227	4.60	13.61	-0.03	U	0.42	
4105-0388A-HO	2/17/2009	Actinium 228	1.93	5.80	0.38		0.23	
4105-0388A-HO	2/17/2009	Americium 241	63.00	189.00	0.02	U	0.12	
4105-0388A-HO	2/17/2009	Bismuth-207	1.20	3.60	0.00	U	0.07	
4105-0388A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.01	U	0.07	
4105-0388A-HO	2/17/2009	Cesium 137	3.80	10.62	0.00	U	0.12	
4105-0388A-HO	2/17/2009	Cobalt 60	0.70	2.10	0.00	U	0.05	
4105-0388A-HO	2/17/2009	Lead 210	7.40	19.80	-0.30	U	1.90	
4105-0388A-HO	2/17/2009	Lead 212	16.60	49.80	0.23		0.11	
4105-0388A-HO	2/17/2009	Lead 214	8.92	26.80	0.52		0.10	
4105-0388A-HO	2/17/2009	Plutonium 238	55.00	165.13	1.28		0.04	
4105-0388A-HO	2/17/2009	Plutonium 239/40	62.00	181.00	0.02	U	0.03	
4105-0388A-HO	2/17/2009	Protactinium 231	4.00	11.81	0.20	U	1.40	
4105-0388A-HO	2/17/2009	Radium (226)	2.90	4.70	0.55		0.10	
4105-0388A-HO	2/17/2009	Thorium 228	2.60	4.80	0.39		0.07	
4105-0388A-HO	2/17/2009	Thorium 229	5.06	15.20	-0.02	U	0.76	
4105-0388A-HO	2/17/2009	Thorium 230	2.80	4.60	0.59		0.05	
4105-0388A-HO	2/17/2009	Thorium 232	2.10	3.50	0.40		0.04	
4105-0388A-HO	2/17/2009	Uranium 233/234	2.00	14.50	0.34		0.04	
4105-0388A-HO	2/17/2009	Uranium 235	3.10	9.29	0.02	U	0.05	
4105-0388A-HO	2/17/2009	Uranium 235	3.10	9.29	-0.02	U	0.36	
4105-0388A-HO	2/17/2009	Uranium 238	2.2	4.2	0.82	U	1.30	
4105-0388A-HO	2/17/2009	Uranium 238	2.2	4.2	0.42		0.05	
4105-0390A-HO	2/24/2009	Actinium 227	4.60	13.61	0.02	U	0.27	
4105-0390A-HO	2/24/2009	Actinium 228	1.93	5.80	0.48		0.12	
4105-0390A-HO	2/24/2009	Americium 241	63.00	189.00	0.05	U	0.13	
4105-0390A-HO	2/24/2009	Bismuth-207	1.20	3.60	0.01	U	0.06	
4105-0390A-HO	2/24/2009	Bismuth-210M	8.30	24.90	0.01	U	0.07	
4105-0390A-HO	2/24/2009	Cesium 137	3.80	10.62	0.02	U	0.06	
4105-0390A-HO	2/24/2009	Cobalt 60	0.70	2.10	0.02	U	0.07	
4105-0390A-HO	2/24/2009	Lead 210	7.40	19.80	0.30	U	1.90	
4105-0390A-HO	2/24/2009	Lead 212	16.60	49.80	0.21		0.10	
4105-0390A-HO	2/24/2009	Lead 214	8.92	26.80	0.49		0.13	
4105-0390A-HO	2/24/2009	Plutonium 238	55.00	165.13	0.40		0.03	
4105-0390A-HO	2/24/2009	Plutonium 239/40	62.00	181.00	0.02	U	0.05	
4105-0390A-HO	2/24/2009	Protactinium 231	4.00	11.81	0.28	U	0.92	
4105-0390A-HO	2/24/2009	Radium (226)	2.90	4.70	0.45		0.13	
4105-0390A-HO	2/24/2009	Thorium 228	2.60	4.80	0.46		0.07	
4105-0390A-HO	2/24/2009	Thorium 229	5.06	15.20	-0.13	U	0.70	
4105-0390A-HO	2/24/2009	Thorium 230	2.80	4.60	0.72		0.05	
4105-0390A-HO	2/24/2009	Thorium 232	2.10	3.50	0.27		0.04	
4105-0390A-HO	2/24/2009	Uranium 233/234	2.00	14.50	0.37		0.06	
4105-0390A-HO	2/24/2009	Uranium 235	3.10	9.29	0.09	U	0.31	
4105-0390A-HO	2/24/2009	Uranium 235	3.10	9.29	0.01	U	0.05	
4105-0390A-HO	2/24/2009	Uranium 238	2.2	4.2	0.38		0.05	
4105-0390A-HO	2/24/2009	Uranium 238	2.2	4.2	-0.03	U	1.50	

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0404A-HO	2/17/2009	Actinium 227	4.60	13.61	-0.06	U	0.40	
4105-0404A-HO	2/17/2009	Actinium 228	1.93	5.80	0.13	U	0.24	
4105-0404A-HO	2/17/2009	Americium 241	63.00	189.00	0.03	U	0.10	
4105-0404A-HO	2/17/2009	Bismuth-207	1.20	3.60	-0.01	U	0.06	
4105-0404A-HO	2/17/2009	Bismuth-210M	8.30	24.90	0.00	U	0.06	
4105-0404A-HO	2/17/2009	Cesium 137	3.80	10.62	0.00	U	0.07	
4105-0404A-HO	2/17/2009	Cobalt 60	0.70	2.10	0.00	U	0.11	
4105-0404A-HO	2/17/2009	Lead 210	7.40	19.80	2.00	J	1.70	
4105-0404A-HO	2/17/2009	Lead 212	16.60	49.80	0.21		0.08	
4105-0404A-HO	2/17/2009	Lead 214	8.92	26.80	0.45		0.08	
4105-0404A-HO	2/17/2009	Plutonium 238	55.00	165.13	0.09		0.05	
4105-0404A-HO	2/17/2009	Plutonium 239/40	62.00	181.00	0.01	U	0.06	
4105-0404A-HO	2/17/2009	Protactinium 231	4.00	11.81	-0.16	U	1.10	
4105-0404A-HO	2/17/2009	Radium (226)	2.90	4.70	0.44		0.04	
4105-0404A-HO	2/17/2009	Thorium 228	2.60	4.80	0.27		0.07	
4105-0404A-HO	2/17/2009	Thorium 229	5.06	15.20	0.24	U	0.51	
4105-0404A-HO	2/17/2009	Thorium 230	2.80	4.60	0.42		0.05	
4105-0404A-HO	2/17/2009	Thorium 232	2.10	3.50	0.24		0.05	
4105-0404A-HO	2/17/2009	Uranium 233/234	2.00	14.50	0.41		0.07	
4105-0404A-HO	2/17/2009	Uranium 235	3.10	9.29	0.07	U	0.23	
4105-0404A-HO	2/17/2009	Uranium 235	3.10	9.29	0.02	U	0.06	
4105-0404A-HO	2/17/2009	Uranium 238	2.2	4.2	0.46		0.05	
4105-0404A-HO	2/17/2009	Uranium 238	2.2	4.2	0.16	U	1.20	
4105-0418A-HO	2/17/2009	Actinium 227	4.60	13.61	-0.18	U	0.64	
4105-0418A-HO	2/17/2009	Actinium 228	1.93	5.80	0.16	U	0.37	
4105-0418A-HO	2/17/2009	Americium 241	63.00	189.00	-0.01	U	0.16	
4105-0418A-HO	2/17/2009	Bismuth-207	1.20	3.60	0.00	U	0.07	
4105-0418A-HO	2/17/2009	Bismuth-210M	8.30	24.90	-0.01	U	0.09	
4105-0418A-HO	2/17/2009	Cesium 137	3.80	10.62	0.03	U	0.08	
4105-0418A-HO	2/17/2009	Cobalt 60	0.70	2.10	0.00	U	0.10	
4105-0418A-HO	2/17/2009	Lead 210	7.40	19.80	0.50	U	2.10	
4105-0418A-HO	2/17/2009	Lead 212	16.60	49.80	0.26		0.12	
4105-0418A-HO	2/17/2009	Lead 214	8.92	26.80	0.47		0.12	
4105-0418A-HO	2/17/2009	Plutonium 238	55.00	165.13	0.15		0.07	
4105-0418A-HO	2/17/2009	Plutonium 239/40	62.00	181.00	0.00	U	0.05	
4105-0418A-HO	2/17/2009	Protactinium 231	4.00	11.81	0.13	U	1.70	
4105-0418A-HO	2/17/2009	Radium (226)	2.90	4.70	0.53		0.10	
4105-0418A-HO	2/17/2009	Thorium 228	2.60	4.80	0.35		0.05	
4105-0418A-HO	2/17/2009	Thorium 229	5.06	15.20	-0.13	U	0.96	
4105-0418A-HO	2/17/2009	Thorium 230	2.80	4.60	0.66		0.04	
4105-0418A-HO	2/17/2009	Thorium 232	2.10	3.50	0.40		0.04	
4105-0418A-HO	2/17/2009	Uranium 233/234	2.00	14.50	0.59		0.06	
4105-0418A-HO	2/17/2009	Uranium 235	3.10	9.29	0.08	U	0.32	
4105-0418A-HO	2/17/2009	Uranium 235	3.10	9.29	0.02	U	0.05	
4105-0418A-HO	2/17/2009	Uranium 238	2.2	4.2	0.48		0.05	
4105-0418A-HO	2/17/2009	Uranium 238	2.2	4.2	0.08	U	1.60	

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0431A-HO	2/18/2009	Actinium 227	4.60	13.61	-0.08	U	0.60	
4105-0431A-HO	2/18/2009	Actinium 228	1.93	5.80	1.34		0.25	
4105-0431A-HO	2/18/2009	Americium 241	63.00	189.00	-0.03	U	0.30	
4105-0431A-HO	2/18/2009	Bismuth-207	1.20	3.60	-0.02	U	0.13	
4105-0431A-HO	2/18/2009	Bismuth-210M	8.30	24.90	-0.02	U	0.14	
4105-0431A-HO	2/18/2009	Cesium 137	3.80	10.62	-0.03	U	0.20	
4105-0431A-HO	2/18/2009	Cobalt 60	0.70	2.10	0.00	U	0.16	
4105-0431A-HO	2/18/2009	Lead 210	7.40	19.80	0.30	U	3.10	
4105-0431A-HO	2/18/2009	Lead 212	16.60	49.80	1.09		0.17	
4105-0431A-HO	2/18/2009	Lead 214	8.92	26.80	0.97		0.21	
4105-0431A-HO	2/18/2009	Plutonium 238	55.00	165.13	0.01	J	0.01	
4105-0431A-HO	2/18/2009	Plutonium 239/40	62.00	181.00	0.00	U	0.01	
4105-0431A-HO	2/18/2009	Protactinium 231	4.00	11.81	-0.30	U	3.00	
4105-0431A-HO	2/18/2009	Radium (226)	2.90	4.70	0.89		0.22	
4105-0431A-HO	2/18/2009	Thorium 228	2.60	4.80	1.11		0.05	
4105-0431A-HO	2/18/2009	Thorium 229	5.06	15.20	0.50	U	1.70	
4105-0431A-HO	2/18/2009	Thorium 230	2.80	4.60	1.25		0.06	
4105-0431A-HO	2/18/2009	Thorium 232	2.10	3.50	0.96		0.04	
4105-0431A-HO	2/18/2009	Uranium 233/234	2.00	14.50	0.70		0.04	
4105-0431A-HO	2/18/2009	Uranium 235	3.10	9.29	0.04	U	0.05	
4105-0431A-HO	2/18/2009	Uranium 235	3.10	9.29	0.04	U	0.54	
4105-0431A-HO	2/18/2009	Uranium 238	2.2	4.2	0.78		0.04	
4105-0431A-HO	2/18/2009	Uranium 238	2.2	4.2	-0.10	U	2.60	
4105-0448A-HO	2/19/2009	Actinium 227	4.60	13.61	-0.14	U	0.51	
4105-0448A-HO	2/19/2009	Actinium 228	1.93	5.80	1.08		0.41	
4105-0448A-HO	2/19/2009	Americium 241	63.00	189.00	0.01	U	0.32	
4105-0448A-HO	2/19/2009	Bismuth-207	1.20	3.60	0.00	U	0.11	
4105-0448A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.00	U	0.13	
4105-0448A-HO	2/19/2009	Cesium 137	3.80	10.62	0.03	U	0.13	
4105-0448A-HO	2/19/2009	Cobalt 60	0.70	2.10	-0.02	U	0.16	
4105-0448A-HO	2/19/2009	Lead 210	7.40	19.80	0.20	U	3.60	
4105-0448A-HO	2/19/2009	Lead 212	16.60	49.80	1.39		0.20	
4105-0448A-HO	2/19/2009	Lead 214	8.92	26.80	1.26		0.21	
4105-0448A-HO	2/19/2009	Plutonium 238	55.00	165.13	4.11		0.06	
4105-0448A-HO	2/19/2009	Plutonium 239/40	62.00	181.00	0.02	U	0.05	
4105-0448A-HO	2/19/2009	Protactinium 231	4.00	11.81	-0.90	U	3.40	
4105-0448A-HO	2/19/2009	Radium (226)	2.90	4.70	1.19		0.20	
4105-0448A-HO	2/19/2009	Thorium 228	2.60	4.80	1.00		0.07	
4105-0448A-HO	2/19/2009	Thorium 229	5.06	15.20	0.01	U	1.60	
4105-0448A-HO	2/19/2009	Thorium 230	2.80	4.60	1.14		0.05	
4105-0448A-HO	2/19/2009	Thorium 232	2.10	3.50	0.98		0.05	
4105-0448A-HO	2/19/2009	Uranium 233/234	2.00	14.50	0.78		0.04	
4105-0448A-HO	2/19/2009	Uranium 235	3.10	9.29	0.16	U	0.69	
4105-0448A-HO	2/19/2009	Uranium 235	3.10	9.29	0.02	U	0.03	
4105-0448A-HO	2/19/2009	Uranium 238	2.2	4.2	1.89	U	2.70	
4105-0448A-HO	2/19/2009	Uranium 238	2.2	4.2	0.85		0.02	

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0452A-HO	2/23/2009	Actinium 227	4.60	13.61	-0.15	U	0.65	
4105-0452A-HO	2/23/2009	Actinium 228	1.93	5.80	1.22		0.25	
4105-0452A-HO	2/23/2009	Americium 241	63.00	189.00	0.09	U	0.26	
4105-0452A-HO	2/23/2009	Bismuth-207	1.20	3.60	-0.03	U	0.11	
4105-0452A-HO	2/23/2009	Bismuth-210M	8.30	24.90	-0.04	U	0.15	
4105-0452A-HO	2/23/2009	Cesium 137	3.80	10.62	0.00	U	0.12	
4105-0452A-HO	2/23/2009	Cobalt 60	0.70	2.10	0.00	U	0.29	
4105-0452A-HO	2/23/2009	Lead 210	7.40	19.80	1.20	U	3.00	
4105-0452A-HO	2/23/2009	Lead 212	16.60	49.80	1.15		0.17	
4105-0452A-HO	2/23/2009	Lead 214	8.92	26.80	0.94		0.15	
4105-0452A-HO	2/23/2009	Plutonium 238	55.00	165.13	0.01	J	0.01	
4105-0452A-HO	2/23/2009	Plutonium 239/40	62.00	181.00	0.00	U	0.02	
4105-0452A-HO	2/23/2009	Protactinium 231	4.00	11.81	0.88	U	1.50	
4105-0452A-HO	2/23/2009	Radium (226)	2.90	4.70	0.95		0.21	
4105-0452A-HO	2/23/2009	Thorium 228	2.60	4.80	1.22		0.07	
4105-0452A-HO	2/23/2009	Thorium 229	5.06	15.20	0.34	U	1.40	
4105-0452A-HO	2/23/2009	Thorium 230	2.80	4.60	1.04		0.05	
4105-0452A-HO	2/23/2009	Thorium 232	2.10	3.50	1.40		0.05	
4105-0452A-HO	2/23/2009	Uranium 233/234	2.00	14.50	0.99		0.05	
4105-0452A-HO	2/23/2009	Uranium 235	3.10	9.29	0.08	U	0.41	
4105-0452A-HO	2/23/2009	Uranium 235	3.10	9.29	0.04	U	0.05	
4105-0452A-HO	2/23/2009	Uranium 238	2.2	4.2	0.92		0.04	
4105-0452A-HO	2/23/2009	Uranium 238	2.2	4.2	-0.70	U	3.00	
4105-0454A-HO	2/23/2009	Actinium 227	4.60	13.61	-0.20	U	2.50	
4105-0454A-HO	2/23/2009	Actinium 228	1.93	5.80	0.85		0.52	
4105-0454A-HO	2/23/2009	Americium 241	63.00	189.00	0.11	U	0.30	
4105-0454A-HO	2/23/2009	Bismuth-207	1.20	3.60	0.02	U	0.10	
4105-0454A-HO	2/23/2009	Bismuth-210M	8.30	24.90	0.00	U	0.18	
4105-0454A-HO	2/23/2009	Cesium 137	3.80	10.62	-0.03	U	0.16	
4105-0454A-HO	2/23/2009	Cobalt 60	0.70	2.10	0.00	U	0.16	
4105-0454A-HO	2/23/2009	Lead 210	7.40	19.80	1.60	U	3.40	
4105-0454A-HO	2/23/2009	Lead 212	16.60	49.80	1.45		0.19	
4105-0454A-HO	2/23/2009	Lead 214	8.92	26.80	1.31		0.16	
4105-0454A-HO	2/23/2009	Plutonium 238	55.00	165.13	0.01	J	0.01	
4105-0454A-HO	2/23/2009	Plutonium 239/40	62.00	181.00	0.00	U	0.01	
4105-0454A-HO	2/23/2009	Protactinium 231	4.00	11.81	0.00	U	3.90	
4105-0454A-HO	2/23/2009	Radium (226)	2.90	4.70	0.93		0.19	
4105-0454A-HO	2/23/2009	Thorium 228	2.60	4.80	1.36		0.05	
4105-0454A-HO	2/23/2009	Thorium 229	5.06	15.20	0.43	U	1.70	
4105-0454A-HO	2/23/2009	Thorium 230	2.80	4.60	0.89		0.04	
4105-0454A-HO	2/23/2009	Thorium 232	2.10	3.50	1.02		0.04	
4105-0454A-HO	2/23/2009	Uranium 233/234	2.00	14.50	0.79		0.06	
4105-0454A-HO	2/23/2009	Uranium 235	3.10	9.29	0.09	J	0.05	
4105-0454A-HO	2/23/2009	Uranium 235	3.10	9.29	-0.01	U	0.75	
4105-0454A-HO	2/23/2009	Uranium 238	2.2	4.2	0.79		0.05	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0466A-HO	2/19/2009	Actinium 227	4.60	13.61	-0.09	U	0.70	
4105-0466A-HO	2/19/2009	Actinium 228	1.93	5.80	0.59		0.48	
4105-0466A-HO	2/19/2009	Americium 241	63.00	189.00	0.02	U	0.25	
4105-0466A-HO	2/19/2009	Bismuth-207	1.20	3.60	0.00	U	0.11	
4105-0466A-HO	2/19/2009	Bismuth-210M	8.30	24.90	0.00	U	0.13	
4105-0466A-HO	2/19/2009	Cesium 137	3.80	10.62	-0.06	U	0.15	
4105-0466A-HO	2/19/2009	Cobalt 60	0.70	2.10	-0.03	U	0.21	
4105-0466A-HO	2/19/2009	Lead 210	7.40	19.80	0.80	U	2.90	
4105-0466A-HO	2/19/2009	Lead 212	16.60	49.80	1.02		0.14	
4105-0466A-HO	2/19/2009	Lead 214	8.92	26.80	0.94		0.21	
4105-0466A-HO	2/19/2009	Plutonium 238	55.00	165.13	0.00	U	0.01	
4105-0466A-HO	2/19/2009	Plutonium 239/40	62.00	181.00	0.00	U	0.01	
4105-0466A-HO	2/19/2009	Protactinium 231	4.00	11.81	0.50	U	2.80	
4105-0466A-HO	2/19/2009	Radium (226)	2.90	4.70	0.79		0.24	
4105-0466A-HO	2/19/2009	Thorium 228	2.60	4.80	0.96		0.08	
4105-0466A-HO	2/19/2009	Thorium 229	5.06	15.20	-0.10	U	1.30	
4105-0466A-HO	2/19/2009	Thorium 230	2.80	4.60	0.80		0.08	
4105-0466A-HO	2/19/2009	Thorium 232	2.10	3.50	0.96		0.05	
4105-0466A-HO	2/19/2009	Uranium 233/234	2.00	14.50	0.81		0.06	
4105-0466A-HO	2/19/2009	Uranium 235	3.10	9.29	0.13	U	0.47	
4105-0466A-HO	2/19/2009	Uranium 235	3.10	9.29	0.07	J	0.05	
4105-0466A-HO	2/19/2009	Uranium 238	2.2	4.2	1.30	U	2.50	
4105-0466A-HO	2/19/2009	Uranium 238	2.2	4.2	0.77		0.04	

CO	Cleanup Objective
HS	Hot Spot Criteria
A-FO	MARSSIM location - original
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit
J	The associated numerical value is an estimated quantity

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0854A-FO	4/22/2009	Actinium 227	4.60	13.61	-0.26	U	0.53	
4105-0854A-FO	4/22/2009	Actinium 228	1.93	5.80	0.11	U	0.22	
4105-0854A-FO	4/22/2009	Americium 241	63.00	189.00	0.062	U	0.12	
4105-0854A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.006	U	0.047	
4105-0854A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0	U	0.098	
4105-0854A-FO	4/22/2009	Cesium 137	3.80	10.62	0.008	U	0.074	
4105-0854A-FO	4/22/2009	Cobalt 60	0.70	2.10	0	U	0.033	
4105-0854A-FO	4/22/2009	Lead 210	7.40	19.80	2.3	J	2.2	
4105-0854A-FO	4/22/2009	Lead 212	16.60	49.80	0.293		0.092	
4105-0854A-FO	4/22/2009	Lead 214	8.92	26.80	0.42		0.12	
4105-0854A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.372		0.028	
4105-0854A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.02	U	0.023	
4105-0854A-FO	4/22/2009	Protactinium 231	4.00	11.81	0.36	U	1.1	
4105-0854A-FO	4/22/2009	Radium 226	2.90	4.70	0.45		0.13	
4105-0854A-FO	4/22/2009	Thorium 228	2.60	4.80	0.33		0.08	
4105-0854A-FO	4/22/2009	Thorium 229	5.06	15.20	0.02	U	0.77	
4105-0854A-FO	4/22/2009	Thorium 230	2.80	4.60	0.52		0.06	
4105-0854A-FO	4/22/2009	Thorium 232	2.10	3.50	0.28		0.041	
4105-0854A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.438		0.028	
4105-0854A-FO	4/22/2009	Uranium 235	3.10	9.29	0.036	J	0.021	
4105-0854A-FO	4/22/2009	Uranium 238	2.2	4.2	0.366		0.024	
4105-0855A-FO	4/22/2009	Actinium 227	4.60	13.61	0.03	U	1.3	
4105-0855A-FO	4/22/2009	Actinium 228	1.93	5.80	0.83		0.15	
4105-0855A-FO	4/22/2009	Americium 241	63.00	189.00	-0.02	U	0.22	
4105-0855A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.003	U	0.075	
4105-0855A-FO	4/22/2009	Bismuth-210M	8.30	24.90	-0.0008	U	0.11	
4105-0855A-FO	4/22/2009	Cesium 137	3.80	10.62	0.0002	U	0.096	
4105-0855A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.009	U	0.1	
4105-0855A-FO	4/22/2009	Lead 210	7.40	19.80	0.6	U	3	
4105-0855A-FO	4/22/2009	Lead 212	16.60	49.80	0.69		0.14	
4105-0855A-FO	4/22/2009	Lead 214	8.92	26.80	0.47		0.21	
4105-0855A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.189		0.028	
4105-0855A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.008	U	0.024	
4105-0855A-FO	4/22/2009	Protactinium 231	4.00	11.81	0.6	U	2.1	
4105-0855A-FO	4/22/2009	Radium 226	2.90	4.70	0.69		0.16	
4105-0855A-FO	4/22/2009	Thorium 228	2.60	4.80	0.87		0.04	
4105-0855A-FO	4/22/2009	Thorium 229	5.06	15.20	-0.03	U	1.2	
4105-0855A-FO	4/22/2009	Thorium 230	2.80	4.60	1.03		0.04	
4105-0855A-FO	4/22/2009	Thorium 232	2.10	3.50	1.02		0.02	
4105-0855A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.531		0.033	
4105-0855A-FO	4/22/2009	Uranium 235	3.10	9.29	0.032	J	0.026	
4105-0855A-FO	4/22/2009	Uranium 238	2.2	4.2	0.67		0.03	
4105-0856A-FO	4/22/2009	Actinium 227	4.60	13.61	0.02	U	1.5	
4105-0856A-FO	4/22/2009	Actinium 228	1.93	5.80	0.62		0.39	
4105-0856A-FO	4/22/2009	Americium 241	63.00	189.00	0.04	U	0.22	
4105-0856A-FO	4/22/2009	Bismuth-207	1.20	3.60	-0.007	U	0.084	
4105-0856A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0	U	0.13	
4105-0856A-FO	4/22/2009	Cesium 137	3.80	10.62	0.014	U	0.098	
4105-0856A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.0001	U	0.14	
4105-0856A-FO	4/22/2009	Lead 210	7.40	19.80	-0.06	U	2.2	
4105-0856A-FO	4/22/2009	Lead 212	16.60	49.80	0.66		0.17	
4105-0856A-FO	4/22/2009	Lead 214	8.92	26.80	0.42		0.19	
4105-0856A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.44		0.032	
4105-0856A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	-0.0042	U	0.028	
4105-0856A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.5	U	2.6	
4105-0856A-FO	4/22/2009	Radium 226	2.90	4.70	0.45		0.21	
4105-0856A-FO	4/22/2009	Thorium 228	2.60	4.80	0.95		0.06	
4105-0856A-FO	4/22/2009	Thorium 229	5.06	15.20	0	U	1.3	
4105-0856A-FO	4/22/2009	Thorium 230	2.80	4.60	0.81		0.06	
4105-0856A-FO	4/22/2009	Thorium 232	2.10	3.50	0.99		0.04	
4105-0856A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.75		0.03	
4105-0856A-FO	4/22/2009	Uranium 235	3.10	9.29	0.036	J	0.03	
4105-0856A-FO	4/22/2009	Uranium 238	2.2	4.2	0.72		0.04	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0857A-FO	4/22/2009	Actinium 227	4.60	13.61	-0.47	U	0.83	
4105-0857A-FO	4/22/2009	Actinium 228	1.93	5.80	0.75		0.16	
4105-0857A-FO	4/22/2009	Americium 241	63.00	189.00	0.01	U	0.23	
4105-0857A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.014	U	0.076	
4105-0857A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.013	U	0.12	
4105-0857A-FO	4/22/2009	Cesium 137	3.80	10.62	0.149	J	0.042	
4105-0857A-FO	4/22/2009	Cobalt 60	0.70	2.10	0	U	0.042	
4105-0857A-FO	4/22/2009	Lead 210	7.40	19.80	0.6	U	2.7	
4105-0857A-FO	4/22/2009	Lead 212	16.60	49.80	0.79		0.15	
4105-0857A-FO	4/22/2009	Lead 214	8.92	26.80	0.83		0.19	
4105-0857A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.406		0.025	
4105-0857A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.011		0.01	
4105-0857A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.6	U	2.8	
4105-0857A-FO	4/22/2009	Radium 226	2.90	4.70	0.86		0.19	
4105-0857A-FO	4/22/2009	Thorium 228	2.60	4.80	0.76		0.03	
4105-0857A-FO	4/22/2009	Thorium 229	5.06	15.20	0.27	U	1.4	
4105-0857A-FO	4/22/2009	Thorium 230	2.80	4.60	1.25		0.04	
4105-0857A-FO	4/22/2009	Thorium 232	2.10	3.50	0.78		0.05	
4105-0857A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.72		0.03	
4105-0857A-FO	4/22/2009	Uranium 235	3.10	9.29	0.034	J	0.012	
4105-0857A-FO	4/22/2009	Uranium 238	2.2	4.2	0.7		0.02	
4105-0858A-FO	4/22/2009	Actinium 227	4.60	13.61	-0.46	U	0.93	
4105-0858A-FO	4/22/2009	Actinium 228	1.93	5.80	0.44	U	0.62	
4105-0858A-FO	4/22/2009	Americium 241	63.00	189.00	0.06	U	0.22	
4105-0858A-FO	4/22/2009	Bismuth-207	1.20	3.60	-0.014	U	0.11	
4105-0858A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.032	U	0.12	
4105-0858A-FO	4/22/2009	Cesium 137	3.80	10.62	0.041	U	0.11	
4105-0858A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.011	U	0.16	
4105-0858A-FO	4/22/2009	Lead 210	7.40	19.80	2.2	U	2.8	
4105-0858A-FO	4/22/2009	Lead 212	16.60	49.80	0.72		0.13	
4105-0858A-FO	4/22/2009	Lead 214	8.92	26.80	0.68		0.22	
4105-0858A-FO	4/22/2009	Plutonium 238	55.00	165.13	1.57		0.03	
4105-0858A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.02	U	0.029	
4105-0858A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.8	U	2.7	
4105-0858A-FO	4/22/2009	Radium 226	2.90	4.70	0.71		0.21	
4105-0858A-FO	4/22/2009	Thorium 228	2.60	4.80	0.84		0.07	
4105-0858A-FO	4/22/2009	Thorium 229	5.06	15.20	0.19	U	1.1	
4105-0858A-FO	4/22/2009	Thorium 230	2.80	4.60	1.03		0.08	
4105-0858A-FO	4/22/2009	Thorium 232	2.10	3.50	0.81		0.05	
4105-0858A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.65		0.03	
4105-0858A-FO	4/22/2009	Uranium 235	3.10	9.29	0.047	J	0.026	
4105-0858A-FO	4/22/2009	Uranium 238	2.2	4.2	0.66		0.01	
4105-0859A-FO	4/22/2009	Actinium 227	4.60	13.61	-0.1	U	0.43	
4105-0859A-FO	4/22/2009	Actinium 228	1.93	5.80	0.3		0.18	
4105-0859A-FO	4/22/2009	Americium 241	63.00	189.00	0.005	U	0.14	
4105-0859A-FO	4/22/2009	Bismuth-207	1.20	3.60	-0.002	U	0.058	
4105-0859A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0	U	0.073	
4105-0859A-FO	4/22/2009	Cesium 137	3.80	10.62	0.012	U	0.063	
4105-0859A-FO	4/22/2009	Cobalt 60	0.70	2.10	0	U	0.11	
4105-0859A-FO	4/22/2009	Lead 210	7.40	19.80	0.2	U	1.7	
4105-0859A-FO	4/22/2009	Lead 212	16.60	49.80	0.22		0.12	
4105-0859A-FO	4/22/2009	Lead 214	8.92	26.80	0.61		0.12	
4105-0859A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.246		0.023	
4105-0859A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0	U	0.025	
4105-0859A-FO	4/22/2009	Protactinium 231	4.00	11.81	0.43	U	1.5	
4105-0859A-FO	4/22/2009	Radium 226	2.90	4.70	0.63		0.05	
4105-0859A-FO	4/22/2009	Thorium 228	2.60	4.80	0.44		0.09	
4105-0859A-FO	4/22/2009	Thorium 229	5.06	15.20	-0.18	U	0.89	
4105-0859A-FO	4/22/2009	Thorium 230	2.80	4.60	0.74		0.09	
4105-0859A-FO	4/22/2009	Thorium 232	2.10	3.50	0.44		0.07	
4105-0859A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.44		0.021	
4105-0859A-FO	4/22/2009	Uranium 235	3.10	9.29	0.029	J	0.023	
4105-0859A-FO	4/22/2009	Uranium 238	2.2	4.2	0.54		0.02	

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0860A-FO	4/22/2009	Actinium 227	4.60	13.61	0.005	U	0.41	
4105-0860A-FO	4/22/2009	Actinium 228	1.93	5.80	0.27		0.14	
4105-0860A-FO	4/22/2009	Americium 241	63.00	189.00	0.001	U	0.18	
4105-0860A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.0003	U	0.053	
4105-0860A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.008	U	0.1	
4105-0860A-FO	4/22/2009	Cesium 137	3.80	10.62	0.018	U	0.053	
4105-0860A-FO	4/22/2009	Cobalt 60	0.70	2.10	0.002	U	0.064	
4105-0860A-FO	4/22/2009	Lead 210	7.40	19.80	1	U	2	
4105-0860A-FO	4/22/2009	Lead 212	16.60	49.80	0.137		0.09	
4105-0860A-FO	4/22/2009	Lead 214	8.92	26.80	0.22		0.13	
4105-0860A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.368		0.043	
4105-0860A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.009	U	0.029	
4105-0860A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.005	U	1.6	
4105-0860A-FO	4/22/2009	Radium 226	2.90	4.70	0.32		0.12	
4105-0860A-FO	4/22/2009	Thorium 228	2.60	4.80	0.187		0.038	
4105-0860A-FO	4/22/2009	Thorium 229	5.06	15.20	0.46	U	0.88	
4105-0860A-FO	4/22/2009	Thorium 230	2.80	4.60	0.51		0.05	
4105-0860A-FO	4/22/2009	Thorium 232	2.10	3.50	0.171		0.042	
4105-0860A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.357		0.032	
4105-0860A-FO	4/22/2009	Uranium 235	3.10	9.29	0.014	U	0.03	
4105-0860A-FO	4/22/2009	Uranium 238	2.2	4.2	0.38		0.031	
4105-0861A-FO	4/22/2009	Actinium 227	4.60	13.61	-0.06	U	0.35	
4105-0861A-FO	4/22/2009	Actinium 228	1.93	5.80	0.22		0.16	
4105-0861A-FO	4/22/2009	Americium 241	63.00	189.00	0.001	U	0.13	
4105-0861A-FO	4/22/2009	Bismuth-207	1.20	3.60	0	U	0.079	
4105-0861A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0.009	U	0.094	
4105-0861A-FO	4/22/2009	Cesium 137	3.80	10.62	-0.008	U	0.063	
4105-0861A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.0004	U	0.09	
4105-0861A-FO	4/22/2009	Lead 210	7.40	19.80	0.93	U	1.5	
4105-0861A-FO	4/22/2009	Lead 212	16.60	49.80	0.247		0.1	
4105-0861A-FO	4/22/2009	Lead 214	8.92	26.80	0.55		0.1	
4105-0861A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.58		0.02	
4105-0861A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.007	U	0.017	
4105-0861A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.01	U	1.3	
4105-0861A-FO	4/22/2009	Radium 226	2.90	4.70	0.51		0.13	
4105-0861A-FO	4/22/2009	Thorium 228	2.60	4.80	0.35		0.04	
4105-0861A-FO	4/22/2009	Thorium 229	5.06	15.20	0.28	U	0.6	
4105-0861A-FO	4/22/2009	Thorium 230	2.80	4.60	0.52		0.06	
4105-0861A-FO	4/22/2009	Thorium 232	2.10	3.50	0.301		0.048	
4105-0861A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.445		0.031	
4105-0861A-FO	4/22/2009	Uranium 235	3.10	9.29	0.027	J	0.025	
4105-0861A-FO	4/22/2009	Uranium 238	2.2	4.2	0.408		0.016	
4105-0862A-FO	4/22/2009	Actinium 227	4.60	13.61	-0.06	U	0.34	
4105-0862A-FO	4/22/2009	Actinium 228	1.93	5.80	0.1	U	0.3	
4105-0862A-FO	4/22/2009	Americium 241	63.00	189.00	-0.03	U	0.12	
4105-0862A-FO	4/22/2009	Bismuth-207	1.20	3.60	-0.003	U	0.062	
4105-0862A-FO	4/22/2009	Bismuth-210M	8.30	24.90	0	U	0.078	
4105-0862A-FO	4/22/2009	Cesium 137	3.80	10.62	-0.007	U	0.099	
4105-0862A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.008	U	0.11	
4105-0862A-FO	4/22/2009	Lead 210	7.40	19.80	1.45	U	1.5	
4105-0862A-FO	4/22/2009	Lead 212	16.60	49.80	0.26		0.08	
4105-0862A-FO	4/22/2009	Lead 214	8.92	26.80	0.396		0.063	
4105-0862A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.61		0.03	
4105-0862A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.003	U	0.029	
4105-0862A-FO	4/22/2009	Protactinium 231	4.00	11.81	0.09	U	1.4	
4105-0862A-FO	4/22/2009	Radium 226	2.90	4.70	0.41		0.12	
4105-0862A-FO	4/22/2009	Thorium 228	2.60	4.80	0.304		0.054	
4105-0862A-FO	4/22/2009	Thorium 229	5.06	15.20	0.37	U	0.7	
4105-0862A-FO	4/22/2009	Thorium 230	2.80	4.60	0.46		0.02	
4105-0862A-FO	4/22/2009	Thorium 232	2.10	3.50	0.242		0.027	
4105-0862A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.32		0.031	
4105-0862A-FO	4/22/2009	Uranium 235	3.10	9.29	0.012	U	0.03	
4105-0862A-FO	4/22/2009	Uranium 238	2.2	4.2	0.387		0.022	

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0863A-FO	4/22/2009	Actinium 227	4.60	13.61	-0.05	U	0.26	
4105-0863A-FO	4/22/2009	Actinium 228	1.93	5.80	0.11	U	0.15	
4105-0863A-FO	4/22/2009	Americium 241	63.00	189.00	0	U	0.072	
4105-0863A-FO	4/22/2009	Bismuth-207	1.20	3.60	0	U	0.043	
4105-0863A-FO	4/22/2009	Bismuth-210M	8.30	24.90	-0.0003	U	0.049	
4105-0863A-FO	4/22/2009	Cesium 137	3.80	10.62	0.008	U	0.054	
4105-0863A-FO	4/22/2009	Cobalt 60	0.70	2.10	0	U	0.094	
4105-0863A-FO	4/22/2009	Lead 210	7.40	19.80	-0.4	U	1.2	
4105-0863A-FO	4/22/2009	Lead 212	16.60	49.80	0.112		0.055	
4105-0863A-FO	4/22/2009	Lead 214	8.92	26.80	0.402		0.063	
4105-0863A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.412		0.042	
4105-0863A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.0011	U	0.027	
4105-0863A-FO	4/22/2009	Protactinium 231	4.00	11.81	0.01	U	1	
4105-0863A-FO	4/22/2009	Radium 226	2.90	4.70	0.346		0.058	
4105-0863A-FO	4/22/2009	Thorium 228	2.60	4.80	0.107		0.05	
4105-0863A-FO	4/22/2009	Thorium 229	5.06	15.20	0.1	U	0.47	
4105-0863A-FO	4/22/2009	Thorium 230	2.80	4.60	0.271		0.043	
4105-0863A-FO	4/22/2009	Thorium 232	2.10	3.50	0.134		0.038	
4105-0863A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.189		0.017	
4105-0863A-FO	4/22/2009	Uranium 235	3.10	9.29	0.013	U	0.022	
4105-0863A-FO	4/22/2009	Uranium 238	2.2	4.2	0.218		0.02	
4105-0864A-FO	4/22/2009	Actinium 227	4.60	13.61	0.05	U	2	
4105-0864A-FO	4/22/2009	Actinium 228	1.93	5.80	1.51		0.28	
4105-0864A-FO	4/22/2009	Americium 241	63.00	189.00	0	U	0.31	
4105-0864A-FO	4/22/2009	Bismuth-207	1.20	3.60	0.0003	U	0.11	
4105-0864A-FO	4/22/2009	Bismuth-210M	8.30	24.90	-0.023	U	0.14	
4105-0864A-FO	4/22/2009	Cesium 137	3.80	10.62	-0.015	U	0.13	
4105-0864A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.003	U	0.14	
4105-0864A-FO	4/22/2009	Lead 210	7.40	19.80	1	U	3	
4105-0864A-FO	4/22/2009	Lead 212	16.60	49.80	1.02		0.21	
4105-0864A-FO	4/22/2009	Lead 214	8.92	26.80	0.78		0.21	
4105-0864A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.031		0.022	
4105-0864A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	-0.0017	U	0.019	
4105-0864A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.6	U	3	
4105-0864A-FO	4/22/2009	Radium 226	2.90	4.70	0.9		0.16	
4105-0864A-FO	4/22/2009	Thorium 228	2.60	4.80	1.05		0.05	
4105-0864A-FO	4/22/2009	Thorium 229	5.06	15.20	-0.06	U	1.5	
4105-0864A-FO	4/22/2009	Thorium 230	2.80	4.60	0.88		0.05	
4105-0864A-FO	4/22/2009	Thorium 232	2.10	3.50	1.18		0.03	
4105-0864A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.79		0.03	
4105-0864A-FO	4/22/2009	Uranium 235	3.10	9.29	0.03	J	0.028	
4105-0864A-FO	4/22/2009	Uranium 238	2.2	4.2	0.82		0.02	

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	FLAGS	MDA	Greater than CO
4105-0865A-FO	4/22/2009	Actinium 227	4.60	13.61	0.02	U	0.43	
4105-0865A-FO	4/22/2009	Actinium 228	1.93	5.80	0.99		0.21	
4105-0865A-FO	4/22/2009	Americium 241	63.00	189.00	0.11	U	0.21	
4105-0865A-FO	4/22/2009	Bismuth-207	1.20	3.60	-0.023	U	0.1	
4105-0865A-FO	4/22/2009	Bismuth-210M	8.30	24.90	-0.021	U	0.11	
4105-0865A-FO	4/22/2009	Cesium 137	3.80	10.62	0.015	U	0.11	
4105-0865A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.006	U	0.15	
4105-0865A-FO	4/22/2009	Lead 210	7.40	19.80	1.2	U	2.6	
4105-0865A-FO	4/22/2009	Lead 212	16.60	49.80	0.88		0.13	
4105-0865A-FO	4/22/2009	Lead 214	8.92	26.80	0.77		0.14	
4105-0865A-FO	4/22/2009	Plutonium 238	55.00	165.13	4.88		0.03	
4105-0865A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.048		0.016	
4105-0865A-FO	4/22/2009	Protactinium 231	4.00	11.81	-0.3	U	2.7	
4105-0865A-FO	4/22/2009	Radium 226	2.90	4.70	0.93		0.1	
4105-0865A-FO	4/22/2009	Thorium 228	2.60	4.80	1.21		0.04	
4105-0865A-FO	4/22/2009	Thorium 229	5.06	15.20	0.34	U	1.1	
4105-0865A-FO	4/22/2009	Thorium 230	2.80	4.60	1.32		0.04	
4105-0865A-FO	4/22/2009	Thorium 232	2.10	3.50	1.11		0.03	
4105-0865A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.72		0.03	
4105-0865A-FO	4/22/2009	Uranium 235	3.10	9.29	0.026	J	0.025	
4105-0865A-FO	4/22/2009	Uranium 238	2.2	4.2	1.01		0.02	
4105-0866A-FO	4/22/2009	Actinium 227	4.60	13.61	-1.07	U	1.1	
4105-0866A-FO	4/22/2009	Actinium 228	1.93	5.80	1.49		0.23	
4105-0866A-FO	4/22/2009	Americium 241	63.00	189.00	-0.01	U	0.21	
4105-0866A-FO	4/22/2009	Bismuth-207	1.20	3.60	0	U	0.094	
4105-0866A-FO	4/22/2009	Bismuth-210M	8.30	24.90	-0.001	U	0.11	
4105-0866A-FO	4/22/2009	Cesium 137	3.80	10.62	-0.002	U	0.1	
4105-0866A-FO	4/22/2009	Cobalt 60	0.70	2.10	-0.007	U	0.11	
4105-0866A-FO	4/22/2009	Lead 210	7.40	19.80	2.4	U	2.9	
4105-0866A-FO	4/22/2009	Lead 212	16.60	49.80	1.17		0.13	
4105-0866A-FO	4/22/2009	Lead 214	8.92	26.80	1.07		0.16	
4105-0866A-FO	4/22/2009	Plutonium 238	55.00	165.13	0.104		0.023	
4105-0866A-FO	4/22/2009	Plutonium 239/40	62.00	181.00	0.005	U	0.019	
4105-0866A-FO	4/22/2009	Protactinium 231	4.00	11.81	0.06	U	2.1	
4105-0866A-FO	4/22/2009	Radium 226	2.90	4.70	0.94		0.2	
4105-0866A-FO	4/22/2009	Thorium 228	2.60	4.80	1.35		0.05	
4105-0866A-FO	4/22/2009	Thorium 229	5.06	15.20	0.04	U	1	
4105-0866A-FO	4/22/2009	Thorium 230	2.80	4.60	0.95		0.04	
4105-0866A-FO	4/22/2009	Thorium 232	2.10	3.50	1.25		0.04	
4105-0866A-FO	4/22/2009	Uranium 233/234	2.00	14.50	0.76		0.03	
4105-0866A-FO	4/22/2009	Uranium 235	3.10	9.29	0.037	J	0.012	
4105-0866A-FO	4/22/2009	Uranium 238	2.2	4.2	0.74		0.03	

CO	Cleanup Objective
HS	Hot Spot Criteria
A-FO	MARSSIM location - original
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limi
J	The associated numerical value is an estimated quantity

3006XXXXXX-100426001

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0727A-HO	5/13/2009	Actinium-227	4.60	13.61	0.26	0.34	U		
4108-0727A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0727A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0727A-HO	5/13/2009	Cesium-137	3.80	10.62	0.02	0.06	U		
4108-0727A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0727A-HO	5/13/2009	Lead-210	7.40	19.80	0.28	0.84	U		
4108-0727A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.00	8.66	U		
4108-0727A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.37	1.88	U		
4108-0727A-HO	5/13/2009	Radium-226	2.90	4.70	0.58	0.16			
4108-0727A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	8.35	U		
4108-0727A-HO	5/13/2009	Thorium-232	2.10	3.50	0.92	0.18			
4108-0727A-HO	5/13/2009	Uranium-238	2.20	4.20	0.55	0.55			
4108-0728A-HO	5/13/2009	Actinium-227	4.60	13.61	0.14	0.28	U		
4108-0728A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0728A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0728A-HO	5/13/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0728A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0728A-HO	5/13/2009	Lead-210	7.40	19.80	0.72	0.61			
4108-0728A-HO	5/13/2009	Plutonium-238	55.00	165.13	1.65	7.10	U		
4108-0728A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.00	1.68	U		
4108-0728A-HO	5/13/2009	Radium-226	2.90	4.70	0.67	0.11			
4108-0728A-HO	5/13/2009	Thorium-230	2.80	4.60	3.41	6.21	U		
4108-0728A-HO	5/13/2009	Thorium-232	2.10	3.50	0.33	0.21			
4108-0728A-HO	5/13/2009	Uranium-238	2.20	4.20	0.48	0.44			
4108-0729A-HO	5/13/2009	Actinium-227	4.60	13.61	0.06	0.26	U		
4108-0729A-HO	5/13/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4108-0729A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4108-0729A-HO	5/13/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0729A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0729A-HO	5/13/2009	Lead-210	7.40	19.80	0.73	0.61			
4108-0729A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.00	6.41	U		
4108-0729A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.00	1.68	U		
4108-0729A-HO	5/13/2009	Radium-226	2.90	4.70	0.54	0.12			
4108-0729A-HO	5/13/2009	Thorium-230	2.80	4.60	2.69	5.57	U		
4108-0729A-HO	5/13/2009	Thorium-232	2.10	3.50	0.32	0.16			
4108-0729A-HO	5/13/2009	Uranium-238	2.20	4.20	0.61	0.37			
4108-0730A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.23	U		
4108-0730A-HO	5/13/2009	Americium-241	63.00	189.00	0.02	0.05	U		
4108-0730A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0730A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0730A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.02	0.03	U		
4108-0730A-HO	5/13/2009	Lead-210	7.40	19.80	0.21	0.55	U		
4108-0730A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.13	5.48	U		
4108-0730A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.00	1.38	U		
4108-0730A-HO	5/13/2009	Radium-226	2.90	4.70	0.46	0.12			
4108-0730A-HO	5/13/2009	Thorium-230	2.80	4.60	2.34	4.99	U		
4108-0730A-HO	5/13/2009	Thorium-232	2.10	3.50	0.22	0.13			
4108-0730A-HO	5/13/2009	Uranium-238	2.20	4.20	0.41	0.35			
4108-0731A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.25	U		
4108-0731A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4108-0731A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.03	0.04	U		
4108-0731A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0731A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4108-0731A-HO	5/13/2009	Lead-210	7.40	19.80	0.37	0.50	U		
4108-0731A-HO	5/13/2009	Plutonium-238	55.00	165.13	2.81	5.05	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0731A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.70	1.21	U		
4108-0731A-HO	5/13/2009	Radium-226	2.90	4.70	0.49	0.10			
4108-0731A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	5.12	U		
4108-0731A-HO	5/13/2009	Thorium-232	2.10	3.50	0.21	0.17			
4108-0731A-HO	5/13/2009	Uranium-238	2.20	4.20	0.39	0.34			
4108-0732A-HO	5/13/2009	Actinium-227	4.60	13.61	0.06	0.27	U		
4108-0732A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0732A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0732A-HO	5/13/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0732A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4108-0732A-HO	5/13/2009	Lead-210	7.40	19.80	0.13	0.63	U		
4108-0732A-HO	5/13/2009	Plutonium-238	55.00	165.13	4.88	6.36	U		
4108-0732A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.38	1.42	U		
4108-0732A-HO	5/13/2009	Radium-226	2.90	4.70	0.64	0.10			
4108-0732A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	6.38	U		
4108-0732A-HO	5/13/2009	Thorium-232	2.10	3.50	0.59	0.17			
4108-0732A-HO	5/13/2009	Uranium-238	2.20	4.20	0.53	0.38			
4108-0733A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.35	U		
4108-0733A-HO	5/13/2009	Americium-241	63.00	189.00	0.03	0.08	U		
4108-0733A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0733A-HO	5/13/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4108-0733A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.01	0.07	U		
4108-0733A-HO	5/13/2009	Lead-210	7.40	19.80	0.82	0.74			
4108-0733A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.00	7.42	U		
4108-0733A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.08	1.83	U		
4108-0733A-HO	5/13/2009	Radium-226	2.90	4.70	0.65	0.13			
4108-0733A-HO	5/13/2009	Thorium-230	2.80	4.60	1.00	7.49	U		
4108-0733A-HO	5/13/2009	Thorium-232	2.10	3.50	0.78	0.19			
4108-0733A-HO	5/13/2009	Uranium-238	2.20	4.20	0.87	0.46			
4108-0734A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.34	U		
4108-0734A-HO	5/13/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4108-0734A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.04	0.05	U		
4108-0734A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4108-0734A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.01	0.07	U		
4108-0734A-HO	5/13/2009	Lead-210	7.40	19.80	1.05	0.74			
4108-0734A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.00	7.43	U		
4108-0734A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.98	1.53	U		
4108-0734A-HO	5/13/2009	Radium-226	2.90	4.70	1.11	0.13			
4108-0734A-HO	5/13/2009	Thorium-230	2.80	4.60	0.09	7.60	U		
4108-0734A-HO	5/13/2009	Thorium-232	2.10	3.50	0.73	0.18			
4108-0734A-HO	5/13/2009	Uranium-238	2.20	4.20	0.68	0.48			
4108-0735A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.31	U		
4108-0735A-HO	5/13/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4108-0735A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0735A-HO	5/13/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4108-0735A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4108-0735A-HO	5/13/2009	Lead-210	7.40	19.80	0.43	0.70	U		
4108-0735A-HO	5/13/2009	Plutonium-238	55.00	165.13	2.05	6.29	U		
4108-0735A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.00	1.62	U		
4108-0735A-HO	5/13/2009	Radium-226	2.90	4.70	0.62	0.13			
4108-0735A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	6.69	U		
4108-0735A-HO	5/13/2009	Thorium-232	2.10	3.50	0.41	0.21			
4108-0735A-HO	5/13/2009	Uranium-238	2.20	4.20	0.72	0.39			
4108-0736A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.25	U		
4108-0736A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.06	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0736A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4108-0736A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0736A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0736A-HO	5/13/2009	Lead-210	7.40	19.80	0.47	0.56	U		
4108-0736A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.74	5.73	U		
4108-0736A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.00	1.34	U		
4108-0736A-HO	5/13/2009	Radium-226	2.90	4.70	0.61	0.10			
4108-0736A-HO	5/13/2009	Thorium-230	2.80	4.60	1.57	5.36	U		
4108-0736A-HO	5/13/2009	Thorium-232	2.10	3.50	0.32	0.08			
4108-0736A-HO	5/13/2009	Uranium-238	2.20	4.20	0.33	0.37	U		
4108-0737A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.25	U		
4108-0737A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4108-0737A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0737A-HO	5/13/2009	Cesium-137	3.80	10.62	0.02	0.03	U		
4108-0737A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0737A-HO	5/13/2009	Lead-210	7.40	19.80	0.39	0.55	U		
4108-0737A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.00	5.62	U		
4108-0737A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.01	1.42	U		
4108-0737A-HO	5/13/2009	Radium-226	2.90	4.70	0.47	0.10			
4108-0737A-HO	5/13/2009	Thorium-230	2.80	4.60	4.76	5.30	U		
4108-0737A-HO	5/13/2009	Thorium-232	2.10	3.50	0.21	0.19			
4108-0737A-HO	5/13/2009	Uranium-238	2.20	4.20	0.52	0.33			
4108-0738A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.23	U		
4108-0738A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4108-0738A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4108-0738A-HO	5/13/2009	Cesium-137	3.80	10.62	0.01	0.03	U		
4108-0738A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4108-0738A-HO	5/13/2009	Lead-210	7.40	19.80	0.62	0.49			
4108-0738A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.22	5.55	U		
4108-0738A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.11	1.30	U		
4108-0738A-HO	5/13/2009	Radium-226	2.90	4.70	0.40	0.12			
4108-0738A-HO	5/13/2009	Thorium-230	2.80	4.60	2.07	4.80	U		
4108-0738A-HO	5/13/2009	Thorium-232	2.10	3.50	0.28	0.15			
4108-0738A-HO	5/13/2009	Uranium-238	2.20	4.20	0.28	0.33	U		
4108-0739A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.25	U		
4108-0739A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4108-0739A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4108-0739A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.03	U		
4108-0739A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4108-0739A-HO	5/13/2009	Lead-210	7.40	19.80	0.59	0.56			
4108-0739A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.00	6.49	U		
4108-0739A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.00	1.56	U		
4108-0739A-HO	5/13/2009	Radium-226	2.90	4.70	0.54	0.10			
4108-0739A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	5.86	U		
4108-0739A-HO	5/13/2009	Thorium-232	2.10	3.50	0.22	0.15			
4108-0739A-HO	5/13/2009	Uranium-238	2.20	4.20	0.41	0.36			
4108-0740A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.24	U		
4108-0740A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4108-0740A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4108-0740A-HO	5/13/2009	Cesium-137	3.80	10.62	0.03	0.02			
4108-0740A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4108-0740A-HO	5/13/2009	Lead-210	7.40	19.80	0.02	0.60	U		
4108-0740A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.00	6.06	U		
4108-0740A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.14	1.28	U		
4108-0740A-HO	5/13/2009	Radium-226	2.90	4.70	0.34	0.10			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0740A-HO	5/13/2009	Thorium-230	2.80	4.60	1.43	4.85	U		
4108-0740A-HO	5/13/2009	Thorium-232	2.10	3.50	0.27	0.15			
4108-0740A-HO	5/13/2009	Uranium-238	2.20	4.20	0.45	0.30			
4108-0741A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.21	U		
4108-0741A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.05	U		
4108-0741A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0741A-HO	5/13/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0741A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4108-0741A-HO	5/13/2009	Lead-210	7.40	19.80	0.19	0.47	U		
4108-0741A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.00	5.21	U		
4108-0741A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.54	1.07	U		
4108-0741A-HO	5/13/2009	Radium-226	2.90	4.70	0.57	0.07			
4108-0741A-HO	5/13/2009	Thorium-230	2.80	4.60	2.16	4.48	U		
4108-0741A-HO	5/13/2009	Thorium-232	2.10	3.50	0.14	0.15	U		
4108-0741A-HO	5/13/2009	Uranium-238	2.20	4.20	0.32	0.31			
4108-0742A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.37	U		
4108-0742A-HO	5/13/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4108-0742A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0742A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0742A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0742A-HO	5/13/2009	Lead-210	7.40	19.80	0.43	0.73	U		
4108-0742A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.00	7.85	U		
4108-0742A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.29	1.70	U		
4108-0742A-HO	5/13/2009	Radium-226	2.90	4.70	0.72	0.11			
4108-0742A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	7.65	U		
4108-0742A-HO	5/13/2009	Thorium-232	2.10	3.50	0.79	0.21			
4108-0742A-HO	5/13/2009	Uranium-238	2.20	4.20	1.11	0.44			
4108-0743A-HO	5/18/2009	Actinium-227	4.60	13.61	0.13	0.28	U		
4108-0743A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0743A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.01	0.04	U		
4108-0743A-HO	5/18/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0743A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4108-0743A-HO	5/18/2009	Lead-210	7.40	19.80	1.38	0.54			
4108-0743A-HO	5/18/2009	Plutonium-238	55.00	165.13	3.00	6.11	U		
4108-0743A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.14	1.53	U		
4108-0743A-HO	5/18/2009	Radium-226	2.90	4.70	0.63	0.11			
4108-0743A-HO	5/18/2009	Thorium-230	2.80	4.60	0.00	6.50	U		
4108-0743A-HO	5/18/2009	Thorium-232	2.10	3.50	0.51	0.10			
4108-0743A-HO	5/18/2009	Uranium-238	2.20	4.20	0.61	0.41			
4108-0744A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.19	U		
4108-0744A-HO	5/18/2009	Americium-241	63.00	189.00	0.01	0.05	U		
4108-0744A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.02	0.03	U		
4108-0744A-HO	5/18/2009	Cesium-137	3.80	10.62	0.02	0.03	U		
4108-0744A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.04	U		
4108-0744A-HO	5/18/2009	Lead-210	7.40	19.80	0.34	0.41	U		
4108-0744A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.14	4.47	U		
4108-0744A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.36	1.01	U		
4108-0744A-HO	5/18/2009	Radium-226	2.90	4.70	0.25	0.09			
4108-0744A-HO	5/18/2009	Thorium-230	2.80	4.60	1.29	4.13	U		
4108-0744A-HO	5/18/2009	Thorium-232	2.10	3.50	0.01	0.18	U		
4108-0744A-HO	5/18/2009	Uranium-238	2.20	4.20	0.42	0.27			
4108-0745A-HD	5/18/2009	Actinium-227	4.60	13.61	0.00	0.28	U		
4108-0745A-HD	5/18/2009	Americium-241	63.00	189.00	0.02	0.06	U		
4108-0745A-HD	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0745A-HD	5/18/2009	Cesium-137	3.80	10.62	0.02	0.03	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0745A-HD	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0745A-HD	5/18/2009	Lead-210	7.40	19.80	0.76	0.60			
4108-0745A-HD	5/18/2009	Plutonium-238	55.00	165.13	0.00	6.16	U		
4108-0745A-HD	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.50	U		
4108-0745A-HD	5/18/2009	Radium-226	2.90	4.70	0.62	0.08			
4108-0745A-HD	5/18/2009	Thorium-230	2.80	4.60	0.00	5.96	U		
4108-0745A-HD	5/18/2009	Thorium-232	2.10	3.50	0.37	0.16			
4108-0745A-HD	5/18/2009	Uranium-238	2.20	4.20	0.49	0.38			
4108-0745A-HO	5/18/2009	Actinium-227	4.60	13.61	0.10	0.21	U		
4108-0745A-HO	5/18/2009	Americium-241	63.00	189.00	0.02	0.05	U		
4108-0745A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0745A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0745A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4108-0745A-HO	5/18/2009	Lead-210	7.40	19.80	0.70	0.50			
4108-0745A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	5.35	U		
4108-0745A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.35	U		
4108-0745A-HO	5/18/2009	Radium-226	2.90	4.70	0.42	0.11			
4108-0745A-HO	5/18/2009	Thorium-230	2.80	4.60	0.00	5.07	U		
4108-0745A-HO	5/18/2009	Thorium-232	2.10	3.50	0.28	0.12			
4108-0745A-HO	5/18/2009	Uranium-238	2.20	4.20	0.46	0.32			
4108-0746A-HO	5/18/2009	Actinium-227	4.60	13.61	0.03	0.27	U		
4108-0746A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4108-0746A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0746A-HO	5/18/2009	Cesium-137	3.80	10.62	0.03	0.04	U		
4108-0746A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4108-0746A-HO	5/18/2009	Lead-210	7.40	19.80	0.69	0.59			
4108-0746A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	6.65	U		
4108-0746A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.61	U		
4108-0746A-HO	5/18/2009	Radium-226	2.90	4.70	0.55	0.12			
4108-0746A-HO	5/18/2009	Thorium-230	2.80	4.60	0.67	5.97	U		
4108-0746A-HO	5/18/2009	Thorium-232	2.10	3.50	0.31	0.19			
4108-0746A-HO	5/18/2009	Uranium-238	2.20	4.20	0.56	0.39			
4108-0747A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4108-0747A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4108-0747A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4108-0747A-HO	5/18/2009	Cesium-137	3.80	10.62	0.03	0.04	U		
4108-0747A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0747A-HO	5/18/2009	Lead-210	7.40	19.80	0.32	0.76	U		
4108-0747A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	7.37	U		
4108-0747A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.81	U		
4108-0747A-HO	5/18/2009	Radium-226	2.90	4.70	0.56	0.10			
4108-0747A-HO	5/18/2009	Thorium-230	2.80	4.60	0.34	7.08	U		
4108-0747A-HO	5/18/2009	Thorium-232	2.10	3.50	0.72	0.20			
4108-0747A-HO	5/18/2009	Uranium-238	2.20	4.20	0.64	0.47			
4108-0749A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4108-0749A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4108-0749A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0749A-HO	5/18/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0749A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.01	0.07	U		
4108-0749A-HO	5/18/2009	Lead-210	7.40	19.80	0.92	0.76			
4108-0749A-HO	5/18/2009	Plutonium-238	55.00	165.13	5.51	6.35	U		
4108-0749A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.89	1.62	U		
4108-0749A-HO	5/18/2009	Radium-226	2.90	4.70	1.01	0.11			
4108-0749A-HO	5/18/2009	Thorium-230	2.80	4.60	5.54	7.41	U		
4108-0749A-HO	5/18/2009	Thorium-232	2.10	3.50	0.68	0.20			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0749A-HO	5/18/2009	Uranium-238	2.20	4.20	0.85	0.47			
4108-0750A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.23	U		
4108-0750A-HO	5/18/2009	Americium-241	63.00	189.00	0.01	0.05	U		
4108-0750A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0750A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.03	U		
4108-0750A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4108-0750A-HO	5/18/2009	Lead-210	7.40	19.80	0.47	0.50	U		
4108-0750A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.48	5.22	U		
4108-0750A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.11	1.14	U		
4108-0750A-HO	5/18/2009	Radium-226	2.90	4.70	0.50	0.08			
4108-0750A-HO	5/18/2009	Thorium-230	2.80	4.60	0.00	5.15	U		
4108-0750A-HO	5/18/2009	Thorium-232	2.10	3.50	0.24	0.09			
4108-0750A-HO	5/18/2009	Uranium-238	2.20	4.20	0.17	0.35	U		
4108-0751A-HO	5/18/2009	Actinium-227	4.60	13.61	0.01	0.28	U		
4108-0751A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0751A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0751A-HO	5/18/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4108-0751A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4108-0751A-HO	5/18/2009	Lead-210	7.40	19.80	0.53	0.72	U		
4108-0751A-HO	5/18/2009	Plutonium-238	55.00	165.13	1.20	6.84	U		
4108-0751A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	2.03	U		
4108-0751A-HO	5/18/2009	Radium-226	2.90	4.70	0.83	0.08			
4108-0751A-HO	5/18/2009	Thorium-230	2.80	4.60	1.22	6.68	U		
4108-0751A-HO	5/18/2009	Thorium-232	2.10	3.50	0.54	0.14			
4108-0751A-HO	5/18/2009	Uranium-238	2.20	4.20	0.87	0.40			
4108-0752A-HO	5/13/2009	Actinium-227	4.60	13.61	0.15	0.28	U		
4108-0752A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0752A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0752A-HO	5/13/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0752A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4108-0752A-HO	5/13/2009	Lead-210	7.40	19.80	0.90	0.65			
4108-0752A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.00	6.91	U		
4108-0752A-HO	5/13/2009	Protactinium-231	4.00	11.81	1.02	1.39	U		
4108-0752A-HO	5/13/2009	Radium-226	2.90	4.70	0.77	0.13			
4108-0752A-HO	5/13/2009	Thorium-230	2.80	4.60	0.07	6.56	U		
4108-0752A-HO	5/13/2009	Thorium-232	2.10	3.50	0.27	0.22			
4108-0752A-HO	5/13/2009	Uranium-238	2.20	4.20	0.93	0.38			
4108-0753A-HO	5/18/2009	Actinium-227	4.60	13.61	0.17	0.27	U		
4108-0753A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0753A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4108-0753A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4108-0753A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4108-0753A-HO	5/18/2009	Lead-210	7.40	19.80	0.79	0.58			
4108-0753A-HO	5/18/2009	Plutonium-238	55.00	165.13	2.07	6.07	U		
4108-0753A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.61	U		
4108-0753A-HO	5/18/2009	Radium-226	2.90	4.70	0.71	0.13			
4108-0753A-HO	5/18/2009	Thorium-230	2.80	4.60	2.42	6.10	U		
4108-0753A-HO	5/18/2009	Thorium-232	2.10	3.50	0.53	0.14			
4108-0753A-HO	5/18/2009	Uranium-238	2.20	4.20	0.75	0.37			
4108-0754A-HO	5/18/2009	Actinium-227	4.60	13.61	0.03	0.30	U		
4108-0754A-HO	5/18/2009	Americium-241	63.00	189.00	0.03	0.07	U		
4108-0754A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0754A-HO	5/18/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4108-0754A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.04	0.05	U		
4108-0754A-HO	5/18/2009	Lead-210	7.40	19.80	0.61	0.68	U		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0754A-HO	5/18/2009	Plutonium-238	55.00	165.13	1.54	6.38	U		
4108-0754A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.81	U		
4108-0754A-HO	5/18/2009	Radium-226	2.90	4.70	0.72	0.10			
4108-0754A-HO	5/18/2009	Thorium-230	2.80	4.60	2.73	6.37	U		
4108-0754A-HO	5/18/2009	Thorium-232	2.10	3.50	0.41	0.13			
4108-0754A-HO	5/18/2009	Uranium-238	2.20	4.20	0.48	0.44			
4108-0755A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.30	U		
4108-0755A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0755A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.02	0.04	U		
4108-0755A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4108-0755A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.03	0.04	U		
4108-0755A-HO	5/18/2009	Lead-210	7.40	19.80	0.98	0.57			
4108-0755A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	6.39	U		
4108-0755A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.51	1.44	U		
4108-0755A-HO	5/18/2009	Radium-226	2.90	4.70	0.74	0.09			
4108-0755A-HO	5/18/2009	Thorium-230	2.80	4.60	2.34	5.96	U		
4108-0755A-HO	5/18/2009	Thorium-232	2.10	3.50	0.35	0.18			
4108-0755A-HO	5/18/2009	Uranium-238	2.20	4.20	0.60	0.40			
4108-0756A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.27	U		
4108-0756A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0756A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0756A-HO	5/18/2009	Cesium-137	3.80	10.62	0.02	0.03	U		
4108-0756A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4108-0756A-HO	5/18/2009	Lead-210	7.40	19.80	0.62	0.64	U		
4108-0756A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	6.19	U		
4108-0756A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.53	U		
4108-0756A-HO	5/18/2009	Radium-226	2.90	4.70	0.57	0.10			
4108-0756A-HO	5/18/2009	Thorium-230	2.80	4.60	1.35	6.03	U		
4108-0756A-HO	5/18/2009	Thorium-232	2.10	3.50	0.46	0.15			
4108-0756A-HO	5/18/2009	Uranium-238	2.20	4.20	0.67	0.36			
4108-0757A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.23	U		
4108-0757A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.05	U		
4108-0757A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0757A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0757A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.02	0.03	U		
4108-0757A-HO	5/13/2009	Lead-210	7.40	19.80	0.14	0.51	U		
4108-0757A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.47	4.84	U		
4108-0757A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.41	1.15	U		
4108-0757A-HO	5/13/2009	Radium-226	2.90	4.70	0.60	0.08			
4108-0757A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	4.96	U		
4108-0757A-HO	5/13/2009	Thorium-232	2.10	3.50	0.27	0.12			
4108-0757A-HO	5/13/2009	Uranium-238	2.20	4.20	0.37	0.32			
4108-0758A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.37	U		
4108-0758A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4108-0758A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0758A-HO	5/18/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4108-0758A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.04	0.05	U		
4108-0758A-HO	5/18/2009	Lead-210	7.40	19.80	0.59	0.78	U		
4108-0758A-HO	5/18/2009	Plutonium-238	55.00	165.13	2.70	7.17	U		
4108-0758A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.64	1.72	U		
4108-0758A-HO	5/18/2009	Radium-226	2.90	4.70	0.70	0.13			
4108-0758A-HO	5/18/2009	Thorium-230	2.80	4.60	0.57	7.90	U		
4108-0758A-HO	5/18/2009	Thorium-232	2.10	3.50	0.75	0.23			
4108-0758A-HO	5/18/2009	Uranium-238	2.20	4.20	1.07	0.49			
4108-0759A-HO	5/18/2009	Actinium-227	4.60	13.61	0.03	0.23	U		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0759A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.06	U		
4108-0759A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0759A-HO	5/18/2009	Cesium-137	3.80	10.62	0.02	0.03	U		
4108-0759A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0759A-HO	5/18/2009	Lead-210	7.40	19.80	0.31	0.55	U		
4108-0759A-HO	5/18/2009	Plutonium-238	55.00	165.13	2.91	4.41	U		
4108-0759A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.17	1.29	U		
4108-0759A-HO	5/18/2009	Radium-226	2.90	4.70	0.44	0.10			
4108-0759A-HO	5/18/2009	Thorium-230	2.80	4.60	0.54	4.79	U		
4108-0759A-HO	5/18/2009	Thorium-232	2.10	3.50	0.21	0.12			
4108-0759A-HO	5/18/2009	Uranium-238	2.20	4.20	0.40	0.31			
4108-0760A-HO	5/18/2009	Actinium-227	4.60	13.61	0.12	0.21	U		
4108-0760A-HO	5/18/2009	Americium-241	63.00	189.00	0.01	0.05	U		
4108-0760A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0760A-HO	5/18/2009	Cesium-137	3.80	10.62	0.01	0.03	U		
4108-0760A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4108-0760A-HO	5/18/2009	Lead-210	7.40	19.80	0.55	0.49			
4108-0760A-HO	5/18/2009	Plutonium-238	55.00	165.13	2.08	4.86	U		
4108-0760A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.48	U		
4108-0760A-HO	5/18/2009	Radium-226	2.90	4.70	0.56	0.09			
4108-0760A-HO	5/18/2009	Thorium-230	2.80	4.60	0.00	5.00	U		
4108-0760A-HO	5/18/2009	Thorium-232	2.10	3.50	0.21	0.09			
4108-0760A-HO	5/18/2009	Uranium-238	2.20	4.20	0.17	0.33	U		
4108-0761A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.23	U		
4108-0761A-HO	5/18/2009	Americium-241	63.00	189.00	0.01	0.05	U		
4108-0761A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0761A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0761A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4108-0761A-HO	5/18/2009	Lead-210	7.40	19.80	0.20	0.52	U		
4108-0761A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	5.71	U		
4108-0761A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.41	1.27	U		
4108-0761A-HO	5/18/2009	Radium-226	2.90	4.70	0.49	0.09			
4108-0761A-HO	5/18/2009	Thorium-230	2.80	4.60	1.26	4.95	U		
4108-0761A-HO	5/18/2009	Thorium-232	2.10	3.50	0.24	0.12			
4108-0761A-HO	5/18/2009	Uranium-238	2.20	4.20	0.37	0.33			
4108-0762A-HO	5/18/2009	Actinium-227	4.60	13.61	0.04	0.42	U		
4108-0762A-HO	5/18/2009	Americium-241	63.00	189.00	0.02	0.10	U		
4108-0762A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.03	0.06	U		
4108-0762A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4108-0762A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.04	0.07	U		
4108-0762A-HO	5/18/2009	Lead-210	7.40	19.80	1.23	0.85			
4108-0762A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	9.42	U		
4108-0762A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	2.36	U		
4108-0762A-HO	5/18/2009	Radium-226	2.90	4.70	0.83	0.16			
4108-0762A-HO	5/18/2009	Thorium-230	2.80	4.60	0.00	9.11	U		
4108-0762A-HO	5/18/2009	Thorium-232	2.10	3.50	0.94	0.27			
4108-0762A-HO	5/18/2009	Uranium-238	2.20	4.20	1.03	0.56			
4108-0763A-HO	5/13/2009	Actinium-227	4.60	13.61	0.39	0.38			
4108-0763A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4108-0763A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.02	0.07	U		
4108-0763A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.08	U		
4108-0763A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4108-0763A-HO	5/13/2009	Lead-210	7.40	19.80	0.83	0.94	U		
4108-0763A-HO	5/13/2009	Plutonium-238	55.00	165.13	1.74	9.26	U		
4108-0763A-HO	5/13/2009	Protactinium-231	4.00	11.81	1.04	2.13	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0763A-HO	5/13/2009	Radium-226	2.90	4.70	0.80	0.16			
4108-0763A-HO	5/13/2009	Thorium-230	2.80	4.60	1.55	9.08	U		
4108-0763A-HO	5/13/2009	Thorium-232	2.10	3.50	0.90	0.25			
4108-0763A-HO	5/13/2009	Uranium-238	2.20	4.20	0.89	0.62			
4108-0764A-HD	5/18/2009	Actinium-227	4.60	13.61	0.02	0.29	U		
4108-0764A-HD	5/18/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4108-0764A-HD	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0764A-HD	5/18/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4108-0764A-HD	5/18/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4108-0764A-HD	5/18/2009	Lead-210	7.40	19.80	0.43	0.68	U		
4108-0764A-HD	5/18/2009	Plutonium-238	55.00	165.13	0.00	7.08	U		
4108-0764A-HD	5/18/2009	Protactinium-231	4.00	11.81	0.49	1.67	U		
4108-0764A-HD	5/18/2009	Radium-226	2.90	4.70	0.71	0.11			
4108-0764A-HD	5/18/2009	Thorium-230	2.80	4.60	0.14	7.29	U		
4108-0764A-HD	5/18/2009	Thorium-232	2.10	3.50	0.94	0.19			
4108-0764A-HD	5/18/2009	Uranium-238	2.20	4.20	0.72	0.45			
4108-0764A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.32	U		
4108-0764A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0764A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0764A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0764A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4108-0764A-HO	5/18/2009	Lead-210	7.40	19.80	0.17	0.69	U		
4108-0764A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	7.28	U		
4108-0764A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.68	U		
4108-0764A-HO	5/18/2009	Radium-226	2.90	4.70	0.67	0.11			
4108-0764A-HO	5/18/2009	Thorium-230	2.80	4.60	2.60	7.06	U		
4108-0764A-HO	5/18/2009	Thorium-232	2.10	3.50	0.84	0.18			
4108-0764A-HO	5/18/2009	Uranium-238	2.20	4.20	0.77	0.47			
4108-0765A-HO	5/18/2009	Actinium-227	4.60	13.61	0.07	0.35	U		
4108-0765A-HO	5/18/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4108-0765A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0765A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0765A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4108-0765A-HO	5/18/2009	Lead-210	7.40	19.80	1.27	0.77			
4108-0765A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	8.49	U		
4108-0765A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	2.06	U		
4108-0765A-HO	5/18/2009	Radium-226	2.90	4.70	0.86	0.13			
4108-0765A-HO	5/18/2009	Thorium-230	2.80	4.60	0.76	8.21	U		
4108-0765A-HO	5/18/2009	Thorium-232	2.10	3.50	0.81	0.20			
4108-0765A-HO	5/18/2009	Uranium-238	2.20	4.20	0.61	0.52			
4108-0766A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.29	U		
4108-0766A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0766A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0766A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4108-0766A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0766A-HO	5/18/2009	Lead-210	7.40	19.80	0.15	0.72	U		
4108-0766A-HO	5/18/2009	Plutonium-238	55.00	165.13	1.22	6.45	U		
4108-0766A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.68	U		
4108-0766A-HO	5/18/2009	Radium-226	2.90	4.70	0.86	0.11			
4108-0766A-HO	5/18/2009	Thorium-230	2.80	4.60	0.00	6.59	U		
4108-0766A-HO	5/18/2009	Thorium-232	2.10	3.50	0.41	0.15			
4108-0766A-HO	5/18/2009	Uranium-238	2.20	4.20	0.29	0.42	U		
4108-0767A-HO	5/18/2009	Actinium-227	4.60	13.61	0.09	0.27	U		
4108-0767A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4108-0767A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0767A-HO	5/18/2009	Cesium-137	3.80	10.62	0.02	0.04	U		
4108-0767A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.03	0.04	U		
4108-0767A-HO	5/18/2009	Lead-210	7.40	19.80	0.38	0.63	U		
4108-0767A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	6.36	U		
4108-0767A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.31	1.49	U		
4108-0767A-HO	5/18/2009	Radium-226	2.90	4.70	0.77	0.10			
4108-0767A-HO	5/18/2009	Thorium-230	2.80	4.60	0.42	6.02	U		
4108-0767A-HO	5/18/2009	Thorium-232	2.10	3.50	0.18	0.22	U		
4108-0767A-HO	5/18/2009	Uranium-238	2.20	4.20	0.49	0.39			
4108-0768A-HO	5/18/2009	Actinium-227	4.60	13.61	0.11	0.28	U		
4108-0768A-HO	5/18/2009	Americium-241	63.00	189.00	0.05	0.07	U		
4108-0768A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0768A-HO	5/18/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4108-0768A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4108-0768A-HO	5/18/2009	Lead-210	7.40	19.80	0.48	0.63	U		
4108-0768A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.33	7.20	U		
4108-0768A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.69	U		
4108-0768A-HO	5/18/2009	Radium-226	2.90	4.70	0.55	0.12			
4108-0768A-HO	5/18/2009	Thorium-230	2.80	4.60	0.00	7.31	U		
4108-0768A-HO	5/18/2009	Thorium-232	2.10	3.50	1.01	0.12			
4108-0768A-HO	5/18/2009	Uranium-238	2.20	4.20	0.77	0.44			
4108-0769A-HO	5/18/2009	Actinium-227	4.60	13.61	0.01	0.33	U		
4108-0769A-HO	5/18/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4108-0769A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4108-0769A-HO	5/18/2009	Cesium-137	3.80	10.62	0.03	0.04	U		
4108-0769A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.02	0.06	U		
4108-0769A-HO	5/18/2009	Lead-210	7.40	19.80	1.07	0.69			
4108-0769A-HO	5/18/2009	Plutonium-238	55.00	165.13	3.30	6.90	U		
4108-0769A-HO	5/18/2009	Protactinium-231	4.00	11.81	1.02	1.63	U		
4108-0769A-HO	5/18/2009	Radium-226	2.90	4.70	0.80	0.12			
4108-0769A-HO	5/18/2009	Thorium-230	2.80	4.60	2.77	6.72	U		
4108-0769A-HO	5/18/2009	Thorium-232	2.10	3.50	0.35	0.19			
4108-0769A-HO	5/18/2009	Uranium-238	2.20	4.20	0.81	0.47			
4108-0771A-HO	5/18/2009	Actinium-227	4.60	13.61	0.08	0.30	U		
4108-0771A-HO	5/18/2009	Americium-241	63.00	189.00	0.03	0.07	U		
4108-0771A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0771A-HO	5/18/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0771A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.02	0.04	U		
4108-0771A-HO	5/18/2009	Lead-210	7.40	19.80	1.08	0.60			
4108-0771A-HO	5/18/2009	Plutonium-238	55.00	165.13	2.41	6.49	U		
4108-0771A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.95	1.51	U		
4108-0771A-HO	5/18/2009	Radium-226	2.90	4.70	0.72	0.09			
4108-0771A-HO	5/18/2009	Thorium-230	2.80	4.60	2.85	6.14	U		
4108-0771A-HO	5/18/2009	Thorium-232	2.10	3.50	0.42	0.17			
4108-0771A-HO	5/18/2009	Uranium-238	2.20	4.20	0.53	0.44			
4108-0772A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.37	U		
4108-0772A-HO	5/13/2009	Americium-241	63.00	189.00	0.01	0.09	U		
4108-0772A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0772A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0772A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.05	0.06	U		
4108-0772A-HO	5/13/2009	Lead-210	7.40	19.80	0.86	0.81			
4108-0772A-HO	5/13/2009	Plutonium-238	55.00	165.13	0.82	8.21	U		
4108-0772A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.00	2.00	U		
4108-0772A-HO	5/13/2009	Radium-226	2.90	4.70	0.73	0.14			
4108-0772A-HO	5/13/2009	Thorium-230	2.80	4.60	2.99	7.83	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0772A-HO	5/13/2009	Thorium-232	2.10	3.50	0.38	0.29			
4108-0772A-HO	5/13/2009	Uranium-238	2.20	4.20	0.81	0.52			
4108-0773A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4108-0773A-HO	5/18/2009	Americium-241	63.00	189.00	0.01	0.09	U		
4108-0773A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4108-0773A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4108-0773A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4108-0773A-HO	5/18/2009	Lead-210	7.40	19.80	1.01	0.78			
4108-0773A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	8.02	U		
4108-0773A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.52	1.90	U		
4108-0773A-HO	5/18/2009	Radium-226	2.90	4.70	0.81	0.13			
4108-0773A-HO	5/18/2009	Thorium-230	2.80	4.60	0.80	7.65	U		
4108-0773A-HO	5/18/2009	Thorium-232	2.10	3.50	0.82	0.19			
4108-0773A-HO	5/18/2009	Uranium-238	2.20	4.20	0.95	0.49			
4108-0774A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4108-0774A-HO	5/18/2009	Americium-241	63.00	189.00	0.03	0.08	U		
4108-0774A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4108-0774A-HO	5/18/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4108-0774A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0774A-HO	5/18/2009	Lead-210	7.40	19.80	0.11	0.80	U		
4108-0774A-HO	5/18/2009	Plutonium-238	55.00	165.13	1.87	6.67	U		
4108-0774A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	2.01	U		
4108-0774A-HO	5/18/2009	Radium-226	2.90	4.70	0.64	0.14			
4108-0774A-HO	5/18/2009	Thorium-230	2.80	4.60	0.00	7.32	U		
4108-0774A-HO	5/18/2009	Thorium-232	2.10	3.50	0.68	0.22			
4108-0774A-HO	5/18/2009	Uranium-238	2.20	4.20	0.61	0.49			
4108-0775A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.42	U		
4108-0775A-HO	5/18/2009	Americium-241	63.00	189.00	0.01	0.10	U		
4108-0775A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4108-0775A-HO	5/18/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4108-0775A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4108-0775A-HO	5/18/2009	Lead-210	7.40	19.80	1.44	0.78			
4108-0775A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	9.13	U		
4108-0775A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.35	2.00	U		
4108-0775A-HO	5/18/2009	Radium-226	2.90	4.70	0.92	0.17			
4108-0775A-HO	5/18/2009	Thorium-230	2.80	4.60	0.00	8.90	U		
4108-0775A-HO	5/18/2009	Thorium-232	2.10	3.50	0.64	0.27			
4108-0775A-HO	5/18/2009	Uranium-238	2.20	4.20	1.13	0.53			
4108-0776A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.39	U		
4108-0776A-HO	5/18/2009	Americium-241	63.00	189.00	0.07	0.08	U		
4108-0776A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0776A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4108-0776A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0776A-HO	5/18/2009	Lead-210	7.40	19.80	1.31	0.80			
4108-0776A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	8.87	U		
4108-0776A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.10	1.95	U		
4108-0776A-HO	5/18/2009	Radium-226	2.90	4.70	0.87	0.14			
4108-0776A-HO	5/18/2009	Thorium-230	2.80	4.60	0.00	8.48	U		
4108-0776A-HO	5/18/2009	Thorium-232	2.10	3.50	0.76	0.24			
4108-0776A-HO	5/18/2009	Uranium-238	2.20	4.20	0.99	0.52			
4108-0777A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.27	U		
4108-0777A-HO	5/18/2009	Americium-241	63.00	189.00	0.05	0.06	U		
4108-0777A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0777A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0777A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0777A-HO	5/18/2009	Lead-210	7.40	19.80	0.81	0.53			
4108-0777A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.15	5.68	U		
4108-0777A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.29	1.32	U		
4108-0777A-HO	5/18/2009	Radium-226	2.90	4.70	0.59	0.11			
4108-0777A-HO	5/18/2009	Thorium-230	2.80	4.60	1.55	5.72	U		
4108-0777A-HO	5/18/2009	Thorium-232	2.10	3.50	0.47	0.12			
4108-0777A-HO	5/18/2009	Uranium-238	2.20	4.20	0.75	0.35			
4108-0778A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.32	U		
4108-0778A-HO	5/18/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0778A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0778A-HO	5/18/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4108-0778A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0778A-HO	5/18/2009	Lead-210	7.40	19.80	0.78	0.64			
4108-0778A-HO	5/18/2009	Plutonium-238	55.00	165.13	0.00	7.05	U		
4108-0778A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.00	1.75	U		
4108-0778A-HO	5/18/2009	Radium-226	2.90	4.70	0.73	0.13			
4108-0778A-HO	5/18/2009	Thorium-230	2.80	4.60	3.01	6.33	U		
4108-0778A-HO	5/18/2009	Thorium-232	2.10	3.50	0.32	0.17			
4108-0778A-HO	5/18/2009	Uranium-238	2.20	4.20	0.61	0.39			
4108-0779A-HO	5/18/2009	Actinium-227	4.60	13.61	0.00	0.29	U		
4108-0779A-HO	5/18/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4108-0779A-HO	5/18/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0779A-HO	5/18/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0779A-HO	5/18/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4108-0779A-HO	5/18/2009	Lead-210	7.40	19.80	1.03	0.58			
4108-0779A-HO	5/18/2009	Plutonium-238	55.00	165.13	2.36	6.29	U		
4108-0779A-HO	5/18/2009	Protactinium-231	4.00	11.81	0.48	1.48	U		
4108-0779A-HO	5/18/2009	Radium-226	2.90	4.70	0.73	0.10			
4108-0779A-HO	5/18/2009	Thorium-230	2.80	4.60	0.37	6.43	U		
4108-0779A-HO	5/18/2009	Thorium-232	2.10	3.50	0.23	0.20			
4108-0779A-HO	5/18/2009	Uranium-238	2.20	4.20	0.71	0.40			
4108-0780A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.46	U		
4108-0780A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.11	U		
4108-0780A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.03	0.07	U		
4108-0780A-HO	5/19/2009	Cesium-137	3.80	10.62	0.06	0.06			
4108-0780A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.01	0.08	U		
4108-0780A-HO	5/19/2009	Lead-210	7.40	19.80	0.99	0.95			
4108-0780A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	10.28	U		
4108-0780A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.05	2.32	U		
4108-0780A-HO	5/19/2009	Radium-226	2.90	4.70	0.77	0.18			
4108-0780A-HO	5/19/2009	Thorium-230	2.80	4.60	3.82	9.56	U		
4108-0780A-HO	5/19/2009	Thorium-232	2.10	3.50	1.05	0.26			
4108-0780A-HO	5/19/2009	Uranium-238	2.20	4.20	0.89	0.66			
4108-0781A-HO	5/19/2009	Actinium-227	4.60	13.61	0.01	0.45	U		
4108-0781A-HO	5/19/2009	Americium-241	63.00	189.00	0.02	0.11	U		
4108-0781A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4108-0781A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.08	U		
4108-0781A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.11	U		
4108-0781A-HO	5/19/2009	Lead-210	7.40	19.80	0.59	1.00	U		
4108-0781A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	10.83	U		
4108-0781A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.56	U		
4108-0781A-HO	5/19/2009	Radium-226	2.90	4.70	0.82	0.19			
4108-0781A-HO	5/19/2009	Thorium-230	2.80	4.60	2.46	9.85	U		
4108-0781A-HO	5/19/2009	Thorium-232	2.10	3.50	1.70	0.26			
4108-0781A-HO	5/19/2009	Uranium-238	2.20	4.20	0.90	1.04	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0782A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.39	U		
4108-0782A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0782A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.01	0.07	U		
4108-0782A-HO	5/19/2009	Cesium-137	3.80	10.62	0.03	0.06	U		
4108-0782A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.02	0.07	U		
4108-0782A-HO	5/19/2009	Lead-210	7.40	19.80	0.06	0.90	U		
4108-0782A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.72	8.20	U		
4108-0782A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.13	U		
4108-0782A-HO	5/19/2009	Radium-226	2.90	4.70	0.78	0.13			
4108-0782A-HO	5/19/2009	Thorium-230	2.80	4.60	3.98	8.22	U		
4108-0782A-HO	5/19/2009	Thorium-232	2.10	3.50	0.83	0.26			
4108-0782A-HO	5/19/2009	Uranium-238	2.20	4.20	1.12	0.51			
4108-0783A-HD	5/19/2009	Actinium-227	4.60	13.61	0.00	0.29	U		
4108-0783A-HD	5/19/2009	Americium-241	63.00	189.00	0.04	0.06	U		
4108-0783A-HD	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0783A-HD	5/19/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0783A-HD	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4108-0783A-HD	5/19/2009	Lead-210	7.40	19.80	0.24	0.66	U		
4108-0783A-HD	5/19/2009	Plutonium-238	55.00	165.13	1.95	5.55	U		
4108-0783A-HD	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.43	U		
4108-0783A-HD	5/19/2009	Radium-226	2.90	4.70	0.66	0.11			
4108-0783A-HD	5/19/2009	Thorium-230	2.80	4.60	0.00	6.50	U		
4108-0783A-HD	5/19/2009	Thorium-232	2.10	3.50	0.35	0.18			
4108-0783A-HD	5/19/2009	Uranium-238	2.20	4.20	0.61	0.38			
4108-0783A-HO	5/19/2009	Actinium-227	4.60	13.61	0.09	0.27	U		
4108-0783A-HO	5/19/2009	Americium-241	63.00	189.00	0.04	0.06	U		
4108-0783A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0783A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0783A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4108-0783A-HO	5/19/2009	Lead-210	7.40	19.80	0.97	0.55			
4108-0783A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.56	6.70	U		
4108-0783A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.10	1.60	U		
4108-0783A-HO	5/19/2009	Radium-226	2.90	4.70	0.59	0.11			
4108-0783A-HO	5/19/2009	Thorium-230	2.80	4.60	3.06	6.11	U		
4108-0783A-HO	5/19/2009	Thorium-232	2.10	3.50	0.38	0.17			
4108-0783A-HO	5/19/2009	Uranium-238	2.20	4.20	0.65	0.38			
4108-0784A-HO	5/19/2009	Actinium-227	4.60	13.61	0.20	0.37	U		
4108-0784A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0784A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4108-0784A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0784A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4108-0784A-HO	5/19/2009	Lead-210	7.40	19.80	1.21	0.79			
4108-0784A-HO	5/19/2009	Plutonium-238	55.00	165.13	2.13	8.58	U		
4108-0784A-HO	5/19/2009	Protactinium-231	4.00	11.81	1.70	1.83	U		
4108-0784A-HO	5/19/2009	Radium-226	2.90	4.70	0.91	0.12			
4108-0784A-HO	5/19/2009	Thorium-230	2.80	4.60	0.69	8.43	U		
4108-0784A-HO	5/19/2009	Thorium-232	2.10	3.50	0.80	0.20			
4108-0784A-HO	5/19/2009	Uranium-238	2.20	4.20	1.21	0.51			
4108-0785A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.44	U		
4108-0785A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0785A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0785A-HO	5/19/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4108-0785A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4108-0785A-HO	5/19/2009	Lead-210	7.40	19.80	1.04	0.85			
4108-0785A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.58	8.63	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0785A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.32	2.02	U		
4108-0785A-HO	5/19/2009	Radium-226	2.90	4.70	0.93	0.15			
4108-0785A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	8.95	U		
4108-0785A-HO	5/19/2009	Thorium-232	2.10	3.50	0.84	0.21			
4108-0785A-HO	5/19/2009	Uranium-238	2.20	4.20	0.71	0.57			
4108-0786A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4108-0786A-HO	5/19/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4108-0786A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0786A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4108-0786A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0786A-HO	5/19/2009	Lead-210	7.40	19.80	0.74	0.68			
4108-0786A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.46	6.99	U		
4108-0786A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.81	U		
4108-0786A-HO	5/19/2009	Radium-226	2.90	4.70	0.79	0.14			
4108-0786A-HO	5/19/2009	Thorium-230	2.80	4.60	3.31	6.28	U		
4108-0786A-HO	5/19/2009	Thorium-232	2.10	3.50	0.51	0.23			
4108-0786A-HO	5/19/2009	Uranium-238	2.20	4.20	0.76	0.44			
4108-0787A-HO	5/19/2009	Actinium-227	4.60	13.61	0.10	0.30	U		
4108-0787A-HO	5/19/2009	Americium-241	63.00	189.00	0.02	0.07	U		
4108-0787A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4108-0787A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4108-0787A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0787A-HO	5/19/2009	Lead-210	7.40	19.80	1.04	0.60			
4108-0787A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	6.77	U		
4108-0787A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	0.17	U		
4108-0787A-HO	5/19/2009	Radium-226	2.90	4.70	0.76	0.13			
4108-0787A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	6.77	U		
4108-0787A-HO	5/19/2009	Thorium-232	2.10	3.50	0.37	0.21			
4108-0787A-HO	5/19/2009	Uranium-238	2.20	4.20	0.32	0.43	U		
4108-0788A-HO	5/19/2009	Actinium-227	4.60	13.61	0.19	0.27	U		
4108-0788A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4108-0788A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4108-0788A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0788A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4108-0788A-HO	5/19/2009	Lead-210	7.40	19.80	0.98	0.73			
4108-0788A-HO	5/19/2009	Plutonium-238	55.00	165.13	4.23	6.71	U		
4108-0788A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.96	U		
4108-0788A-HO	5/19/2009	Radium-226	2.90	4.70	0.69	0.13			
4108-0788A-HO	5/19/2009	Thorium-230	2.80	4.60	3.24	6.74	U		
4108-0788A-HO	5/19/2009	Thorium-232	2.10	3.50	0.29	0.22			
4108-0788A-HO	5/19/2009	Uranium-238	2.20	4.20	0.90	0.46			
4108-0789A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.39	U		
4108-0789A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0789A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0789A-HO	5/19/2009	Cesium-137	3.80	10.62	0.04	0.05	U		
4108-0789A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.02	0.07	U		
4108-0789A-HO	5/19/2009	Lead-210	7.40	19.80	1.26	0.85			
4108-0789A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	9.71	U		
4108-0789A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.04	U		
4108-0789A-HO	5/19/2009	Radium-226	2.90	4.70	0.80	0.15			
4108-0789A-HO	5/19/2009	Thorium-230	2.80	4.60	3.27	8.99	U		
4108-0789A-HO	5/19/2009	Thorium-232	2.10	3.50	0.71	0.26			
4108-0789A-HO	5/19/2009	Uranium-238	2.20	4.20	1.51	0.56			
4108-0791A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4108-0791A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.08	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0791A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4108-0791A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4108-0791A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0791A-HO	5/19/2009	Lead-210	7.40	19.80	0.67	0.76	U		
4108-0791A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	7.07	U		
4108-0791A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.95	U		
4108-0791A-HO	5/19/2009	Radium-226	2.90	4.70	0.82	0.12			
4108-0791A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	7.67	U		
4108-0791A-HO	5/19/2009	Thorium-232	2.10	3.50	0.57	0.16			
4108-0791A-HO	5/19/2009	Uranium-238	2.20	4.20	0.79	0.45			
4108-0792A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.42	U		
4108-0792A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4108-0792A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0792A-HO	5/19/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4108-0792A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.13	U		
4108-0792A-HO	5/19/2009	Lead-210	7.40	19.80	1.19	0.93			
4108-0792A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	9.26	U		
4108-0792A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.89	2.12	U		
4108-0792A-HO	5/19/2009	Radium-226	2.90	4.70	0.93	0.15			
4108-0792A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	9.14	U		
4108-0792A-HO	5/19/2009	Thorium-232	2.10	3.50	0.85	0.28			
4108-0792A-HO	5/19/2009	Uranium-238	2.20	4.20	1.23	0.59			
4108-0793A-HO	5/13/2009	Actinium-227	4.60	13.61	0.01	0.41	U		
4108-0793A-HO	5/13/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4108-0793A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0793A-HO	5/13/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4108-0793A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4108-0793A-HO	5/13/2009	Lead-210	7.40	19.80	0.69	0.87	U		
4108-0793A-HO	5/13/2009	Plutonium-238	55.00	165.13	1.22	9.10	U		
4108-0793A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.10	2.13	U		
4108-0793A-HO	5/13/2009	Radium-226	2.90	4.70	0.98	0.14			
4108-0793A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	9.52	U		
4108-0793A-HO	5/13/2009	Thorium-232	2.10	3.50	0.43	0.34			
4108-0793A-HO	5/13/2009	Uranium-238	2.20	4.20	0.96	0.57			
4108-0794A-HO	5/19/2009	Actinium-227	4.60	13.61	0.24	0.34	U		
4108-0794A-HO	5/19/2009	Americium-241	63.00	189.00	0.03	0.08	U		
4108-0794A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0794A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0794A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0794A-HO	5/19/2009	Lead-210	7.40	19.80	0.97	0.78			
4108-0794A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.37	7.57	U		
4108-0794A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.97	U		
4108-0794A-HO	5/19/2009	Radium-226	2.90	4.70	0.91	0.15			
4108-0794A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	8.22	U		
4108-0794A-HO	5/19/2009	Thorium-232	2.10	3.50	0.52	0.21			
4108-0794A-HO	5/19/2009	Uranium-238	2.20	4.20	1.10	0.49			
4108-0795A-HO	5/19/2009	Actinium-227	4.60	13.61	0.07	0.28	U		
4108-0795A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0795A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0795A-HO	5/19/2009	Cesium-137	3.80	10.62	0.03	0.04	U		
4108-0795A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4108-0795A-HO	5/19/2009	Lead-210	7.40	19.80	0.81	0.64			
4108-0795A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.17	6.25	U		
4108-0795A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.77	U		
4108-0795A-HO	5/19/2009	Radium-226	2.90	4.70	0.69	0.11			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0795A-HO	5/19/2009	Thorium-230	2.80	4.60	1.94	6.16	U		
4108-0795A-HO	5/19/2009	Thorium-232	2.10	3.50	0.32	0.16			
4108-0795A-HO	5/19/2009	Uranium-238	2.20	4.20	0.80	0.39			
4108-0796A-HO	5/19/2009	Actinium-227	4.60	13.61	0.27	0.25			
4108-0796A-HO	5/19/2009	Americium-241	63.00	189.00	0.03	0.06	U		
4108-0796A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0796A-HO	5/19/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0796A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0796A-HO	5/19/2009	Lead-210	7.40	19.80	0.61	0.65	U		
4108-0796A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	6.56	U		
4108-0796A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.94	1.47	U		
4108-0796A-HO	5/19/2009	Radium-226	2.90	4.70	0.80	0.11			
4108-0796A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	6.34	U		
4108-0796A-HO	5/19/2009	Thorium-232	2.10	3.50	0.43	0.19			
4108-0796A-HO	5/19/2009	Uranium-238	2.20	4.20	0.67	0.40			
4108-0797A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.45	U		
4108-0797A-HO	5/13/2009	Americium-241	63.00	189.00	0.01	0.10	U		
4108-0797A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4108-0797A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0797A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4108-0797A-HO	5/13/2009	Lead-210	7.40	19.80	0.28	0.95	U		
4108-0797A-HO	5/13/2009	Plutonium-238	55.00	165.13	6.70	8.11	U		
4108-0797A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.10	2.27	U		
4108-0797A-HO	5/13/2009	Radium-226	2.90	4.70	0.82	0.16			
4108-0797A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	9.65	U		
4108-0797A-HO	5/13/2009	Thorium-232	2.10	3.50	0.94	0.24			
4108-0797A-HO	5/13/2009	Uranium-238	2.20	4.20	1.15	0.59			
4108-0798A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.39	U		
4108-0798A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0798A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4108-0798A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4108-0798A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.02	0.07	U		
4108-0798A-HO	5/19/2009	Lead-210	7.40	19.80	0.35	0.89	U		
4108-0798A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	8.98	U		
4108-0798A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.71	1.99	U		
4108-0798A-HO	5/19/2009	Radium-226	2.90	4.70	0.83	0.18			
4108-0798A-HO	5/19/2009	Thorium-230	2.80	4.60	0.04	8.50	U		
4108-0798A-HO	5/19/2009	Thorium-232	2.10	3.50	1.00	0.22			
4108-0798A-HO	5/19/2009	Uranium-238	2.20	4.20	1.06	0.54			
4108-0799A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.31	U		
4108-0799A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4108-0799A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0799A-HO	5/19/2009	Cesium-137	3.80	10.62	0.04	0.05	U		
4108-0799A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4108-0799A-HO	5/19/2009	Lead-210	7.40	19.80	0.73	0.63			
4108-0799A-HO	5/19/2009	Plutonium-238	55.00	165.13	3.20	6.72	U		
4108-0799A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.18	1.62	U		
4108-0799A-HO	5/19/2009	Radium-226	2.90	4.70	0.70	0.09			
4108-0799A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	7.29	U		
4108-0799A-HO	5/19/2009	Thorium-232	2.10	3.50	0.58	0.20			
4108-0799A-HO	5/19/2009	Uranium-238	2.20	4.20	0.67	0.44			
4108-0800A-HO	5/19/2009	Actinium-227	4.60	13.61	0.20	0.37	U		
4108-0800A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0800A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0800A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.07	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0800A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.03	0.08	U		
4108-0800A-HO	5/19/2009	Lead-210	7.40	19.80	0.48	0.87	U		
4108-0800A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	8.71	U		
4108-0800A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.70	2.09	U		
4108-0800A-HO	5/19/2009	Radium-226	2.90	4.70	0.75	0.16			
4108-0800A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	8.54	U		
4108-0800A-HO	5/19/2009	Thorium-232	2.10	3.50	0.96	0.26			
4108-0800A-HO	5/19/2009	Uranium-238	2.20	4.20	0.58	0.54			
4108-0801A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.39	U		
4108-0801A-HO	5/19/2009	Americium-241	63.00	189.00	0.04	0.09	U		
4108-0801A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4108-0801A-HO	5/19/2009	Cesium-137	3.80	10.62	0.04	0.05	U		
4108-0801A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
4108-0801A-HO	5/19/2009	Lead-210	7.40	19.80	1.35	0.79			
4108-0801A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	9.85	U		
4108-0801A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.33	U		
4108-0801A-HO	5/19/2009	Radium-226	2.90	4.70	0.92	0.17			
4108-0801A-HO	5/19/2009	Thorium-230	2.80	4.60	5.92	8.70	U		
4108-0801A-HO	5/19/2009	Thorium-232	2.10	3.50	0.68	0.28			
4108-0801A-HO	5/19/2009	Uranium-238	2.20	4.20	0.71	0.57			
4108-0802A-HD	5/19/2009	Actinium-227	4.60	13.61	0.23	0.39	U		
4108-0802A-HD	5/19/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4108-0802A-HD	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4108-0802A-HD	5/19/2009	Cesium-137	3.80	10.62	0.01	0.07	U		
4108-0802A-HD	5/19/2009	Cobalt-60	0.70	2.10	0.05	0.06	U		
4108-0802A-HD	5/19/2009	Lead-210	7.40	19.80	1.12	0.90			
4108-0802A-HD	5/19/2009	Plutonium-238	55.00	165.13	2.60	8.84	U		
4108-0802A-HD	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.23	U		
4108-0802A-HD	5/19/2009	Radium-226	2.90	4.70	1.30	0.14			
4108-0802A-HD	5/19/2009	Thorium-230	2.80	4.60	3.46	9.03	U		
4108-0802A-HD	5/19/2009	Thorium-232	2.10	3.50	1.07	0.25			
4108-0802A-HD	5/19/2009	Uranium-238	2.20	4.20	1.40	0.57			
4108-0802A-HO	5/19/2009	Actinium-227	4.60	13.61	0.19	0.38	U		
4108-0802A-HO	5/19/2009	Americium-241	63.00	189.00	0.10	0.09			
4108-0802A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4108-0802A-HO	5/19/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4108-0802A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.03	0.07	U		
4108-0802A-HO	5/19/2009	Lead-210	7.40	19.80	1.09	0.92			
4108-0802A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.90	9.03	U		
4108-0802A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.21	U		
4108-0802A-HO	5/19/2009	Radium-226	2.90	4.70	1.08	0.16			
4108-0802A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	9.77	U		
4108-0802A-HO	5/19/2009	Thorium-232	2.10	3.50	0.80	0.29			
4108-0802A-HO	5/19/2009	Uranium-238	2.20	4.20	1.53	0.53			
4108-0803A-HO	5/13/2009	Actinium-227	4.60	13.61	0.00	0.46	U		
4108-0803A-HO	5/13/2009	Americium-241	63.00	189.00	0.02	0.11	U		
4108-0803A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.08	U		
4108-0803A-HO	5/13/2009	Cesium-137	3.80	10.62	0.00	0.08	U		
4108-0803A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.06	0.06	U		
4108-0803A-HO	5/13/2009	Lead-210	7.40	19.80	1.26	0.96			
4108-0803A-HO	5/13/2009	Plutonium-238	55.00	165.13	2.60	9.55	U		
4108-0803A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.00	2.43	U		
4108-0803A-HO	5/13/2009	Radium-226	2.90	4.70	1.30	0.16			
4108-0803A-HO	5/13/2009	Thorium-230	2.80	4.60	5.93	9.30	U		
4108-0803A-HO	5/13/2009	Thorium-232	2.10	3.50	0.95	0.30			

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0803A-HO	5/13/2009	Uranium-238	2.20	4.20	1.32	0.59			
4108-0804A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.27	U		
4108-0804A-HO	5/19/2009	Americium-241	63.00	189.00	0.02	0.06	U		
4108-0804A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0804A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0804A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4108-0804A-HO	5/19/2009	Lead-210	7.40	19.80	0.26	0.54	U		
4108-0804A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.27	5.57	U		
4108-0804A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.01	1.33	U		
4108-0804A-HO	5/19/2009	Radium-226	2.90	4.70	0.51	0.12			
4108-0804A-HO	5/19/2009	Thorium-230	2.80	4.60	0.42	5.53	U		
4108-0804A-HO	5/19/2009	Thorium-232	2.10	3.50	0.31	0.15			
4108-0804A-HO	5/19/2009	Uranium-238	2.20	4.20	0.43	0.33			
4108-0805A-HO	5/19/2009	Actinium-227	4.60	13.61	0.04	0.28	U		
4108-0805A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0805A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0805A-HO	5/19/2009	Cesium-137	3.80	10.62	0.01	0.04	U		
4108-0805A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0805A-HO	5/19/2009	Lead-210	7.40	19.80	0.57	0.66	U		
4108-0805A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	7.17	U		
4108-0805A-HO	5/19/2009	Protactinium-231	4.00	11.81	1.29	1.29	U		
4108-0805A-HO	5/19/2009	Radium-226	2.90	4.70	0.68	0.12			
4108-0805A-HO	5/19/2009	Thorium-230	2.80	4.60	2.88	6.29	U		
4108-0805A-HO	5/19/2009	Thorium-232	2.10	3.50	0.41	0.19			
4108-0805A-HO	5/19/2009	Uranium-238	2.20	4.20	0.53	0.38			
4108-0806A-HO	5/19/2009	Actinium-227	4.60	13.61	0.18	0.24	U		
4108-0806A-HO	5/19/2009	Americium-241	63.00	189.00	0.03	0.06	U		
4108-0806A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
4108-0806A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4108-0806A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.06	U		
4108-0806A-HO	5/19/2009	Lead-210	7.40	19.80	0.47	0.58	U		
4108-0806A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.77	6.49	U		
4108-0806A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.64	U		
4108-0806A-HO	5/19/2009	Radium-226	2.90	4.70	0.48	0.11			
4108-0806A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	6.30	U		
4108-0806A-HO	5/19/2009	Thorium-232	2.10	3.50	0.41	0.19			
4108-0806A-HO	5/19/2009	Uranium-238	2.20	4.20	0.55	0.39			
4108-0807A-HO	5/19/2009	Actinium-227	4.60	13.61	0.12	0.35	U		
4108-0807A-HO	5/19/2009	Americium-241	63.00	189.00	0.04	0.08	U		
4108-0807A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4108-0807A-HO	5/19/2009	Cesium-137	3.80	10.62	0.02	0.05	U		
4108-0807A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.03	0.07	U		
4108-0807A-HO	5/19/2009	Lead-210	7.40	19.80	1.08	0.75			
4108-0807A-HO	5/19/2009	Plutonium-238	55.00	165.13	2.32	7.64	U		
4108-0807A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.87	U		
4108-0807A-HO	5/19/2009	Radium-226	2.90	4.70	0.81	0.12			
4108-0807A-HO	5/19/2009	Thorium-230	2.80	4.60	2.50	7.77	U		
4108-0807A-HO	5/19/2009	Thorium-232	2.10	3.50	0.54	0.26			
4108-0807A-HO	5/19/2009	Uranium-238	2.20	4.20	0.68	0.55			
4108-0808A-HO	5/19/2009	Actinium-227	4.60	13.61	0.16	0.39	U		
4108-0808A-HO	5/19/2009	Americium-241	63.00	189.00	0.03	0.09	U		
4108-0808A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
4108-0808A-HO	5/19/2009	Cesium-137	3.80	10.62	0.08	0.05			
4108-0808A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0808A-HO	5/19/2009	Lead-210	7.40	19.80	1.52	0.85			

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0808A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.03	9.07	U		
4108-0808A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.35	2.04	U		
4108-0808A-HO	5/19/2009	Radium-226	2.90	4.70	1.30	0.13			
4108-0808A-HO	5/19/2009	Thorium-230	2.80	4.60	3.86	8.62	U		
4108-0808A-HO	5/19/2009	Thorium-232	2.10	3.50	0.91	0.21			
4108-0808A-HO	5/19/2009	Uranium-238	2.20	4.20	0.88	0.58			
4108-0809A-HO	5/19/2009	Actinium-227	4.60	13.61	0.02	0.37	U		
4108-0809A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0809A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.03	0.06	U		
4108-0809A-HO	5/19/2009	Cesium-137	3.80	10.62	0.02	0.07	U		
4108-0809A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0809A-HO	5/19/2009	Lead-210	7.40	19.80	0.06	0.84	U		
4108-0809A-HO	5/19/2009	Plutonium-238	55.00	165.13	2.28	8.83	U		
4108-0809A-HO	5/19/2009	Protactinium-231	4.00	11.81	1.24	1.86	U		
4108-0809A-HO	5/19/2009	Radium-226	2.90	4.70	1.14	0.15			
4108-0809A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	8.64	U		
4108-0809A-HO	5/19/2009	Thorium-232	2.10	3.50	0.42	0.29			
4108-0809A-HO	5/19/2009	Uranium-238	2.20	4.20	1.20	0.51			
4108-0810A-HO	5/19/2009	Actinium-227	4.60	13.61	0.10	0.26	U		
4108-0810A-HO	5/19/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4108-0810A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4108-0810A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4108-0810A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4108-0810A-HO	5/19/2009	Lead-210	7.40	19.80	0.50	0.64	U		
4108-0810A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.25	5.93	U		
4108-0810A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.79	U		
4108-0810A-HO	5/19/2009	Radium-226	2.90	4.70	0.75	0.09			
4108-0810A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	6.73	U		
4108-0810A-HO	5/19/2009	Thorium-232	2.10	3.50	0.24	0.20			
4108-0810A-HO	5/19/2009	Uranium-238	2.20	4.20	0.47	0.41			
4108-0811A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4108-0811A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4108-0811A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.02	0.05	U		
4108-0811A-HO	5/19/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4108-0811A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.03	0.05	U		
4108-0811A-HO	5/19/2009	Lead-210	7.40	19.80	1.03	0.72			
4108-0811A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.53	7.57	U		
4108-0811A-HO	5/19/2009	Protactinium-231	4.00	11.81	1.07	1.68	U		
4108-0811A-HO	5/19/2009	Radium-226	2.90	4.70	0.71	0.11			
4108-0811A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	7.06	U		
4108-0811A-HO	5/19/2009	Thorium-232	2.10	3.50	0.52	0.22			
4108-0811A-HO	5/19/2009	Uranium-238	2.20	4.20	0.72	0.46			
4108-0812A-HO	5/19/2009	Actinium-227	4.60	13.61	0.26	0.31	U		
4108-0812A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.08	U		
4108-0812A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.04	0.05	U		
4108-0812A-HO	5/19/2009	Cesium-137	3.80	10.62	0.01	0.05	U		
4108-0812A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.01	0.07	U		
4108-0812A-HO	5/19/2009	Lead-210	7.40	19.80	0.77	0.75			
4108-0812A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.86	7.42	U		
4108-0812A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.15	1.85	U		
4108-0812A-HO	5/19/2009	Radium-226	2.90	4.70	0.63	0.14			
4108-0812A-HO	5/19/2009	Thorium-230	2.80	4.60	1.82	7.57	U		
4108-0812A-HO	5/19/2009	Thorium-232	2.10	3.50	0.38	0.25			
4108-0812A-HO	5/19/2009	Uranium-238	2.20	4.20	0.68	0.49			
4108-0813A-HO	5/19/2009	Actinium-227	4.60	13.61	0.09	0.27	U		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0813A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.07	U		
4108-0813A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.01	0.05	U		
4108-0813A-HO	5/19/2009	Cesium-137	3.80	10.62	0.03	0.04	U		
4108-0813A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.01	0.05	U		
4108-0813A-HO	5/19/2009	Lead-210	7.40	19.80	0.25	0.66	U		
4108-0813A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.01	7.06	U		
4108-0813A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.04	1.78	U		
4108-0813A-HO	5/19/2009	Radium-226	2.90	4.70	0.64	0.16			
4108-0813A-HO	5/19/2009	Thorium-230	2.80	4.60	4.49	6.47	U		
4108-0813A-HO	5/19/2009	Thorium-232	2.10	3.50	0.30	0.20			
4108-0813A-HO	5/19/2009	Uranium-238	2.20	4.20	0.45	0.42			
4108-0814A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4108-0814A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0814A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0814A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4108-0814A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.02	0.07	U		
4108-0814A-HO	5/19/2009	Lead-210	7.40	19.80	1.03	0.84			
4108-0814A-HO	5/19/2009	Plutonium-238	55.00	165.13	4.47	7.72	U		
4108-0814A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.14	U		
4108-0814A-HO	5/19/2009	Radium-226	2.90	4.70	0.77	0.15			
4108-0814A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	8.36	U		
4108-0814A-HO	5/19/2009	Thorium-232	2.10	3.50	0.57	0.23			
4108-0814A-HO	5/19/2009	Uranium-238	2.20	4.20	1.08	0.59			
4108-0815A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.38	U		
4108-0815A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0815A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0815A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4108-0815A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.08	U		
4108-0815A-HO	5/19/2009	Lead-210	7.40	19.80	1.36	0.78			
4108-0815A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.18	8.23	U		
4108-0815A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.23	U		
4108-0815A-HO	5/19/2009	Radium-226	2.90	4.70	0.76	0.16			
4108-0815A-HO	5/19/2009	Thorium-230	2.80	4.60	4.68	8.33	U		
4108-0815A-HO	5/19/2009	Thorium-232	2.10	3.50	0.74	0.26			
4108-0815A-HO	5/19/2009	Uranium-238	2.20	4.20	0.73	0.55			
4108-0816A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.39	U		
4108-0816A-HO	5/19/2009	Americium-241	63.00	189.00	0.02	0.08	U		
4108-0816A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0816A-HO	5/19/2009	Cesium-137	3.80	10.62	0.01	0.06	U		
4108-0816A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.04	0.07	U		
4108-0816A-HO	5/19/2009	Lead-210	7.40	19.80	0.77	0.87	U		
4108-0816A-HO	5/19/2009	Plutonium-238	55.00	165.13	3.66	8.24	U		
4108-0816A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.18	U		
4108-0816A-HO	5/19/2009	Radium-226	2.90	4.70	0.81	0.15			
4108-0816A-HO	5/19/2009	Thorium-230	2.80	4.60	1.87	8.30	U		
4108-0816A-HO	5/19/2009	Thorium-232	2.10	3.50	0.90	0.25			
4108-0816A-HO	5/19/2009	Uranium-238	2.20	4.20	0.55	0.57	U		
4108-0817A-HO	5/19/2009	Actinium-227	4.60	13.61	0.11	0.38	U		
4108-0817A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0817A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.01	0.07	U		
4108-0817A-HO	5/19/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4108-0817A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.04	0.04	U		
4108-0817A-HO	5/19/2009	Lead-210	7.40	19.80	0.69	0.86	U		
4108-0817A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	8.77	U		
4108-0817A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.34	1.95	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0817A-HO	5/19/2009	Radium-226	2.90	4.70	0.81	0.13			
4108-0817A-HO	5/19/2009	Thorium-230	2.80	4.60	1.89	8.57	U		
4108-0817A-HO	5/19/2009	Thorium-232	2.10	3.50	0.95	0.25			
4108-0817A-HO	5/19/2009	Uranium-238	2.20	4.20	0.79	0.54			
4108-0819A-HO	5/13/2009	Actinium-227	4.60	13.61	0.39	0.39	U		
4108-0819A-HO	5/13/2009	Americium-241	63.00	189.00	0.01	0.10	U		
4108-0819A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0819A-HO	5/13/2009	Cesium-137	3.80	10.62	0.04	0.06	U		
4108-0819A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.04	0.08	U		
4108-0819A-HO	5/13/2009	Lead-210	7.40	19.80	0.32	0.93	U		
4108-0819A-HO	5/13/2009	Plutonium-238	55.00	165.13	6.87	8.58	U		
4108-0819A-HO	5/13/2009	Protactinium-231	4.00	11.81	0.35	2.08	U		
4108-0819A-HO	5/13/2009	Radium-226	2.90	4.70	0.69	0.16			
4108-0819A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	9.42	U		
4108-0819A-HO	5/13/2009	Thorium-232	2.10	3.50	0.65	0.30			
4108-0819A-HO	5/13/2009	Uranium-238	2.20	4.20	0.74	0.63			
4108-0820A-HO	5/13/2009	Actinium-227	4.60	13.61	0.06	0.35	U		
4108-0820A-HO	5/13/2009	Americium-241	63.00	189.00	0.03	0.08	U		
4108-0820A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.01	0.06	U		
4108-0820A-HO	5/13/2009	Cesium-137	3.80	10.62	0.03	0.05	U		
4108-0820A-HO	5/13/2009	Cobalt-60	0.70	2.10	0.04	0.04	U		
4108-0820A-HO	5/13/2009	Lead-210	7.40	19.80	0.29	0.79	U		
4108-0820A-HO	5/13/2009	Plutonium-238	55.00	165.13	4.26	6.73	U		
4108-0820A-HO	5/13/2009	Protactinium-231	4.00	11.81	1.50	1.62	U		
4108-0820A-HO	5/13/2009	Radium-226	2.90	4.70	0.69	0.13			
4108-0820A-HO	5/13/2009	Thorium-230	2.80	4.60	0.00	7.67	U		
4108-0820A-HO	5/13/2009	Thorium-232	2.10	3.50	0.56	0.20			
4108-0820A-HO	5/13/2009	Uranium-238	2.20	4.20	0.71	0.49			
4108-0821A-HD	5/19/2009	Actinium-227	4.60	13.61	0.00	0.40	U		
4108-0821A-HD	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0821A-HD	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0821A-HD	5/19/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4108-0821A-HD	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.10	U		
4108-0821A-HD	5/19/2009	Lead-210	7.40	19.80	0.71	0.86	U		
4108-0821A-HD	5/19/2009	Plutonium-238	55.00	165.13	0.22	8.61	U		
4108-0821A-HD	5/19/2009	Protactinium-231	4.00	11.81	0.62	2.12	U		
4108-0821A-HD	5/19/2009	Radium-226	2.90	4.70	0.93	0.16			
4108-0821A-HD	5/19/2009	Thorium-230	2.80	4.60	0.00	8.95	U		
4108-0821A-HD	5/19/2009	Thorium-232	2.10	3.50	0.82	0.25			
4108-0821A-HD	5/19/2009	Uranium-238	2.20	4.20	1.17	0.53			
4108-0821A-HO	5/19/2009	Actinium-227	4.60	13.61	0.04	0.37	U		
4108-0821A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0821A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0821A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0821A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.04	0.07	U		
4108-0821A-HO	5/19/2009	Lead-210	7.40	19.80	1.29	0.75			
4108-0821A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	8.79	U		
4108-0821A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.17	U		
4108-0821A-HO	5/19/2009	Radium-226	2.90	4.70	0.86	0.16			
4108-0821A-HO	5/19/2009	Thorium-230	2.80	4.60	4.00	8.06	U		
4108-0821A-HO	5/19/2009	Thorium-232	2.10	3.50	0.77	0.25			
4108-0821A-HO	5/19/2009	Uranium-238	2.20	4.20	1.12	0.50			
4108-0822A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.42	U		
4108-0822A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4108-0822A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0822A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.08	U		
4108-0822A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.06	0.06	U		
4108-0822A-HO	5/19/2009	Lead-210	7.40	19.80	0.44	0.91	U		
4108-0822A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	9.18	U		
4108-0822A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.43	U		
4108-0822A-HO	5/19/2009	Radium-226	2.90	4.70	1.05	0.14			
4108-0822A-HO	5/19/2009	Thorium-230	2.80	4.60	0.95	8.86	U		
4108-0822A-HO	5/19/2009	Thorium-232	2.10	3.50	0.69	0.29			
4108-0822A-HO	5/19/2009	Uranium-238	2.20	4.20	1.42	0.54			
4108-0823A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.23	U		
4108-0823A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.05	U		
4108-0823A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.02	0.03	U		
4108-0823A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.03	U		
4108-0823A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.05	U		
4108-0823A-HO	5/19/2009	Lead-210	7.40	19.80	0.06	0.50	U		
4108-0823A-HO	5/19/2009	Plutonium-238	55.00	165.13	3.82	4.73	U		
4108-0823A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.24	U		
4108-0823A-HO	5/19/2009	Radium-226	2.90	4.70	0.41	0.09			
4108-0823A-HO	5/19/2009	Thorium-230	2.80	4.60	0.90	4.80	U		
4108-0823A-HO	5/19/2009	Thorium-232	2.10	3.50	0.20	0.09			
4108-0823A-HO	5/19/2009	Uranium-238	2.20	4.20	0.44	0.26			
4108-0824A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.18	U		
4108-0824A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.04	U		
4108-0824A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.03	U		
4108-0824A-HO	5/19/2009	Cesium-137	3.80	10.62	0.01	0.02	U		
4108-0824A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.04	U		
4108-0824A-HO	5/19/2009	Lead-210	7.40	19.80	0.28	0.37	U		
4108-0824A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.68	3.77	U		
4108-0824A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.14	U		
4108-0824A-HO	5/19/2009	Radium-226	2.90	4.70	0.20	0.05	U		
4108-0824A-HO	5/19/2009	Thorium-230	2.80	4.60	1.57	3.41	U		
4108-0824A-HO	5/19/2009	Thorium-232	2.10	3.50	0.07	0.14	U		
4108-0824A-HO	5/19/2009	Uranium-238	2.20	4.20	0.19	0.22	U		
4108-0825A-HO	5/19/2009	Actinium-227	4.60	13.61	0.12	0.20	U		
4108-0825A-HO	5/19/2009	Americium-241	63.00	189.00	0.02	0.05	U		
4108-0825A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
4108-0825A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.05	U		
4108-0825A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4108-0825A-HO	5/19/2009	Lead-210	7.40	19.80	0.48	0.45			
4108-0825A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.52	5.16	U		
4108-0825A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.16	1.24	U		
4108-0825A-HO	5/19/2009	Radium-226	2.90	4.70	0.37	0.09			
4108-0825A-HO	5/19/2009	Thorium-230	2.80	4.60	1.28	4.51	U		
4108-0825A-HO	5/19/2009	Thorium-232	2.10	3.50	0.31	0.12			
4108-0825A-HO	5/19/2009	Uranium-238	2.20	4.20	0.36	0.29			
4108-0826A-HO	5/19/2009	Actinium-227	4.60	13.61	0.09	0.33	U		
4108-0826A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.09	U		
4108-0826A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0826A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0826A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
4108-0826A-HO	5/19/2009	Lead-210	7.40	19.80	0.82	0.69			
4108-0826A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.08	7.41	U		
4108-0826A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.62	1.79	U		
4108-0826A-HO	5/19/2009	Radium-226	2.90	4.70	0.81	0.13			
4108-0826A-HO	5/19/2009	Thorium-230	2.80	4.60	1.70	7.44	U		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0826A-HO	5/19/2009	Thorium-232	2.10	3.50	0.66	0.24			
4108-0826A-HO	5/19/2009	Uranium-238	2.20	4.20	0.06	0.51	U		
4108-0827A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.42	U		
4108-0827A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.10	U		
4108-0827A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.07	U		
4108-0827A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.07	U		
4108-0827A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.00	0.11	U		
4108-0827A-HO	5/19/2009	Lead-210	7.40	19.80	0.85	0.93	U		
4108-0827A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	9.74	U		
4108-0827A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	2.26	U		
4108-0827A-HO	5/19/2009	Radium-226	2.90	4.70	1.04	0.17			
4108-0827A-HO	5/19/2009	Thorium-230	2.80	4.60	2.47	9.41	U		
4108-0827A-HO	5/19/2009	Thorium-232	2.10	3.50	0.95	0.23			
4108-0827A-HO	5/19/2009	Uranium-238	2.20	4.20	1.14	0.58			
4108-0828A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.34	U		
4108-0828A-HO	5/19/2009	Americium-241	63.00	189.00	0.01	0.08	U		
4108-0828A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0828A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
4108-0828A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.02	0.05	U		
4108-0828A-HO	5/19/2009	Lead-210	7.40	19.80	0.40	0.78	U		
4108-0828A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.07	7.23	U		
4108-0828A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.16	1.82	U		
4108-0828A-HO	5/19/2009	Radium-226	2.90	4.70	0.86	0.12			
4108-0828A-HO	5/19/2009	Thorium-230	2.80	4.60	4.78	7.06	U		
4108-0828A-HO	5/19/2009	Thorium-232	2.10	3.50	0.60	0.17			
4108-0828A-HO	5/19/2009	Uranium-238	2.20	4.20	1.09	0.46			
4108-0829A-HO	5/19/2009	Actinium-227	4.60	13.61	0.00	0.33	U		
4108-0829A-HO	5/19/2009	Americium-241	63.00	189.00	0.01	0.07	U		
4108-0829A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0829A-HO	5/19/2009	Cesium-137	3.80	10.62	0.04	0.05	U		
4108-0829A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.01	0.06	U		
4108-0829A-HO	5/19/2009	Lead-210	7.40	19.80	1.06	0.65			
4108-0829A-HO	5/19/2009	Plutonium-238	55.00	165.13	0.00	7.19	U		
4108-0829A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.81	U		
4108-0829A-HO	5/19/2009	Radium-226	2.90	4.70	0.81	0.12			
4108-0829A-HO	5/19/2009	Thorium-230	2.80	4.60	1.93	6.72	U		
4108-0829A-HO	5/19/2009	Thorium-232	2.10	3.50	0.44	0.21			
4108-0829A-HO	5/19/2009	Uranium-238	2.20	4.20	0.80	0.43			
4108-0830A-HO	5/19/2009	Actinium-227	4.60	13.61	0.09	0.22	U		
4108-0830A-HO	5/19/2009	Americium-241	63.00	189.00	0.00	0.05	U		
4108-0830A-HO	5/19/2009	Bismuth-210M	8.30	24.90	0.02	0.03	U		
4108-0830A-HO	5/19/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
4108-0830A-HO	5/19/2009	Cobalt-60	0.70	2.10	0.01	0.04	U		
4108-0830A-HO	5/19/2009	Lead-210	7.40	19.80	0.48	0.54	U		
4108-0830A-HO	5/19/2009	Plutonium-238	55.00	165.13	1.96	5.05	U		
4108-0830A-HO	5/19/2009	Protactinium-231	4.00	11.81	0.00	1.30	U		
4108-0830A-HO	5/19/2009	Radium-226	2.90	4.70	0.40	0.08			
4108-0830A-HO	5/19/2009	Thorium-230	2.80	4.60	0.00	5.03	U		
4108-0830A-HO	5/19/2009	Thorium-232	2.10	3.50	0.24	0.10			
4108-0830A-HO	5/19/2009	Uranium-238	2.20	4.20	0.33	0.30			
CO	Cleanup Objective								
HS	Hot Spot Criteria								

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
A-HO	Hot Spot Original								
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit								

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0731A-HO	5/13/2009	Actinium 227	4.60	13.61	-0.22	0.49	U		
4108-0731A-HO	5/13/2009	Actinium 228	1.93	5.80	0.31	0.19			
4108-0731A-HO	5/13/2009	Americium 241	63.00	189.00	0.023	0.15	U		
4108-0731A-HO	5/13/2009	Bismuth 214	1.17	3.51	0.51	0.11			
4108-0731A-HO	5/13/2009	Bismuth-207	1.20	3.60	0.004	0.052	U		
4108-0731A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.0007	0.077	U		
4108-0731A-HO	5/13/2009	Cesium 137	3.80	10.62	0.008	0.057	U		
4108-0731A-HO	5/13/2009	Cobalt 60	0.70	2.10	-0.005	0.067	U		
4108-0731A-HO	5/13/2009	Lead 210	7.40	19.80	0.56	1.6	U		
4108-0731A-HO	5/13/2009	Lead 212	16.60	49.80	0.407	0.095			
4108-0731A-HO	5/13/2009	Lead 214	8.92	26.80	0.46	0.13			
4108-0731A-HO	5/13/2009	Plutonium 238	55.00	165.13	0.063	0.007			
4108-0731A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	0.0019	0.0052	U		
4108-0731A-HO	5/13/2009	Protactinium 231	4.00	11.81	-0.14	1.3	U		
4108-0731A-HO	5/13/2009	Radium (226)	2.90	4.70	0.51	0.11			
4108-0731A-HO	5/13/2009	Thorium 228	2.60	4.80	0.34	0.08			
4108-0731A-HO	5/13/2009	Thorium 229	5.06	15.20	0	0.8	U		
4108-0731A-HO	5/13/2009	Thorium 230	2.80	4.60	0.72	0.1			
4108-0731A-HO	5/13/2009	Thorium 232	2.10	3.50	0.41	0.09			
4108-0731A-HO	5/13/2009	Uranium 233/234	2.00	14.50	0.52	0.06			
4108-0731A-HO	5/13/2009	Uranium 235	3.10	9.29	0.1	0.34	U		
4108-0731A-HO	5/13/2009	Uranium 235	3.10	9.29	0.077	0.055	J		
4108-0731A-HO	5/13/2009	Uranium 238	2.2	4.2	0.58	1.4	U		
4108-0731A-HO	5/13/2009	Uranium 238	2.2	4.2	0.47	0.02			
4108-0742A-HO	5/13/2009	Actinium 227	4.60	13.61	-0.36	0.61	U		
4108-0742A-HO	5/13/2009	Actinium 228	1.93	5.80	1.5	0.17			
4108-0742A-HO	5/13/2009	Americium 241	63.00	189.00	0.02	0.18	U		
4108-0742A-HO	5/13/2009	Bismuth 214	1.17	3.51	1.12	0.13			
4108-0742A-HO	5/13/2009	Bismuth-207	1.20	3.60	0.005	0.075	U		
4108-0742A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.026	0.077	U		
4108-0742A-HO	5/13/2009	Cesium 137	3.80	10.62	-0.02	0.083	U		
4108-0742A-HO	5/13/2009	Cobalt 60	0.70	2.10	-0.017	0.12	U		
4108-0742A-HO	5/13/2009	Lead 210	7.40	19.80	1.2	2	U		
4108-0742A-HO	5/13/2009	Lead 212	16.60	49.80	1.23	0.12			
4108-0742A-HO	5/13/2009	Lead 214	8.92	26.80	1.05	0.11			
4108-0742A-HO	5/13/2009	Plutonium 238	55.00	165.13	0.039	0.007			
4108-0742A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	0	0.018	U		
4108-0742A-HO	5/13/2009	Protactinium 231	4.00	11.81	-0.03	1.8	U		
4108-0742A-HO	5/13/2009	Radium (226)	2.90	4.70	1.12	0.13			
4108-0742A-HO	5/13/2009	Thorium 228	2.60	4.80	1.3	0.15			
4108-0742A-HO	5/13/2009	Thorium 229	5.06	15.20	0.03	0.95	U		
4108-0742A-HO	5/13/2009	Thorium 230	2.80	4.60	0.96	0.13			
4108-0742A-HO	5/13/2009	Thorium 232	2.10	3.50	1.07	0.12			
4108-0742A-HO	5/13/2009	Uranium 233/234	2.00	14.50	0.83	0.04			
4108-0742A-HO	5/13/2009	Uranium 235	3.10	9.29	0.11	0.4	U		
4108-0742A-HO	5/13/2009	Uranium 235	3.10	9.29	0.075	0.044	J		
4108-0742A-HO	5/13/2009	Uranium 238	2.2	4.2	1.8	1.8	U		
4108-0742A-HO	5/13/2009	Uranium 238	2.2	4.2	1.02	0.05			
4108-0752A-HO	5/13/2009	Actinium 227	4.60	13.61	-0.21	0.63	U		
4108-0752A-HO	5/13/2009	Actinium 228	1.93	5.80	0.45	0.41			
4108-0752A-HO	5/13/2009	Americium 241	63.00	189.00	0.006	0.22	U		
4108-0752A-HO	5/13/2009	Bismuth 214	1.17	3.51	0.86	0.19			
4108-0752A-HO	5/13/2009	Bismuth-207	1.20	3.60	0.003	0.084	U		
4108-0752A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.038	0.096	U		
4108-0752A-HO	5/13/2009	Cesium 137	3.80	10.62	0.001	0.12	U		
4108-0752A-HO	5/13/2009	Cobalt 60	0.70	2.10	0	0.18	U		
4108-0752A-HO	5/13/2009	Lead 210	7.40	19.80	0.2	2.8	U		
4108-0752A-HO	5/13/2009	Lead 212	16.60	49.80	0.45	0.12			
4108-0752A-HO	5/13/2009	Lead 214	8.92	26.80	0.88	0.14			
4108-0752A-HO	5/13/2009	Plutonium 238	55.00	165.13	0.0053	0.0071	U		
4108-0752A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	0	0.014	U		
4108-0752A-HO	5/13/2009	Protactinium 231	4.00	11.81	0.6	2	U		
4108-0752A-HO	5/13/2009	Radium (226)	2.90	4.70	0.86	0.19			
4108-0752A-HO	5/13/2009	Thorium 228	2.60	4.80	0.56	0.08			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0752A-HO	5/13/2009	Thorium 229	5.06	15.20	0.24	1	U		
4108-0752A-HO	5/13/2009	Thorium 230	2.80	4.60	1.08	0.08			
4108-0752A-HO	5/13/2009	Thorium 232	2.10	3.50	0.6	0.05			
4108-0752A-HO	5/13/2009	Uranium 233/234	2.00	14.50	0.59	0.05			
4108-0752A-HO	5/13/2009	Uranium 235	3.10	9.29	-0.07	0.49	U		
4108-0752A-HO	5/13/2009	Uranium 235	3.10	9.29	0.052	0.05	J		
4108-0752A-HO	5/13/2009	Uranium 238	2.2	4.2	2	1.8			
4108-0752A-HO	5/13/2009	Uranium 238	2.2	4.2	0.66	0.05			
4108-0757A-HO	5/13/2009	Actinium 227	4.60	13.61	-0.2	0.77	U		
4108-0757A-HO	5/13/2009	Actinium 228	1.93	5.80	0.49	0.4			
4108-0757A-HO	5/13/2009	Americium 241	63.00	189.00	0.017	0.17	U		
4108-0757A-HO	5/13/2009	Bismuth 214	1.17	3.51	0.8	0.14			
4108-0757A-HO	5/13/2009	Bismuth-207	1.20	3.60	0.003	0.086	U		
4108-0757A-HO	5/13/2009	Bismuth-210M	8.30	24.90	-0.02	0.12	U		
4108-0757A-HO	5/13/2009	Cesium 137	3.80	10.62	-0.01	0.13	U		
4108-0757A-HO	5/13/2009	Cobalt 60	0.70	2.10	-0.05	0.18	U		
4108-0757A-HO	5/13/2009	Lead 210	7.40	19.80	1.6	2.1	U		
4108-0757A-HO	5/13/2009	Lead 212	16.60	49.80	0.51	0.14			
4108-0757A-HO	5/13/2009	Lead 214	8.92	26.80	0.69	0.15			
4108-0757A-HO	5/13/2009	Plutonium 238	55.00	165.13	0.271	0.051			
4108-0757A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	-0.004	0.042	U		
4108-0757A-HO	5/13/2009	Protactinium 231	4.00	11.81	-0.1	1.9	U		
4108-0757A-HO	5/13/2009	Radium (226)	2.90	4.70	0.8	0.14			
4108-0757A-HO	5/13/2009	Thorium 228	2.60	4.80	0.38	0.07			
4108-0757A-HO	5/13/2009	Thorium 229	5.06	15.20	-0.22	1.3	U		
4108-0757A-HO	5/13/2009	Thorium 230	2.80	4.60	0.81	0.04			
4108-0757A-HO	5/13/2009	Thorium 232	2.10	3.50	0.54	0.04			
4108-0757A-HO	5/13/2009	Uranium 233/234	2.00	14.50	0.57	0.07			
4108-0757A-HO	5/13/2009	Uranium 235	3.10	9.29	-0.11	0.46	U		
4108-0757A-HO	5/13/2009	Uranium 235	3.10	9.29	0.002	0.055	U		
4108-0757A-HO	5/13/2009	Uranium 238	2.2	4.2	0.7	1.8	U		
4108-0757A-HO	5/13/2009	Uranium 238	2.2	4.2	0.78	0.03			
4108-0763A-HO	5/13/2009	Actinium 227	4.60	13.61	0.14	1.6	U		
4108-0763A-HO	5/13/2009	Actinium 228	1.93	5.80	1.66	0.1			
4108-0763A-HO	5/13/2009	Americium 241	63.00	189.00	0.004	0.21	U		
4108-0763A-HO	5/13/2009	Bismuth 214	1.17	3.51	1.02	0.14			
4108-0763A-HO	5/13/2009	Bismuth-207	1.20	3.60	0	0.084	U		
4108-0763A-HO	5/13/2009	Bismuth-210M	8.30	24.90	-0.027	0.12	U		
4108-0763A-HO	5/13/2009	Cesium 137	3.80	10.62	0.001	0.1	U		
4108-0763A-HO	5/13/2009	Cobalt 60	0.70	2.10	0.0006	0.12	U		
4108-0763A-HO	5/13/2009	Lead 210	7.40	19.80	1.1	2.6	U		
4108-0763A-HO	5/13/2009	Lead 212	16.60	49.80	1.24	0.16			
4108-0763A-HO	5/13/2009	Lead 214	8.92	26.80	0.89	0.16			
4108-0763A-HO	5/13/2009	Plutonium 238	55.00	165.13	-0.0019	0.02	U		
4108-0763A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	-0.0019	0.014	U		
4108-0763A-HO	5/13/2009	Protactinium 231	4.00	11.81	-0.9	2.5	U		
4108-0763A-HO	5/13/2009	Radium (226)	2.90	4.70	1.02	0.14			
4108-0763A-HO	5/13/2009	Thorium 228	2.60	4.80	1.26	0.16			
4108-0763A-HO	5/13/2009	Thorium 229	5.06	15.20	0.1	1.3	U		
4108-0763A-HO	5/13/2009	Thorium 230	2.80	4.60	0.9	0.14			
4108-0763A-HO	5/13/2009	Thorium 232	2.10	3.50	1.34	0.12			
4108-0763A-HO	5/13/2009	Uranium 233/234	2.00	14.50	1.22	0.05			
4108-0763A-HO	5/13/2009	Uranium 235	3.10	9.29	0.15	0.5	U		
4108-0763A-HO	5/13/2009	Uranium 235	3.10	9.29	0.02	0.053	U		
4108-0763A-HO	5/13/2009	Uranium 238	2.2	4.2	2.1	2.1			
4108-0763A-HO	5/13/2009	Uranium 238	2.2	4.2	1	0.04			
4108-0772A-HO	5/13/2009	Actinium 227	4.60	13.61	0.07	1.6	U		
4108-0772A-HO	5/13/2009	Actinium 228	1.93	5.80	0.93	0.34			
4108-0772A-HO	5/13/2009	Americium 241	63.00	189.00	-0.04	0.23	U		
4108-0772A-HO	5/13/2009	Bismuth 214	1.17	3.51	0.81	0.07			
4108-0772A-HO	5/13/2009	Bismuth-207	1.20	3.60	-0.0002	0.097	U		
4108-0772A-HO	5/13/2009	Bismuth-210M	8.30	24.90	-0.008	0.15	U		
4108-0772A-HO	5/13/2009	Cesium 137	3.80	10.62	-0.019	0.13	U		
4108-0772A-HO	5/13/2009	Cobalt 60	0.70	2.10	0.003	0.15	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0772A-HO	5/13/2009	Lead 210	7.40	19.80	0.8	2.5	U		
4108-0772A-HO	5/13/2009	Lead 212	16.60	49.80	0.72	0.17			
4108-0772A-HO	5/13/2009	Lead 214	8.92	26.80	0.91	0.19			
4108-0772A-HO	5/13/2009	Plutonium 238	55.00	165.13	0.06	0.007			
4108-0772A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	0	0.0052	U		
4108-0772A-HO	5/13/2009	Protactinium 231	4.00	11.81	-0.6	2.5	U		
4108-0772A-HO	5/13/2009	Radium (226)	2.90	4.70	0.81	0.07			
4108-0772A-HO	5/13/2009	Thorium 228	2.60	4.80	0.75	0.17			
4108-0772A-HO	5/13/2009	Thorium 229	5.06	15.20	-0.16	1.3	U		
4108-0772A-HO	5/13/2009	Thorium 230	2.80	4.60	0.67	0.13			
4108-0772A-HO	5/13/2009	Thorium 232	2.10	3.50	0.77	0.14			
4108-0772A-HO	5/13/2009	Uranium 233/234	2.00	14.50	0.75	0.06			
4108-0772A-HO	5/13/2009	Uranium 235	3.10	9.29	0.1	0.52	U		
4108-0772A-HO	5/13/2009	Uranium 235	3.10	9.29	0.032	0.068	U		
4108-0772A-HO	5/13/2009	Uranium 238	2.2	4.2	1.9	2.2	U		
4108-0772A-HO	5/13/2009	Uranium 238	2.2	4.2	0.84	0.06			
4108-0793A-HO	5/13/2009	Actinium 227	4.60	13.61	-0.21	0.69	U		
4108-0793A-HO	5/13/2009	Actinium 228	1.93	5.80	1.08	0.42			
4108-0793A-HO	5/13/2009	Americium 241	63.00	189.00	0.0009	0.24	U		
4108-0793A-HO	5/13/2009	Bismuth 214	1.17	3.51	0.89	0.19			
4108-0793A-HO	5/13/2009	Bismuth-207	1.20	3.60	0.013	0.079	U		
4108-0793A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.057	0.12	U		
4108-0793A-HO	5/13/2009	Cesium 137	3.80	10.62	0	0.21	U		
4108-0793A-HO	5/13/2009	Cobalt 60	0.70	2.10	0	0.23	U		
4108-0793A-HO	5/13/2009	Lead 210	7.40	19.80	0.3	2.9	U		
4108-0793A-HO	5/13/2009	Lead 212	16.60	49.80	1.06	0.17			
4108-0793A-HO	5/13/2009	Lead 214	8.92	26.80	0.87	0.2			
4108-0793A-HO	5/13/2009	Plutonium 238	55.00	165.13	0.029	0.007			
4108-0793A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	0	0.0052	U		
4108-0793A-HO	5/13/2009	Protactinium 231	4.00	11.81	-0.5	2.7	U		
4108-0793A-HO	5/13/2009	Radium (226)	2.90	4.70	0.89	0.19			
4108-0793A-HO	5/13/2009	Thorium 228	2.60	4.80	0.65	0.1			
4108-0793A-HO	5/13/2009	Thorium 229	5.06	15.20	0.14	1.5	U		
4108-0793A-HO	5/13/2009	Thorium 230	2.80	4.60	0.83	0.11			
4108-0793A-HO	5/13/2009	Thorium 232	2.10	3.50	0.62	0.06			
4108-0793A-HO	5/13/2009	Uranium 233/234	2.00	14.50	0.89	0.04			
4108-0793A-HO	5/13/2009	Uranium 235	3.10	9.29	0.01	0.6	U		
4108-0793A-HO	5/13/2009	Uranium 235	3.10	9.29	0.027	0.025	J		
4108-0793A-HO	5/13/2009	Uranium 238	2.2	4.2	0.07	2.9	U		
4108-0793A-HO	5/13/2009	Uranium 238	2.2	4.2	0.78	0.02			
4108-0797A-HO	5/13/2009	Actinium 227	4.60	13.61	0.03	1.4	U		
4108-0797A-HO	5/13/2009	Actinium 228	1.93	5.80	0.86	0.35			
4108-0797A-HO	5/13/2009	Americium 241	63.00	189.00	-0.03	0.2	U		
4108-0797A-HO	5/13/2009	Bismuth 214	1.17	3.51	0.94	0.17			
4108-0797A-HO	5/13/2009	Bismuth-207	1.20	3.60	0.018	0.075	U		
4108-0797A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.019	0.099	U		
4108-0797A-HO	5/13/2009	Cesium 137	3.80	10.62	-0.02	0.11	U		
4108-0797A-HO	5/13/2009	Cobalt 60	0.70	2.10	-0.008	0.13	U		
4108-0797A-HO	5/13/2009	Lead 210	7.40	19.80	0.6	2.4	U		
4108-0797A-HO	5/13/2009	Lead 212	16.60	49.80	1.23	0.12			
4108-0797A-HO	5/13/2009	Lead 214	8.92	26.80	0.86	0.16			
4108-0797A-HO	5/13/2009	Plutonium 238	55.00	165.13	0	0.0072	U		
4108-0797A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	-0.002	0.018	U		
4108-0797A-HO	5/13/2009	Protactinium 231	4.00	11.81	-0.5	2.5	U		
4108-0797A-HO	5/13/2009	Radium (226)	2.90	4.70	0.94	0.17			
4108-0797A-HO	5/13/2009	Thorium 228	2.60	4.80	0.91	0.1			
4108-0797A-HO	5/13/2009	Thorium 229	5.06	15.20	-0.03	1.3	U		
4108-0797A-HO	5/13/2009	Thorium 230	2.80	4.60	1.08	0.05			
4108-0797A-HO	5/13/2009	Thorium 232	2.10	3.50	1.14	0.05			
4108-0797A-HO	5/13/2009	Uranium 233/234	2.00	14.50	0.71	0.07			
4108-0797A-HO	5/13/2009	Uranium 235	3.10	9.29	-0.05	0.44	U		
4108-0797A-HO	5/13/2009	Uranium 235	3.10	9.29	0.057	0.045	J		
4108-0797A-HO	5/13/2009	Uranium 238	2.2	4.2	0.6	2.1	U		
4108-0797A-HO	5/13/2009	Uranium 238	2.2	4.2	0.85	0.05			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0803A-HO	5/13/2009	Actinium 227	4.60	13.61	-0.16	0.47	U		
4108-0803A-HO	5/13/2009	Actinium 228	1.93	5.80	1.53	0.23			
4108-0803A-HO	5/13/2009	Americium 241	63.00	189.00	0	0.19	U		
4108-0803A-HO	5/13/2009	Bismuth 214	1.17	3.51	1.05	0.15			
4108-0803A-HO	5/13/2009	Bismuth-207	1.20	3.60	-0.011	0.07	U		
4108-0803A-HO	5/13/2009	Bismuth-210M	8.30	24.90	-0.011	0.091	U		
4108-0803A-HO	5/13/2009	Cesium 137	3.80	10.62	0.023	0.079	U		
4108-0803A-HO	5/13/2009	Cobalt 60	0.70	2.10	0.019	0.096	U		
4108-0803A-HO	5/13/2009	Lead 210	7.40	19.80	0.6	2.4	U		
4108-0803A-HO	5/13/2009	Lead 212	16.60	49.80	1.23	0.11			
4108-0803A-HO	5/13/2009	Lead 214	8.92	26.80	1.12	0.14			
4108-0803A-HO	5/13/2009	Plutonium 238	55.00	165.13	0.069	0.028			
4108-0803A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	0.0028	0.021	U		
4108-0803A-HO	5/13/2009	Protactinium 231	4.00	11.81	-0.4	2	U		
4108-0803A-HO	5/13/2009	Radium (226)	2.90	4.70	1.05	0.15			
4108-0803A-HO	5/13/2009	Thorium 228	2.60	4.80	1.42	0.13			
4108-0803A-HO	5/13/2009	Thorium 229	5.06	15.20	0.38	0.86	U		
4108-0803A-HO	5/13/2009	Thorium 230	2.80	4.60	0.98	0.11			
4108-0803A-HO	5/13/2009	Thorium 232	2.10	3.50	1.02	0.07			
4108-0803A-HO	5/13/2009	Uranium 233/234	2.00	14.50	0.83	0.06			
4108-0803A-HO	5/13/2009	Uranium 235	3.10	9.29	0.16	0.39	U		
4108-0803A-HO	5/13/2009	Uranium 235	3.10	9.29	0.036	0.055	U		
4108-0803A-HO	5/13/2009	Uranium 238	2.2	4.2	1.4	1.5	U		
4108-0803A-HO	5/13/2009	Uranium 238	2.2	4.2	1.02	0.04			
4108-0819A-HO	5/13/2009	Actinium 227	4.60	13.61	-0.07	1.2	U		
4108-0819A-HO	5/13/2009	Actinium 228	1.93	5.80	1.5	0.24			
4108-0819A-HO	5/13/2009	Americium 241	63.00	189.00	0.01	0.18	U		
4108-0819A-HO	5/13/2009	Bismuth 214	1.17	3.51	1.1	0.1			
4108-0819A-HO	5/13/2009	Bismuth-207	1.20	3.60	0.016	0.057	U		
4108-0819A-HO	5/13/2009	Bismuth-210M	8.30	24.90	-0.002	0.084	U		
4108-0819A-HO	5/13/2009	Cesium 137	3.80	10.62	0.022	0.062	U		
4108-0819A-HO	5/13/2009	Cobalt 60	0.70	2.10	0.023	0.1	U		
4108-0819A-HO	5/13/2009	Lead 210	7.40	19.80	0.4	2.3	U		
4108-0819A-HO	5/13/2009	Lead 212	16.60	49.80	1.11	0.12			
4108-0819A-HO	5/13/2009	Lead 214	8.92	26.80	1.12	0.11			
4108-0819A-HO	5/13/2009	Plutonium 238	55.00	165.13	0.0106	0.0072	J		
4108-0819A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	0	0.0053	U		
4108-0819A-HO	5/13/2009	Protactinium 231	4.00	11.81	-0.5	2	U		
4108-0819A-HO	5/13/2009	Radium (226)	2.90	4.70	1.1	0.1			
4108-0819A-HO	5/13/2009	Thorium 228	2.60	4.80	1.21	0.09			
4108-0819A-HO	5/13/2009	Thorium 229	5.06	15.20	0	1	U		
4108-0819A-HO	5/13/2009	Thorium 230	2.80	4.60	0.88	0.07			
4108-0819A-HO	5/13/2009	Thorium 232	2.10	3.50	1.15	0.08			
4108-0819A-HO	5/13/2009	Uranium 233/234	2.00	14.50	0.78	0.06			
4108-0819A-HO	5/13/2009	Uranium 235	3.10	9.29	0.25	0.25			
4108-0819A-HO	5/13/2009	Uranium 235	3.10	9.29	0.078	0.026	J		
4108-0819A-HO	5/13/2009	Uranium 238	2.2	4.2	1.2	1.4	U		
4108-0819A-HO	5/13/2009	Uranium 238	2.2	4.2	0.87	0.06			
4108-0820A-HO	5/13/2009	Actinium 227	4.60	13.61	0.03	1.2	U		
4108-0820A-HO	5/13/2009	Actinium 228	1.93	5.80	0.61	0.29			
4108-0820A-HO	5/13/2009	Americium 241	63.00	189.00	-0.04	0.2	U		
4108-0820A-HO	5/13/2009	Bismuth 214	1.17	3.51	0.82	0.09			
4108-0820A-HO	5/13/2009	Bismuth-207	1.20	3.60	-0.009	0.076	U		
4108-0820A-HO	5/13/2009	Bismuth-210M	8.30	24.90	0.015	0.089	U		
4108-0820A-HO	5/13/2009	Cesium 137	3.80	10.62	0	0.12	U		
4108-0820A-HO	5/13/2009	Cobalt 60	0.70	2.10	0	0.12	U		
4108-0820A-HO	5/13/2009	Lead 210	7.40	19.80	0.6	2.3	U		
4108-0820A-HO	5/13/2009	Lead 212	16.60	49.80	0.67	0.11			
4108-0820A-HO	5/13/2009	Lead 214	8.92	26.80	0.84	0.11			
4108-0820A-HO	5/13/2009	Plutonium 238	55.00	165.13	0.026	0.007			
4108-0820A-HO	5/13/2009	Plutonium 239/40	62.00	181.00	-0.0019	0.014	U		
4108-0820A-HO	5/13/2009	Protactinium 231	4.00	11.81	-0.3	2	U		
4108-0820A-HO	5/13/2009	Radium (226)	2.90	4.70	0.82	0.09			
4108-0820A-HO	5/13/2009	Thorium 228	2.60	4.80	0.85	0.1			

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0820A-HO	5/13/2009	Thorium 229	5.06	15.20	-0.3	0.97	U		
4108-0820A-HO	5/13/2009	Thorium 230	2.80	4.60	0.96	0.08			
4108-0820A-HO	5/13/2009	Thorium 232	2.10	3.50	0.78	0.07			
4108-0820A-HO	5/13/2009	Uranium 233/234	2.00	14.50	0.73	0.07			
4108-0820A-HO	5/13/2009	Uranium 235	3.10	9.29	0.16	0.39	U		
4108-0820A-HO	5/13/2009	Uranium 235	3.10	9.29	0.02	0.052	U		
4108-0820A-HO	5/13/2009	Uranium 238	2.2	4.2	1.4	1.6	U		
4108-0820A-HO	5/13/2009	Uranium 238	2.2	4.2	0.59	0.04			

CO	Cleanup Objective
HS	Hot Spot Criteria
A-HO	Hot Spot location - original
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit
J	The associated numerical value is an estimated quantity

3006XXXXXX-1004260001

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0830A-FO	6/16/2009	Actinium 227	4.60	13.61	0.03	1.10	U		
4108-0830A-FO	6/16/2009	Actinium 228	1.93	5.80	0.40	0.37			
4108-0830A-FO	6/16/2009	Americium 241	63.00	189.00	0.00	0.20	U		
4108-0830A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.69	0.14			
4108-0830A-FO	6/16/2009	Bismuth-207	1.20	3.60	0.01	0.06	U		
4108-0830A-FO	6/16/2009	Bismuth-210M	8.30	24.90	-0.02	0.12	U		
4108-0830A-FO	6/16/2009	Cesium 137	3.80	10.62	-0.01	0.10	U		
4108-0830A-FO	6/16/2009	Cobalt 60	0.70	2.10	0.02	0.09	U		
4108-0830A-FO	6/16/2009	Lead 210	7.40	19.80	0.70	2.80	U		
4108-0830A-FO	6/16/2009	Lead 212	16.60	49.80	0.57	0.14			
4108-0830A-FO	6/16/2009	Lead 214	8.92	26.80	0.64	0.16			
4108-0830A-FO	6/16/2009	Plutonium 238	55.00	165.13	0.28	0.15			
4108-0830A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	-0.02	0.12	U		
4108-0830A-FO	6/16/2009	Protactinium 231	4.00	11.81	-0.50	2.10	U		
4108-0830A-FO	6/16/2009	Radium (226)	2.90	4.70	0.69	0.14			
4108-0830A-FO	6/16/2009	Thorium 228	2.60	4.80	0.72	0.14	J		
4108-0830A-FO	6/16/2009	Thorium 229	5.06	15.20	0.28	1.20	U		
4108-0830A-FO	6/16/2009	Thorium 230	2.80	4.60	0.91	0.12	J		
4108-0830A-FO	6/16/2009	Thorium 232	2.10	3.50	0.59	0.05	J		
4108-0830A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.57	0.12	J		
4108-0830A-FO	6/16/2009	Uranium 235	3.10	9.29	0.19	0.42	U		
4108-0830A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.02	0.10	U		
4108-0830A-FO	6/16/2009	Uranium 238	2.2	4.2	0.40	2.30	U		
4108-0830A-FO	6/16/2009	Uranium 238	2.2	4.2	0.58	0.08	J		
4108-0831A-FO	6/16/2009	Actinium 227	4.60	13.61	0.33	0.19			
4108-0831A-FO	6/16/2009	Actinium 228	1.93	5.80	0.29	0.25			
4108-0831A-FO	6/16/2009	Americium 241	63.00	189.00	0.10	0.23	U		
4108-0831A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.53	0.13			
4108-0831A-FO	6/16/2009	Bismuth-207	1.20	3.60	0.00	0.06	U		
4108-0831A-FO	6/16/2009	Bismuth-210M	8.30	24.90	0.00	0.11	U		
4108-0831A-FO	6/16/2009	Cesium 137	3.80	10.62	0.01	0.08	U		
4108-0831A-FO	6/16/2009	Cobalt 60	0.70	2.10	0.01	0.07	U		
4108-0831A-FO	6/16/2009	Lead 210	7.40	19.80	1.70	2.10	U		
4108-0831A-FO	6/16/2009	Lead 212	16.60	49.80	0.57	0.12			
4108-0831A-FO	6/16/2009	Lead 214	8.92	26.80	0.50	0.16			
4108-0831A-FO	6/16/2009	Plutonium 238	55.00	165.13	24.80	0.20			
4108-0831A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	0.10	0.15	U		
4108-0831A-FO	6/16/2009	Protactinium 231	4.00	11.81	-0.03	1.60	U		
4108-0831A-FO	6/16/2009	Radium (226)	2.90	4.70	0.53	0.13			
4108-0831A-FO	6/16/2009	Thorium 228	2.60	4.80	0.24	0.17	J		
4108-0831A-FO	6/16/2009	Thorium 229	5.06	15.20	-0.01	0.93	U		
4108-0831A-FO	6/16/2009	Thorium 230	2.80	4.60	0.90	0.11	J		
4108-0831A-FO	6/16/2009	Thorium 232	2.10	3.50	0.57	0.10	J		
4108-0831A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.35	0.12	J		
4108-0831A-FO	6/16/2009	Uranium 235	3.10	9.29	0.12	0.35	U		
4108-0831A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.00	0.07	U		
4108-0831A-FO	6/16/2009	Uranium 238	2.2	4.2	0.80	2.00	U		
4108-0831A-FO	6/16/2009	Uranium 238	2.2	4.2	0.50	0.09	J		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0832A-FO	6/16/2009	Actinium 227	4.60	13.61	0.10	1.50	U		
4108-0832A-FO	6/16/2009	Actinium 228	1.93	5.80	1.24	0.30			
4108-0832A-FO	6/16/2009	Americium 241	63.00	189.00	-0.02	0.24	U		
4108-0832A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.87	0.18			
4108-0832A-FO	6/16/2009	Bismuth-207	1.20	3.60	-0.03	0.11	U		
4108-0832A-FO	6/16/2009	Bismuth-210M	8.30	24.90	0.00	0.12	U		
4108-0832A-FO	6/16/2009	Cesium 137	3.80	10.62	-0.01	0.13	U		
4108-0832A-FO	6/16/2009	Cobalt 60	0.70	2.10	-0.05	0.20	U		
4108-0832A-FO	6/16/2009	Lead 210	7.40	19.80	-0.20	3.10	U		
4108-0832A-FO	6/16/2009	Lead 212	16.60	49.80	1.13	0.14			
4108-0832A-FO	6/16/2009	Lead 214	8.92	26.80	0.88	0.17			
4108-0832A-FO	6/16/2009	Plutonium 238	55.00	165.13	-0.03	0.17	U		
4108-0832A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	0.01	0.11	U		
4108-0832A-FO	6/16/2009	Protactinium 231	4.00	11.81	0.00	2.40	U		
4108-0832A-FO	6/16/2009	Radium (226)	2.90	4.70	0.87	0.18			
4108-0832A-FO	6/16/2009	Thorium 228	2.60	4.80	0.90	0.20	J		
4108-0832A-FO	6/16/2009	Thorium 229	5.06	15.20	-0.28	1.40	U		
4108-0832A-FO	6/16/2009	Thorium 230	2.80	4.60	1.26	0.13	J		
4108-0832A-FO	6/16/2009	Thorium 232	2.10	3.50	0.79	0.12	J		
4108-0832A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.79	0.13	J		
4108-0832A-FO	6/16/2009	Uranium 235	3.10	9.29	0.07	0.44	U		
4108-0832A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.02	0.11	U		
4108-0832A-FO	6/16/2009	Uranium 238	2.2	4.2	0.80	2.30	U		
4108-0832A-FO	6/16/2009	Uranium 238	2.2	4.2	0.87	0.12	J		
4108-0833A-FO	6/16/2009	Actinium 227	4.60	13.61	0.08	1.30	U		
4108-0833A-FO	6/16/2009	Actinium 228	1.93	5.80	1.02	0.24			
4108-0833A-FO	6/16/2009	Americium 241	63.00	189.00	0.03	0.21	U		
4108-0833A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.78	0.20			
4108-0833A-FO	6/16/2009	Bismuth-207	1.20	3.60	-0.01	0.08	U		
4108-0833A-FO	6/16/2009	Bismuth-210M	8.30	24.90	-0.01	0.13	U		
4108-0833A-FO	6/16/2009	Cesium 137	3.80	10.62	0.01	0.10	U		
4108-0833A-FO	6/16/2009	Cobalt 60	0.70	2.10	0.00	0.09	U		
4108-0833A-FO	6/16/2009	Lead 210	7.40	19.80	0.90	2.70	U		
4108-0833A-FO	6/16/2009	Lead 212	16.60	49.80	0.90	0.15			
4108-0833A-FO	6/16/2009	Lead 214	8.92	26.80	0.82	0.16			
4108-0833A-FO	6/16/2009	Plutonium 238	55.00	165.13	-0.02	0.18	U		
4108-0833A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	0.01	0.12	U		
4108-0833A-FO	6/16/2009	Protactinium 231	4.00	11.81	-0.80	2.30	U		
4108-0833A-FO	6/16/2009	Radium (226)	2.90	4.70	0.78	0.20			
4108-0833A-FO	6/16/2009	Thorium 228	2.60	4.80	0.97	0.27	J		
4108-0833A-FO	6/16/2009	Thorium 229	5.06	15.20	-0.22	1.20	U		
4108-0833A-FO	6/16/2009	Thorium 230	2.80	4.60	1.31	0.21	J		
4108-0833A-FO	6/16/2009	Thorium 232	2.10	3.50	1.03	0.14	J		
4108-0833A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.71	0.10	J		
4108-0833A-FO	6/16/2009	Uranium 235	3.10	9.29	0.13	0.47	U		
4108-0833A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.07	0.11	U		
4108-0833A-FO	6/16/2009	Uranium 238	2.2	4.2	1.20	2.00	U		
4108-0833A-FO	6/16/2009	Uranium 238	2.2	4.2	0.68	0.06	J		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0834A-FO	6/16/2009	Actinium 227	4.60	13.61	-0.01	0.33	U		
4108-0834A-FO	6/16/2009	Actinium 228	1.93	5.80	1.31	0.34			
4108-0834A-FO	6/16/2009	Americium 241	63.00	189.00	0.08	0.21	U		
4108-0834A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.83	0.18			
4108-0834A-FO	6/16/2009	Bismuth-207	1.20	3.60	-0.01	0.07	U		
4108-0834A-FO	6/16/2009	Bismuth-210M	8.30	24.90	0.05	0.09	U		
4108-0834A-FO	6/16/2009	Cesium 137	3.80	10.62	0.03	0.09	U		
4108-0834A-FO	6/16/2009	Cobalt 60	0.70	2.10	0.00	0.10	U		
4108-0834A-FO	6/16/2009	Lead 210	7.40	19.80	1.70	2.40	U		
4108-0834A-FO	6/16/2009	Lead 212	16.60	49.80	1.26	0.13			
4108-0834A-FO	6/16/2009	Lead 214	8.92	26.80	0.91	0.19			
4108-0834A-FO	6/16/2009	Plutonium 238	55.00	165.13	-0.04	0.17	U		
4108-0834A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	0.01	0.09	U		
4108-0834A-FO	6/16/2009	Protactinium 231	4.00	11.81	0.10	2.00	U		
4108-0834A-FO	6/16/2009	Radium (226)	2.90	4.70	0.83	0.18			
4108-0834A-FO	6/16/2009	Thorium 228	2.60	4.80	1.23	0.20	J		
4108-0834A-FO	6/16/2009	Thorium 229	5.06	15.20	0.45	0.83	U		
4108-0834A-FO	6/16/2009	Thorium 230	2.80	4.60	1.05	0.14	J		
4108-0834A-FO	6/16/2009	Thorium 232	2.10	3.50	1.46	0.15	J		
4108-0834A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.71	0.13	J		
4108-0834A-FO	6/16/2009	Uranium 235	3.10	9.29	0.00	0.49	U		
4108-0834A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.00	0.07	U		
4108-0834A-FO	6/16/2009	Uranium 238	2.2	4.2	1.76	2.20	U		
4108-0834A-FO	6/16/2009	Uranium 238	2.2	4.2	1.02	0.06	J		
4108-0835A-FO	6/16/2009	Actinium 227	4.60	13.61	0.01	1.40	U		
4108-0835A-FO	6/16/2009	Actinium 228	1.93	5.80	1.45	0.20			
4108-0835A-FO	6/16/2009	Americium 241	63.00	189.00	-0.06	0.21	U		
4108-0835A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.82	0.20			
4108-0835A-FO	6/16/2009	Bismuth-207	1.20	3.60	-0.03	0.09	U		
4108-0835A-FO	6/16/2009	Bismuth-210M	8.30	24.90	-0.01	0.11	U		
4108-0835A-FO	6/16/2009	Cesium 137	3.80	10.62	0.02	0.09	U		
4108-0835A-FO	6/16/2009	Cobalt 60	0.70	2.10	0.00	0.10	U		
4108-0835A-FO	6/16/2009	Lead 210	7.40	19.80	2.10	2.80	U		
4108-0835A-FO	6/16/2009	Lead 212	16.60	49.80	1.26	0.13			
4108-0835A-FO	6/16/2009	Lead 214	8.92	26.80	1.05	0.14			
4108-0835A-FO	6/16/2009	Plutonium 238	55.00	165.13	0.04	0.13	U		
4108-0835A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	-0.01	0.10	U		
4108-0835A-FO	6/16/2009	Protactinium 231	4.00	11.81	-1.00	2.30	U		
4108-0835A-FO	6/16/2009	Radium (226)	2.90	4.70	0.82	0.20			
4108-0835A-FO	6/16/2009	Thorium 228	2.60	4.80	1.79	0.19	J		
4108-0835A-FO	6/16/2009	Thorium 229	5.06	15.20	0.20	1.00	U		
4108-0835A-FO	6/16/2009	Thorium 230	2.80	4.60	1.59	0.14	J		
4108-0835A-FO	6/16/2009	Thorium 232	2.10	3.50	1.63	0.14	J		
4108-0835A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.69	0.14	J		
4108-0835A-FO	6/16/2009	Uranium 235	3.10	9.29	-0.03	0.50	U		
4108-0835A-FO	6/16/2009	Uranium 235/236	3.10	9.29	-0.01	0.12	U		
4108-0835A-FO	6/16/2009	Uranium 238	2.2	4.2	1.60	1.70	U		
4108-0835A-FO	6/16/2009	Uranium 238	2.2	4.2	0.99	0.10	J		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0836A-FO	6/16/2009	Actinium 227	4.60	13.61	0.00	0.37	U		
4108-0836A-FO	6/16/2009	Actinium 228	1.93	5.80	0.54	0.27			
4108-0836A-FO	6/16/2009	Americium 241	63.00	189.00	0.05	0.15	U		
4108-0836A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.89	0.15			
4108-0836A-FO	6/16/2009	Bismuth-207	1.20	3.60	0.01	0.07	U		
4108-0836A-FO	6/16/2009	Bismuth-210M	8.30	24.90	0.00	0.06	U		
4108-0836A-FO	6/16/2009	Cesium 137	3.80	10.62	0.00	0.09	U		
4108-0836A-FO	6/16/2009	Cobalt 60	0.70	2.10	-0.01	0.10	U		
4108-0836A-FO	6/16/2009	Lead 210	7.40	19.80	1.00	2.50	U		
4108-0836A-FO	6/16/2009	Lead 212	16.60	49.80	0.51	0.11			
4108-0836A-FO	6/16/2009	Lead 214	8.92	26.80	0.85	0.12			
4108-0836A-FO	6/16/2009	Plutonium 238	55.00	165.13	0.27	0.14			
4108-0836A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	0.01	0.11	U		
4108-0836A-FO	6/16/2009	Protactinium 231	4.00	11.81	-0.60	1.70	U		
4108-0836A-FO	6/16/2009	Radium (226)	2.90	4.70	0.89	0.15			
4108-0836A-FO	6/16/2009	Thorium 228	2.60	4.80	0.55	0.11	J		
4108-0836A-FO	6/16/2009	Thorium 229	5.06	15.20	-0.03	0.78	U		
4108-0836A-FO	6/16/2009	Thorium 230	2.80	4.60	1.24	0.14	J		
4108-0836A-FO	6/16/2009	Thorium 232	2.10	3.50	0.58	0.06	J		
4108-0836A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.83	0.15	J		
4108-0836A-FO	6/16/2009	Uranium 235	3.10	9.29	-0.02	0.40	U		
4108-0836A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.02	0.12	U		
4108-0836A-FO	6/16/2009	Uranium 238	2.2	4.2	0.97	1.30	U		
4108-0836A-FO	6/16/2009	Uranium 238	2.2	4.2	0.70	0.09	J		
4108-0837A-FO	6/16/2009	Actinium 227	4.60	13.61	-0.57	0.72	U		
4108-0837A-FO	6/16/2009	Actinium 228	1.93	5.80	0.79	0.25			
4108-0837A-FO	6/16/2009	Americium 241	63.00	189.00	0.06	0.25	U		
4108-0837A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.99	0.16			
4108-0837A-FO	6/16/2009	Bismuth-207	1.20	3.60	0.00	0.08	U		
4108-0837A-FO	6/16/2009	Bismuth-210M	8.30	24.90	0.02	0.10	U		
4108-0837A-FO	6/16/2009	Cesium 137	3.80	10.62	-0.01	0.08	U		
4108-0837A-FO	6/16/2009	Cobalt 60	0.70	2.10	0.00	0.10	U		
4108-0837A-FO	6/16/2009	Lead 210	7.40	19.80	2.00	2.50	U		
4108-0837A-FO	6/16/2009	Lead 212	16.60	49.80	1.04	0.16			
4108-0837A-FO	6/16/2009	Lead 214	8.92	26.80	0.84	0.17			
4108-0837A-FO	6/16/2009	Plutonium 238	55.00	165.13	0.11	0.18	U		
4108-0837A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	0.00	0.09	U		
4108-0837A-FO	6/16/2009	Protactinium 231	4.00	11.81	-0.02	2.10	U		
4108-0837A-FO	6/16/2009	Radium (226)	2.90	4.70	0.99	0.16			
4108-0837A-FO	6/16/2009	Thorium 228	2.60	4.80	1.13	0.20	J		
4108-0837A-FO	6/16/2009	Thorium 229	5.06	15.20	-0.28	1.30	U		
4108-0837A-FO	6/16/2009	Thorium 230	2.80	4.60	1.12	0.18	J		
4108-0837A-FO	6/16/2009	Thorium 232	2.10	3.50	0.98	0.13	J		
4108-0837A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.74	0.19	J		
4108-0837A-FO	6/16/2009	Uranium 235	3.10	9.29	-0.01	0.44	U		
4108-0837A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.02	0.18	U		
4108-0837A-FO	6/16/2009	Uranium 238	2.2	4.2	2.03	2.00			
4108-0837A-FO	6/16/2009	Uranium 238	2.2	4.2	0.83	0.14	J		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0838A-FO	6/16/2009	Actinium 227	4.60	13.61	-0.62	0.91	U		
4108-0838A-FO	6/16/2009	Actinium 228	1.93	5.80	0.75	0.28			
4108-0838A-FO	6/16/2009	Americium 241	63.00	189.00	0.02	0.26	U		
4108-0838A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.79	0.16			
4108-0838A-FO	6/16/2009	Bismuth-207	1.20	3.60	0.00	0.07	U		
4108-0838A-FO	6/16/2009	Bismuth-210M	8.30	24.90	0.01	0.09	U		
4108-0838A-FO	6/16/2009	Cesium 137	3.80	10.62	0.01	0.08	U		
4108-0838A-FO	6/16/2009	Cobalt 60	0.70	2.10	0.01	0.09	U		
4108-0838A-FO	6/16/2009	Lead 210	7.40	19.80	0.50	2.90	U		
4108-0838A-FO	6/16/2009	Lead 212	16.60	49.80	0.73	0.15			
4108-0838A-FO	6/16/2009	Lead 214	8.92	26.80	0.76	0.15			
4108-0838A-FO	6/16/2009	Plutonium 238	55.00	165.13	0.01	0.15	U		
4108-0838A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	-0.02	0.14	U		
4108-0838A-FO	6/16/2009	Protactinium 231	4.00	11.81	0.90	1.70	U		
4108-0838A-FO	6/16/2009	Radium (226)	2.90	4.70	0.79	0.16			
4108-0838A-FO	6/16/2009	Thorium 228	2.60	4.80	0.81	0.22	J		
4108-0838A-FO	6/16/2009	Thorium 229	5.06	15.20	0.11	1.10	U		
4108-0838A-FO	6/16/2009	Thorium 230	2.80	4.60	1.39	0.15	J		
4108-0838A-FO	6/16/2009	Thorium 232	2.10	3.50	0.99	0.14	J		
4108-0838A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.51	0.14	J		
4108-0838A-FO	6/16/2009	Uranium 235	3.10	9.29	-0.02	0.40	U		
4108-0838A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.11	0.13	U		
4108-0838A-FO	6/16/2009	Uranium 238	2.2	4.2	2.00	1.90			
4108-0838A-FO	6/16/2009	Uranium 238	2.2	4.2	0.66	0.15	J		
4108-0839A-FO	6/16/2009	Actinium 227	4.60	13.61	-0.07	1.10	U		
4108-0839A-FO	6/16/2009	Actinium 228	1.93	5.80	0.41	0.31			
4108-0839A-FO	6/16/2009	Americium 241	63.00	189.00	0.04	0.15	U		
4108-0839A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.78	0.09			
4108-0839A-FO	6/16/2009	Bismuth-207	1.20	3.60	0.01	0.06	U		
4108-0839A-FO	6/16/2009	Bismuth-210M	8.30	24.90	-0.02	0.10	U		
4108-0839A-FO	6/16/2009	Cesium 137	3.80	10.62	0.00	0.13	U		
4108-0839A-FO	6/16/2009	Cobalt 60	0.70	2.10	0.00	0.05	U		
4108-0839A-FO	6/16/2009	Lead 210	7.40	19.80	0.30	2.40	U		
4108-0839A-FO	6/16/2009	Lead 212	16.60	49.80	0.45	0.12			
4108-0839A-FO	6/16/2009	Lead 214	8.92	26.80	0.81	0.12			
4108-0839A-FO	6/16/2009	Plutonium 238	55.00	165.13	-0.03	0.17	U		
4108-0839A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	-0.02	0.13	U		
4108-0839A-FO	6/16/2009	Protactinium 231	4.00	11.81	-0.12	1.70	U		
4108-0839A-FO	6/16/2009	Radium (226)	2.90	4.70	0.78	0.09			
4108-0839A-FO	6/16/2009	Thorium 228	2.60	4.80	0.50	0.20	J		
4108-0839A-FO	6/16/2009	Thorium 229	5.06	15.20	-0.11	1.00	U		
4108-0839A-FO	6/16/2009	Thorium 230	2.80	4.60	1.57	0.12	J		
4108-0839A-FO	6/16/2009	Thorium 232	2.10	3.50	0.53	0.11	J		
4108-0839A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.41	0.14	J		
4108-0839A-FO	6/16/2009	Uranium 235	3.10	9.29	0.06	0.42	U		
4108-0839A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.05	0.07	U		
4108-0839A-FO	6/16/2009	Uranium 238	2.2	4.2	0.60	1.70	U		
4108-0839A-FO	6/16/2009	Uranium 238	2.2	4.2	0.64	0.15	J		

3006XXXXXX-1004260001

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0840A-FO	6/16/2009	Actinium 227	4.60	13.61	-0.19	0.59	U		
4108-0840A-FO	6/16/2009	Actinium 228	1.93	5.80	0.82	0.39			
4108-0840A-FO	6/16/2009	Americium 241	63.00	189.00	-0.04	0.25	U		
4108-0840A-FO	6/16/2009	Bismuth 214	1.17	3.51	1.02	0.22			
4108-0840A-FO	6/16/2009	Bismuth-207	1.20	3.60	0.00	0.08	U		
4108-0840A-FO	6/16/2009	Bismuth-210M	8.30	24.90	-0.02	0.13	U		
4108-0840A-FO	6/16/2009	Cesium 137	3.80	10.62	0.00	0.14	U		
4108-0840A-FO	6/16/2009	Cobalt 60	0.70	2.10	0.00	0.14	U		
4108-0840A-FO	6/16/2009	Lead 210	7.40	19.80	2.50	2.70	U		
4108-0840A-FO	6/16/2009	Lead 212	16.60	49.80	0.69	0.17			
4108-0840A-FO	6/16/2009	Lead 214	8.92	26.80	1.02	0.24			
4108-0840A-FO	6/16/2009	Plutonium 238	55.00	165.13	0.00	0.17	U		
4108-0840A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	0.01	0.12	U		
4108-0840A-FO	6/16/2009	Protactinium 231	4.00	11.81	-0.10	2.30	U		
4108-0840A-FO	6/16/2009	Radium (226)	2.90	4.70	1.02	0.22			
4108-0840A-FO	6/16/2009	Thorium 228	2.60	4.80	0.37	0.16	J		
4108-0840A-FO	6/16/2009	Thorium 229	5.06	15.20	-0.17	1.20	U		
4108-0840A-FO	6/16/2009	Thorium 230	2.80	4.60	0.95	0.15	J		
4108-0840A-FO	6/16/2009	Thorium 232	2.10	3.50	0.35	0.11	J		
4108-0840A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.79	0.19	J		
4108-0840A-FO	6/16/2009	Uranium 235	3.10	9.29	-0.10	0.50	U		
4108-0840A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.00	0.11	U		
4108-0840A-FO	6/16/2009	Uranium 238	2.2	4.2	1.69	2.00	U		
4108-0840A-FO	6/16/2009	Uranium 238	2.2	4.2	0.68	0.19	J		
4108-0841A-FO	6/16/2009	Actinium 227	4.60	13.61	0.04	1.30	U		
4108-0841A-FO	6/16/2009	Actinium 228	1.93	5.80	0.75	0.23			
4108-0841A-FO	6/16/2009	Americium 241	63.00	189.00	-0.07	0.22	U		
4108-0841A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.91	0.18			
4108-0841A-FO	6/16/2009	Bismuth-207	1.20	3.60	0.02	0.08	U		
4108-0841A-FO	6/16/2009	Bismuth-210M	8.30	24.90	0.00	0.09	U		
4108-0841A-FO	6/16/2009	Cesium 137	3.80	10.62	-0.02	0.10	U		
4108-0841A-FO	6/16/2009	Cobalt 60	0.70	2.10	0.00	0.13	U		
4108-0841A-FO	6/16/2009	Lead 210	7.40	19.80	1.70	2.40	U		
4108-0841A-FO	6/16/2009	Lead 212	16.60	49.80	0.64	0.16			
4108-0841A-FO	6/16/2009	Lead 214	8.92	26.80	0.93	0.17			
4108-0841A-FO	6/16/2009	Plutonium 238	55.00	165.13	0.02	0.13	U		
4108-0841A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	0.02	0.09	U		
4108-0841A-FO	6/16/2009	Protactinium 231	4.00	11.81	-0.01	2.40	U		
4108-0841A-FO	6/16/2009	Radium (226)	2.90	4.70	0.91	0.18			
4108-0841A-FO	6/16/2009	Thorium 228	2.60	4.80	0.52	0.18	J		
4108-0841A-FO	6/16/2009	Thorium 229	5.06	15.20	-0.19	1.30	U		
4108-0841A-FO	6/16/2009	Thorium 230	2.80	4.60	1.11	0.15	J		
4108-0841A-FO	6/16/2009	Thorium 232	2.10	3.50	0.58	0.15	J		
4108-0841A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.78	0.18	J		
4108-0841A-FO	6/16/2009	Uranium 235	3.10	9.29	-0.05	0.50	U		
4108-0841A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.02	0.11	U		
4108-0841A-FO	6/16/2009	Uranium 238	2.2	4.2	0.70	2.40	U		
4108-0841A-FO	6/16/2009	Uranium 238	2.2	4.2	0.96	0.17	J		

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Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4108-0842A-FO	6/16/2009	Actinium 227	4.60	13.61	-0.27	0.64	U		
4108-0842A-FO	6/16/2009	Actinium 228	1.93	5.80	0.82	0.19			
4108-0842A-FO	6/16/2009	Americium 241	63.00	189.00	0.04	0.17	U		
4108-0842A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.63	0.12			
4108-0842A-FO	6/16/2009	Bismuth-207	1.20	3.60	-0.01	0.08	U		
4108-0842A-FO	6/16/2009	Bismuth-210M	8.30	24.90	-0.02	0.12	U		
4108-0842A-FO	6/16/2009	Cesium 137	3.80	10.62	0.01	0.11	U		
4108-0842A-FO	6/16/2009	Cobalt 60	0.70	2.10	-0.03	0.13	U		
4108-0842A-FO	6/16/2009	Lead 210	7.40	19.80	0.40	2.50	U		
4108-0842A-FO	6/16/2009	Lead 212	16.60	49.80	0.65	0.13			
4108-0842A-FO	6/16/2009	Lead 214	8.92	26.80	0.70	0.14			
4108-0842A-FO	6/16/2009	Plutonium 238	55.00	165.13	0.15	0.15	U		
4108-0842A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	0.00	0.14	U		
4108-0842A-FO	6/16/2009	Protactinium 231	4.00	11.81	0.10	2.00	U		
4108-0842A-FO	6/16/2009	Radium (226)	2.90	4.70	0.63	0.12			
4108-0842A-FO	6/16/2009	Thorium 228	2.60	4.80	1.08	0.18	J		
4108-0842A-FO	6/16/2009	Thorium 229	5.06	15.20	0.10	1.00	U		
4108-0842A-FO	6/16/2009	Thorium 230	2.80	4.60	1.29	0.11	J		
4108-0842A-FO	6/16/2009	Thorium 232	2.10	3.50	0.86	0.13	J		
4108-0842A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.66	0.13	J		
4108-0842A-FO	6/16/2009	Uranium 235	3.10	9.29	0.08	0.33	U		
4108-0842A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.07	0.10	U		
4108-0842A-FO	6/16/2009	Uranium 238	2.2	4.2	0.06	2.00	U		
4108-0842A-FO	6/16/2009	Uranium 238	2.2	4.2	0.69	0.11	J		
4108-0843A-FO	6/16/2009	Actinium 227	4.60	13.61	-0.39	0.66	U		
4108-0843A-FO	6/16/2009	Actinium 228	1.93	5.80	1.22	0.33			
4108-0843A-FO	6/16/2009	Americium 241	63.00	189.00	0.03	0.21	U		
4108-0843A-FO	6/16/2009	Bismuth 214	1.17	3.51	0.93	0.11			
4108-0843A-FO	6/16/2009	Bismuth-207	1.20	3.60	0.02	0.08	U		
4108-0843A-FO	6/16/2009	Bismuth-210M	8.30	24.90	0.00	0.11	U		
4108-0843A-FO	6/16/2009	Cesium 137	3.80	10.62	-0.02	0.11	U		
4108-0843A-FO	6/16/2009	Cobalt 60	0.70	2.10	-0.03	0.15	U		
4108-0843A-FO	6/16/2009	Lead 210	7.40	19.80	1.40	2.70	U		
4108-0843A-FO	6/16/2009	Lead 212	16.60	49.80	1.05	0.13			
4108-0843A-FO	6/16/2009	Lead 214	8.92	26.80	0.91	0.15			
4108-0843A-FO	6/16/2009	Plutonium 238	55.00	165.13	0.05	0.08	U		
4108-0843A-FO	6/16/2009	Plutonium 239/40	62.00	181.00	0.02	0.08	U		
4108-0843A-FO	6/16/2009	Protactinium 231	4.00	11.81	-0.60	2.10	U		
4108-0843A-FO	6/16/2009	Radium (226)	2.90	4.70	0.93	0.11			
4108-0843A-FO	6/16/2009	Thorium 228	2.60	4.80	0.78	0.19	J		
4108-0843A-FO	6/16/2009	Thorium 229	5.06	15.20	0.27	1.00	U		
4108-0843A-FO	6/16/2009	Thorium 230	2.80	4.60	1.29	0.12	J		
4108-0843A-FO	6/16/2009	Thorium 232	2.10	3.50	0.74	0.13	J		
4108-0843A-FO	6/16/2009	Uranium 233/234	2.00	14.50	0.55	0.19	J		
4108-0843A-FO	6/16/2009	Uranium 235	3.10	9.29	0.09	0.41	U		
4108-0843A-FO	6/16/2009	Uranium 235/236	3.10	9.29	0.07	0.11	U		
4108-0843A-FO	6/16/2009	Uranium 238	2.2	4.2	1.05	2.20	U		
4108-0843A-FO	6/16/2009	Uranium 238	2.2	4.2	0.71	0.09	J		

CO	Cleanup Objective
HS	Hot Spot Criteria
A-FO	MARSSIM location - original
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limi
J	The associated numerical value is an estimated quantity

Sample ID	Date Sampled	Analyte	Bkgd pCi/g	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0844A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.00	0.26	U		
4109-0844A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.06	U		
4109-0844A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.04	U		
4109-0844A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.02	0.04	U		
4109-0844A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.02	0.04	U		
4109-0844A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.42	0.54	U		
4109-0844A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.00	5.68	U		
4109-0844A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.39	U		
4109-0844A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.50	0.11			
4109-0844A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	3.44	5.41	U		
4109-0844A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.34	0.17			
4109-0844A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.52	0.37			
4109-0845A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.05	0.26	U		
4109-0845A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.03	0.06	U		
4109-0845A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.04	U		
4109-0845A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
4109-0845A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.04	U		
4109-0845A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.56	0.57	U		
4109-0845A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.54	6.16	U		
4109-0845A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.31	1.32	U		
4109-0845A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.57	0.12			
4109-0845A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	1.05	5.92	U		
4109-0845A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.37	0.18			
4109-0845A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.59	0.36			
4109-0846A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.11	0.21	U		
4109-0846A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.06	U		
4109-0846A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.01	0.04	U		
4109-0846A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.04	U		
4109-0846A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.04	U		
4109-0846A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.48	0.43			
4109-0846A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.00	5.20	U		
4109-0846A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.18	U		
4109-0846A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.35	0.09			
4109-0846A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.00	5.01	U		
4109-0846A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.26	0.18			
4109-0846A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.24	0.33	U		
4109-0847A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.00	0.28	U		
4109-0847A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.04	0.06	U		
4109-0847A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.03	0.05	U		
4109-0847A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.04	U		
4109-0847A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.06	U		
4109-0847A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	1.01	0.55			
4109-0847A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.00	6.24	U		
4109-0847A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.55	U		
4109-0847A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.79	0.08			
4109-0847A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.00	6.45	U		
4109-0847A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.37	0.21			
4109-0847A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.73	0.36			
4109-0848A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.16	0.34	U		
4109-0848A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.09	U		
4109-0848A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.06	U		
4109-0848A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.02	0.04	U		
4109-0848A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.02	0.05	U		
4109-0848A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	1.11	0.73			
4109-0848A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	2.83	7.31	U		
4109-0848A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.95	U		
4109-0848A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.96	0.13			
4109-0848A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	2.42	7.50	U		
4109-0848A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.77	0.18			
4109-0848A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.70	0.48			
4109-0849A-HO	Asphalt	See RSDS								

Sample ID	Date Sampled	Analyte	Bkgd pCi/g	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0850A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.00	0.25	U		
4109-0850A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.06	U		
4109-0850A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.04	U		
4109-0850A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
4109-0850A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.05	U		
4109-0850A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.25	0.52	U		
4109-0850A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.26	5.52	U		
4109-0850A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	1.16	1.31	U		
4109-0850A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.55	0.08			
4109-0850A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	1.14	5.64	U		
4109-0850A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.39	0.18			
4109-0850A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.56	0.34			
4109-0851A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.01	0.19	U		
4109-0851A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.05	U		
4109-0851A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.03	U		
4109-0851A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.03	U		
4109-0851A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.02	0.03	U		
4109-0851A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.42	0.40			
4109-0851A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.77	4.40	U		
4109-0851A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.27	U		
4109-0851A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.34	0.08			
4109-0851A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.00	4.52	U		
4109-0851A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.00	0.17	U		
4109-0851A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.30	0.28			
4109-0852A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.05	0.32	U		
4109-0852A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.02	0.08	U		
4109-0852A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.01	0.05	U		
4109-0852A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
4109-0852A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.01	0.06	U		
4109-0852A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.20	0.68	U		
4109-0852A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	2.44	6.90	U		
4109-0852A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.10	1.72	U		
4109-0852A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.65	0.11			
4109-0852A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.00	7.36	U		
4109-0852A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.64	0.25			
4109-0852A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	1.06	0.44			
4109-0853A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.00	0.26	U		
4109-0853A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.06	U		
4109-0853A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.01	0.04	U		
4109-0853A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.04	U		
4109-0853A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.06	U		
4109-0853A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.67	0.54			
4109-0853A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	3.00	5.83	U		
4109-0853A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.80	1.38	U		
4109-0853A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.61	0.11			
4109-0853A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.00	5.86	U		
4109-0853A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.36	0.16			
4109-0853A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.19	0.40	U		
4109-0854A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.03	0.21	U		
4109-0854A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.05	U		
4109-0854A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.04	U		
4109-0854A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.04	U		
4109-0854A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.05	U		
4109-0854A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.56	0.47			
4109-0854A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.00	5.19	U		
4109-0854A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.16	U		
4109-0854A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.37	0.10			
4109-0854A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	2.77	4.81	U		
4109-0854A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.21	0.19			
4109-0854A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.29	0.32	U		

Sample ID	Date Sampled	Analyte	Bkgd pCi/g	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0855A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.12	0.26	U		
4109-0855A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.07	U		
4109-0855A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.05	U		
4109-0855A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
4109-0855A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.03	0.04	U		
4109-0855A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.93	0.57			
4109-0855A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	2.18	5.97	U		
4109-0855A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.66	1.42	U		
4109-0855A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.55	0.10			
4109-0855A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	1.27	6.08	U		
4109-0855A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.45	0.17			
4109-0855A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.58	0.38			
4109-0856A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.00	0.35	U		
4109-0856A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.08	U		
4109-0856A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.04	0.05	U		
4109-0856A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.06	U		
4109-0856A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.07	U		
4109-0856A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.43	0.75	U		
4109-0856A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	3.48	7.85	U		
4109-0856A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.87	U		
4109-0856A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.68	0.12			
4109-0856A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.00	7.74	U		
4109-0856A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.81	0.20			
4109-0856A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.86	0.45			
4109-0857A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.00	0.30	U		
4109-0857A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.03	0.07	U		
4109-0857A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.05	U		
4109-0857A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.05	U		
4109-0857A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.02	0.03	U		
4109-0857A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.63	0.66	U		
4109-0857A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.00	7.06	U		
4109-0857A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.54	U		
4109-0857A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.95	0.12			
4109-0857A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	2.70	6.22	U		
4109-0857A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.33	0.20			
4109-0857A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.53	0.42			
4109-0858A-HO	Asphalt	See RSDS								
4109-0859A-HO	Asphalt	See RSDS								
4109-0860A-HO	Asphalt	See RSDS								
4109-0861A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.01	0.25	U		
4109-0861A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.01	0.06	U		
4109-0861A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.02	0.04	U		
4109-0861A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.04	U		
4109-0861A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.05	U		
4109-0861A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.23	0.56	U		
4109-0861A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.00	5.59	U		
4109-0861A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.41	U		
4109-0861A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.45	0.10			
4109-0861A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.00	5.34	U		
4109-0861A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.29	0.15			
4109-0861A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.58	0.33			

Sample ID	Date Sampled	Analyte	Bkgd pCi/g	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0862A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.12	0.20	U		
4109-0862A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.05	U		
4109-0862A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.01	0.04	U		
4109-0862A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.04	U		
4109-0862A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.05	U		
4109-0862A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.46	0.48	U		
4109-0862A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.17	4.79	U		
4109-0862A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.44	U		
4109-0862A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.36	0.10			
4109-0862A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.84	5.05	U		
4109-0862A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.31	0.13			
4109-0862A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.35	0.33			
4109-0863A-HO	Asphalt	See RSDS								
4109-0864A-HO	Asphalt	See RSDS								
4109-0865A-HO	Asphalt	See RSDS								
4109-0866A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.09	0.21	U		
4109-0866A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.01	0.06	U		
4109-0866A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.04	U		
4109-0866A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.04	U		
4109-0866A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.05	U		
4109-0866A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.64	0.47			
4109-0866A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	1.39	5.34	U		
4109-0866A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.38	1.25	U		
4109-0866A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.50	0.08			
4109-0866A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.51	5.08	U		
4109-0866A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.14	0.16	U		
4109-0866A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.50	0.32			
4109-0867A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.01	0.23	U		
4109-0867A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.03	0.05	U		
4109-0867A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.01	0.04	U		
4109-0867A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.01	0.04	U		
4109-0867A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.07	U		
4109-0867A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.23	0.52	U		
4109-0867A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.00	5.50	U		
4109-0867A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.34	U		
4109-0867A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.46	0.08			
4109-0867A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.00	5.29	U		
4109-0867A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.38	0.12			
4109-0867A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.46	0.33			
4109-0868A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.00	0.28	U		
4109-0868A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.07	U		
4109-0868A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.02	0.04	U		
4109-0868A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.04	U		
4109-0868A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.03	0.03	U		
4109-0868A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.60	0.54			
4109-0868A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	2.36	5.95	U		
4109-0868A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	1.18	1.27	U		
4109-0868A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.66	0.09			
4109-0868A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	1.31	5.80	U		
4109-0868A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.58	0.15			
4109-0868A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.46	0.40			

Sample ID	Date Sampled	Analyte	Bkgd pCi/g	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0869A-HO	Asphalt	See RSDS								
4109-0870A-HO	Asphalt	See RSDS								
4109-0871A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.00	0.25	U		
4109-0871A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.04	0.06	U		
4109-0871A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.01	0.04	U		
4109-0871A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.04	U		
4109-0871A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.01	0.04	U		
4109-0871A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.43	0.54	U		
4109-0871A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.30	5.67	U		
4109-0871A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.47	U		
4109-0871A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.62	0.11			
4109-0871A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.00	5.74	U		
4109-0871A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.30	0.17			
4109-0871A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.38	0.36			
4109-0872A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.07	0.24	U		
4109-0872A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.02	0.06	U		
4109-0872A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.04	U		
4109-0872A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.04	U		
4109-0872A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.02	0.04	U		
4109-0872A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	0.84	0.48			
4109-0872A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.00	5.87	U		
4109-0872A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.77	1.08	U		
4109-0872A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.63	0.11			
4109-0872A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.00	5.52	U		
4109-0872A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.29	0.12			
4109-0872A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.43	0.34			
4109-0873A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.10	0.30	U		
4109-0873A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.08	U		
4109-0873A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.06	U		
4109-0873A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.00	0.06	U		
4109-0873A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.00	0.07	U		
4109-0873A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	1.21	0.62			
4109-0873A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	0.00	7.41	U		
4109-0873A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.00	1.74	U		
4109-0873A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.86	0.14			
4109-0873A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	0.91	6.52	U		
4109-0873A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.26	0.19			
4109-0873A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.67	0.42			
4109-0874A-HO	6/17/2009	Actinium-227	0.11	4.60	13.61	0.00	0.27	U		
4109-0874A-HO	6/17/2009	Americium-241	ND	63.00	189.00	0.00	0.07	U		
4109-0874A-HO	6/17/2009	Bismuth-210M	ND	8.30	24.90	0.00	0.05	U		
4109-0874A-HO	6/17/2009	Cesium-137	0.42	3.80	10.62	0.01	0.04	U		
4109-0874A-HO	6/17/2009	Cobalt-60	NC	0.70	2.10	0.01	0.04	U		
4109-0874A-HO	6/17/2009	Lead-210	1.20	7.40	19.80	1.28	0.53			
4109-0874A-HO	6/17/2009	Plutonium-238	0.13	55.00	165.13	1.78	5.88	U		
4109-0874A-HO	6/17/2009	Protactinium-231	0.11	4.00	11.81	0.49	1.37	U		
4109-0874A-HO	6/17/2009	Radium-226	2.00	2.90	4.70	0.69	0.09			
4109-0874A-HO	6/17/2009	Thorium-230	1.90	2.80	4.60	1.25	5.85	U		
4109-0874A-HO	6/17/2009	Thorium-232	1.40	2.10	3.50	0.38	0.16			
4109-0874A-HO	6/17/2009	Uranium-238	1.20	2.20	4.20	0.64	0.38			
CO	Cleanup Objective									
HS	Hot Spot Criteria									
A-HO	Hot Spot Original									
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limi									

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0850A-HO	6/17/2009	Actinium 227	4.60	13.61	-0.45	0.72	U		
4109-0850A-HO	6/17/2009	Actinium 228	1.93	5.80	0.64	0.17			
4109-0850A-HO	6/17/2009	Americium 241	63.00	189.00	-0.04	0.20	U		
4109-0850A-HO	6/17/2009	Bismuth 214	1.17	3.51	0.71	0.15			
4109-0850A-HO	6/17/2009	Bismuth-207	1.20	3.60	0.00	0.08	U		
4109-0850A-HO	6/17/2009	Bismuth-210M	8.30	24.90	-0.02	0.09	U		
4109-0850A-HO	6/17/2009	Cesium 137	3.80	10.62	-0.01	0.09	U		
4109-0850A-HO	6/17/2009	Cobalt 60	0.70	2.10	0.00	0.22	U		
4109-0850A-HO	6/17/2009	Lead 210	7.40	19.80	1.20	2.50	U		
4109-0850A-HO	6/17/2009	Lead 212	16.60	49.80	0.57	0.14			
4109-0850A-HO	6/17/2009	Lead 214	8.92	26.80	0.54	0.13			
4109-0850A-HO	6/17/2009	Plutonium 238	55.00	165.13	0.23	0.13			
4109-0850A-HO	6/17/2009	Plutonium 239/40	62.00	181.00	-0.02	0.12	U		
4109-0850A-HO	6/17/2009	Protactinium 231	4.00	11.81	0.39	1.60	U		
4109-0850A-HO	6/17/2009	Radium (226)	2.90	4.70	0.71	0.15			
4109-0850A-HO	6/17/2009	Thorium 228	2.60	4.80	0.70	0.20	J		
4109-0850A-HO	6/17/2009	Thorium 229	5.06	15.20	0.17	1.10	U		
4109-0850A-HO	6/17/2009	Thorium 230	2.80	4.60	0.57	0.11	J		
4109-0850A-HO	6/17/2009	Thorium 232	2.10	3.50	0.61	0.12	J		
4109-0850A-HO	6/17/2009	Uranium 233/234	2.00	14.50	0.40	0.14	J		
4109-0850A-HO	6/17/2009	Uranium 235	3.10	9.29	-0.05	0.40	U		
4109-0850A-HO	6/17/2009	Uranium 235/236	3.10	9.29	0.02	0.12	U		
4109-0850A-HO	6/17/2009	Uranium 238	2.20	4.20	2.00	1.60			
4109-0850A-HO	6/17/2009	Uranium 238	2.2	4.2	0.60	0.11	J		
4109-0851A-HO	6/17/2009	Actinium 227	4.6	13.61	-0.13	0.45	U		
4109-0851A-HO	6/17/2009	Actinium 228	1.93	5.80	0.27	0.26			
4109-0851A-HO	6/17/2009	Americium 241	63.00	189.00	-0.02	0.12	U		
4109-0851A-HO	6/17/2009	Bismuth 214	1.17	3.51	0.53	0.12			
4109-0851A-HO	6/17/2009	Bismuth-207	1.20	3.60	0.00	0.07	U		
4109-0851A-HO	6/17/2009	Bismuth-210M	8.30	24.90	0.01	0.08	U		
4109-0851A-HO	6/17/2009	Cesium 137	3.80	10.62	0.00	0.06	U		
4109-0851A-HO	6/17/2009	Cobalt 60	0.70	2.10	-0.01	0.10	U		
4109-0851A-HO	6/17/2009	Lead 210	7.40	19.80	0.82	1.60	U		
4109-0851A-HO	6/17/2009	Lead 212	16.60	49.80	0.28	0.09			
4109-0851A-HO	6/17/2009	Lead 214	8.92	26.80	0.47	0.11			
4109-0851A-HO	6/17/2009	Plutonium 238	55.00	165.13	0.86	0.13			
4109-0851A-HO	6/17/2009	Plutonium 239/40	62.00	181.00	0.03	0.12	U		
4109-0851A-HO	6/17/2009	Protactinium 231	4.00	11.81	-0.23	1.40	U		
4109-0851A-HO	6/17/2009	Radium (226)	2.90	4.70	0.53	0.12			
4109-0851A-HO	6/17/2009	Thorium 228	2.60	4.80	0.41	0.18	J		
4109-0851A-HO	6/17/2009	Thorium 229	5.06	15.20	-0.05	0.84	U		
4109-0851A-HO	6/17/2009	Thorium 230	2.80	4.60	0.77	0.12	J		
4109-0851A-HO	6/17/2009	Thorium 232	2.10	3.50	0.21	0.11	J		
4109-0851A-HO	6/17/2009	Uranium 233/234	2.00	14.50	0.52	0.19	J		
4109-0851A-HO	6/17/2009	Uranium 235	3.10	9.29	-0.07	0.36	U		
4109-0851A-HO	6/17/2009	Uranium 235/236	3.10	9.29	0.04	0.14	U		
4109-0851A-HO	6/17/2009	Uranium 238	2.20	4.20	0.42	1.30	U		
4109-0851A-HO	6/17/2009	Uranium 238	2.2	4.2	0.35	0.21	J		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0862A-HO	6/17/2009	Actinium 227	4.60	13.61	-0.05	0.37	U		
4109-0862A-HO	6/17/2009	Actinium 228	1.93	5.80	0.40	0.34			
4109-0862A-HO	6/17/2009	Americium 241	63.00	189.00	-0.03	0.15	U		
4109-0862A-HO	6/17/2009	Bismuth 214	1.17	3.51	0.19	0.20	U		
4109-0862A-HO	6/17/2009	Bismuth-207	1.20	3.60	0.00	0.07	U		
4109-0862A-HO	6/17/2009	Bismuth-210M	8.30	24.90	-0.01	0.10	U		
4109-0862A-HO	6/17/2009	Cesium 137	3.80	10.62	0.01	0.10	U		
4109-0862A-HO	6/17/2009	Cobalt 60	0.70	2.10	-0.03	0.20	U		
4109-0862A-HO	6/17/2009	Lead 210	7.40	19.80	1.70	2.20	U		
4109-0862A-HO	6/17/2009	Lead 212	16.60	49.80	0.48	0.09			
4109-0862A-HO	6/17/2009	Lead 214	8.92	26.80	0.53	0.13			
4109-0862A-HO	6/17/2009	Plutonium 238	55.00	165.13	1.03	0.13			
4109-0862A-HO	6/17/2009	Plutonium 239/40	62.00	181.00	0.00	0.14	U		
4109-0862A-HO	6/17/2009	Protactinium 231	4.00	11.81	-0.30	2.00	U		
4109-0862A-HO	6/17/2009	Radium (226)	2.90	4.70	0.19	0.20	U		
4109-0862A-HO	6/17/2009	Thorium 228	2.60	4.80	0.65	0.14	J		
4109-0862A-HO	6/17/2009	Thorium 229	5.06	15.20	0.00	1.20	U		
4109-0862A-HO	6/17/2009	Thorium 230	2.80	4.60	0.98	0.20	J		
4109-0862A-HO	6/17/2009	Thorium 232	2.10	3.50	0.61	0.19	J		
4109-0862A-HO	6/17/2009	Uranium 233/234	2.00	14.50	0.44	0.12	J		
4109-0862A-HO	6/17/2009	Uranium 235	3.10	9.29	0.08	0.32	U		
4109-0862A-HO	6/17/2009	Uranium 235/236	3.10	9.29	0.05	0.07	U		
4109-0862A-HO	6/17/2009	Uranium 238	2.2	4.2	0.03	1.70	U		
4109-0862A-HO	6/17/2009	Uranium 238	2.2	4.2	0.33	0.12	J		

CO	Cleanup Objective
HS	Hot Spot Criteria
A-HO	Hot Spot location - original
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limi
J	The associated numerical value is an estimated quantity

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0875A-FO	6/17/2009	Actinium 227	4.6	13.61	0.05	1.30	U		
4109-0875A-FO	6/17/2009	Actinium 228	1.93	5.8	1.34	0.15			
4109-0875A-FO	6/17/2009	Americium 241	63	189	0.00	0.20	U		
4109-0875A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.77	0.12			
4109-0875A-FO	6/17/2009	Bismuth-207	1.2	3.6	0.00	0.08	U		
4109-0875A-FO	6/17/2009	Bismuth-210M	8.3	24.9	0.01	0.08	U		
4109-0875A-FO	6/17/2009	Cesium 137	3.8	10.62	-0.01	0.10	U		
4109-0875A-FO	6/17/2009	Cobalt 60	0.7	2.1	-0.02	0.13	U		
4109-0875A-FO	6/17/2009	Lead 210	7.4	19.8	1.40	2.10	U		
4109-0875A-FO	6/17/2009	Lead 212	16.6	49.8	1.03	0.11			
4109-0875A-FO	6/17/2009	Lead 214	8.92	26.8	0.77	0.12			
4109-0875A-FO	6/17/2009	Plutonium 238	55	165.13	0.22	0.13			
4109-0875A-FO	6/17/2009	Plutonium 239/40	62	181	0.01	0.13	U		
4109-0875A-FO	6/17/2009	Protactinium 231	4	11.81	-0.40	2.00	U		
4109-0875A-FO	6/17/2009	Radium (226)	2.9	4.7	0.77	0.12			
4109-0875A-FO	6/17/2009	Thorium 228	2.6	4.8	1.14	0.19	J		
4109-0875A-FO	6/17/2009	Thorium 229	5.06	15.2	-0.12	1.00	U		
4109-0875A-FO	6/17/2009	Thorium 230	2.8	4.6	1.21	0.07	J		
4109-0875A-FO	6/17/2009	Thorium 232	2.1	3.5	1.18	0.16	J		
4109-0875A-FO	6/17/2009	Uranium 233/234	2	14.5	0.47	0.16	J		
4109-0875A-FO	6/17/2009	Uranium 235	3.2		0.15	0.39	U		
4109-0875A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.10	0.17	U		
4109-0875A-FO	6/17/2009	Uranium 238	2.2	4.2	0.90	1.80	U		
4109-0875A-FO	6/17/2009	Uranium 238	2.2	4.2	0.60	0.12	J		
4109-0876A-FO	6/17/2009	Actinium 227	4.6	13.61	0.04	1.20	U		
4109-0876A-FO	6/17/2009	Actinium 228	1.93	5.8	1.03	0.11			
4109-0876A-FO	6/17/2009	Americium 241	63	189	-0.01	0.14	U		
4109-0876A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.58	0.15			
4109-0876A-FO	6/17/2009	Bismuth-207	1.2	3.6	0.02	0.07	U		
4109-0876A-FO	6/17/2009	Bismuth-210M	8.3	24.9	0.01	0.09	U		
4109-0876A-FO	6/17/2009	Cesium 137	3.8	10.62	0.00	0.08	U		
4109-0876A-FO	6/17/2009	Cobalt 60	0.7	2.1	-0.02	0.13	U		
4109-0876A-FO	6/17/2009	Lead 210	7.4	19.8	0.20	2.50	U		
4109-0876A-FO	6/17/2009	Lead 212	16.6	49.8	0.62	0.11			
4109-0876A-FO	6/17/2009	Lead 214	8.92	26.8	0.71	0.12			
4109-0876A-FO	6/17/2009	Plutonium 238	55	165.13	0.18	0.17	J		
4109-0876A-FO	6/17/2009	Plutonium 239/40	62	181	-0.01	0.15	U		
4109-0876A-FO	6/17/2009	Protactinium 231	4	11.81	0.94	1.60	U		
4109-0876A-FO	6/17/2009	Radium (226)	2.9	4.7	0.58	0.15			
4109-0876A-FO	6/17/2009	Thorium 228	2.6	4.8	0.91	0.16	J		
4109-0876A-FO	6/17/2009	Thorium 229	5.06	15.2	0.00	1.00	U		
4109-0876A-FO	6/17/2009	Thorium 230	2.8	4.6	0.83	0.17	J		
4109-0876A-FO	6/17/2009	Thorium 232	2.1	3.5	0.95	0.12	J		
4109-0876A-FO	6/17/2009	Uranium 233/234	2	14.5	0.74	0.16	J		
4109-0876A-FO	6/17/2009	Uranium 235	3.2		0.10	0.35	U		
4109-0876A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.12	0.13	U		
4109-0876A-FO	6/17/2009	Uranium 238	2.2	4.2	1.30	1.60	U		
4109-0876A-FO	6/17/2009	Uranium 238	2.2	4.2	0.96	0.15	J		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0877A-FO	6/17/2009	Actinium 227	4.6	13.61	0.14	0.42	U		
4109-0877A-FO	6/17/2009	Actinium 228	1.93	5.8	0.70	0.22			
4109-0877A-FO	6/17/2009	Americium 241	63	189	0.05	0.21	U		
4109-0877A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.88	0.14			
4109-0877A-FO	6/17/2009	Bismuth-207	1.2	3.6	0.01	0.06	U		
4109-0877A-FO	6/17/2009	Bismuth-210M	8.3	24.9	0.00	0.09	U		
4109-0877A-FO	6/17/2009	Cesium 137	3.8	10.62	0.00	0.08	U		
4109-0877A-FO	6/17/2009	Cobalt 60	0.7	2.1	0.00	0.10	U		
4109-0877A-FO	6/17/2009	Lead 210	7.4	19.8	-0.03	2.50	U		
4109-0877A-FO	6/17/2009	Lead 212	16.6	49.8	0.66	0.13			
4109-0877A-FO	6/17/2009	Lead 214	8.92	26.8	0.93	0.14			
4109-0877A-FO	6/17/2009	Plutonium 238	55	165.13	0.24	0.08			
4109-0877A-FO	6/17/2009	Plutonium 239/40	62	181	0.01	0.04	U		
4109-0877A-FO	6/17/2009	Protactinium 231	4	11.81	0.00	2.00	U		
4109-0877A-FO	6/17/2009	Radium (226)	2.9	4.7	0.88	0.14			
4109-0877A-FO	6/17/2009	Thorium 228	2.6	4.8	0.72	0.17	J		
4109-0877A-FO	6/17/2009	Thorium 229	5.06	15.2	0.23	1.00	U		
4109-0877A-FO	6/17/2009	Thorium 230	2.8	4.6	1.09	0.15	J		
4109-0877A-FO	6/17/2009	Thorium 232	2.1	3.5	0.65	0.12	J		
4109-0877A-FO	6/17/2009	Uranium 233/234	2	14.5	0.72	0.13	J		
4109-0877A-FO	6/17/2009	Uranium 235	3.2		0.15	0.38	U		
4109-0877A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.13	0.07	J		
4109-0877A-FO	6/17/2009	Uranium 238	2.2	4.2	0.50	2.10	U		
4109-0877A-FO	6/17/2009	Uranium 238	2.2	4.2	0.64	0.11	J		
4109-0878A-FO	6/17/2009	Actinium 227	4.6	13.61	0.02	0.79	U		
4109-0878A-FO	6/17/2009	Actinium 228	1.93	5.8	0.16	0.32	U		
4109-0878A-FO	6/17/2009	Americium 241	63	189	0.01	0.11	U		
4109-0878A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.33	0.12			
4109-0878A-FO	6/17/2009	Bismuth-207	1.2	3.6	0.01	0.06	U		
4109-0878A-FO	6/17/2009	Bismuth-210M	8.3	24.9	0.00	0.06	U		
4109-0878A-FO	6/17/2009	Cesium 137	3.8	10.62	0.02	0.06	U		
4109-0878A-FO	6/17/2009	Cobalt 60	0.7	2.1	0.00	0.13	U		
4109-0878A-FO	6/17/2009	Lead 210	7.4	19.8	0.70	2.00	U		
4109-0878A-FO	6/17/2009	Lead 212	16.6	49.8	0.30	0.11			
4109-0878A-FO	6/17/2009	Lead 214	8.92	26.8	0.39	0.13			
4109-0878A-FO	6/17/2009	Plutonium 238	55	165.13	0.64	0.15			
4109-0878A-FO	6/17/2009	Plutonium 239/40	62	181	0.02	0.12	U		
4109-0878A-FO	6/17/2009	Protactinium 231	4	11.81	0.02	1.60	U		
4109-0878A-FO	6/17/2009	Radium (226)	2.9	4.7	0.33	0.12			
4109-0878A-FO	6/17/2009	Thorium 228	2.6	4.8	0.62	0.17	J		
4109-0878A-FO	6/17/2009	Thorium 229	5.06	15.2	-0.14	0.99	U		
4109-0878A-FO	6/17/2009	Thorium 230	2.8	4.6	1.19	0.11	J		
4109-0878A-FO	6/17/2009	Thorium 232	2.1	3.5	0.49	0.12	J		
4109-0878A-FO	6/17/2009	Uranium 233/234	2	14.5	0.34	0.12	J		
4109-0878A-FO	6/17/2009	Uranium 235	3.2		0.05	0.26	U		
4109-0878A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.05	0.11	U		
4109-0878A-FO	6/17/2009	Uranium 238	2.2	4.2	0.00	1.20	U		
4109-0878A-FO	6/17/2009	Uranium 238	2.2	4.2	0.41	0.09	J		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0879A-FO	6/17/2009	Actinium 227	4.6	13.61	0.00	0.59	U		
4109-0879A-FO	6/17/2009	Actinium 228	1.93	5.8	0.21	0.27	U		
4109-0879A-FO	6/17/2009	Americium 241	63	189	0.00	0.14	U		
4109-0879A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.25	0.16			
4109-0879A-FO	6/17/2009	Bismuth-207	1.2	3.6	-0.01	0.05	U		
4109-0879A-FO	6/17/2009	Bismuth-210M	8.3	24.9	0.01	0.07	U		
4109-0879A-FO	6/17/2009	Cesium 137	3.8	10.62	0.01	0.08	U		
4109-0879A-FO	6/17/2009	Cobalt 60	0.7	2.1	-0.03	0.10	U		
4109-0879A-FO	6/17/2009	Lead 210	7.4	19.8	-0.20	2.20	U		
4109-0879A-FO	6/17/2009	Lead 212	16.6	49.8	0.22	0.08			
4109-0879A-FO	6/17/2009	Lead 214	8.92	26.8	0.52	0.07			
4109-0879A-FO	6/17/2009	Plutonium 238	55	165.13	0.42	0.05			
4109-0879A-FO	6/17/2009	Plutonium 239/40	62	181	0.01	0.11	U		
4109-0879A-FO	6/17/2009	Protactinium 231	4	11.81	0.03	1.20	U		
4109-0879A-FO	6/17/2009	Radium (226)	2.9	4.7	0.25	0.16			
4109-0879A-FO	6/17/2009	Thorium 228	2.6	4.8	0.45	0.18	J		
4109-0879A-FO	6/17/2009	Thorium 229	5.06	15.2	-0.12	0.68	U		
4109-0879A-FO	6/17/2009	Thorium 230	2.8	4.6	0.62	0.11	J		
4109-0879A-FO	6/17/2009	Thorium 232	2.1	3.5	0.38	0.15	J		
4109-0879A-FO	6/17/2009	Uranium 233/234	2	14.5	0.34	0.12	J		
4109-0879A-FO	6/17/2009	Uranium 235	3.2		-0.08	0.29	U		
4109-0879A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.01	0.13	U		
4109-0879A-FO	6/17/2009	Uranium 238	2.2	4.2	0.44	1.20	U		
4109-0879A-FO	6/17/2009	Uranium 238	2.2	4.2	0.41	0.10	J		
4109-0880A-FO	6/17/2009	Actinium 227	4.6	13.61	-0.03	1.10	U		
4109-0880A-FO	6/17/2009	Actinium 228	1.93	5.8	0.35	0.21			
4109-0880A-FO	6/17/2009	Americium 241	63	189	-0.01	0.17	U		
4109-0880A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.78	0.12			
4109-0880A-FO	6/17/2009	Bismuth-207	1.2	3.6	0.00	0.07	U		
4109-0880A-FO	6/17/2009	Bismuth-210M	8.3	24.9	-0.02	0.09	U		
4109-0880A-FO	6/17/2009	Cesium 137	3.8	10.62	0.00	0.08	U		
4109-0880A-FO	6/17/2009	Cobalt 60	0.7	2.1	-0.02	0.10	U		
4109-0880A-FO	6/17/2009	Lead 210	7.4	19.8	0.70	2.00	U		
4109-0880A-FO	6/17/2009	Lead 212	16.6	49.8	0.38	0.12			
4109-0880A-FO	6/17/2009	Lead 214	8.92	26.8	0.84	0.10			
4109-0880A-FO	6/17/2009	Plutonium 238	55	165.13	0.04	0.09	U		
4109-0880A-FO	6/17/2009	Plutonium 239/40	62	181	-0.01	0.11	U		
4109-0880A-FO	6/17/2009	Protactinium 231	4	11.81	-0.30	1.80	U		
4109-0880A-FO	6/17/2009	Radium (226)	2.9	4.7	0.78	0.12			
4109-0880A-FO	6/17/2009	Thorium 228	2.6	4.8	0.60	0.16	J		
4109-0880A-FO	6/17/2009	Thorium 229	5.06	15.2	0.01	0.66	U		
4109-0880A-FO	6/17/2009	Thorium 230	2.8	4.6	1.33	0.09	J		
4109-0880A-FO	6/17/2009	Thorium 232	2.1	3.5	0.48	0.09	J		
4109-0880A-FO	6/17/2009	Uranium 233/234	2	14.5	0.89	0.14	J		
4109-0880A-FO	6/17/2009	Uranium 235	3.2		-0.14	0.40	U		
4109-0880A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.04	0.10	U		
4109-0880A-FO	6/17/2009	Uranium 238	2.2	4.2	0.96	1.60	U		
4109-0880A-FO	6/17/2009	Uranium 238	2.2	4.2	0.98	0.12	J		
4109-0881A-FO	Asphalt	See RSDS							

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0882A-FO	6/17/2009	Actinium 227	4.6	13.61	-0.06	0.61	U		
4109-0882A-FO	6/17/2009	Actinium 228	1.93	5.8	0.29	0.23			
4109-0882A-FO	6/17/2009	Americium 241	63	189	0.00	0.14	U		
4109-0882A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.23	0.14			
4109-0882A-FO	6/17/2009	Bismuth-207	1.2	3.6	0.01	0.04	U		
4109-0882A-FO	6/17/2009	Bismuth-210M	8.3	24.9	-0.01	0.07	U		
4109-0882A-FO	6/17/2009	Cesium 137	3.8	10.62	0.00	0.07	U		
4109-0882A-FO	6/17/2009	Cobalt 60	0.7	2.1	0.02	0.05	U		
4109-0882A-FO	6/17/2009	Lead 210	7.4	19.8	1.90	1.60	J		
4109-0882A-FO	6/17/2009	Lead 212	16.6	49.8	0.31	0.10			
4109-0882A-FO	6/17/2009	Lead 214	8.92	26.8	0.40	0.11			
4109-0882A-FO	6/17/2009	Plutonium 238	55	165.13	0.61	0.17			
4109-0882A-FO	6/17/2009	Plutonium 239/40	62	181	-0.01	0.11	U		
4109-0882A-FO	6/17/2009	Protactinium 231	4	11.81	0.03	1.30	U		
4109-0882A-FO	6/17/2009	Radium (226)	2.9	4.7	0.23	0.14			
4109-0882A-FO	6/17/2009	Thorium 228	2.6	4.8	0.37	0.15	J		
4109-0882A-FO	6/17/2009	Thorium 229	5.06	15.2	0.17	0.69	U		
4109-0882A-FO	6/17/2009	Thorium 230	2.8	4.6	0.72	0.12	J		
4109-0882A-FO	6/17/2009	Thorium 232	2.1	3.5	0.35	0.13	J		
4109-0882A-FO	6/17/2009	Uranium 233/234	2	14.5	0.52	0.14	J		
4109-0882A-FO	6/17/2009	Uranium 235	3.2		-0.05	0.36	U		
4109-0882A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.05	0.12	U		
4109-0882A-FO	6/17/2009	Uranium 238	2.2	4.2	0.73	1.50	U		
4109-0882A-FO	6/17/2009	Uranium 238	2.2	4.2	0.46	0.13	J		
4109-0883A-FO	6/17/2009	Actinium 227	4.6	13.61	-0.19	0.55	U		
4109-0883A-FO	6/17/2009	Actinium 228	1.93	5.8	0.34	0.20			
4109-0883A-FO	6/17/2009	Americium 241	63	189	0.00	0.11	U		
4109-0883A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.55	0.11			
4109-0883A-FO	6/17/2009	Bismuth-207	1.2	3.6	0.00	0.05	U		
4109-0883A-FO	6/17/2009	Bismuth-210M	8.3	24.9	0.00	0.08	U		
4109-0883A-FO	6/17/2009	Cesium 137	3.8	10.62	0.01	0.05	U		
4109-0883A-FO	6/17/2009	Cobalt 60	0.7	2.1	-0.01	0.13	U		
4109-0883A-FO	6/17/2009	Lead 210	7.4	19.8	0.00	2.00	U		
4109-0883A-FO	6/17/2009	Lead 212	16.6	49.8	0.22	0.10			
4109-0883A-FO	6/17/2009	Lead 214	8.92	26.8	0.42	0.13			
4109-0883A-FO	6/17/2009	Plutonium 238	55	165.13	0.47	0.18			
4109-0883A-FO	6/17/2009	Plutonium 239/40	62	181	0.05	0.12	U		
4109-0883A-FO	6/17/2009	Protactinium 231	4	11.81	-0.03	1.40	U		
4109-0883A-FO	6/17/2009	Radium (226)	2.9	4.7	0.55	0.11			
4109-0883A-FO	6/17/2009	Thorium 228	2.6	4.8	0.36	0.21	J		
4109-0883A-FO	6/17/2009	Thorium 229	5.06	15.2	0.40	0.80	U		
4109-0883A-FO	6/17/2009	Thorium 230	2.8	4.6	0.70	0.16	J		
4109-0883A-FO	6/17/2009	Thorium 232	2.1	3.5	0.40	0.14	J		
4109-0883A-FO	6/17/2009	Uranium 233/234	2	14.5	0.21	0.19	J		
4109-0883A-FO	6/17/2009	Uranium 235	3.2		-0.05	0.30	U		
4109-0883A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.04	0.14	U		
4109-0883A-FO	6/17/2009	Uranium 238	2.2	4.2	0.65	1.30	U		
4109-0883A-FO	6/17/2009	Uranium 238	2.2	4.2	0.44	0.13	J		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0884A-FO	6/17/2009	Actinium 227	4.6	13.61	-0.06	1.40	U		
4109-0884A-FO	6/17/2009	Actinium 228	1.93	5.8	0.73	0.31			
4109-0884A-FO	6/17/2009	Americium 241	63	189	0.06	0.22	U		
4109-0884A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.88	0.18			
4109-0884A-FO	6/17/2009	Bismuth-207	1.2	3.6	0.01	0.08	U		
4109-0884A-FO	6/17/2009	Bismuth-210M	8.3	24.9	0.00	0.12	U		
4109-0884A-FO	6/17/2009	Cesium 137	3.8	10.62	0.04	0.13	U		
4109-0884A-FO	6/17/2009	Cobalt 60	0.7	2.1	-0.02	0.16	U		
4109-0884A-FO	6/17/2009	Lead 210	7.4	19.8	0.50	3.00	U		
4109-0884A-FO	6/17/2009	Lead 212	16.6	49.8	0.79	0.12			
4109-0884A-FO	6/17/2009	Lead 214	8.92	26.8	1.08	0.07			
4109-0884A-FO	6/17/2009	Plutonium 238	55	165.13	0.59	0.17			
4109-0884A-FO	6/17/2009	Plutonium 239/40	62	181	-0.01	0.09	U		
4109-0884A-FO	6/17/2009	Protactinium 231	4	11.81	-0.50	2.50	U		
4109-0884A-FO	6/17/2009	Radium (226)	2.9	4.7	0.88	0.18			
4109-0884A-FO	6/17/2009	Thorium 228	2.6	4.8	1.18	0.11	J		
4109-0884A-FO	6/17/2009	Thorium 229	5.06	15.2	0.46	1.00	U		
4109-0884A-FO	6/17/2009	Thorium 230	2.8	4.6	1.22	0.13	J		
4109-0884A-FO	6/17/2009	Thorium 232	2.1	3.5	0.97	0.13	J		
4109-0884A-FO	6/17/2009	Uranium 233/234	2	14.5	1.05	0.11	J		
4109-0884A-FO	6/17/2009	Uranium 235	3.2		0.03	0.37	U		
4109-0884A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.02	0.11	U		
4109-0884A-FO	6/17/2009	Uranium 238	2.2	4.2	0.40	2.20	U		
4109-0884A-FO	6/17/2009	Uranium 238	2.2	4.2	0.86	0.12	J		
4109-0885A-FO	6/17/2009	Actinium 227	4.6	13.61	0.40	0.18			
4109-0885A-FO	6/17/2009	Actinium 228	1.93	5.8	0.12	0.21	U		
4109-0885A-FO	6/17/2009	Americium 241	63	189	-0.01	0.07	U		
4109-0885A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.08	0.09	U		
4109-0885A-FO	6/17/2009	Bismuth-207	1.2	3.6	0.00	0.04	U		
4109-0885A-FO	6/17/2009	Bismuth-210M	8.3	24.9	-0.01	0.05	U		
4109-0885A-FO	6/17/2009	Cesium 137	3.8	10.62	0.00	0.06	U		
4109-0885A-FO	6/17/2009	Cobalt 60	0.7	2.1	0.00	0.06	U		
4109-0885A-FO	6/17/2009	Lead 210	7.4	19.8	0.21	1.30	U		
4109-0885A-FO	6/17/2009	Lead 214	8.92	26.8	0.25	0.05			
4109-0885A-FO	6/17/2009	Plutonium 238	55	165.13	0.13	0.11	J		
4109-0885A-FO	6/17/2009	Plutonium 239/40	62	181	0.01	0.09	U		
4109-0885A-FO	6/17/2009	Protactinium 231	4	11.81	0.16	0.94	U		
4109-0885A-FO	6/17/2009	Radium (226)	2.9	4.7	0.08	0.09	U		
4109-0885A-FO	6/17/2009	Thorium 228	2.6	4.8	0.21	0.17	J		
4109-0885A-FO	6/17/2009	Thorium 229	5.06	15.2	0.07	0.43	U		
4109-0885A-FO	6/17/2009	Thorium 230	2.8	4.6	0.31	0.17	J		
4109-0885A-FO	6/17/2009	Thorium 232	2.1	3.5	0.11	0.12	U		
4109-0885A-FO	6/17/2009	Uranium 233/234	2	14.5	0.21	0.13	J		
4109-0885A-FO	6/17/2009	Uranium 235	3.2		0.01	0.19	U		
4109-0885A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.03	0.15	U		
4109-0885A-FO	6/17/2009	Uranium 238	2.2	4.2	0.09	0.91	U		
4109-0885A-FO	6/17/2009	Uranium 238	2.2	4.2	0.18	0.13	J		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
4109-0886A-FO	6/17/2009	Actinium 227	4.6	13.61	-0.09	0.35	U		
4109-0886A-FO	6/17/2009	Actinium 228	1.93	5.8	0.37	0.23			
4109-0886A-FO	6/17/2009	Americium 241	63	189	-0.04	0.18	U		
4109-0886A-FO	6/17/2009	Bismuth 214	1.17	3.51	0.86	0.18			
4109-0886A-FO	6/17/2009	Bismuth-207	1.2	3.6	0.01	0.05	U		
4109-0886A-FO	6/17/2009	Bismuth-210M	8.3	24.9	0.03	0.07	U		
4109-0886A-FO	6/17/2009	Cesium 137	3.8	10.62	0.00	0.07	U		
4109-0886A-FO	6/17/2009	Cobalt 60	0.7	2.1	-0.01	0.09	U		
4109-0886A-FO	6/17/2009	Lead 210	7.4	19.8	1.00	2.00	U		
4109-0886A-FO	6/17/2009	Lead 212	16.6	49.8	0.46	0.12			
4109-0886A-FO	6/17/2009	Lead 214	8.92	26.8	0.67	0.17			
4109-0886A-FO	6/17/2009	Plutonium 238	55	165.13	0.25	0.14			
4109-0886A-FO	6/17/2009	Plutonium 239/40	62	181	0.01	0.11	U		
4109-0886A-FO	6/17/2009	Protactinium 231	4	11.81	0.43	1.60	U		
4109-0886A-FO	6/17/2009	Radium (226)	2.9	4.7	0.86	0.18			
4109-0886A-FO	6/17/2009	Thorium 228	2.6	4.8	0.56	0.17	J		
4109-0886A-FO	6/17/2009	Thorium 229	5.06	15.2	-0.05	1.10	U		
4109-0886A-FO	6/17/2009	Thorium 230	2.8	4.6	1.09	0.11	J		
4109-0886A-FO	6/17/2009	Thorium 232	2.1	3.5	0.44	0.11	J		
4109-0886A-FO	6/17/2009	Uranium 233/234	2	14.5	0.67	0.16	J		
4109-0886A-FO	6/17/2009	Uranium 235	3.2		0.01	0.43	U		
4109-0886A-FO	6/17/2009	Uranium 235/236	3.1	9.29	0.08	0.07	J		
4109-0886A-FO	6/17/2009	Uranium 238	2.2	4.2	1.30	1.80	U		
4109-0886A-FO	6/17/2009	Uranium 238	2.2	4.2	0.71	0.12	J		

CO	Cleanup Objective
HS	Hot Spot Criteria
A-HO	Hot Spot location - original
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit
J	The associated numerical value is an estimated quantity

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
441-0282	6/4/2009	Actinium-227	4.60	13.61	0.19	0.24	U		
441-0282	6/4/2009	Americium-241	63.00	189.00	0.00	0.07	U		
441-0282	6/4/2009	Bismuth-210M	8.30	24.90	0.00	0.05	U		
441-0282	6/4/2009	Cesium-137	3.80	10.62	0.00	0.04	U		
441-0282	6/4/2009	Cobalt-60	0.70	2.10	0.00	0.07	U		
441-0282	6/4/2009	Lead-210	7.40	19.80	0.84	0.59			
441-0282	6/4/2009	Plutonium-238	55.00	165.13	0.00	7.05	U		
441-0282	6/4/2009	Protactinium-231	4.00	11.81	0.00	1.63	U		
441-0282	6/4/2009	Radium-226	2.90	4.70	0.74	0.12			
441-0282	6/4/2009	Thorium-230	2.80	4.60	3.55	6.15	U		
441-0282	6/4/2009	Thorium-232	2.10	3.50	0.29	0.17			
441-0282	6/4/2009	Uranium-238	2.20	4.20	0.59	0.40			
441-0283	6/4/2009	Actinium-227	4.60	13.61	0.06	0.20	U		
441-0283	6/4/2009	Americium-241	63.00	189.00	0.00	0.05	U		
441-0283	6/4/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
441-0283	6/4/2009	Cesium-137	3.80	10.62	0.01	0.03	U		
441-0283	6/4/2009	Cobalt-60	0.70	2.10	0.01	0.03	U		
441-0283	6/4/2009	Lead-210	7.40	19.80	0.36	0.49	U		
441-0283	6/4/2009	Plutonium-238	55.00	165.13	0.00	5.08	U		
441-0283	6/4/2009	Protactinium-231	4.00	11.81	0.13	1.22	U		
441-0283	6/4/2009	Radium-226	2.90	4.70	0.33	0.10			
441-0283	6/4/2009	Thorium-230	2.80	4.60	0.00	5.03	U		
441-0283	6/4/2009	Thorium-232	2.10	3.50	0.21	0.11			
441-0283	6/4/2009	Uranium-238	2.20	4.20	0.00	0.34	U		
441-0284	6/4/2009	Actinium-227	4.60	13.61	0.00	0.35	U		
441-0284	6/4/2009	Americium-241	63.00	189.00	0.02	0.08	U		
441-0284	6/4/2009	Bismuth-210M	8.30	24.90	0.02	0.06	U		
441-0284	6/4/2009	Cesium-137	3.80	10.62	0.05	0.05			
441-0284	6/4/2009	Cobalt-60	0.70	2.10	0.07	0.01			
441-0284	6/4/2009	Lead-210	7.40	19.80	0.78	0.74			
441-0284	6/4/2009	Plutonium-238	55.00	165.13	0.00	8.04	U		
441-0284	6/4/2009	Protactinium-231	4.00	11.81	0.00	1.87	U		
441-0284	6/4/2009	Radium-226	2.90	4.70	1.01	0.10			
441-0284	6/4/2009	Thorium-230	2.80	4.60	0.00	7.96	U		
441-0284	6/4/2009	Thorium-232	2.10	3.50	0.58	0.18			
441-0284	6/4/2009	Uranium-238	2.20	4.20	0.73	0.47			
441-0285	6/4/2009	Actinium-227	4.60	13.61	0.04	0.19	U		
441-0285	6/4/2009	Americium-241	63.00	189.00	0.01	0.05	U		
441-0285	6/4/2009	Bismuth-210M	8.30	24.90	0.00	0.04	U		
441-0285	6/4/2009	Cesium-137	3.80	10.62	0.01	0.02	U		
441-0285	6/4/2009	Cobalt-60	0.70	2.10	0.02	0.03	U		
441-0285	6/4/2009	Lead-210	7.40	19.80	0.31	0.47	U		
441-0285	6/4/2009	Plutonium-238	55.00	165.13	1.63	4.73	U		
441-0285	6/4/2009	Protactinium-231	4.00	11.81	0.00	1.43	U		
441-0285	6/4/2009	Radium-226	2.90	4.70	0.28	0.09			
441-0285	6/4/2009	Thorium-230	2.80	4.60	0.00	4.85	U		
441-0285	6/4/2009	Thorium-232	2.10	3.50	0.15	0.15	U		
441-0285	6/4/2009	Uranium-238	2.20	4.20	0.40	0.28			
441-0286	6/4/2009	Actinium-227	4.60	13.61	0.00	0.21	U		
441-0286	6/4/2009	Americium-241	63.00	189.00	0.02	0.05	U		
441-0286	6/4/2009	Bismuth-210M	8.30	24.90	0.01	0.03	U		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag		Greater than CO
441-0286	6/4/2009	Cesium-137	3.80	10.62	0.03	0.03			
441-0286	6/4/2009	Cobalt-60	0.70	2.10	0.01	0.03	U		
441-0286	6/4/2009	Lead-210	7.40	19.80	0.00	0.51	U		
441-0286	6/4/2009	Plutonium-238	55.00	165.13	0.24	4.60	U		
441-0286	6/4/2009	Protactinium-231	4.00	11.81	0.00	1.37	U		
441-0286	6/4/2009	Radium-226	2.90	4.70	0.33	0.09			
441-0286	6/4/2009	Thorium-230	2.80	4.60	0.00	4.72	U		
441-0286	6/4/2009	Thorium-232	2.10	3.50	0.22	0.10			
441-0286	6/4/2009	Uranium-238	2.20	4.20	0.24	0.30	U		
441-0289	6/4/2009	Actinium-227	4.60	13.61	0.14	0.35	U		
441-0289	6/4/2009	Americium-241	63.00	189.00	0.03	0.08	U		
441-0289	6/4/2009	Bismuth-210M	8.30	24.90	0.05	0.06	U		
441-0289	6/4/2009	Cesium-137	3.80	10.62	0.00	0.06	U		
441-0289	6/4/2009	Cobalt-60	0.70	2.10	0.00	0.09	U		
441-0289	6/4/2009	Lead-210	7.40	19.80	0.74	0.84	U		
441-0289	6/4/2009	Plutonium-238	55.00	165.13	0.00	8.17	U		
441-0289	6/4/2009	Protactinium-231	4.00	11.81	0.76	1.88	U		
441-0289	6/4/2009	Radium-226	2.90	4.70	0.64	0.14			
441-0289	6/4/2009	Thorium-230	2.80	4.60	1.45	7.85	U		
441-0289	6/4/2009	Thorium-232	2.10	3.50	0.72	0.28			
441-0289	6/4/2009	Uranium-238	2.20	4.20	0.86	0.49			
CO	Cleanup Objective								
HS	Hot Spot Criteria								
A-HO	Hot Spot Original								
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit								

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0001A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.36	U	
4110-0001A-HO	07/15/08	Americium-241	63	189	0.00	0.08	U	
4110-0001A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0001A-HO	07/15/08	Cesium-137	3.8	10.62	0.00	0.06	U	
4110-0001A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0001A-HO	07/15/08	Lead-210	7.4	19.8	1.20	0.73		
4110-0001A-HO	07/15/08	Plutonium-238	55	165.13	1.60	7.10	U	
4110-0001A-HO	07/15/08	Protactinium-231	4	11.81	0.00	1.73	U	
4110-0001A-HO	07/15/08	Radium-226	2.9	4.7	0.75	0.14		
4110-0001A-HO	07/15/08	Thorium-230	2.8	4.6	0.00	7.92	U	
4110-0001A-HO	07/15/08	Thorium-232	2.1	3.5	0.53	0.20		
4110-0001A-HO	07/15/08	Uranium-238	2.2	4.2	0.89	0.45		
4110-0002A-HO	07/07/08	Actinium-227	4.6	13.61	0.00	0.35	U	
4110-0002A-HO	07/07/08	Americium-241	63	189	0.04	0.08	U	
4110-0002A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.01	0.05	U	
4110-0002A-HO	07/07/08	Cesium-137	3.8	10.62	0.00	0.06	U	
4110-0002A-HO	07/07/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0002A-HO	07/07/08	Lead-210	7.4	19.8	0.82	0.75		
4110-0002A-HO	07/07/08	Plutonium-238	55	165.13	0.68	7.05	U	
4110-0002A-HO	07/07/08	Protactinium-231	4	11.81	0.09	1.81	U	
4110-0002A-HO	07/07/08	Radium-226	2.9	4.7	0.65	0.15		
4110-0002A-HO	07/07/08	Thorium-230	2.8	4.6	0.00	7.89	U	
4110-0002A-HO	07/07/08	Thorium-232	2.1	3.5	0.66	0.16		
4110-0002A-HO	07/07/08	Uranium-238	2.2	4.2	0.87	0.47		
4110-0003A-HO	07/07/08	Actinium-227	4.6	13.61	0.06	0.35	U	
4110-0003A-HO	07/07/08	Americium-241	63	189	0.00	0.09	U	
4110-0003A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0003A-HO	07/07/08	Cesium-137	3.8	10.62	0.09	0.06		
4110-0003A-HO	07/07/08	Cobalt-60	0.7	2.1	0.02	0.05	U	
4110-0003A-HO	07/07/08	Lead-210	7.4	19.8	1.12	0.79		
4110-0003A-HO	07/07/08	Plutonium-238	55	165.13	0.61	8.42	U	
4110-0003A-HO	07/07/08	Protactinium-231	4	11.81	0.27	1.89	U	
4110-0003A-HO	07/07/08	Radium-226	2.9	4.7	0.77	0.11		
4110-0003A-HO	07/07/08	Thorium-230	2.8	4.6	0.50	7.52	U	
4110-0003A-HO	07/07/08	Thorium-232	2.1	3.5	0.39	0.25		
4110-0003A-HO	07/07/08	Uranium-238	2.2	4.2	1.17	0.47		
4110-0004A-HO	07/07/08	Actinium-227	4.6	13.61	0.00	0.34	U	
4110-0004A-HO	07/07/08	Americium-241	63	189	0.01	0.08	U	
4110-0004A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0004A-HO	07/07/08	Cesium-137	3.8	10.62	0.18	0.05		
4110-0004A-HO	07/07/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0004A-HO	07/07/08	Lead-210	7.4	19.8	0.94	0.80		
4110-0004A-HO	07/07/08	Plutonium-238	55	165.13	5.89	9.76	U	
4110-0004A-HO	07/07/08	Protactinium-231	4	11.81	0.00	1.80	U	
4110-0004A-HO	07/07/08	Radium-226	2.9	4.7	0.62	0.12		
4110-0004A-HO	07/07/08	Thorium-230	2.8	4.6	2.50	7.20	U	
4110-0004A-HO	07/07/08	Thorium-232	2.1	3.5	0.67	0.21		
4110-0004A-HO	07/07/08	Uranium-238	2.2	4.2	0.78	0.43		
4110-0005A-HO	07/07/08	Actinium-227	4.6	13.61	0.07	0.35	U	
4110-0005A-HO	07/07/08	Americium-241	63	189	0.01	0.07	U	
4110-0005A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0005A-HO	07/07/08	Cesium-137	3.8	10.62	0.26	0.05		
4110-0005A-HO	07/07/08	Cobalt-60	0.7	2.1	0.01	0.05	U	
4110-0005A-HO	07/07/08	Lead-210	7.4	19.8	1.25	0.73		
4110-0005A-HO	07/07/08	Plutonium-238	55	165.13	4.78	7.70	U	
4110-0005A-HO	07/07/08	Protactinium-231	4	11.81	0.00	1.90	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0005A-HO	07/07/08	Radium-226	2.9	4.7	0.80	0.12		
4110-0005A-HO	07/07/08	Thorium-230	2.8	4.6	0.00	7.29	U	
4110-0005A-HO	07/07/08	Thorium-232	2.1	3.5	0.52	0.17		
4110-0005A-HO	07/07/08	Uranium-238	2.2	4.2	0.82	0.43		
4110-0006A-HO	07/07/08	Actinium-227	4.6	13.61	0.00	0.30	U	
4110-0006A-HO	07/07/08	Americium-241	63	189	0.01	0.07	U	
4110-0006A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.01	0.05	U	
4110-0006A-HO	07/07/08	Cesium-137	3.8	10.62	0.08	0.04		
4110-0006A-HO	07/07/08	Cobalt-60	0.7	2.1	0.02	0.05	U	
4110-0006A-HO	07/07/08	Lead-210	7.4	19.8	1.07	0.60		
4110-0006A-HO	07/07/08	Plutonium-238	55	165.13	5.09	5.63	U	
4110-0006A-HO	07/07/08	Protactinium-231	4	11.81	0.00	1.54	U	
4110-0006A-HO	07/07/08	Radium-226	2.9	4.7	0.60	0.11		
4110-0006A-HO	07/07/08	Thorium-230	2.8	4.6	1.16	6.20	U	
4110-0006A-HO	07/07/08	Thorium-232	2.1	3.5	0.46	0.15		
4110-0006A-HO	07/07/08	Uranium-238	2.2	4.2	0.66	0.37		
4110-0007A-HO	07/07/08	Actinium-227	4.6	13.61	0.00	0.34	U	
4110-0007A-HO	07/07/08	Americium-241	63	189	0.04	0.07	U	
4110-0007A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0007A-HO	07/07/08	Cesium-137	3.8	10.62	0.02	0.05	U	
4110-0007A-HO	07/07/08	Cobalt-60	0.7	2.1	0.01	0.06	U	
4110-0007A-HO	07/07/08	Lead-210	7.4	19.8	0.99	0.68		
4110-0007A-HO	07/07/08	Plutonium-238	55	165.13	0.67	7.42	U	
4110-0007A-HO	07/07/08	Protactinium-231	4	11.81	0.36	1.74	U	
4110-0007A-HO	07/07/08	Radium-226	2.9	4.7	0.69	0.13		
4110-0007A-HO	07/07/08	Thorium-230	2.8	4.6	0.00	7.22	U	
4110-0007A-HO	07/07/08	Thorium-232	2.1	3.5	0.63	0.13		
4110-0007A-HO	07/07/08	Uranium-238	2.2	4.2	1.10	0.43		
4110-0008A-HO	07/07/08	Actinium-227	4.6	13.61	0.00	0.42	U	
4110-0008A-HO	07/07/08	Americium-241	63	189	0.02	0.10	U	
4110-0008A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0008A-HO	07/07/08	Cesium-137	3.8	10.62	0.24	0.08		
4110-0008A-HO	07/07/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0008A-HO	07/07/08	Lead-210	7.4	19.8	1.02	0.94		
4110-0008A-HO	07/07/08	Plutonium-238	55	165.13	4.77	8.99	U	
4110-0008A-HO	07/07/08	Protactinium-231	4	11.81	0.74	1.92	U	
4110-0008A-HO	07/07/08	Radium-226	2.9	4.7	0.66	0.14		
4110-0008A-HO	07/07/08	Thorium-230	2.8	4.6	1.44	8.00	U	
4110-0008A-HO	07/07/08	Thorium-232	2.1	3.5	0.75	0.20		
4110-0008A-HO	07/07/08	Uranium-238	2.2	4.2	0.93	0.50		
4110-0009A-HO	07/07/08	Actinium-227	4.6	13.61	0.00	0.36	U	
4110-0009A-HO	07/07/08	Americium-241	63	189	0.02	0.08	U	
4110-0009A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0009A-HO	07/07/08	Cesium-137	3.8	10.62	0.18	0.07		
4110-0009A-HO	07/07/08	Cobalt-60	0.7	2.1	0.05	0.04		
4110-0009A-HO	07/07/08	Lead-210	7.4	19.8	1.19	0.78		
4110-0009A-HO	07/07/08	Plutonium-238	55	165.13	6.16	7.89	U	
4110-0009A-HO	07/07/08	Protactinium-231	4	11.81	0.39	1.66	U	
4110-0009A-HO	07/07/08	Radium-226	2.9	4.7	0.66	0.11		
4110-0009A-HO	07/07/08	Thorium-230	2.8	4.6	2.64	7.35	U	
4110-0009A-HO	07/07/08	Thorium-232	2.1	3.5	0.50	0.16		
4110-0009A-HO	07/07/08	Uranium-238	2.2	4.2	0.89	0.45		
4110-0010A-HO	07/07/08	Actinium-227	4.6	13.61	0.10	0.26	U	
4110-0010A-HO	07/07/08	Americium-241	63	189	0.06	0.06	U	
4110-0010A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.01	0.05	U	
4110-0010A-HO	07/07/08	Cesium-137	3.8	10.62	0.11	0.05		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0010A-HO	07/07/08	Cobalt-60	0.7	2.1	0.04	0.05	U	
4110-0010A-HO	07/07/08	Lead-210	7.4	19.8	1.20	0.61		
4110-0010A-HO	07/07/08	Plutonium-238	55	165.13	1.33	6.81	U	
4110-0010A-HO	07/07/08	Protactinium-231	4	11.81	0.00	1.63	U	
4110-0010A-HO	07/07/08	Radium-226	2.9	4.7	0.52	0.11		
4110-0010A-HO	07/07/08	Thorium-230	2.8	4.6	4.23	5.95	U	
4110-0010A-HO	07/07/08	Thorium-232	2.1	3.5	0.48	0.18		
4110-0010A-HO	07/07/08	Uranium-238	2.2	4.2	0.76	0.38		
4110-0011A-HO	07/07/08	Actinium-227	4.6	13.61	0.03	0.35	U	
4110-0011A-HO	07/07/08	Americium-241	63	189	0.06	0.08	U	
4110-0011A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0011A-HO	07/07/08	Cesium-137	3.8	10.62	0.10	0.05		
4110-0011A-HO	07/07/08	Cobalt-60	0.7	2.1	0.00	0.08	U	
4110-0011A-HO	07/07/08	Lead-210	7.4	19.8	1.47	0.76		
4110-0011A-HO	07/07/08	Plutonium-238	55	165.13	6.38	9.70	U	
4110-0011A-HO	07/07/08	Protactinium-231	4	11.81	0.05	1.87	U	
4110-0011A-HO	07/07/08	Radium-226	2.9	4.7	0.97	0.12		
4110-0011A-HO	07/07/08	Thorium-230	2.8	4.6	3.80	7.24	U	
4110-0011A-HO	07/07/08	Thorium-232	2.1	3.5	0.75	0.17		
4110-0011A-HO	07/07/08	Uranium-238	2.2	4.2	1.14	0.46		
4110-0012A-HO	07/07/08	Actinium-227	4.6	13.61	0.00	0.29	U	
4110-0012A-HO	07/07/08	Americium-241	63	189	0.02	0.07	U	
4110-0012A-HO	07/07/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0012A-HO	07/07/08	Cesium-137	3.8	10.62	0.06	0.05		
4110-0012A-HO	07/07/08	Cobalt-60	0.7	2.1	0.01	0.06	U	
4110-0012A-HO	07/07/08	Lead-210	7.4	19.8	0.72	0.70		
4110-0012A-HO	07/07/08	Plutonium-238	55	165.13	4.82	6.48	U	
4110-0012A-HO	07/07/08	Protactinium-231	4	11.81	0.56	1.55	U	
4110-0012A-HO	07/07/08	Radium-226	2.9	4.7	0.61	0.10		
4110-0012A-HO	07/07/08	Thorium-230	2.8	4.6	0.00	6.83	U	
4110-0012A-HO	07/07/08	Thorium-232	2.1	3.5	0.48	0.12		
4110-0012A-HO	07/07/08	Uranium-238	2.2	4.2	0.65	0.40		
4110-0013A-HO	07/11/08	Actinium-227	4.6	13.61	0.00	0.30	U	
4110-0013A-HO	07/11/08	Americium-241	63	189	0.00	0.07	U	
4110-0013A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0013A-HO	07/11/08	Cesium-137	3.8	10.62	0.04	0.04		
4110-0013A-HO	07/11/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0013A-HO	07/11/08	Lead-210	7.4	19.8	0.42	0.70	U	
4110-0013A-HO	07/11/08	Plutonium-238	55	165.13	2.13	6.18	U	
4110-0013A-HO	07/11/08	Protactinium-231	4	11.81	0.00	1.51	U	
4110-0013A-HO	07/11/08	Radium-226	2.9	4.7	0.53	0.12		
4110-0013A-HO	07/11/08	Thorium-230	2.8	4.6	0.00	6.72	U	
4110-0013A-HO	07/11/08	Thorium-232	2.1	3.5	0.43	0.19		
4110-0013A-HO	07/11/08	Uranium-238	2.2	4.2	0.73	0.41		
4110-0014A-HO	07/11/08	Actinium-227	4.6	13.61	0.07	0.31	U	
4110-0014A-HO	07/11/08	Americium-241	63	189	0.04	0.07	U	
4110-0014A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.02	0.05	U	
4110-0014A-HO	07/11/08	Cesium-137	3.8	10.62	0.09	0.06		
4110-0014A-HO	07/11/08	Cobalt-60	0.7	2.1	0.01	0.06	U	
4110-0014A-HO	07/11/08	Lead-210	7.4	19.8	0.64	0.70	U	
4110-0014A-HO	07/11/08	Plutonium-238	55	165.13	1.57	6.93	U	
4110-0014A-HO	07/11/08	Protactinium-231	4	11.81	0.00	1.72	U	
4110-0014A-HO	07/11/08	Radium-226	2.9	4.7	0.65	0.11		
4110-0014A-HO	07/11/08	Thorium-230	2.8	4.6	0.28	6.82	U	
4110-0014A-HO	07/11/08	Thorium-232	2.1	3.5	0.61	0.15		
4110-0014A-HO	07/11/08	Uranium-238	2.2	4.2	0.63	0.44		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0015A-HO	07/15/08	Actinium-227	4.6	13.61	0.08	0.29	U	
4110-0015A-HO	07/15/08	Americium-241	63	189	0.02	0.07	U	
4110-0015A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.03	0.05	U	
4110-0015A-HO	07/15/08	Cesium-137	3.8	10.62	0.04	0.05	U	
4110-0015A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0015A-HO	07/15/08	Lead-210	7.4	19.8	0.70	0.60		
4110-0015A-HO	07/15/08	Plutonium-238	55	165.13	7.55	7.11		
4110-0015A-HO	07/15/08	Protactinium-231	4	11.81	0.00	1.54	U	
4110-0015A-HO	07/15/08	Radium-226	2.9	4.7	0.52	0.12		
4110-0015A-HO	07/15/08	Thorium-230	2.8	4.6	2.79	6.24	U	
4110-0015A-HO	07/15/08	Thorium-232	2.1	3.5	0.58	0.17		
4110-0015A-HO	07/15/08	Uranium-238	2.2	4.2	0.56	0.40		
4110-0016A-HO	07/15/08	Actinium-227	4.6	13.61	0.02	0.34	U	
4110-0016A-HO	07/15/08	Americium-241	63	189	0.03	0.08	U	
4110-0016A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0016A-HO	07/15/08	Cesium-137	3.8	10.62	0.00	0.04	U	
4110-0016A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0016A-HO	07/15/08	Lead-210	7.4	19.8	1.00	0.72		
4110-0016A-HO	07/15/08	Plutonium-238	55	165.13	0.00	7.26	U	
4110-0016A-HO	07/15/08	Protactinium-231	4	11.81	1.12	1.41	U	
4110-0016A-HO	07/15/08	Radium-226	2.9	4.7	0.75	0.12		
4110-0016A-HO	07/15/08	Thorium-230	2.8	4.6	0.00	7.07	U	
4110-0016A-HO	07/15/08	Thorium-232	2.1	3.5	0.52	0.23		
4110-0016A-HO	07/15/08	Uranium-238	2.2	4.2	0.73	0.46		
4110-0017A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.28	U	
4110-0017A-HO	07/15/08	Americium-241	63	189	0.02	0.07	U	
4110-0017A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.04	U	
4110-0017A-HO	07/15/08	Cesium-137	3.8	10.62	0.03	0.03	U	
4110-0017A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.05	U	
4110-0017A-HO	07/15/08	Lead-210	7.4	19.8	0.70	0.57		
4110-0017A-HO	07/15/08	Plutonium-238	55	165.13	9.18	5.92		
4110-0017A-HO	07/15/08	Protactinium-231	4	11.81	0.09	1.32	U	
4110-0017A-HO	07/15/08	Radium-226	2.9	4.7	0.73	0.10		
4110-0017A-HO	07/15/08	Thorium-230	2.8	4.6	0.49	5.86	U	
4110-0017A-HO	07/15/08	Thorium-232	2.1	3.5	0.33	0.18		
4110-0017A-HO	07/15/08	Uranium-238	2.2	4.2	0.33	0.38	U	
4110-0018A-HO	07/15/08	Actinium-227	4.6	13.61	0.02	0.26	U	
4110-0018A-HO	07/15/08	Americium-241	63	189	0.00	0.07	U	
4110-0018A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0018A-HO	07/15/08	Cesium-137	3.8	10.62	0.03	0.04	U	
4110-0018A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.05	U	
4110-0018A-HO	07/15/08	Lead-210	7.4	19.8	0.55	0.56	U	
4110-0018A-HO	07/15/08	Plutonium-238	55	165.13	2.65	5.88	U	
4110-0018A-HO	07/15/08	Protactinium-231	4	11.81	0.00	1.40	U	
4110-0018A-HO	07/15/08	Radium-226	2.9	4.7	0.57	0.09		
4110-0018A-HO	07/15/08	Thorium-230	2.8	4.6	0.40	5.77	U	
4110-0018A-HO	07/15/08	Thorium-232	2.1	3.5	0.22	0.20		
4110-0018A-HO	07/15/08	Uranium-238	2.2	4.2	0.49	0.33		
4110-0019A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.31	U	
4110-0019A-HO	07/15/08	Americium-241	63	189	0.00	0.08	U	
4110-0019A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0019A-HO	07/15/08	Cesium-137	3.8	10.62	0.00	0.05	U	
4110-0019A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0019A-HO	07/15/08	Lead-210	7.4	19.8	0.55	0.69	U	
4110-0019A-HO	07/15/08	Plutonium-238	55	165.13	0.00	6.03	U	
4110-0019A-HO	07/15/08	Protactinium-231	4	11.81	0.00	1.61	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0019A-HO	07/15/08	Radium-226	2.9	4.7	0.79	0.10		
4110-0019A-HO	07/15/08	Thorium-230	2.8	4.6	4.40	6.23	U	
4110-0019A-HO	07/15/08	Thorium-232	2.1	3.5	0.46	0.19		
4110-0019A-HO	07/15/08	Uranium-238	2.2	4.2	0.60	0.42		
4110-0020A-HO	07/16/08	Actinium-227	4.6	13.61	0.00	0.29	U	
4110-0020A-HO	07/16/08	Americium-241	63	189	0.00	0.07	U	
4110-0020A-HO	07/16/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0020A-HO	07/16/08	Cesium-137	3.8	10.62	0.00	0.05	U	
4110-0020A-HO	07/16/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0020A-HO	07/16/08	Lead-210	7.4	19.8	0.43	0.66	U	
4110-0020A-HO	07/16/08	Plutonium-238	55	165.13	3.15	5.30	U	
4110-0020A-HO	07/16/08	Protactinium-231	4	11.81	0.00	1.54	U	
4110-0020A-HO	07/16/08	Radium-226	2.9	4.7	0.58	0.11		
4110-0020A-HO	07/16/08	Thorium-230	2.8	4.6	2.17	6.04	U	
4110-0020A-HO	07/16/08	Thorium-232	2.1	3.5	0.53	0.14		
4110-0020A-HO	07/16/08	Uranium-238	2.2	4.2	0.53	0.40		
4110-0021A-HO	07/11/08	Actinium-227	4.6	13.61	0.00	0.32	U	
4110-0021A-HO	07/11/08	Americium-241	63	189	0.00	0.08	U	
4110-0021A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0021A-HO	07/11/08	Cesium-137	3.8	10.62	0.05	0.04		
4110-0021A-HO	07/11/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0021A-HO	07/11/08	Lead-210	7.4	19.8	0.47	0.70	U	
4110-0021A-HO	07/11/08	Plutonium-238	55	165.13	1.20	6.55	U	
4110-0021A-HO	07/11/08	Protactinium-231	4	11.81	0.00	1.76	U	
4110-0021A-HO	07/11/08	Radium-226	2.9	4.7	0.63	0.10		
4110-0021A-HO	07/11/08	Thorium-230	2.8	4.6	0.30	6.98	U	
4110-0021A-HO	07/11/08	Thorium-232	2.1	3.5	0.34	0.21		
4110-0021A-HO	07/11/08	Uranium-238	2.2	4.2	0.37	0.46	U	
4110-0022A-HO	07/11/08	Actinium-227	4.6	13.61	0.01	0.34	U	
4110-0022A-HO	07/11/08	Americium-241	63	189	0.04	0.08	U	
4110-0022A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0022A-HO	07/11/08	Cesium-137	3.8	10.62	0.26	0.07		
4110-0022A-HO	07/11/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0022A-HO	07/11/08	Lead-210	7.4	19.8	0.93	0.89		
4110-0022A-HO	07/11/08	Plutonium-238	55	165.13	2.55	8.21	U	
4110-0022A-HO	07/11/08	Protactinium-231	4	11.81	0.94	1.77	U	
4110-0022A-HO	07/11/08	Radium-226	2.9	4.7	0.71	0.10		
4110-0022A-HO	07/11/08	Thorium-230	2.8	4.6	0.52	7.31	U	
4110-0022A-HO	07/11/08	Thorium-232	2.1	3.5	0.53	0.23		
4110-0022A-HO	07/11/08	Uranium-238	2.2	4.2	1.07	0.48		
4110-0023A-HO	07/11/08	Actinium-227	4.6	13.61	0.03	0.33	U	
4110-0023A-HO	07/11/08	Americium-241	63	189	0.00	0.08	U	
4110-0023A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.01	0.05	U	
4110-0023A-HO	07/11/08	Cesium-137	3.8	10.62	0.02	0.06	U	
4110-0023A-HO	07/11/08	Cobalt-60	0.7	2.1	0.00	0.08	U	
4110-0023A-HO	07/11/08	Lead-210	7.4	19.8	0.84	0.70		
4110-0023A-HO	07/11/08	Plutonium-238	55	165.13	0.00	7.64	U	
4110-0023A-HO	07/11/08	Protactinium-231	4	11.81	0.66	1.74	U	
4110-0023A-HO	07/11/08	Radium-226	2.9	4.7	0.65	0.12		
4110-0023A-HO	07/11/08	Thorium-230	2.8	4.6	2.53	7.23	U	
4110-0023A-HO	07/11/08	Thorium-232	2.1	3.5	0.43	0.24		
4110-0023A-HO	07/11/08	Uranium-238	2.2	4.2	0.46	0.46	U	
4110-0024A-HO	07/11/08	Actinium-227	4.6	13.61	0.00	0.34	U	
4110-0024A-HO	07/11/08	Americium-241	63	189	0.01	0.08	U	
4110-0024A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0024A-HO	07/11/08	Cesium-137	3.8	10.62	0.16	0.05		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0024A-HO	07/11/08	Cobalt-60	0.7	2.1	0.04	0.04		
4110-0024A-HO	07/11/08	Lead-210	7.4	19.8	0.60	0.76	U	
4110-0024A-HO	07/11/08	Plutonium-238	55	165.13	2.67	7.38	U	
4110-0024A-HO	07/11/08	Protactinium-231	4	11.81	0.00	2.01	U	
4110-0024A-HO	07/11/08	Radium-226	2.9	4.7	0.68	0.11		
4110-0024A-HO	07/11/08	Thorium-230	2.8	4.6	1.79	7.35	U	
4110-0024A-HO	07/11/08	Thorium-232	2.1	3.5	0.50	0.22		
4110-0024A-HO	07/11/08	Uranium-238	2.2	4.2	0.84	0.45		
4110-0025A-HO	07/11/08	Actinium-227	4.6	13.61	0.00	0.38	U	
4110-0025A-HO	07/11/08	Americium-241	63	189	0.00	0.09	U	
4110-0025A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0025A-HO	07/11/08	Cesium-137	3.8	10.62	0.00	0.06	U	
4110-0025A-HO	07/11/08	Cobalt-60	0.7	2.1	0.04	0.06	U	
4110-0025A-HO	07/11/08	Lead-210	7.4	19.8	0.85	0.74		
4110-0025A-HO	07/11/08	Plutonium-238	55	165.13	0.32	7.90	U	
4110-0025A-HO	07/11/08	Protactinium-231	4	11.81	0.00	1.89	U	
4110-0025A-HO	07/11/08	Radium-226	2.9	4.7	0.64	0.15		
4110-0025A-HO	07/11/08	Thorium-230	2.8	4.6	0.24	7.66	U	
4110-0025A-HO	07/11/08	Thorium-232	2.1	3.5	0.50	0.23		
4110-0025A-HO	07/11/08	Uranium-238	2.2	4.2	0.74	0.50		
4110-0026A-HO	07/11/08	Actinium-227	4.6	13.61	0.00	0.36	U	
4110-0026A-HO	07/11/08	Americium-241	63	189	0.06	0.08	U	
4110-0026A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0026A-HO	07/11/08	Cesium-137	3.8	10.62	0.03	0.04	U	
4110-0026A-HO	07/11/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0026A-HO	07/11/08	Lead-210	7.4	19.8	1.12	0.75		
4110-0026A-HO	07/11/08	Plutonium-238	55	165.13	0.34	7.10	U	
4110-0026A-HO	07/11/08	Protactinium-231	4	11.81	0.00	1.96	U	
4110-0026A-HO	07/11/08	Radium-226	2.9	4.7	0.67	0.14		
4110-0026A-HO	07/11/08	Thorium-230	2.8	4.6	5.73	7.40	U	
4110-0026A-HO	07/11/08	Thorium-232	2.1	3.5	0.78	0.15		
4110-0026A-HO	07/11/08	Uranium-238	2.2	4.2	0.85	0.51		
4110-0027A-HO	07/11/08	Actinium-227	4.6	13.61	0.04	0.31	U	
4110-0027A-HO	07/11/08	Americium-241	63	189	0.00	0.08	U	
4110-0027A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0027A-HO	07/11/08	Cesium-137	3.8	10.62	0.01	0.05	U	
4110-0027A-HO	07/11/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0027A-HO	07/11/08	Lead-210	7.4	19.8	0.39	0.72	U	
4110-0027A-HO	07/11/08	Plutonium-238	55	165.13	1.80	7.57	U	
4110-0027A-HO	07/11/08	Protactinium-231	4	11.81	0.00	1.83	U	
4110-0027A-HO	07/11/08	Radium-226	2.9	4.7	0.67	0.11		
4110-0027A-HO	07/11/08	Thorium-230	2.8	4.6	0.00	7.40	U	
4110-0027A-HO	07/11/08	Thorium-232	2.1	3.5	0.60	0.21		
4110-0027A-HO	07/11/08	Uranium-238	2.2	4.2	0.71	0.44		
4110-0028C-HO	07/22/08	Actinium-227	4.6	13.61	0.00	0.29	U	
4110-0028C-HO	07/22/08	Americium-241	63	189	0.06	0.07	U	
4110-0028C-HO	07/22/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0028C-HO	07/22/08	Cesium-137	3.8	10.62	0.07	0.06		
4110-0028C-HO	07/22/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0028C-HO	07/22/08	Lead-210	7.4	19.8	0.88	0.70		
4110-0028C-HO	07/22/08	Plutonium-238	55	165.13	26.91	8.29		
4110-0028C-HO	07/22/08	Protactinium-231	4	11.81	0.00	1.87	U	
4110-0028C-HO	07/22/08	Radium-226	2.9	4.7	0.49	0.12		
4110-0028C-HO	07/22/08	Thorium-230	2.8	4.6	0.00	6.55	U	
4110-0028C-HO	07/22/08	Thorium-232	2.1	3.5	0.29	0.22		
4110-0028C-HO	07/22/08	Uranium-238	2.2	4.2	0.68	0.40		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0029A-HO	07/11/08	Actinium-227	4.6	13.61	0.04	0.32	U	
4110-0029A-HO	07/11/08	Americium-241	63	189	0.00	0.08	U	
4110-0029A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.05	0.05		
4110-0029A-HO	07/11/08	Cesium-137	3.8	10.62	0.02	0.05	U	
4110-0029A-HO	07/11/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0029A-HO	07/11/08	Lead-210	7.4	19.8	0.55	0.76	U	
4110-0029A-HO	07/11/08	Plutonium-238	55	165.13	0.00	7.30	U	
4110-0029A-HO	07/11/08	Protactinium-231	4	11.81	0.01	1.71	U	
4110-0029A-HO	07/11/08	Radium-226	2.9	4.7	0.62	0.14		
4110-0029A-HO	07/11/08	Thorium-230	2.8	4.6	2.74	7.22	U	
4110-0029A-HO	07/11/08	Thorium-232	2.1	3.5	0.42	0.24		
4110-0029A-HO	07/11/08	Uranium-238	2.2	4.2	0.61	0.48		
4110-0030A-HO	07/11/08	Actinium-227	4.6	13.61	0.22	0.29	U	
4110-0030A-HO	07/11/08	Americium-241	63	189	0.00	0.08	U	
4110-0030A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.01	0.05	U	
4110-0030A-HO	07/11/08	Cesium-137	3.8	10.62	0.00	0.05	U	
4110-0030A-HO	07/11/08	Cobalt-60	0.7	2.1	0.00	0.05	U	
4110-0030A-HO	07/11/08	Lead-210	7.4	19.8	0.57	0.72	U	
4110-0030A-HO	07/11/08	Plutonium-238	55	165.13	3.29	6.54	U	
4110-0030A-HO	07/11/08	Protactinium-231	4	11.81	0.00	1.86	U	
4110-0030A-HO	07/11/08	Radium-226	2.9	4.7	0.56	0.14		
4110-0030A-HO	07/11/08	Thorium-230	2.8	4.6	0.00	7.34	U	
4110-0030A-HO	07/11/08	Thorium-232	2.1	3.5	0.59	0.21		
4110-0030A-HO	07/11/08	Uranium-238	2.2	4.2	0.78	0.43		
4110-0031A-HO	07/11/08	Actinium-227	4.6	13.61	0.07	0.32	U	
4110-0031A-HO	07/11/08	Americium-241	63	189	0.08	0.08	U	
4110-0031A-HO	07/11/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0031A-HO	07/11/08	Cesium-137	3.8	10.62	0.00	0.06	U	
4110-0031A-HO	07/11/08	Cobalt-60	0.7	2.1	0.00	0.09	U	
4110-0031A-HO	07/11/08	Lead-210	7.4	19.8	0.37	0.82	U	
4110-0031A-HO	07/11/08	Plutonium-238	55	165.13	0.01	7.38	U	
4110-0031A-HO	07/11/08	Protactinium-231	4	11.81	0.41	1.72	U	
4110-0031A-HO	07/11/08	Radium-226	2.9	4.7	0.73	0.12		
4110-0031A-HO	07/11/08	Thorium-230	2.8	4.6	0.00	8.16	U	
4110-0031A-HO	07/11/08	Thorium-232	2.1	3.5	0.61	0.15		
4110-0031A-HO	07/11/08	Uranium-238	2.2	4.2	0.87	0.46		
4110-0032A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.32	U	
4110-0032A-HO	07/15/08	Americium-241	63	189	0.04	0.06	U	
4110-0032A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.01	0.05	U	
4110-0032A-HO	07/15/08	Cesium-137	3.8	10.62	0.00	0.06	U	
4110-0032A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0032A-HO	07/15/08	Lead-210	7.4	19.8	0.42	0.68	U	
4110-0032A-HO	07/15/08	Plutonium-238	55	165.13	0.00	6.53	U	
4110-0032A-HO	07/15/08	Protactinium-231	4	11.81	0.25	1.44	U	
4110-0032A-HO	07/15/08	Radium-226	2.9	4.7	0.44	0.12		
4110-0032A-HO	07/15/08	Thorium-230	2.8	4.6	1.89	6.28	U	
4110-0032A-HO	07/15/08	Thorium-232	2.1	3.5	0.52	0.16		
4110-0032A-HO	07/15/08	Uranium-238	2.2	4.2	0.70	0.40		
4110-0033A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.32	U	
4110-0033A-HO	07/15/08	Americium-241	63	189	0.01	0.08	U	
4110-0033A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0033A-HO	07/15/08	Cesium-137	3.8	10.62	0.01	0.05	U	
4110-0033A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.09	U	
4110-0033A-HO	07/15/08	Lead-210	7.4	19.8	0.42	0.77	U	
4110-0033A-HO	07/15/08	Plutonium-238	55	165.13	0.00	6.98	U	
4110-0033A-HO	07/15/08	Protactinium-231	4	11.81	0.00	1.81	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0033A-HO	07/15/08	Radium-226	2.9	4.7	0.50	0.14		
4110-0033A-HO	07/15/08	Thorium-230	2.8	4.6	0.00	6.94	U	
4110-0033A-HO	07/15/08	Thorium-232	2.1	3.5	0.47	0.23		
4110-0033A-HO	07/15/08	Uranium-238	2.2	4.2	0.72	0.44		
4110-0034A-HO	07/15/08	Actinium-227	4.6	13.61	0.05	0.31	U	
4110-0034A-HO	07/15/08	Americium-241	63	189	0.02	0.08	U	
4110-0034A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.03	0.05	U	
4110-0034A-HO	07/15/08	Cesium-137	3.8	10.62	0.11	0.04		
4110-0034A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0034A-HO	07/15/08	Lead-210	7.4	19.8	1.16	0.78		
4110-0034A-HO	07/15/08	Plutonium-238	55	165.13	0.00	8.18	U	
4110-0034A-HO	07/15/08	Protactinium-231	4	11.81	0.00	1.91	U	
4110-0034A-HO	07/15/08	Radium-226	2.9	4.7	0.61	0.11		
4110-0034A-HO	07/15/08	Thorium-230	2.8	4.6	0.00	7.53	U	
4110-0034A-HO	07/15/08	Thorium-232	2.1	3.5	0.34	0.23		
4110-0034A-HO	07/15/08	Uranium-238	2.2	4.2	0.82	0.44		
4110-0035A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.30	U	
4110-0035A-HO	07/15/08	Americium-241	63	189	0.00	0.07	U	
4110-0035A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.08	0.05		
4110-0035A-HO	07/15/08	Cesium-137	3.8	10.62	0.22	0.04		
4110-0035A-HO	07/15/08	Cobalt-60	0.7	2.1	0.02	0.05	U	
4110-0035A-HO	07/15/08	Lead-210	7.4	19.8	0.45	0.62	U	
4110-0035A-HO	07/15/08	Plutonium-238	55	165.13	0.40	6.45	U	
4110-0035A-HO	07/15/08	Protactinium-231	4	11.81	0.00	1.59	U	
4110-0035A-HO	07/15/08	Radium-226	2.9	4.7	0.43	0.17		
4110-0035A-HO	07/15/08	Thorium-230	2.8	4.6	1.42	6.30	U	
4110-0035A-HO	07/15/08	Thorium-232	2.1	3.5	0.70	0.16		
4110-0035A-HO	07/15/08	Uranium-238	2.2	4.2	0.53	0.39		
4110-0036A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.26	U	
4110-0036A-HO	07/15/08	Americium-241	63	189	0.00	0.06	U	
4110-0036A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0036A-HO	07/15/08	Cesium-137	3.8	10.62	0.07	0.04		
4110-0036A-HO	07/15/08	Cobalt-60	0.7	2.1	0.01	0.04	U	
4110-0036A-HO	07/15/08	Lead-210	7.4	19.8	0.46	0.55	U	
4110-0036A-HO	07/15/08	Plutonium-238	55	165.13	0.00	5.93	U	
4110-0036A-HO	07/15/08	Protactinium-231	4	11.81	0.28	1.30	U	
4110-0036A-HO	07/15/08	Radium-226	2.9	4.7	0.49	0.10		
4110-0036A-HO	07/15/08	Thorium-230	2.8	4.6	1.87	5.35	U	
4110-0036A-HO	07/15/08	Thorium-232	2.1	3.5	0.40	0.13		
4110-0036A-HO	07/15/08	Uranium-238	2.2	4.2	0.43	0.34		
4110-0037A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.27	U	
4110-0037A-HO	07/15/08	Americium-241	63	189	0.01	0.06	U	
4110-0037A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0037A-HO	07/15/08	Cesium-137	3.8	10.62	0.18	0.04		
4110-0037A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0037A-HO	07/15/08	Lead-210	7.4	19.8	0.80	0.55	U	
4110-0037A-HO	07/15/08	Plutonium-238	55	165.13	0.00	5.96	U	
4110-0037A-HO	07/15/08	Protactinium-231	4	11.81	0.00	1.50	U	
4110-0037A-HO	07/15/08	Radium-226	2.9	4.7	0.58	0.11		
4110-0037A-HO	07/15/08	Thorium-230	2.8	4.6	0.64	5.81	U	
4110-0037A-HO	07/15/08	Thorium-232	2.1	3.5	0.45	0.14		
4110-0037A-HO	07/15/08	Uranium-238	2.2	4.2	0.38	0.38		
4110-0038A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.28	U	
4110-0038A-HO	07/15/08	Americium-241	63	189	0.07	0.06		
4110-0038A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0038A-HO	07/15/08	Cesium-137	3.8	10.62	0.21	0.04		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0038A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.05	U	
4110-0038A-HO	07/15/08	Lead-210	7.4	19.8	1.08	0.61		
4110-0038A-HO	07/15/08	Plutonium-238	55	165.13	32.21	8.07		
4110-0038A-HO	07/15/08	Protactinium-231	4	11.81	0.13	1.37	U	
4110-0038A-HO	07/15/08	Radium-226	2.9	4.7	0.54	0.10		
4110-0038A-HO	07/15/08	Thorium-230	2.8	4.6	2.13	5.72	U	
4110-0038A-HO	07/15/08	Thorium-232	2.1	3.5	0.48	0.13		
4110-0038A-HO	07/15/08	Uranium-238	2.2	4.2	0.75	0.37		
4110-0039A-HO	07/10/08	Actinium-227	4.6	13.61	0.00	0.33	U	
4110-0039A-HO	07/10/08	Americium-241	63	189	0.00	0.08	U	
4110-0039A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0039A-HO	07/10/08	Cesium-137	3.8	10.62	0.10	0.05		
4110-0039A-HO	07/10/08	Cobalt-60	0.7	2.1	0.03	0.04	U	
4110-0039A-HO	07/10/08	Lead-210	7.4	19.8	0.66	0.75	U	
4110-0039A-HO	07/10/08	Plutonium-238	55	165.13	0.63	7.17	U	
4110-0039A-HO	07/10/08	Protactinium-231	4	11.81	0.00	1.96	U	
4110-0039A-HO	07/10/08	Radium-226	2.9	4.7	0.49	0.13		
4110-0039A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	7.64	U	
4110-0039A-HO	07/10/08	Thorium-232	2.1	3.5	0.61	0.20		
4110-0039A-HO	07/10/08	Uranium-238	2.2	4.2	0.74	0.43		
4110-0040A-HO	07/10/08	Actinium-227	4.6	13.61	0.16	0.39	U	
4110-0040A-HO	07/10/08	Americium-241	63	189	0.07	0.09	U	
4110-0040A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0040A-HO	07/10/08	Cesium-137	3.8	10.62	0.04	0.05	U	
4110-0040A-HO	07/10/08	Cobalt-60	0.7	2.1	0.04	0.07	U	
4110-0040A-HO	07/10/08	Lead-210	7.4	19.8	1.01	0.82		
4110-0040A-HO	07/10/08	Plutonium-238	55	165.13	0.00	9.22	U	
4110-0040A-HO	07/10/08	Protactinium-231	4	11.81	0.00	2.20	U	
4110-0040A-HO	07/10/08	Radium-226	2.9	4.7	0.55	0.16		
4110-0040A-HO	07/10/08	Thorium-230	2.8	4.6	1.25	8.66	U	
4110-0040A-HO	07/10/08	Thorium-232	2.1	3.5	1.02	0.22		
4110-0040A-HO	07/10/08	Uranium-238	2.2	4.2	1.06	0.52		
4110-0041A-HO	07/01/08	Actinium-227	4.6	13.61	0.05	0.31	U	
4110-0041A-HO	07/01/08	Americium-241	63	189	0.00	0.07	U	
4110-0041A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0041A-HO	07/01/08	Cesium-137	3.8	10.62	0.01	0.05	U	
4110-0041A-HO	07/01/08	Cobalt-60	0.7	2.1	0.01	0.05	U	
4110-0041A-HO	07/01/08	Lead-210	7.4	19.8	0.62	0.71	U	
4110-0041A-HO	07/01/08	Plutonium-238	55	165.13	0.01	7.08	U	
4110-0041A-HO	07/01/08	Protactinium-231	4	11.81	1.09	1.54	U	
4110-0041A-HO	07/01/08	Radium-226	2.9	4.7	0.50	0.13		
4110-0041A-HO	07/01/08	Thorium-230	2.8	4.6	0.03	7.07	U	
4110-0041A-HO	07/01/08	Thorium-232	2.1	3.5	0.78	0.21		
4110-0041A-HO	07/01/08	Uranium-238	2.2	4.2	0.53	0.47		
4110-0042A-HO	07/01/08	Actinium-227	4.6	13.61	0.07	0.27	U	
4110-0042A-HO	07/01/08	Americium-241	63	189	0.00	0.06	U	
4110-0042A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0042A-HO	07/01/08	Cesium-137	3.8	10.62	0.00	0.05	U	
4110-0042A-HO	07/01/08	Cobalt-60	0.7	2.1	0.02	0.04	U	
4110-0042A-HO	07/01/08	Lead-210	7.4	19.8	0.88	0.56		
4110-0042A-HO	07/01/08	Plutonium-238	55	165.13	0.16	6.04	U	
4110-0042A-HO	07/01/08	Protactinium-231	4	11.81	0.00	1.64	U	
4110-0042A-HO	07/01/08	Radium-226	2.9	4.7	0.33	0.12		
4110-0042A-HO	07/01/08	Thorium-230	2.8	4.6	3.81	5.77	U	
4110-0042A-HO	07/01/08	Thorium-232	2.1	3.5	0.33	0.19		
4110-0042A-HO	07/01/08	Uranium-238	2.2	4.2	0.81	0.35		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0043A-HO	07/01/08	Actinium-227	4.6	13.61	0.00	0.30	U	
4110-0043A-HO	07/01/08	Americium-241	63	189	0.06	0.07	U	
4110-0043A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.01	0.05	U	
4110-0043A-HO	07/01/08	Cesium-137	3.8	10.62	0.04	0.05	U	
4110-0043A-HO	07/01/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0043A-HO	07/01/08	Lead-210	7.4	19.8	1.10	0.62		
4110-0043A-HO	07/01/08	Plutonium-238	55	165.13	4.43	6.55	U	
4110-0043A-HO	07/01/08	Protactinium-231	4	11.81	0.56	1.43	U	
4110-0043A-HO	07/01/08	Radium-226	2.9	4.7	0.50	0.12		
4110-0043A-HO	07/01/08	Thorium-230	2.8	4.6	2.02	6.37	U	
4110-0043A-HO	07/01/08	Thorium-232	2.1	3.5	0.52	0.16		
4110-0043A-HO	07/01/08	Uranium-238	2.2	4.2	0.06	0.39	U	
4110-0044A-HO	07/01/08	Actinium-227	4.6	13.61	0.00	0.33	U	
4110-0044A-HO	07/01/08	Americium-241	63	189	0.04	0.07	U	
4110-0044A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.02	0.05	U	
4110-0044A-HO	07/01/08	Cesium-137	3.8	10.62	0.08	0.06		
4110-0044A-HO	07/01/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0044A-HO	07/01/08	Lead-210	7.4	19.8	0.81	0.70		
4110-0044A-HO	07/01/08	Plutonium-238	55	165.13	4.72	6.79	U	
4110-0044A-HO	07/01/08	Protactinium-231	4	11.81	0.00	1.70	U	
4110-0044A-HO	07/01/08	Radium-226	2.9	4.7	0.66	0.13		
4110-0044A-HO	07/01/08	Thorium-230	2.8	4.6	0.00	6.98	U	
4110-0044A-HO	07/01/08	Thorium-232	2.1	3.5	0.68	0.11		
4110-0044A-HO	07/01/08	Uranium-238	2.2	4.2	0.37	0.45	U	
4110-0045A-HO	07/01/08	Actinium-227	4.6	13.61	0.00	0.14	U	
4110-0045A-HO	07/01/08	Americium-241	63	189	0.01	0.03	U	
4110-0045A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.00	0.02	U	
4110-0045A-HO	07/01/08	Cesium-137	3.8	10.62	0.09	0.02		
4110-0045A-HO	07/01/08	Cobalt-60	0.7	2.1	0.00	0.03	U	
4110-0045A-HO	07/01/08	Lead-210	7.4	19.8	0.71	0.31		
4110-0045A-HO	07/01/08	Plutonium-238	55	165.13	4.60	3.19		
4110-0045A-HO	07/01/08	Protactinium-231	4	11.81	0.00	0.74	U	
4110-0045A-HO	07/01/08	Radium-226	2.9	4.7	0.55	0.05		
4110-0045A-HO	07/01/08	Thorium-230	2.8	4.6	0.00	3.06	U	
4110-0045A-HO	07/01/08	Thorium-232	2.1	3.5	0.43	0.08		
4110-0045A-HO	07/01/08	Uranium-238	2.2	4.2	0.64	0.18		
4110-0046A-HO	07/01/08	Actinium-227	4.6	13.61	0.00	0.30	U	
4110-0046A-HO	07/01/08	Americium-241	63	189	0.03	0.07	U	
4110-0046A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.02	0.05	U	
4110-0046A-HO	07/01/08	Cesium-137	3.8	10.62	0.00	0.05	U	
4110-0046A-HO	07/01/08	Cobalt-60	0.7	2.1	0.04	0.05	U	
4110-0046A-HO	07/01/08	Lead-210	7.4	19.8	0.20	0.67	U	
4110-0046A-HO	07/01/08	Plutonium-238	55	165.13	2.51	7.44	U	
4110-0046A-HO	07/01/08	Protactinium-231	4	11.81	0.00	1.66	U	
4110-0046A-HO	07/01/08	Radium-226	2.9	4.7	0.72	0.12		
4110-0046A-HO	07/01/08	Thorium-230	2.8	4.6	0.00	6.97	U	
4110-0046A-HO	07/01/08	Thorium-232	2.1	3.5	0.49	0.21		
4110-0046A-HO	07/01/08	Uranium-238	2.2	4.2	0.52	0.44		
4110-0047A-HO	07/01/08	Actinium-227	4.6	13.61	0.06	0.28	U	
4110-0047A-HO	07/01/08	Americium-241	63	189	0.05	0.07	U	
4110-0047A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0047A-HO	07/01/08	Cesium-137	3.8	10.62	0.07	0.05		
4110-0047A-HO	07/01/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0047A-HO	07/01/08	Lead-210	7.4	19.8	0.57	0.61	U	
4110-0047A-HO	07/01/08	Plutonium-238	55	165.13	0.77	6.32	U	
4110-0047A-HO	07/01/08	Protactinium-231	4	11.81	0.00	1.60	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0047A-HO	07/01/08	Radium-226	2.9	4.7	0.59	0.11		
4110-0047A-HO	07/01/08	Thorium-230	2.8	4.6	0.84	6.09	U	
4110-0047A-HO	07/01/08	Thorium-232	2.1	3.5	0.54	0.22		
4110-0047A-HO	07/01/08	Uranium-238	2.2	4.2	0.08	0.38	U	
4110-0048A-HO	07/01/08	Actinium-227	4.6	13.61	0.00	0.32	U	
4110-0048A-HO	07/01/08	Americium-241	63	189	0.01	0.07	U	
4110-0048A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.01	0.05	U	
4110-0048A-HO	07/01/08	Cesium-137	3.8	10.62	0.14	0.05		
4110-0048A-HO	07/01/08	Cobalt-60	0.7	2.1	0.03	0.04	U	
4110-0048A-HO	07/01/08	Lead-210	7.4	19.8	1.40	0.72		
4110-0048A-HO	07/01/08	Plutonium-238	55	165.13	13.35	7.98		
4110-0048A-HO	07/01/08	Protactinium-231	4	11.81	0.18	1.69	U	
4110-0048A-HO	07/01/08	Radium-226	2.9	4.7	0.59	0.11		
4110-0048A-HO	07/01/08	Thorium-230	2.8	4.6	0.00	7.04	U	
4110-0048A-HO	07/01/08	Thorium-232	2.1	3.5	0.78	0.14		
4110-0048A-HO	07/01/08	Uranium-238	2.2	4.2	0.79	0.43		
4110-0049A-HO	07/01/08	Actinium-227	4.6	13.61	0.05	0.33	U	
4110-0049A-HO	07/01/08	Americium-241	63	189	0.00	0.08	U	
4110-0049A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.04	0.05	U	
4110-0049A-HO	07/01/08	Cesium-137	3.8	10.62	0.02	0.06	U	
4110-0049A-HO	07/01/08	Cobalt-60	0.7	2.1	0.00	0.08	U	
4110-0049A-HO	07/01/08	Lead-210	7.4	19.8	1.06	0.69		
4110-0049A-HO	07/01/08	Plutonium-238	55	165.13	1.79	6.67	U	
4110-0049A-HO	07/01/08	Protactinium-231	4	11.81	0.41	1.81	U	
4110-0049A-HO	07/01/08	Radium-226	2.9	4.7	0.57	0.13		
4110-0049A-HO	07/01/08	Thorium-230	2.8	4.6	4.87	6.91	U	
4110-0049A-HO	07/01/08	Thorium-232	2.1	3.5	0.64	0.19		
4110-0049A-HO	07/01/08	Uranium-238	2.2	4.2	0.38	0.48	U	
4110-0050A-HO	07/10/08	Actinium-227	4.6	13.61	0.04	0.36	U	
4110-0050A-HO	07/10/08	Americium-241	63	189	0.01	0.08	U	
4110-0050A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0050A-HO	07/10/08	Cesium-137	3.8	10.62	0.06	0.06		
4110-0050A-HO	07/10/08	Cobalt-60	0.7	2.1	0.01	0.07	U	
4110-0050A-HO	07/10/08	Lead-210	7.4	19.8	1.02	0.79		
4110-0050A-HO	07/10/08	Plutonium-238	55	165.13	0.00	8.43	U	
4110-0050A-HO	07/10/08	Protactinium-231	4	11.81	0.12	1.79	U	
4110-0050A-HO	07/10/08	Radium-226	2.9	4.7	0.66	0.16		
4110-0050A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	8.02	U	
4110-0050A-HO	07/10/08	Thorium-232	2.1	3.5	0.46	0.25		
4110-0050A-HO	07/10/08	Uranium-238	2.2	4.2	0.89	0.49		
4110-0052A-HO	07/10/08	Actinium-227	4.6	13.61	0.15	0.35	U	
4110-0052A-HO	07/10/08	Americium-241	63	189	0.02	0.09	U	
4110-0052A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0052A-HO	07/10/08	Cesium-137	3.8	10.62	0.26	0.06		
4110-0052A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0052A-HO	07/10/08	Lead-210	7.4	19.8	1.43	0.79		
4110-0052A-HO	07/10/08	Plutonium-238	55	165.13	0.12	7.64	U	
4110-0052A-HO	07/10/08	Protactinium-231	4	11.81	0.00	2.02	U	
4110-0052A-HO	07/10/08	Radium-226	2.9	4.7	0.40	0.16		
4110-0052A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	7.97	U	
4110-0052A-HO	07/10/08	Thorium-232	2.1	3.5	0.65	0.24		
4110-0052A-HO	07/10/08	Uranium-238	2.2	4.2	0.39	0.54	U	
4110-0054A-HO	07/10/08	Actinium-227	4.6	13.61	0.00	0.34	U	
4110-0054A-HO	07/10/08	Americium-241	63	189	0.00	0.08	U	
4110-0054A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0054A-HO	07/10/08	Cesium-137	3.8	10.62	0.12	0.05		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0054A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0054A-HO	07/10/08	Lead-210	7.4	19.8	0.81	0.72		
4110-0054A-HO	07/10/08	Plutonium-238	55	165.13	0.00	7.64	U	
4110-0054A-HO	07/10/08	Protactinium-231	4	11.81	0.00	1.91	U	
4110-0054A-HO	07/10/08	Radium-226	2.9	4.7	0.56	0.10		
4110-0054A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	6.85	U	
4110-0054A-HO	07/10/08	Thorium-232	2.1	3.5	0.45	0.23		
4110-0054A-HO	07/10/08	Uranium-238	2.2	4.2	0.86	0.41		
4110-0056A-HO	07/10/08	Actinium-227	4.6	13.61	0.00	0.31	U	
4110-0056A-HO	07/10/08	Americium-241	63	189	0.00	0.07	U	
4110-0056A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0056A-HO	07/10/08	Cesium-137	3.8	10.62	0.07	0.05		
4110-0056A-HO	07/10/08	Cobalt-60	0.7	2.1	0.02	0.05	U	
4110-0056A-HO	07/10/08	Lead-210	7.4	19.8	0.81	0.71		
4110-0056A-HO	07/10/08	Plutonium-238	55	165.13	2.35	6.30	U	
4110-0056A-HO	07/10/08	Protactinium-231	4	11.81	0.00	1.82	U	
4110-0056A-HO	07/10/08	Radium-226	2.9	4.7	0.55	0.12		
4110-0056A-HO	07/10/08	Thorium-230	2.8	4.6	0.37	6.35	U	
4110-0056A-HO	07/10/08	Thorium-232	2.1	3.5	0.43	0.20		
4110-0056A-HO	07/10/08	Uranium-238	2.2	4.2	0.19	0.44	U	
4110-0058A-HO	07/09/08	Actinium-227	4.6	13.61	0.04	0.33	U	
4110-0058A-HO	07/09/08	Americium-241	63	189	0.06	0.08	U	
4110-0058A-HO	07/09/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0058A-HO	07/09/08	Cesium-137	3.8	10.62	0.12	0.05		
4110-0058A-HO	07/09/08	Cobalt-60	0.7	2.1	0.01	0.05	U	
4110-0058A-HO	07/09/08	Lead-210	7.4	19.8	0.47	0.77	U	
4110-0058A-HO	07/09/08	Plutonium-238	55	165.13	14.40	6.77		
4110-0058A-HO	07/09/08	Protactinium-231	4	11.81	0.00	1.96	U	
4110-0058A-HO	07/09/08	Radium-226	2.9	4.7	0.69	0.12		
4110-0058A-HO	07/09/08	Thorium-230	2.8	4.6	0.00	7.31	U	
4110-0058A-HO	07/09/08	Thorium-232	2.1	3.5	0.53	0.17		
4110-0058A-HO	07/09/08	Uranium-238	2.2	4.2	0.67	0.45		
4110-0059A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.34	U	
4110-0059A-HO	07/15/08	Americium-241	63	189	0.02	0.08	U	
4110-0059A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0059A-HO	07/15/08	Cesium-137	3.8	10.62	0.02	0.05	U	
4110-0059A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0059A-HO	07/15/08	Lead-210	7.4	19.8	0.00	0.73	U	
4110-0059A-HO	07/15/08	Plutonium-238	55	165.13	2.43	6.65	U	
4110-0059A-HO	07/15/08	Protactinium-231	4	11.81	0.50	1.63	U	
4110-0059A-HO	07/15/08	Radium-226	2.9	4.7	0.54	0.11		
4110-0059A-HO	07/15/08	Thorium-230	2.8	4.6	0.71	6.98	U	
4110-0059A-HO	07/15/08	Thorium-232	2.1	3.5	0.73	0.17		
4110-0059A-HO	07/15/08	Uranium-238	2.2	4.2	0.35	0.45	U	
4110-0060A-HO	07/03/08	Actinium-227	4.6	13.61	0.00	0.32	U	
4110-0060A-HO	07/03/08	Americium-241	63	189	0.00	0.08	U	
4110-0060A-HO	07/03/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0060A-HO	07/03/08	Cesium-137	3.8	10.62	0.04	0.05	U	
4110-0060A-HO	07/03/08	Cobalt-60	0.7	2.1	0.02	0.05	U	
4110-0060A-HO	07/03/08	Lead-210	7.4	19.8	0.90	0.66		
4110-0060A-HO	07/03/08	Plutonium-238	55	165.13	1.76	6.95	U	
4110-0060A-HO	07/03/08	Protactinium-231	4	11.81	0.00	1.84	U	
4110-0060A-HO	07/03/08	Radium-226	2.9	4.7	0.61	0.12		
4110-0060A-HO	07/03/08	Thorium-230	2.8	4.6	2.73	6.91	U	
4110-0060A-HO	07/03/08	Thorium-232	2.1	3.5	0.58	0.18		
4110-0060A-HO	07/03/08	Uranium-238	2.2	4.2	0.63	0.43		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0061A-HO	07/03/08	Actinium-227	4.6	13.61	0.00	0.33	U	
4110-0061A-HO	07/03/08	Americium-241	63	189	0.01	0.08	U	
4110-0061A-HO	07/03/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0061A-HO	07/03/08	Cesium-137	3.8	10.62	0.00	0.06	U	
4110-0061A-HO	07/03/08	Cobalt-60	0.7	2.1	0.03	0.06	U	
4110-0061A-HO	07/03/08	Lead-210	7.4	19.8	0.66	0.75	U	
4110-0061A-HO	07/03/08	Plutonium-238	55	165.13	0.00	7.50	U	
4110-0061A-HO	07/03/08	Protactinium-231	4	11.81	0.00	1.70	U	
4110-0061A-HO	07/03/08	Radium-226	2.9	4.7	0.57	0.14		
4110-0061A-HO	07/03/08	Thorium-230	2.8	4.6	4.30	7.00	U	
4110-0061A-HO	07/03/08	Thorium-232	2.1	3.5	0.66	0.17		
4110-0061A-HO	07/03/08	Uranium-238	2.2	4.2	0.78	0.44		
4110-0062A-HO	07/03/08	Actinium-227	4.6	13.61	0.06	0.29	U	
4110-0062A-HO	07/03/08	Americium-241	63	189	0.01	0.07	U	
4110-0062A-HO	07/03/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0062A-HO	07/03/08	Cesium-137	3.8	10.62	0.01	0.05	U	
4110-0062A-HO	07/03/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0062A-HO	07/03/08	Lead-210	7.4	19.8	0.43	0.63	U	
4110-0062A-HO	07/03/08	Plutonium-238	55	165.13	0.00	6.53	U	
4110-0062A-HO	07/03/08	Protactinium-231	4	11.81	0.74	1.56	U	
4110-0062A-HO	07/03/08	Radium-226	2.9	4.7	0.59	0.13		
4110-0062A-HO	07/03/08	Thorium-230	2.8	4.6	0.00	7.43	U	
4110-0062A-HO	07/03/08	Thorium-232	2.1	3.5	0.67	0.19		
4110-0062A-HO	07/03/08	Uranium-238	2.2	4.2	0.69	0.44		
4110-0063A-HO	07/03/08	Actinium-227	4.6	13.61	0.00	0.24	U	
4110-0063A-HO	07/03/08	Americium-241	63	189	0.00	0.06	U	
4110-0063A-HO	07/03/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0063A-HO	07/03/08	Cesium-137	3.8	10.62	0.09	0.03		
4110-0063A-HO	07/03/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0063A-HO	07/03/08	Lead-210	7.4	19.8	1.16	0.55		
4110-0063A-HO	07/03/08	Plutonium-238	55	165.13	3.29	4.83	U	
4110-0063A-HO	07/03/08	Protactinium-231	4	11.81	0.65	1.09	U	
4110-0063A-HO	07/03/08	Radium-226	2.9	4.7	0.47	0.09		
4110-0063A-HO	07/03/08	Thorium-230	2.8	4.6	0.00	5.79	U	
4110-0063A-HO	07/03/08	Thorium-232	2.1	3.5	0.40	0.12		
4110-0063A-HO	07/03/08	Uranium-238	2.2	4.2	0.26	0.34	U	
4110-0064A-HO	07/01/08	Actinium-227	4.6	13.61	0.08	0.30	U	
4110-0064A-HO	07/01/08	Americium-241	63	189	0.03	0.07	U	
4110-0064A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0064A-HO	07/01/08	Cesium-137	3.8	10.62	0.03	0.04	U	
4110-0064A-HO	07/01/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0064A-HO	07/01/08	Lead-210	7.4	19.8	0.36	0.71	U	
4110-0064A-HO	07/01/08	Plutonium-238	55	165.13	4.62	5.69	U	
4110-0064A-HO	07/01/08	Protactinium-231	4	11.81	0.00	1.69	U	
4110-0064A-HO	07/01/08	Radium-226	2.9	4.7	0.50	0.12		
4110-0064A-HO	07/01/08	Thorium-230	2.8	4.6	0.00	6.80	U	
4110-0064A-HO	07/01/08	Thorium-232	2.1	3.5	0.39	0.19		
4110-0064A-HO	07/01/08	Uranium-238	2.2	4.2	0.46	0.43		
4110-0065A-HO	07/01/08	Actinium-227	4.6	13.61	0.08	0.28	U	
4110-0065A-HO	07/01/08	Americium-241	63	189	0.05	0.07	U	
4110-0065A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0065A-HO	07/01/08	Cesium-137	3.8	10.62	0.07	0.04		
4110-0065A-HO	07/01/08	Cobalt-60	0.7	2.1	0.01	0.06	U	
4110-0065A-HO	07/01/08	Lead-210	7.4	19.8	0.81	0.71		
4110-0065A-HO	07/01/08	Plutonium-238	55	165.13	6.14	7.63	U	
4110-0065A-HO	07/01/08	Protactinium-231	4	11.81	0.00	1.73	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0065A-HO	07/01/08	Radium-226	2.9	4.7	0.73	0.11		
4110-0065A-HO	07/01/08	Thorium-230	2.8	4.6	1.38	6.73	U	
4110-0065A-HO	07/01/08	Thorium-232	2.1	3.5	0.59	0.20		
4110-0065A-HO	07/01/08	Uranium-238	2.2	4.2	0.97	0.41		
4110-0066A-HO	07/01/08	Actinium-227	4.6	13.61	0.00	0.32	U	
4110-0066A-HO	07/01/08	Americium-241	63	189	0.01	0.08	U	
4110-0066A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0066A-HO	07/01/08	Cesium-137	3.8	10.62	0.01	0.05	U	
4110-0066A-HO	07/01/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0066A-HO	07/01/08	Lead-210	7.4	19.8	1.15	0.68		
4110-0066A-HO	07/01/08	Plutonium-238	55	165.13	0.66	7.19	U	
4110-0066A-HO	07/01/08	Protactinium-231	4	11.81	0.00	1.91	U	
4110-0066A-HO	07/01/08	Radium-226	2.9	4.7	0.69	0.10		
4110-0066A-HO	07/01/08	Thorium-230	2.8	4.6	1.50	7.11	U	
4110-0066A-HO	07/01/08	Thorium-232	2.1	3.5	0.55	0.18		
4110-0066A-HO	07/01/08	Uranium-238	2.2	4.2	0.73	0.43		
4110-0067A-HO	07/10/08	Actinium-227	4.6	13.61	0.13	0.28	U	
4110-0067A-HO	07/10/08	Americium-241	63	189	0.00	0.07	U	
4110-0067A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.02	0.05	U	
4110-0067A-HO	07/10/08	Cesium-137	3.8	10.62	0.04	0.04	U	
4110-0067A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0067A-HO	07/10/08	Lead-210	7.4	19.8	0.78	0.69		
4110-0067A-HO	07/10/08	Plutonium-238	55	165.13	0.06	6.23	U	
4110-0067A-HO	07/10/08	Protactinium-231	4	11.81	0.00	1.79	U	
4110-0067A-HO	07/10/08	Radium-226	2.9	4.7	0.05	0.13	U	
4110-0067A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	6.64	U	
4110-0067A-HO	07/10/08	Thorium-232	2.1	3.5	0.48	0.15		
4110-0067A-HO	07/10/08	Uranium-238	2.2	4.2	0.39	0.41	U	
4110-0068A-HO	07/10/08	Actinium-227	4.6	13.61	0.00	0.23	U	
4110-0068A-HO	07/10/08	Americium-241	63	189	0.00	0.05	U	
4110-0068A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.01	0.04	U	
4110-0068A-HO	07/10/08	Cesium-137	3.8	10.62	0.02	0.04	U	
4110-0068A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.05	U	
4110-0068A-HO	07/10/08	Lead-210	7.4	19.8	0.52	0.55	U	
4110-0068A-HO	07/10/08	Plutonium-238	55	165.13	0.00	5.25	U	
4110-0068A-HO	07/10/08	Protactinium-231	4	11.81	0.00	1.25	U	
4110-0068A-HO	07/10/08	Radium-226	2.9	4.7	0.23	0.08		
4110-0068A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	4.89	U	
4110-0068A-HO	07/10/08	Thorium-232	2.1	3.5	0.09	0.17	U	
4110-0068A-HO	07/10/08	Uranium-238	2.2	4.2	0.32	0.27		
4110-0069A-HO	07/10/08	Actinium-227	4.6	13.61	0.18	0.31	U	
4110-0069A-HO	07/10/08	Americium-241	63	189	0.00	0.08	U	
4110-0069A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0069A-HO	07/10/08	Cesium-137	3.8	10.62	0.06	0.06	U	
4110-0069A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.05	U	
4110-0069A-HO	07/10/08	Lead-210	7.4	19.8	1.23	0.70		
4110-0069A-HO	07/10/08	Plutonium-238	55	165.13	2.87	6.76	U	
4110-0069A-HO	07/10/08	Protactinium-231	4	11.81	0.11	1.76	U	
4110-0069A-HO	07/10/08	Radium-226	2.9	4.7	0.54	0.12		
4110-0069A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	7.31	U	
4110-0069A-HO	07/10/08	Thorium-232	2.1	3.5	0.72	0.19		
4110-0069A-HO	07/10/08	Uranium-238	2.2	4.2	0.66	0.45		
4110-0070A-HO	07/10/08	Actinium-227	4.6	13.61	0.06	0.37	U	
4110-0070A-HO	07/10/08	Americium-241	63	189	0.00	0.09	U	
4110-0070A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0070A-HO	07/10/08	Cesium-137	3.8	10.62	0.02	0.05	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0070A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.09	U	
4110-0070A-HO	07/10/08	Lead-210	7.4	19.8	0.87	0.81		
4110-0070A-HO	07/10/08	Plutonium-238	55	165.13	2.11	7.92	U	
4110-0070A-HO	07/10/08	Protactinium-231	4	11.81	0.00	1.90	U	
4110-0070A-HO	07/10/08	Radium-226	2.9	4.7	0.50	0.17		
4110-0070A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	8.26	U	
4110-0070A-HO	07/10/08	Thorium-232	2.1	3.5	0.83	0.24		
4110-0070A-HO	07/10/08	Uranium-238	2.2	4.2	0.63	0.52		
4110-0071A-HO	07/10/08	Actinium-227	4.6	13.61	0.05	0.34	U	
4110-0071A-HO	07/10/08	Americium-241	63	189	0.04	0.08	U	
4110-0071A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.07	U	
4110-0071A-HO	07/10/08	Cesium-137	3.8	10.62	0.01	0.06	U	
4110-0071A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0071A-HO	07/10/08	Lead-210	7.4	19.8	0.51	0.81	U	
4110-0071A-HO	07/10/08	Plutonium-238	55	165.13	0.17	7.23	U	
4110-0071A-HO	07/10/08	Protactinium-231	4	11.81	0.00	2.03	U	
4110-0071A-HO	07/10/08	Radium-226	2.9	4.7	0.46	0.16		
4110-0071A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	7.81	U	
4110-0071A-HO	07/10/08	Thorium-232	2.1	3.5	0.75	0.23		
4110-0071A-HO	07/10/08	Uranium-238	2.2	4.2	0.77	0.47		
4110-0072A-HO	07/10/08	Actinium-227	4.6	13.61	0.00	0.36	U	
4110-0072A-HO	07/10/08	Americium-241	63	189	0.01	0.08	U	
4110-0072A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.01	0.06	U	
4110-0072A-HO	07/10/08	Cesium-137	3.8	10.62	0.39	0.06		
4110-0072A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.08	U	
4110-0072A-HO	07/10/08	Lead-210	7.4	19.8	1.17	0.76		
4110-0072A-HO	07/10/08	Plutonium-238	55	165.13	0.87	8.12	U	
4110-0072A-HO	07/10/08	Protactinium-231	4	11.81	0.00	2.01	U	
4110-0072A-HO	07/10/08	Radium-226	2.9	4.7	0.67	0.12		
4110-0072A-HO	07/10/08	Thorium-230	2.8	4.6	4.73	7.46	U	
4110-0072A-HO	07/10/08	Thorium-232	2.1	3.5	0.60	0.25		
4110-0072A-HO	07/10/08	Uranium-238	2.2	4.2	0.90	0.47		
4110-0073A-HO	07/10/08	Actinium-227	4.6	13.61	0.20	0.34	U	
4110-0073A-HO	07/10/08	Americium-241	63	189	0.02	0.08	U	
4110-0073A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0073A-HO	07/10/08	Cesium-137	3.8	10.62	0.11	0.06		
4110-0073A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.09	U	
4110-0073A-HO	07/10/08	Lead-210	7.4	19.8	0.89	0.75		
4110-0073A-HO	07/10/08	Plutonium-238	55	165.13	0.00	7.98	U	
4110-0073A-HO	07/10/08	Protactinium-231	4	11.81	0.34	1.94	U	
4110-0073A-HO	07/10/08	Radium-226	2.9	4.7	0.49	0.14		
4110-0073A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	8.12	U	
4110-0073A-HO	07/10/08	Thorium-232	2.1	3.5	0.54	0.27		
4110-0073A-HO	07/10/08	Uranium-238	2.2	4.2	0.95	0.47		
4110-0074A-HO	07/10/08	Actinium-227	4.6	13.61	0.00	0.34	U	
4110-0074A-HO	07/10/08	Americium-241	63	189	0.01	0.08	U	
4110-0074A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.01	0.06	U	
4110-0074A-HO	07/10/08	Cesium-137	3.8	10.62	0.16	0.05		
4110-0074A-HO	07/10/08	Cobalt-60	0.7	2.1	0.03	0.05	U	
4110-0074A-HO	07/10/08	Lead-210	7.4	19.8	1.70	0.72		
4110-0074A-HO	07/10/08	Plutonium-238	55	165.13	0.00	8.21	U	
4110-0074A-HO	07/10/08	Protactinium-231	4	11.81	0.00	1.68	U	
4110-0074A-HO	07/10/08	Radium-226	2.9	4.7	0.72	0.12		
4110-0074A-HO	07/10/08	Thorium-230	2.8	4.6	2.39	7.28	U	
4110-0074A-HO	07/10/08	Thorium-232	2.1	3.5	0.50	0.23		
4110-0074A-HO	07/10/08	Uranium-238	2.2	4.2	0.85	0.44		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0075A-HO	07/10/08	Actinium-227	4.6	13.61	0.06	0.34	U	
4110-0075A-HO	07/10/08	Americium-241	63	189	0.00	0.08	U	
4110-0075A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0075A-HO	07/10/08	Cesium-137	3.8	10.62	0.05	0.06	U	
4110-0075A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.08	U	
4110-0075A-HO	07/10/08	Lead-210	7.4	19.8	1.36	0.75		
4110-0075A-HO	07/10/08	Plutonium-238	55	165.13	0.00	7.98	U	
4110-0075A-HO	07/10/08	Protactinium-231	4	11.81	0.43	1.82	U	
4110-0075A-HO	07/10/08	Radium-226	2.9	4.7	0.67	0.11		
4110-0075A-HO	07/10/08	Thorium-230	2.8	4.6	3.79	7.24	U	
4110-0075A-HO	07/10/08	Thorium-232	2.1	3.5	0.42	0.22		
4110-0075A-HO	07/10/08	Uranium-238	2.2	4.2	0.80	0.46		
4110-0077A-HO	07/09/08	Actinium-227	4.6	13.61	0.01	0.34	U	
4110-0077A-HO	07/09/08	Americium-241	63	189	0.02	0.08	U	
4110-0077A-HO	07/09/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0077A-HO	07/09/08	Cesium-137	3.8	10.62	0.07	0.06		
4110-0077A-HO	07/09/08	Cobalt-60	0.7	2.1	0.01	0.07	U	
4110-0077A-HO	07/09/08	Lead-210	7.4	19.8	0.67	0.71	U	
4110-0077A-HO	07/09/08	Plutonium-238	55	165.13	6.92	7.13	U	
4110-0077A-HO	07/09/08	Protactinium-231	4	11.81	0.30	1.54	U	
4110-0077A-HO	07/09/08	Radium-226	2.9	4.7	0.71	0.13		
4110-0077A-HO	07/09/08	Thorium-230	2.8	4.6	2.16	6.73	U	
4110-0077A-HO	07/09/08	Thorium-232	2.1	3.5	0.54	0.18		
4110-0077A-HO	07/09/08	Uranium-238	2.2	4.2	0.74	0.44		
4110-0079A-HO	07/09/08	Actinium-227	4.6	13.61	0.09	0.31	U	
4110-0079A-HO	07/09/08	Americium-241	63	189	0.00	0.08	U	
4110-0079A-HO	07/09/08	Bismuth-210M	8.3	24.9	0.01	0.05	U	
4110-0079A-HO	07/09/08	Cesium-137	3.8	10.62	0.09	0.05		
4110-0079A-HO	07/09/08	Cobalt-60	0.7	2.1	0.00	0.08	U	
4110-0079A-HO	07/09/08	Lead-210	7.4	19.8	0.53	0.72	U	
4110-0079A-HO	07/09/08	Plutonium-238	55	165.13	5.17	6.50	U	
4110-0079A-HO	07/09/08	Protactinium-231	4	11.81	0.00	1.75	U	
4110-0079A-HO	07/09/08	Radium-226	2.9	4.7	0.71	0.13		
4110-0079A-HO	07/09/08	Thorium-230	2.8	4.6	3.42	6.75	U	
4110-0079A-HO	07/09/08	Thorium-232	2.1	3.5	0.40	0.19		
4110-0079A-HO	07/09/08	Uranium-238	2.2	4.2	0.83	0.40		
4110-0080A-HO	12/18/08	Actinium-227	4.6	13.61	0.04	0.09	U	
4110-0080A-HO	12/18/08	Americium-241	63	189	0.00	0.02	U	
4110-0080A-HO	12/18/08	Bismuth-210M	8.3	24.9	0.00	0.02	U	
4110-0080A-HO	12/18/08	Cesium-137	3.8	10.62	0.04	0.01		
4110-0080A-HO	12/18/08	Cobalt-60	0.7	2.1	0.01	0.02	U	
4110-0080A-HO	12/18/08	Lead-210	7.4	19.8	0.57	0.22		
4110-0080A-HO	12/18/08	Plutonium-238	55	165.13	0.00	2.08	U	
4110-0080A-HO	12/18/08	Protactinium-231	4	11.81	0.35	0.50	U	
4110-0080A-HO	12/18/08	Radium-226	2.9	4.7	0.61	0.04		
4110-0080A-HO	12/18/08	Thorium-230	2.8	4.6	0.10	2.15	U	
4110-0080A-HO	12/18/08	Thorium-232	2.1	3.5	0.38	0.06		
4110-0080A-HO	12/18/08	Uranium-238	2.2	4.2	0.65	0.15		
4110-0082A-HO	07/15/08	Actinium-227	4.6	13.61	0.05	0.30	U	
4110-0082A-HO	07/15/08	Americium-241	63	189	0.04	0.07	U	
4110-0082A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0082A-HO	07/15/08	Cesium-137	3.8	10.62	0.02	0.06	U	
4110-0082A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0082A-HO	07/15/08	Lead-210	7.4	19.8	0.18	0.69	U	
4110-0082A-HO	07/15/08	Plutonium-238	55	165.13	4.73	6.29	U	
4110-0082A-HO	07/15/08	Protactinium-231	4	11.81	0.00	1.79	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0082A-HO	07/15/08	Radium-226	2.9	4.7	0.55	0.12		
4110-0082A-HO	07/15/08	Thorium-230	2.8	4.6	5.44	6.34	U	
4110-0082A-HO	07/15/08	Thorium-232	2.1	3.5	0.54	0.16		
4110-0082A-HO	07/15/08	Uranium-238	2.2	4.2	1.05	0.39		
4110-0083A-HO	12/18/08	Actinium-227	4.6	13.61	0.01	0.08	U	
4110-0083A-HO	12/18/08	Americium-241	63	189	0.00	0.02	U	
4110-0083A-HO	12/18/08	Bismuth-210M	8.3	24.9	0.00	0.01	U	
4110-0083A-HO	12/18/08	Cesium-137	3.8	10.62	0.00	0.01	U	
4110-0083A-HO	12/18/08	Cobalt-60	0.7	2.1	0.00	0.02	U	
4110-0083A-HO	12/18/08	Lead-210	7.4	19.8	0.43	0.16		
4110-0083A-HO	12/18/08	Plutonium-238	55	165.13	0.00	1.69	U	
4110-0083A-HO	12/18/08	Protactinium-231	4	11.81	0.00	0.42	U	
4110-0083A-HO	12/18/08	Radium-226	2.9	4.7	0.44	0.03		
4110-0083A-HO	12/18/08	Thorium-230	2.8	4.6	0.22	1.64	U	
4110-0083A-HO	12/18/08	Thorium-232	2.1	3.5	0.19	0.04		
4110-0083A-HO	12/18/08	Uranium-238	2.2	4.2	0.30	0.11		
4110-0084A-HO	07/02/08	Actinium-227	4.6	13.61	0.00	0.27	U	
4110-0084A-HO	07/02/08	Americium-241	63	189	0.00	0.06	U	
4110-0084A-HO	07/02/08	Bismuth-210M	8.3	24.9	0.03	0.04	U	
4110-0084A-HO	07/02/08	Cesium-137	3.8	10.62	0.02	0.04	U	
4110-0084A-HO	07/02/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0084A-HO	07/02/08	Lead-210	7.4	19.8	0.51	0.60	U	
4110-0084A-HO	07/02/08	Plutonium-238	55	165.13	0.42	5.79	U	
4110-0084A-HO	07/02/08	Protactinium-231	4	11.81	0.50	1.27	U	
4110-0084A-HO	07/02/08	Radium-226	2.9	4.7	0.48	0.12		
4110-0084A-HO	07/02/08	Thorium-230	2.8	4.6	0.04	5.80	U	
4110-0084A-HO	07/02/08	Thorium-232	2.1	3.5	0.10	0.20	U	
4110-0084A-HO	07/02/08	Uranium-238	2.2	4.2	0.57	0.34		
4110-0085A-HO	07/10/08	Actinium-227	4.6	13.61	0.11	0.34	U	
4110-0085A-HO	07/10/08	Americium-241	63	189	0.01	0.09	U	
4110-0085A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.01	0.06	U	
4110-0085A-HO	07/10/08	Cesium-137	3.8	10.62	0.19	0.06		
4110-0085A-HO	07/10/08	Cobalt-60	0.7	2.1	0.02	0.06	U	
4110-0085A-HO	07/10/08	Lead-210	7.4	19.8	0.81	0.78		
4110-0085A-HO	07/10/08	Plutonium-238	55	165.13	0.00	8.05	U	
4110-0085A-HO	07/10/08	Protactinium-231	4	11.81	0.30	1.88	U	
4110-0085A-HO	07/10/08	Radium-226	2.9	4.7	0.46	0.14		
4110-0085A-HO	07/10/08	Thorium-230	2.8	4.6	0.00	8.15	U	
4110-0085A-HO	07/10/08	Thorium-232	2.1	3.5	0.81	0.19		
4110-0085A-HO	07/10/08	Uranium-238	2.2	4.2	0.87	0.47		
4110-0086A-HO	07/10/08	Actinium-227	4.6	13.61	0.00	0.33	U	
4110-0086A-HO	07/10/08	Americium-241	63	189	0.00	0.08	U	
4110-0086A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0086A-HO	07/10/08	Cesium-137	3.8	10.62	0.15	0.05		
4110-0086A-HO	07/10/08	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0086A-HO	07/10/08	Lead-210	7.4	19.8	0.84	0.69		
4110-0086A-HO	07/10/08	Plutonium-238	55	165.13	1.62	6.35	U	
4110-0086A-HO	07/10/08	Protactinium-231	4	11.81	0.36	1.60	U	
4110-0086A-HO	07/10/08	Radium-226	2.9	4.7	0.47	0.14		
4110-0086A-HO	07/10/08	Thorium-230	2.8	4.6	1.21	6.38	U	
4110-0086A-HO	07/10/08	Thorium-232	2.1	3.5	0.38	0.22		
4110-0086A-HO	07/10/08	Uranium-238	2.2	4.2	0.47	0.45		
4110-0087A-HO	07/10/08	Actinium-227	4.6	13.61	0.04	0.15	U	
4110-0087A-HO	07/10/08	Americium-241	63	189	0.01	0.04	U	
4110-0087A-HO	07/10/08	Bismuth-210M	8.3	24.9	0.01	0.03	U	
4110-0087A-HO	07/10/08	Cesium-137	3.8	10.62	0.02	0.03	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0087A-HO	07/10/08	Cobalt-60	0.7	2.1	0.01	0.03	U	
4110-0087A-HO	07/10/08	Lead-210	7.4	19.8	1.25	0.35		
4110-0087A-HO	07/10/08	Plutonium-238	55	165.13	0.00	3.31	U	
4110-0087A-HO	07/10/08	Protactinium-231	4	11.81	0.23	0.80	U	
4110-0087A-HO	07/10/08	Radium-226	2.9	4.7	0.54	0.05		
4110-0087A-HO	07/10/08	Thorium-230	2.8	4.6	1.10	3.25	U	
4110-0087A-HO	07/10/08	Thorium-232	2.1	3.5	0.41	0.09		
4110-0087A-HO	07/10/08	Uranium-238	2.2	4.2	0.60	0.21		
4110-0089A-HO	07/09/08	Actinium-227	4.6	13.61	0.07	0.31	U	
4110-0089A-HO	07/09/08	Americium-241	63	189	0.00	0.08	U	
4110-0089A-HO	07/09/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0089A-HO	07/09/08	Cesium-137	3.8	10.62	0.11	0.07		
4110-0089A-HO	07/09/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0089A-HO	07/09/08	Lead-210	7.4	19.8	1.07	0.69		
4110-0089A-HO	07/09/08	Plutonium-238	55	165.13	1.31	7.62	U	
4110-0089A-HO	07/09/08	Protactinium-231	4	11.81	0.18	1.73	U	
4110-0089A-HO	07/09/08	Radium-226	2.9	4.7	0.63	0.12		
4110-0089A-HO	07/09/08	Thorium-230	2.8	4.6	0.00	7.24	U	
4110-0089A-HO	07/09/08	Thorium-232	2.1	3.5	0.47	0.17		
4110-0089A-HO	07/09/08	Uranium-238	2.2	4.2	0.79	0.43		
4110-0091A-HO	07/09/08	Actinium-227	4.6	13.61	0.00	0.36	U	
4110-0091A-HO	07/09/08	Americium-241	63	189	0.05	0.07	U	
4110-0091A-HO	07/09/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0091A-HO	07/09/08	Cesium-137	3.8	10.62	0.07	0.05		
4110-0091A-HO	07/09/08	Cobalt-60	0.7	2.1	0.02	0.06	U	
4110-0091A-HO	07/09/08	Lead-210	7.4	19.8	1.06	0.76		
4110-0091A-HO	07/09/08	Plutonium-238	55	165.13	0.00	7.65	U	
4110-0091A-HO	07/09/08	Protactinium-231	4	11.81	0.44	1.77	U	
4110-0091A-HO	07/09/08	Radium-226	2.9	4.7	0.58	0.15		
4110-0091A-HO	07/09/08	Thorium-230	2.8	4.6	3.90	7.28	U	
4110-0091A-HO	07/09/08	Thorium-232	2.1	3.5	0.56	0.19		
4110-0091A-HO	07/09/08	Uranium-238	2.2	4.2	0.88	0.46		
4110-0092A-HO	12/18/08	Actinium-227	4.6	13.61	0.01	0.08	U	
4110-0092A-HO	12/18/08	Americium-241	63	189	0.00	0.02	U	
4110-0092A-HO	12/18/08	Bismuth-210M	8.3	24.9	0.00	0.01	U	
4110-0092A-HO	12/18/08	Cesium-137	3.8	10.62	0.00	0.01	U	
4110-0092A-HO	12/18/08	Cobalt-60	0.7	2.1	0.00	0.01	U	
4110-0092A-HO	12/18/08	Lead-210	7.4	19.8	1.47	0.21		
4110-0092A-HO	12/18/08	Plutonium-238	55	165.13	0.86	2.00	U	
4110-0092A-HO	12/18/08	Protactinium-231	4	11.81	0.13	0.46	U	
4110-0092A-HO	12/18/08	Radium-226	2.9	4.7	0.21	0.03		
4110-0092A-HO	12/18/08	Thorium-230	2.8	4.6	0.00	1.71	U	
4110-0092A-HO	12/18/08	Thorium-232	2.1	3.5	0.16	0.05		
4110-0092A-HO	12/18/08	Uranium-238	2.2	4.2	0.20	0.11		
4110-0093A-HO	12/18/08	Actinium-227	4.6	13.61	0.06	0.08	U	
4110-0093A-HO	12/18/08	Americium-241	63	189	0.00	0.02	U	
4110-0093A-HO	12/18/08	Bismuth-210M	8.3	24.9	0.00	0.01	U	
4110-0093A-HO	12/18/08	Cesium-137	3.8	10.62	0.00	0.01	U	
4110-0093A-HO	12/18/08	Cobalt-60	0.7	2.1	0.00	0.01	U	
4110-0093A-HO	12/18/08	Lead-210	7.4	19.8	0.31	0.17		
4110-0093A-HO	12/18/08	Plutonium-238	55	165.13	0.87	1.68	U	
4110-0093A-HO	12/18/08	Protactinium-231	4	11.81	0.04	0.42	U	
4110-0093A-HO	12/18/08	Radium-226	2.9	4.7	0.56	0.03		
4110-0093A-HO	12/18/08	Thorium-230	2.8	4.6	0.00	1.75	U	
4110-0093A-HO	12/18/08	Thorium-232	2.1	3.5	0.36	0.04		
4110-0093A-HO	12/18/08	Uranium-238	2.2	4.2	0.40	0.11		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0094A-HO	12/18/08	Actinium-227	4.6	13.61	0.00	0.09	U	
4110-0094A-HO	12/18/08	Americium-241	63	189	0.00	0.02	U	
4110-0094A-HO	12/18/08	Bismuth-210M	8.3	24.9	0.00	0.01	U	
4110-0094A-HO	12/18/08	Cesium-137	3.8	10.62	0.00	0.01	U	
4110-0094A-HO	12/18/08	Cobalt-60	0.7	2.1	0.00	0.02	U	
4110-0094A-HO	12/18/08	Lead-210	7.4	19.8	0.46	0.19		
4110-0094A-HO	12/18/08	Plutonium-238	55	165.13	0.00	1.94	U	
4110-0094A-HO	12/18/08	Protactinium-231	4	11.81	0.00	0.47	U	
4110-0094A-HO	12/18/08	Radium-226	2.9	4.7	0.52	0.04		
4110-0094A-HO	12/18/08	Thorium-230	2.8	4.6	0.87	1.90	U	
4110-0094A-HO	12/18/08	Thorium-232	2.1	3.5	0.34	0.05		
4110-0094A-HO	12/18/08	Uranium-238	2.2	4.2	0.40	0.12		
4110-0096A-HO	07/01/08	Actinium-227	4.6	13.61	0.00	0.31	U	
4110-0096A-HO	07/01/08	Americium-241	63	189	0.00	0.08	U	
4110-0096A-HO	07/01/08	Bismuth-210M	8.3	24.9	0.02	0.05	U	
4110-0096A-HO	07/01/08	Cesium-137	3.8	10.62	0.01	0.05	U	
4110-0096A-HO	07/01/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0096A-HO	07/01/08	Lead-210	7.4	19.8	0.00	0.74	U	
4110-0096A-HO	07/01/08	Plutonium-238	55	165.13	0.00	7.05	U	
4110-0096A-HO	07/01/08	Protactinium-231	4	11.81	0.00	1.86	U	
4110-0096A-HO	07/01/08	Radium-226	2.9	4.7	0.59	0.14		
4110-0096A-HO	07/01/08	Thorium-230	2.8	4.6	1.80	6.56	U	
4110-0096A-HO	07/01/08	Thorium-232	2.1	3.5	0.51	0.17		
4110-0096A-HO	07/01/08	Uranium-238	2.2	4.2	0.36	0.46	U	
4110-0097A-HO	07/09/08	Actinium-227	4.6	13.61	0.04	0.35	U	
4110-0097A-HO	07/09/08	Americium-241	63	189	0.04	0.08	U	
4110-0097A-HO	07/09/08	Bismuth-210M	8.3	24.9	0.01	0.06	U	
4110-0097A-HO	07/09/08	Cesium-137	3.8	10.62	0.06	0.06	U	
4110-0097A-HO	07/09/08	Cobalt-60	0.7	2.1	0.02	0.06	U	
4110-0097A-HO	07/09/08	Lead-210	7.4	19.8	1.01	0.83		
4110-0097A-HO	07/09/08	Plutonium-238	55	165.13	0.00	7.84	U	
4110-0097A-HO	07/09/08	Protactinium-231	4	11.81	0.00	1.87	U	
4110-0097A-HO	07/09/08	Radium-226	2.9	4.7	0.76	0.16		
4110-0097A-HO	07/09/08	Thorium-230	2.8	4.6	0.00	8.20	U	
4110-0097A-HO	07/09/08	Thorium-232	2.1	3.5	0.59	0.24		
4110-0097A-HO	07/09/08	Uranium-238	2.2	4.2	1.05	0.47		
4110-0098A-HO	07/09/08	Actinium-227	4.6	13.61	0.00	0.34	U	
4110-0098A-HO	07/09/08	Americium-241	63	189	0.00	0.07	U	
4110-0098A-HO	07/09/08	Bismuth-210M	8.3	24.9	0.01	0.05	U	
4110-0098A-HO	07/09/08	Cesium-137	3.8	10.62	0.04	0.06	U	
4110-0098A-HO	07/09/08	Cobalt-60	0.7	2.1	0.02	0.04	U	
4110-0098A-HO	07/09/08	Lead-210	7.4	19.8	1.07	0.74		
4110-0098A-HO	07/09/08	Plutonium-238	55	165.13	1.44	7.03	U	
4110-0098A-HO	07/09/08	Protactinium-231	4	11.81	0.36	1.57	U	
4110-0098A-HO	07/09/08	Radium-226	2.9	4.7	0.58	0.13		
4110-0098A-HO	07/09/08	Thorium-230	2.8	4.6	0.00	7.63	U	
4110-0098A-HO	07/09/08	Thorium-232	2.1	3.5	0.48	0.16		
4110-0098A-HO	07/09/08	Uranium-238	2.2	4.2	0.68	0.38		
4110-0099A-HO	07/09/08	Actinium-227	4.6	13.61	0.00	0.35	U	
4110-0099A-HO	07/09/08	Americium-241	63	189	0.00	0.08	U	
4110-0099A-HO	07/09/08	Bismuth-210M	8.3	24.9	0.01	0.06	U	
4110-0099A-HO	07/09/08	Cesium-137	3.8	10.62	0.04	0.06	U	
4110-0099A-HO	07/09/08	Cobalt-60	0.7	2.1	0.01	0.06	U	
4110-0099A-HO	07/09/08	Lead-210	7.4	19.8	1.23	0.73		
4110-0099A-HO	07/09/08	Plutonium-238	55	165.13	0.00	7.72	U	
4110-0099A-HO	07/09/08	Protactinium-231	4	11.81	0.10	1.78	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0099A-HO	07/09/08	Radium-226	2.9	4.7	0.55	0.14		
4110-0099A-HO	07/09/08	Thorium-230	2.8	4.6	0.68	7.03	U	
4110-0099A-HO	07/09/08	Thorium-232	2.1	3.5	0.56	0.19		
4110-0099A-HO	07/09/08	Uranium-238	2.2	4.2	0.18	0.50	U	
4110-0100A-HO	07/09/08	Actinium-227	4.6	13.61	0.04	0.32	U	
4110-0100A-HO	07/09/08	Americium-241	63	189	0.00	0.08	U	
4110-0100A-HO	07/09/08	Bismuth-210M	8.3	24.9	0.00	0.06	U	
4110-0100A-HO	07/09/08	Cesium-137	3.8	10.62	0.01	0.06	U	
4110-0100A-HO	07/09/08	Cobalt-60	0.7	2.1	0.00	0.08	U	
4110-0100A-HO	07/09/08	Lead-210	7.4	19.8	0.48	0.74	U	
4110-0100A-HO	07/09/08	Plutonium-238	55	165.13	0.00	7.93	U	
4110-0100A-HO	07/09/08	Protactinium-231	4	11.81	0.70	1.65	U	
4110-0100A-HO	07/09/08	Radium-226	2.9	4.7	0.91	0.11		
4110-0100A-HO	07/09/08	Thorium-230	2.8	4.6	0.25	7.09	U	
4110-0100A-HO	07/09/08	Thorium-232	2.1	3.5	0.41	0.19		
4110-0100A-HO	07/09/08	Uranium-238	2.2	4.2	0.79	0.44		
4110-0101A-HO	12/18/08	Actinium-227	4.6	13.61	0.00	0.08	U	
4110-0101A-HO	12/18/08	Americium-241	63	189	0.01	0.02	U	
4110-0101A-HO	12/18/08	Bismuth-210M	8.3	24.9	0.00	0.01	U	
4110-0101A-HO	12/18/08	Cesium-137	3.8	10.62	0.05	0.01		
4110-0101A-HO	12/18/08	Cobalt-60	0.7	2.1	0.00	0.02	U	
4110-0101A-HO	12/18/08	Lead-210	7.4	19.8	0.45	0.20		
4110-0101A-HO	12/18/08	Plutonium-238	55	165.13	0.00	1.84	U	
4110-0101A-HO	12/18/08	Protactinium-231	4	11.81	0.00	0.45	U	
4110-0101A-HO	12/18/08	Radium-226	2.9	4.7	0.59	0.04		
4110-0101A-HO	12/18/08	Thorium-230	2.8	4.6	0.28	1.85	U	
4110-0101A-HO	12/18/08	Thorium-232	2.1	3.5	0.33	0.05		
4110-0101A-HO	12/18/08	Uranium-238	2.2	4.2	0.59	0.11		
4110-0102A-HO	12/18/08	Actinium-227	4.6	13.61	0.00	0.11	U	
4110-0102A-HO	12/18/08	Americium-241	63	189	0.00	0.03	U	
4110-0102A-HO	12/18/08	Bismuth-210M	8.3	24.9	0.00	0.02	U	
4110-0102A-HO	12/18/08	Cesium-137	3.8	10.62	0.01	0.02	U	
4110-0102A-HO	12/18/08	Cobalt-60	0.7	2.1	0.01	0.02	U	
4110-0102A-HO	12/18/08	Lead-210	7.4	19.8	0.34	0.27		
4110-0102A-HO	12/18/08	Plutonium-238	55	165.13	0.71	2.23	U	
4110-0102A-HO	12/18/08	Protactinium-231	4	11.81	0.00	0.59	U	
4110-0102A-HO	12/18/08	Radium-226	2.9	4.7	0.69	0.04		
4110-0102A-HO	12/18/08	Thorium-230	2.8	4.6	1.87	2.31	U	
4110-0102A-HO	12/18/08	Thorium-232	2.1	3.5	0.55	0.06		
4110-0102A-HO	12/18/08	Uranium-238	2.2	4.2	0.89	0.14		
4110-0103A-HO	12/18/08	Actinium-227	4.6	13.61	0.00	0.09	U	
4110-0103A-HO	12/18/08	Americium-241	63	189	0.00	0.02	U	
4110-0103A-HO	12/18/08	Bismuth-210M	8.3	24.9	0.00	0.01	U	
4110-0103A-HO	12/18/08	Cesium-137	3.8	10.62	0.01	0.01		
4110-0103A-HO	12/18/08	Cobalt-60	0.7	2.1	0.01	0.01		
4110-0103A-HO	12/18/08	Lead-210	7.4	19.8	1.88	0.23		
4110-0103A-HO	12/18/08	Plutonium-238	55	165.13	0.24	1.92	U	
4110-0103A-HO	12/18/08	Protactinium-231	4	11.81	0.00	0.45	U	
4110-0103A-HO	12/18/08	Radium-226	2.9	4.7	0.41	0.03		
4110-0103A-HO	12/18/08	Thorium-230	2.8	4.6	0.64	1.77	U	
4110-0103A-HO	12/18/08	Thorium-232	2.1	3.5	0.25	0.04		
4110-0103A-HO	12/18/08	Uranium-238	2.2	4.2	0.42	0.12		
4110-0104A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.30	U	
4110-0104A-HO	07/15/08	Americium-241	63	189	0.00	0.07	U	
4110-0104A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0104A-HO	07/15/08	Cesium-137	3.8	10.62	0.01	0.04	U	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0104A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0104A-HO	07/15/08	Lead-210	7.4	19.8	0.43	0.67	U	
4110-0104A-HO	07/15/08	Plutonium-238	55	165.13	0.00	6.74	U	
4110-0104A-HO	07/15/08	Protactinium-231	4	11.81	0.09	1.61	U	
4110-0104A-HO	07/15/08	Radium-226	2.9	4.7	0.56	0.14		
4110-0104A-HO	07/15/08	Thorium-230	2.8	4.6	0.00	6.50	U	
4110-0104A-HO	07/15/08	Thorium-232	2.1	3.5	0.40	0.19		
4110-0104A-HO	07/15/08	Uranium-238	2.2	4.2	0.43	0.40		
4110-0105A-HO	07/15/08	Actinium-227	4.6	13.61	0.00	0.27	U	
4110-0105A-HO	07/15/08	Americium-241	63	189	0.00	0.07	U	
4110-0105A-HO	07/15/08	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0105A-HO	07/15/08	Cesium-137	3.8	10.62	0.04	0.04		
4110-0105A-HO	07/15/08	Cobalt-60	0.7	2.1	0.00	0.07	U	
4110-0105A-HO	07/15/08	Lead-210	7.4	19.8	0.58	0.60	U	
4110-0105A-HO	07/15/08	Plutonium-238	55	165.13	0.00	5.88	U	
4110-0105A-HO	07/15/08	Protactinium-231	4	11.81	0.56	1.24	U	
4110-0105A-HO	07/15/08	Radium-226	2.9	4.7	0.47	0.11		
4110-0105A-HO	07/15/08	Thorium-230	2.8	4.6	0.19	5.87	U	
4110-0105A-HO	07/15/08	Thorium-232	2.1	3.5	0.40	0.16		
4110-0105A-HO	07/15/08	Uranium-238	2.2	4.2	0.59	0.36		
4110-0088A-HO	09/02/08	Actinium-227	4.6	13.61	0.20	0.21	U	
4110-0088A-HO	09/02/08	Americium-241	63	189	0.00	0.05	U	
4110-0088A-HO	09/02/08	Bismuth-210M	8.3	24.9	0.00	0.04	U	
4110-0088A-HO	09/02/08	Cesium-137	3.8	10.62	0.01	0.04	U	
4110-0088A-HO	09/02/08	Cobalt-60	0.7	2.1	0.04	0.00		
4110-0088A-HO	09/02/08	Lead-210	7.4	19.8	2.01	0.58		
4110-0088A-HO	09/02/08	Plutonium-238	55	165.13	1.02	5.67	U	
4110-0088A-HO	09/02/08	Protactinium-231	4	11.81	0.08	1.31	U	
4110-0088A-HO	09/02/08	Radium-226	2.9	4.7	0.50	0.11		
4110-0088A-HO	09/02/08	Thorium-230	2.8	4.6	0.00	4.93	U	
4110-0088A-HO	09/02/08	Thorium-232	2.1	3.5	0.31	0.14		
4110-0088A-HO	09/02/08	Uranium-238	2.2	4.2	0.48	0.25		
4110-0090A-HO	09/02/08	Actinium-227	4.6	13.61	0.00	0.17	U	
4110-0090A-HO	09/02/08	Americium-241	63	189	0.00	0.04	U	
4110-0090A-HO	09/02/08	Bismuth-210M	8.3	24.9	0.00	0.03	U	
4110-0090A-HO	09/02/08	Cesium-137	3.8	10.62	0.05	0.03		
4110-0090A-HO	09/02/08	Cobalt-60	0.7	2.1	0.00	0.04	U	
4110-0090A-HO	09/02/08	Lead-210	7.4	19.8	1.51	0.45		
4110-0090A-HO	09/02/08	Plutonium-238	55	165.13	0.00	3.82	U	
4110-0090A-HO	09/02/08	Protactinium-231	4	11.81	0.00	0.97	U	
4110-0090A-HO	09/02/08	Radium-226	2.9	4.7	0.41	0.07		
4110-0090A-HO	09/02/08	Thorium-230	2.8	4.6	0.00	3.68	U	
4110-0090A-HO	09/02/08	Thorium-232	2.1	3.5	0.18	0.11		
4110-0090A-HO	09/02/08	Uranium-238	2.2	4.2	0.46	0.22		
4110-0095A-HO	09/02/08	Actinium-227	4.6	13.61	0.12	0.23	U	
4110-0095A-HO	09/02/08	Americium-241	63	189	0.00	0.06	U	
4110-0095A-HO	09/02/08	Bismuth-210M	8.3	24.9	0.00	0.04	U	
4110-0095A-HO	09/02/08	Cesium-137	3.8	10.62	0.02	0.04	U	
4110-0095A-HO	09/02/08	Cobalt-60	0.7	2.1	0.02	0.05	U	
4110-0095A-HO	09/02/08	Lead-210	7.4	19.8	0.72	0.52		
4110-0095A-HO	09/02/08	Plutonium-238	55	165.13	0.00	5.41	U	
4110-0095A-HO	09/02/08	Protactinium-231	4	11.81	0.00	1.29	U	
4110-0095A-HO	09/02/08	Radium-226	2.9	4.7	0.74	0.09		
4110-0095A-HO	09/02/08	Thorium-230	2.8	4.6	0.43	5.16	U	
4110-0095A-HO	09/02/08	Thorium-232	2.1	3.5	0.45	0.15		
4110-0095A-HO	09/02/08	Uranium-238	2.2	4.2	0.79	0.32		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Detection Limit pCi/g	Flag	Result above CO
4110-0051A-HO	9/2/2008	Actinium-227	4.6	13.61	0.00	0.25	U	
4110-0051A-HO	9/2/2008	Americium-241	63	189	0.01	0.06	U	
4110-0051A-HO	9/2/2008	Bismuth-210M	8.3	24.9	0.00	0.04	U	
4110-0051A-HO	9/2/2008	Cesium-137	3.8	10.62	0.06	0.03		
4110-0051A-HO	9/2/2008	Cobalt-60	0.7	2.1	0.02	0.03	U	
4110-0051A-HO	9/2/2008	Lead-210	7.4	19.8	1.03	0.56		
4110-0051A-HO	9/2/2008	Plutonium-238	55	165.13	1.30	5.09	U	
4110-0051A-HO	9/2/2008	Protactinium-231	4	11.81	0.67	1.15	U	
4110-0051A-HO	9/2/2008	Radium-226	2.9	4.7	0.62	0.08		
4110-0051A-HO	9/2/2008	Thorium-230	2.8	4.6	0.00	5.38	U	
4110-0051A-HO	9/2/2008	Thorium-232	2.1	3.5	0.48	0.17		
4110-0051A-HO	9/2/2008	Uranium-238	2.2	4.2	0.20	0.36	U	
4110-0053A-HO	9/2/2008	Actinium-227	4.6	13.61	0.06	0.27	U	
4110-0053A-HO	9/2/2008	Americium-241	63	189	0.00	0.06	U	
4110-0053A-HO	9/2/2008	Bismuth-210M	8.3	24.9	0.00	0.05	U	
4110-0053A-HO	9/2/2008	Cesium-137	3.8	10.62	0.04	0.05	U	
4110-0053A-HO	9/2/2008	Cobalt-60	0.7	2.1	0.00	0.05	U	
4110-0053A-HO	9/2/2008	Lead-210	7.4	19.8	1.23	0.57		
4110-0053A-HO	9/2/2008	Plutonium-238	55	165.13	0.00	6.12	U	
4110-0053A-HO	9/2/2008	Protactinium-231	4	11.81	0.34	1.29	U	
4110-0053A-HO	9/2/2008	Radium-226	2.9	4.7	0.77	0.08		
4110-0053A-HO	9/2/2008	Thorium-230	2.8	4.6	0.20	5.82	U	
4110-0053A-HO	9/2/2008	Thorium-232	2.1	3.5	0.64	0.16		
4110-0053A-HO	9/2/2008	Uranium-238	2.2	4.2	0.92	0.36		
4110-0076A-HO	9/2/2008	Actinium-227	4.6	13.61	0.01	0.20	U	
4110-0076A-HO	9/2/2008	Americium-241	63	189	0.00	0.05	U	
4110-0076A-HO	9/2/2008	Bismuth-210M	8.3	24.9	0.00	0.04	U	
4110-0076A-HO	9/2/2008	Cesium-137	3.8	10.62	0.01	0.03	U	
4110-0076A-HO	9/2/2008	Cobalt-60	0.7	2.1	0.00	0.06	U	
4110-0076A-HO	9/2/2008	Lead-210	7.4	19.8	1.50	0.50		
4110-0076A-HO	9/2/2008	Plutonium-238	55	165.13	0.00	4.68	U	
4110-0076A-HO	9/2/2008	Protactinium-231	4	11.81	0.14	1.07	U	
4110-0076A-HO	9/2/2008	Radium-226	2.9	4.7	0.48	0.08		
4110-0076A-HO	9/2/2008	Thorium-230	2.8	4.6	0.00	4.43	U	
4110-0076A-HO	9/2/2008	Thorium-232	2.1	3.5	0.36	0.11		
4110-0076A-HO	9/2/2008	Uranium-238	2.2	4.2	0.50	0.28		
4110-0078A-HO	9/2/2008	Actinium-227	4.6	13.61	0.01	0.26	U	
4110-0078A-HO	9/2/2008	Americium-241	63	189	0.03	0.06	U	
4110-0078A-HO	9/2/2008	Bismuth-210M	8.3	24.9	0.03	0.04	U	
4110-0078A-HO	9/2/2008	Cesium-137	3.8	10.62	0.05	0.04		
4110-0078A-HO	9/2/2008	Cobalt-60	0.7	2.1	0.03	0.05	U	
4110-0078A-HO	9/2/2008	Lead-210	7.4	19.8	1.70	0.60		
4110-0078A-HO	9/2/2008	Plutonium-238	55	165.13	1.71	5.66	U	
4110-0078A-HO	9/2/2008	Protactinium-231	4	11.81	0.03	1.35	U	
4110-0078A-HO	9/2/2008	Radium-226	2.9	4.7	0.69	0.10		
4110-0078A-HO	9/2/2008	Thorium-230	2.8	4.6	0.00	5.85	U	
4110-0078A-HO	9/2/2008	Thorium-232	2.1	3.5	0.65	0.16		
4110-0078A-HO	9/2/2008	Uranium-238	2.2	4.2	1.00	0.38		

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Results pCi/g	Minimum Detection Limit pCi/g	Flag	Analysis	Greater than CO
4110-0006A-HO	7/7/2008	Actinium 227	4.60	13.61	0.19	0.24	U	Gamma	
4110-0006A-HO	7/7/2008	Actinium 228	1.93	5.80	0.62	0.23		Gamma	
4110-0006A-HO	7/7/2008	Americium 241	63.00	189.00	0.02	0.17	U	Gamma	
4110-0006A-HO	7/7/2008	Bismuth-207	1.20	3.60	0.02	0.11	U	Gamma	
4110-0006A-HO	7/7/2008	Bismuth-210M	8.30	24.90	0.00	0.08	U	Gamma	
4110-0006A-HO	7/7/2008	Cesium 137	3.80	10.62	0.05	0.07	U	Gamma	
4110-0006A-HO	7/7/2008	Cobalt 60	0.70	2.10	0.00	0.10	U	Gamma	
4110-0006A-HO	7/7/2008	Lead 210	7.40	19.80	0.90	1.70	U	Gamma	
4110-0006A-HO	7/7/2008	Lead 212	16.60	49.80	0.51	0.12		Gamma	
4110-0006A-HO	7/7/2008	Lead 214	8.92	26.80	0.81	0.13		Gamma	
4110-0006A-HO	7/7/2008	Plutonium 238	55.00	165.13	3.77	0.08		ISO Pu	
4110-0006A-HO	7/7/2008	Plutonium 239/40	62.00	181.00	0.02	0.05	U	ISO Pu	
4110-0006A-HO	7/7/2008	Protactinium 231	4.00	11.81	0.00	2.10	U	Gamma	
4110-0006A-HO	7/7/2008	Radium (226)	2.90	4.70	0.81	0.08		Gamma	
4110-0006A-HO	7/7/2008	Thorium 228	2.60	4.80	0.52	0.08	J	ISO Th	
4110-0006A-HO	7/7/2008	Thorium 229	5.06	15.20	-0.01	0.90	U	Gamma	
4110-0006A-HO	7/7/2008	Thorium 230	2.80	4.60	1.28	0.06		ISO Th	
4110-0006A-HO	7/7/2008	Thorium 232	2.10	3.50	0.69	0.03	J	ISO Th	
4110-0006A-HO	7/7/2008	Uranium 235	3.20		0.11	0.36	U	Gamma	
4110-0006A-HO	7/7/2008	Uranium 238	2.20	4.20	1.30	1.70	U	Gamma	
4110-0014A-HO	7/11/2008	Actinium 227	4.60	13.61	-0.19	0.47	U	Gamma	
4110-0014A-HO	7/11/2008	Actinium 228	1.93	5.80	0.79	0.23		Gamma	
4110-0014A-HO	7/11/2008	Americium 241	63.00	189.00	0.03	0.15	U	Gamma	
4110-0014A-HO	7/11/2008	Bismuth-207	1.20	3.60	0.01	0.10	U	Gamma	
4110-0014A-HO	7/11/2008	Bismuth-210M	8.30	24.90	0.00	0.11	U	Gamma	
4110-0014A-HO	7/11/2008	Cesium 137	3.80	10.62	0.17	0.04	J	Gamma	
4110-0014A-HO	7/11/2008	Cobalt 60	0.70	2.10	0.02	0.07	U	Gamma	
4110-0014A-HO	7/11/2008	Lead 210	7.40	19.80	2.30	1.50	J	Gamma	
4110-0014A-HO	7/11/2008	Lead 212	16.60	49.80	0.70	0.12		Gamma	
4110-0014A-HO	7/11/2008	Lead 214	8.92	26.80	0.68	0.10		Gamma	
4110-0014A-HO	7/11/2008	Plutonium 238	55.00	165.13	3.48	0.08		ISO Pu	
4110-0014A-HO	7/11/2008	Plutonium 239/40	62.00	181.00	0.01	0.06	U	ISO Pu	
4110-0014A-HO	7/11/2008	Protactinium 231	4.00	11.81	0.00	1.90	U	Gamma	
4110-0014A-HO	7/11/2008	Radium (226)	2.90	4.70	0.63	0.12		Gamma	
4110-0014A-HO	7/11/2008	Thorium 228	2.60	4.80	0.94	0.07	J	ISO Th	
4110-0014A-HO	7/11/2008	Thorium 229	5.06	15.20	0.00	0.91	U	Gamma	
4110-0014A-HO	7/11/2008	Thorium 230	2.80	4.60	1.27	0.05		ISO Th	
4110-0014A-HO	7/11/2008	Thorium 232	2.10	3.50	1.09	0.05		ISO Th	
4110-0014A-HO	7/11/2008	Uranium 235	3.20		0.15	0.31	U	Gamma	
4110-0014A-HO	7/11/2008	Uranium 238	2.20	4.20	1.73	1.00		Gamma	
4110-0019A-HO	7/15/2008	Actinium 227	4.60	13.61	0.12	0.27	U	Gamma	
4110-0019A-HO	7/15/2008	Actinium 228	1.93	5.80	1.12	0.22		Gamma	
4110-0019A-HO	7/15/2008	Americium 241	63.00	189.00	-0.02	0.20	U	Gamma	
4110-0019A-HO	7/15/2008	Bismuth 214	1.17	3.51	1.04	0.11		Gamma	
4110-0019A-HO	7/15/2008	Bismuth-207	1.20	3.60	0.00	0.05	U	Gamma	
4110-0019A-HO	7/15/2008	Bismuth-210M	8.30	24.90	0.01	0.12	U	Gamma	
4110-0019A-HO	7/15/2008	Cesium 137	3.80	10.62	-0.01	0.10	U	Gamma	
4110-0019A-HO	7/15/2008	Cobalt 60	0.70	2.10	-0.01	0.09	U	Gamma	
4110-0019A-HO	7/15/2008	Lead 210	7.40	19.80	1.20	2.00	U	Gamma	
4110-0019A-HO	7/15/2008	Lead 212	16.60	49.80	1.02	0.11		Gamma	
4110-0019A-HO	7/15/2008	Lead 214	8.92	26.80	1.11	0.11		Gamma	
4110-0019A-HO	7/15/2008	Plutonium 238	55.00	165.13	0.68	0.08	J	ISO Pu	
4110-0019A-HO	7/15/2008	Plutonium 239/40	62.00	181.00	0.01	0.04	U	ISO Pu	
4110-0019A-HO	7/15/2008	Protactinium 231	4.00	11.81	0.00	2.50	U	Gamma	
4110-0019A-HO	7/15/2008	Radium (226)	2.90	4.70	1.04	0.11		Gamma	
4110-0019A-HO	7/15/2008	Thorium 228	2.60	4.80	0.91	0.06	J	ISO Th	
4110-0019A-HO	7/15/2008	Thorium 229	5.06	15.20	-0.30	1.00	U	Gamma	
4110-0019A-HO	7/15/2008	Thorium 230	2.80	4.60	1.21	0.06		ISO Th	
4110-0019A-HO	7/15/2008	Thorium 232	2.10	3.50	0.98	0.07	J	ISO Th	
4110-0019A-HO	7/15/2008	Uranium 235	3.20		0.07	0.41	U	Gamma	
4110-0019A-HO	7/15/2008	Uranium 238	2.20	4.20	0.81	1.50	U	Gamma	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Results pCi/g	Minimum Detection Limit pCi/g	Flag	Analysis	Greater than CO
4110-0025A-HO	7/11/2008	Actinium 227	4.60	13.61	0.19	0.19	U	Gamma	
4110-0025A-HO	7/11/2008	Actinium 228	1.93	5.80	0.99	0.13		Gamma	
4110-0025A-HO	7/11/2008	Americium 241	63.00	189.00	-0.03	0.16	U	Gamma	
4110-0025A-HO	7/11/2008	Bismuth 214	1.17	3.51	0.60	0.15		Gamma	
4110-0025A-HO	7/11/2008	Bismuth-207	1.20	3.60	0.02	0.11	U	Gamma	
4110-0025A-HO	7/11/2008	Bismuth-210M	8.30	24.90	0.01	0.08	U	Gamma	
4110-0025A-HO	7/11/2008	Cesium 137	3.80	10.62	0.01	0.07	U	Gamma	
4110-0025A-HO	7/11/2008	Cobalt 60	0.70	2.10	-0.02	0.10	U	Gamma	
4110-0025A-HO	7/11/2008	Lead 210	7.40	19.80	1.50	2.10	U	Gamma	
4110-0025A-HO	7/11/2008	Lead 212	16.60	49.80	0.78	0.10		Gamma	
4110-0025A-HO	7/11/2008	Lead 214	8.92	26.80	0.77	0.10		Gamma	
4110-0025A-HO	7/11/2008	Plutonium 238	55.00	165.13	1.25	0.07		ISO Pu	
4110-0025A-HO	7/11/2008	Plutonium 239/40	62.00	181.00	-0.01	0.06	U	ISO Pu	
4110-0025A-HO	7/11/2008	Protactinium 231	4.00	11.81	0.11	1.60	U	Gamma	
4110-0025A-HO	7/11/2008	Radium (226)	2.90	4.70	0.60	0.15		Gamma	
4110-0025A-HO	7/11/2008	Thorium 228	2.60	4.80	0.65	0.06	J	ISO Th	
4110-0025A-HO	7/11/2008	Thorium 229	5.06	15.20	0.15	0.82	U	Gamma	
4110-0025A-HO	7/11/2008	Thorium 230	2.80	4.60	1.01	0.05		ISO Th	
4110-0025A-HO	7/11/2008	Thorium 232	2.10	3.50	0.86	0.05	J	ISO Th	
4110-0025A-HO	7/11/2008	Uranium 235	3.20		0.13	0.31	U	Gamma	
4110-0025A-HO	7/11/2008	Uranium 238	2.20	4.20	0.80	1.50	U	Gamma	
4110-0031A-HO	7/11/2008	Actinium 227	4.60	13.61	0.12	0.42	U	Gamma	
4110-0031A-HO	7/11/2008	Actinium 228	1.93	5.80	0.85	0.32		Gamma	
4110-0031A-HO	7/11/2008	Americium 241	63.00	189.00	-0.02	0.18	U	Gamma	
4110-0031A-HO	7/11/2008	Bismuth 214	1.17	3.51	0.89	0.18		Gamma	
4110-0031A-HO	7/11/2008	Bismuth-207	1.20	3.60	0.02	0.24	U	Gamma	
4110-0031A-HO	7/11/2008	Bismuth-210M	8.30	24.90	0.00	0.11	U	Gamma	
4110-0031A-HO	7/11/2008	Cesium 137	3.80	10.62	0.00	0.10	U	Gamma	
4110-0031A-HO	7/11/2008	Cobalt 60	0.70	2.10	-0.02	0.09	U	Gamma	
4110-0031A-HO	7/11/2008	Lead 210	7.40	19.80	1.90	2.40	U	Gamma	
4110-0031A-HO	7/11/2008	Lead 212	16.60	49.80	0.91	0.15		Gamma	
4110-0031A-HO	7/11/2008	Lead 214	8.92	26.80	1.00	0.16		Gamma	
4110-0031A-HO	7/11/2008	Plutonium 238	55.00	165.13	0.22	0.09	J	ISO Pu	
4110-0031A-HO	7/11/2008	Plutonium 239/40	62.00	181.00	0.01	0.07	U	ISO Pu	
4110-0031A-HO	7/11/2008	Protactinium 231	4.00	11.81	0.06	2.00	U	Gamma	
4110-0031A-HO	7/11/2008	Radium (226)	2.90	4.70	0.89	0.18		Gamma	
4110-0031A-HO	7/11/2008	Thorium 228	2.60	4.80	1.05	0.09		ISO Th	
4110-0031A-HO	7/11/2008	Thorium 229	5.06	15.20	0.30	1.10	U	Gamma	
4110-0031A-HO	7/11/2008	Thorium 230	2.80	4.60	0.94	0.05	J	ISO Th	
4110-0031A-HO	7/11/2008	Thorium 232	2.10	3.50	0.79	0.06	J	ISO Th	
4110-0031A-HO	7/11/2008	Uranium 235	3.20		0.00	0.39	U	Gamma	
4110-0031A-HO	7/11/2008	Uranium 238	2.20	4.20	2.10	1.60		Gamma	
4110-0033A-HO	7/15/2008	Actinium 227	4.60	13.61	-0.05	1.10	U	Gamma	
4110-0033A-HO	7/15/2008	Actinium 228	1.93	5.80	1.21	0.16		Gamma	
4110-0033A-HO	7/15/2008	Americium 241	63.00	189.00	0.03	0.17	U	Gamma	
4110-0033A-HO	7/15/2008	Bismuth 214	1.17	3.51	0.82	0.14		Gamma	
4110-0033A-HO	7/15/2008	Bismuth-207	1.20	3.60	0.00	0.10	U	Gamma	
4110-0033A-HO	7/15/2008	Bismuth-210M	8.30	24.90	-0.02	0.11	U	Gamma	
4110-0033A-HO	7/15/2008	Cesium 137	3.80	10.62	0.06	0.08	U	Gamma	
4110-0033A-HO	7/15/2008	Cobalt 60	0.70	2.10	0.00	0.12	U	Gamma	
4110-0033A-HO	7/15/2008	Lead 210	7.40	19.80	1.00	2.20	U	Gamma	
4110-0033A-HO	7/15/2008	Lead 212	16.60	49.80	0.84	0.11		Gamma	
4110-0033A-HO	7/15/2008	Lead 214	8.92	26.80	0.83	0.11		Gamma	
4110-0033A-HO	7/15/2008	Plutonium 238	55.00	165.13	0.71	0.08	J	ISO Pu	
4110-0033A-HO	7/15/2008	Plutonium 239/40	62.00	181.00	0.00	0.05	U	ISO Pu	
4110-0033A-HO	7/15/2008	Protactinium 231	4.00	11.81	0.00	1.90	U	Gamma	
4110-0033A-HO	7/15/2008	Radium (226)	2.90	4.70	0.82	0.14		Gamma	
4110-0033A-HO	7/15/2008	Thorium 228	2.60	4.80	1.09	0.09		ISO Th	
4110-0033A-HO	7/15/2008	Thorium 229	5.06	15.20	0.12	1.10	U	Gamma	
4110-0033A-HO	7/15/2008	Thorium 230	2.80	4.60	0.95	0.06	J	ISO Th	
4110-0033A-HO	7/15/2008	Thorium 232	2.10	3.50	1.03	0.06		ISO Th	
4110-0033A-HO	7/15/2008	Uranium 235	3.20		0.08	0.40	U	Gamma	
4110-0033A-HO	7/15/2008	Uranium 238	2.20	4.20	-0.06	1.60	U	Gamma	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Results pCi/g	Minimum Detection Limit pCi/g	Flag	Analysis	Greater than CO
4110-0084A-HO	7/1/2008	Actinium 227	4.60	13.61	0.05	0.29	U	Gamma	
4110-0084A-HO	7/1/2008	Actinium 228	1.93	5.80	0.21	0.29	U	Gamma	
4110-0084A-HO	7/1/2008	Americium 241	63.00	189.00	-0.01	0.15	U	Gamma	
4110-0084A-HO	7/1/2008	Bismuth 214	1.17	3.51	0.60	0.09		Gamma	
4110-0084A-HO	7/1/2008	Bismuth-207	1.20	3.60	0.01	0.05	U	Gamma	
4110-0084A-HO	7/1/2008	Bismuth-210M	8.30	24.90	0.02	0.07	U	Gamma	
4110-0084A-HO	7/1/2008	Cesium 137	3.80	10.62	0.01	0.08	U	Gamma	
4110-0084A-HO	7/1/2008	Cobalt 60	0.70	2.10	0.00	0.09	U	Gamma	
4110-0084A-HO	7/1/2008	Lead 210	7.40	19.80	-0.20	2.10	U	Gamma	
4110-0084A-HO	7/1/2008	Lead 212	16.60	49.80	0.29	0.10		Gamma	
4110-0084A-HO	7/1/2008	Lead 214	8.92	26.80	0.42	0.13		Gamma	
4110-0084A-HO	7/1/2008	Plutonium 238	55.00	165.13	0.22	0.07	J	ISO Pu	
4110-0084A-HO	7/1/2008	Plutonium 239/40	62.00	181.00	0.00	0.04	U	ISO Pu	
4110-0084A-HO	7/1/2008	Protactinium 231	4.00	11.81	0.08	1.90	U	Gamma	
4110-0084A-HO	7/1/2008	Radium (226)	2.90	4.70	0.60	0.09		Gamma	
4110-0084A-HO	7/1/2008	Thorium 228	2.60	4.80	0.33	0.09	J	ISO Th	
4110-0084A-HO	7/1/2008	Thorium 229	5.06	15.20	-0.08	0.81	U	Gamma	
4110-0084A-HO	7/1/2008	Thorium 230	2.80	4.60	0.83	0.06	J	ISO Th	
4110-0084A-HO	7/1/2008	Thorium 232	2.10	3.50	0.44	0.06	J	ISO Th	
4110-0084A-HO	7/1/2008	Uranium 235	3.20		-0.07	0.29	U	Gamma	
4110-0084A-HO	7/1/2008	Uranium 238	2.20	4.20	1.17	1.20	U	Gamma	
4110-0087A-HO	7/10/2008	Actinium 227	4.60	13.61	-0.04	0.88	U	Gamma	
4110-0087A-HO	7/10/2008	Actinium 228	1.93	5.80	0.59	0.28		Gamma	
4110-0087A-HO	7/10/2008	Americium 241	63.00	189.00	0.04	0.16	U	Gamma	
4110-0087A-HO	7/10/2008	Bismuth 214	1.17	3.51	0.61	0.11		Gamma	
4110-0087A-HO	7/10/2008	Bismuth-207	1.20	3.60	0.00	0.10	U	Gamma	
4110-0087A-HO	7/10/2008	Bismuth-210M	8.30	24.90	0.00	0.08	U	Gamma	
4110-0087A-HO	7/10/2008	Cesium 137	3.80	10.62	0.02	0.10	U	Gamma	
4110-0087A-HO	7/10/2008	Cobalt 60	0.70	2.10	0.04	0.09	U	Gamma	
4110-0087A-HO	7/10/2008	Lead 210	7.40	19.80	1.40	1.80	U	Gamma	
4110-0087A-HO	7/10/2008	Lead 212	16.60	49.80	0.61	0.11		Gamma	
4110-0087A-HO	7/10/2008	Lead 214	8.92	26.80	0.67	0.13		Gamma	
4110-0087A-HO	7/10/2008	Plutonium 238	55.00	165.13	0.61	0.10	J	ISO Pu	
4110-0087A-HO	7/10/2008	Plutonium 239/40	62.00	181.00	0.00	0.07	U	ISO Pu	
4110-0087A-HO	7/10/2008	Protactinium 231	4.00	11.81	0.00	2.00	U	Gamma	
4110-0087A-HO	7/10/2008	Radium (226)	2.90	4.70	0.61	0.11		Gamma	
4110-0087A-HO	7/10/2008	Thorium 228	2.60	4.80	0.80	0.07	J	ISO Th	
4110-0087A-HO	7/10/2008	Thorium 229	5.06	15.20	-0.25	1.10	U	Gamma	
4110-0087A-HO	7/10/2008	Thorium 230	2.80	4.60	0.68	0.06	J	ISO Th	
4110-0087A-HO	7/10/2008	Thorium 232	2.10	3.50	0.67	0.04	J	ISO Th	
4110-0087A-HO	7/10/2008	Uranium 235	3.20		0.07	0.28	U	Gamma	
4110-0087A-HO	7/10/2008	Uranium 238	2.20	4.20	0.14	1.60	U	Gamma	
4110-0104A-HO	7/16/2008	Actinium 227	4.60	13.61	-0.13	0.51	U	Gamma	
4110-0104A-HO	7/16/2008	Actinium 228	1.93	5.80	0.51	0.34		Gamma	
4110-0104A-HO	7/16/2008	Americium 241	63.00	189.00	0.05	0.17	U	Gamma	
4110-0104A-HO	7/16/2008	Bismuth 214	1.17	3.51	0.59	0.09		Gamma	
4110-0104A-HO	7/16/2008	Bismuth-207	1.20	3.60	0.00	0.13	U	Gamma	
4110-0104A-HO	7/16/2008	Bismuth-210M	8.30	24.90	0.01	0.07	U	Gamma	
4110-0104A-HO	7/16/2008	Cesium 137	3.80	10.62	0.01	0.10	U	Gamma	
4110-0104A-HO	7/16/2008	Cobalt 60	0.70	2.10	0.00	0.05	U	Gamma	
4110-0104A-HO	7/16/2008	Lead 210	7.40	19.80	0.50	2.30	U	Gamma	
4110-0104A-HO	7/16/2008	Lead 212	16.60	49.80	0.56	0.14		Gamma	
4110-0104A-HO	7/16/2008	Lead 214	8.92	26.80	0.53	0.15		Gamma	
4110-0104A-HO	7/16/2008	Plutonium 238	55.00	165.13	0.62	0.07	J	ISO Pu	
4110-0104A-HO	7/16/2008	Plutonium 239/40	62.00	181.00	0.00	0.07	U	ISO Pu	
4110-0104A-HO	7/16/2008	Protactinium 231	4.00	11.81	0.00	1.70	U	Gamma	
4110-0104A-HO	7/16/2008	Radium (226)	2.90	4.70	0.59	0.09		Gamma	
4110-0104A-HO	7/16/2008	Thorium 228	2.60	4.80	0.77	0.10	J	ISO Th	
4110-0104A-HO	7/16/2008	Thorium 229	5.06	15.20	-0.16	1.10	U	Gamma	
4110-0104A-HO	7/16/2008	Thorium 230	2.80	4.60	1.10	0.06		ISO Th	
4110-0104A-HO	7/16/2008	Thorium 232	2.10	3.50	0.86	0.06	J	ISO Th	
4110-0104A-HO	7/16/2008	Uranium 235	3.20		0.00	0.43	U	Gamma	
4110-0104A-HO	7/16/2008	Uranium 238	2.20	4.20	0.90	1.80	U	Gamma	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Results pCi/g	Minimum Detection Limit pCi/g	Flag	Analysis	Greater than CO
4110-0105A-HO	7/16/2008	Actinium 227	4.60	13.61	0.06	1.40	U	Gamma	
4110-0105A-HO	7/16/2008	Actinium 228	1.93	5.80	0.55	0.34		Gamma	
4110-0105A-HO	7/16/2008	Americium 241	63.00	189.00	0.02	0.20	U	Gamma	
4110-0105A-HO	7/16/2008	Bismuth 214	1.17	3.51	0.46	0.16		Gamma	
4110-0105A-HO	7/16/2008	Bismuth-207	1.20	3.60	0.00	0.13	U	Gamma	
4110-0105A-HO	7/16/2008	Bismuth-210M	8.30	24.90	0.02	0.09	U	Gamma	
4110-0105A-HO	7/16/2008	Cesium 137	3.80	10.62	0.00	0.09	U	Gamma	
4110-0105A-HO	7/16/2008	Cobalt 60	0.70	2.10	0.00	0.13	U	Gamma	
4110-0105A-HO	7/16/2008	Lead 210	7.40	19.80	0.50	1.90	U	Gamma	
4110-0105A-HO	7/16/2008	Lead 212	16.60	49.80	0.66	0.11		Gamma	
4110-0105A-HO	7/16/2008	Lead 214	8.92	26.80	0.45	0.15		Gamma	
4110-0105A-HO	7/16/2008	Plutonium 238	55.00	165.13	0.72	0.06	J	ISO Pu	
4110-0105A-HO	7/16/2008	Plutonium 239/40	62.00	181.00	0.00	0.06	U	ISO Pu	
4110-0105A-HO	7/16/2008	Protactinium 231	4.00	11.81	0.00	1.90	U	Gamma	
4110-0105A-HO	7/16/2008	Radium (226)	2.90	4.70	0.46	0.16		Gamma	
4110-0105A-HO	7/16/2008	Thorium 228	2.60	4.80	0.79	0.08	J	ISO Th	
4110-0105A-HO	7/16/2008	Thorium 229	5.06	15.20	0.11	1.20	U	Gamma	
4110-0105A-HO	7/16/2008	Thorium 230	2.80	4.60	1.21	0.07		ISO Th	
4110-0105A-HO	7/16/2008	Thorium 232	2.10	3.50	0.90	0.05	J	ISO Th	
4110-0105A-HO	7/16/2008	Uranium 235	3.20		0.24	0.40	U	Gamma	
4110-0105A-HO	7/16/2008	Uranium 238	2.20	4.20	-0.10	2.30	U	Gamma	

CO	Cleanup Objective
HS	Hot Spot Criteria
A-HO	Hot Spot Original
A-HD	Hot Spot Duplicate
FLAGS: U	Calculated Activity less than or equal to sample Minimum Detectable Limit
J	Result is greater than sample detection limit; but less than stated reporting limit

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Results pCi/g	Flag	Minimum Detection Limit pCi/g	Greater than CO
4110-0106A-FO	12/17/2008	Actinium 227	4.60	13.61	-0.05	U	1.40	
4110-0106A-FO	12/17/2008	Actinium 228	1.93	5.80	1.11		0.23	
4110-0106A-FO	12/17/2008	Americium 241	63.00	189.00	-0.02	U	0.23	
4110-0106A-FO	12/17/2008	Bismuth-207	1.20	3.60	-0.01	U	0.07	
4110-0106A-FO	12/17/2008	Bismuth-210M	8.30	24.90	0.05	U	0.10	
4110-0106A-FO	12/17/2008	Cesium 137	3.80	10.62	-0.02	U	0.12	
4110-0106A-FO	12/17/2008	Cobalt 60	0.70	2.10	0.03	U	0.10	
4110-0106A-FO	12/17/2008	Lead 210	7.40	19.80	0.40	U	2.70	
4110-0106A-FO	12/17/2008	Lead 212	16.60	49.80	0.75		0.15	
4110-0106A-FO	12/17/2008	Lead 214	8.92	26.80	0.75		0.15	
4110-0106A-FO	12/17/2008	Plutonium 238	55.00	165.13	0.30		0.15	
4110-0106A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	0.08	U	0.09	
4110-0106A-FO	12/17/2008	Protactinium 231	4.00	11.81	0.80	U	2.10	
4110-0106A-FO	12/17/2008	Radium (226)	2.90	4.70	0.73		0.21	
4110-0106A-FO	12/17/2008	Thorium 228	2.60	4.80	0.94	J	0.22	
4110-0106A-FO	12/17/2008	Thorium 229	5.06	15.20	-0.27	U	1.40	
4110-0106A-FO	12/17/2008	Thorium 230	2.80	4.60	1.34	J	0.13	
4110-0106A-FO	12/17/2008	Thorium 232	2.10	3.50	1.06	J	0.07	
4110-0106A-FO	12/17/2008	Uranium 235	3.20		0.07	U	0.54	
4110-0106A-FO	12/17/2008	Uranium 238	2.20	4.20	-0.04	U	2.40	
4110-0107A-FO	12/17/2008	Actinium 227	4.60	13.61	-0.58	U	1.00	
4110-0107A-FO	12/17/2008	Actinium 228	1.93	5.80	0.25	U	0.49	
4110-0107A-FO	12/17/2008	Americium 241	63.00	189.00	0.01	U	0.18	
4110-0107A-FO	12/17/2008	Bismuth-207	1.20	3.60	-0.01	U	0.11	
4110-0107A-FO	12/17/2008	Bismuth-210M	8.30	24.90	0.00	U	0.09	
4110-0107A-FO	12/17/2008	Cesium 137	3.80	10.62	0.06	U	0.12	
4110-0107A-FO	12/17/2008	Cobalt 60	0.70	2.10	0.02	U	0.11	
4110-0107A-FO	12/17/2008	Lead 210	7.40	19.80	1.00	U	3.10	
4110-0107A-FO	12/17/2008	Lead 212	16.60	49.80	0.57		0.13	
4110-0107A-FO	12/17/2008	Lead 214	8.92	26.80	0.70		0.21	
4110-0107A-FO	12/17/2008	Plutonium 238	55.00	165.13	2.42		0.11	
4110-0107A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	0.06	U	0.11	
4110-0107A-FO	12/17/2008	Protactinium 231	4.00	11.81	-0.09	U	2.00	
4110-0107A-FO	12/17/2008	Radium (226)	2.90	4.70	0.87		0.20	
4110-0107A-FO	12/17/2008	Thorium 228	2.60	4.80	0.66	J	0.22	
4110-0107A-FO	12/17/2008	Thorium 229	5.06	15.20	0.59	U	1.10	
4110-0107A-FO	12/17/2008	Thorium 230	2.80	4.60	1.10	J	0.21	
4110-0107A-FO	12/17/2008	Thorium 232	2.10	3.50	0.59	J	0.16	
4110-0107A-FO	12/17/2008	Uranium 235	3.20		0.14	U	0.42	
4110-0107A-FO	12/17/2008	Uranium 238	2.20	4.20	0.30	U	1.90	
4110-0108A-FO	12/17/2008	Actinium 227	4.60	13.61	0.00	U	0.53	
4110-0108A-FO	12/17/2008	Actinium 228	1.93	5.80	0.93		0.16	
4110-0108A-FO	12/17/2008	Americium 241	63.00	189.00	-0.01	U	0.24	
4110-0108A-FO	12/17/2008	Bismuth-207	1.20	3.60	0.01	U	0.11	
4110-0108A-FO	12/17/2008	Bismuth-210M	8.30	24.90	0.00	U	0.10	
4110-0108A-FO	12/17/2008	Cesium 137	3.80	10.62	0.04	U	0.14	
4110-0108A-FO	12/17/2008	Cobalt 60	0.70	2.10	-0.01	U	0.15	
4110-0108A-FO	12/17/2008	Lead 210	7.40	19.80	0.10	U	2.50	
4110-0108A-FO	12/17/2008	Lead 212	16.60	49.80	0.92		0.13	
4110-0108A-FO	12/17/2008	Lead 214	8.92	26.80	1.07		0.14	
4110-0108A-FO	12/17/2008	Plutonium 238	55.00	165.13	2.10		0.14	
4110-0108A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	0.05	U	0.13	
4110-0108A-FO	12/17/2008	Protactinium 231	4.00	11.81	0.10	U	2.00	
4110-0108A-FO	12/17/2008	Radium (226)	2.90	4.70	1.00		0.18	
4110-0108A-FO	12/17/2008	Thorium 228	2.60	4.80	0.77	J	0.23	
4110-0108A-FO	12/17/2008	Thorium 229	5.06	15.20	0.00	U	1.50	
4110-0108A-FO	12/17/2008	Thorium 230	2.80	4.60	1.34	J	0.17	
4110-0108A-FO	12/17/2008	Thorium 232	2.10	3.50	0.59	J	0.13	
4110-0108A-FO	12/17/2008	Uranium 235	3.20		0.10	U	0.41	
4110-0108A-FO	12/17/2008	Uranium 238	2.20	4.20	0.60	U	2.20	
4110-0109A-FO	12/17/2008	Actinium 227	4.60	13.61	-0.13	U	0.78	
4110-0109A-FO	12/17/2008	Actinium 228	1.93	5.80	1.36		0.16	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Results pCi/g	Flag	Minimum Detection Limit pCi/g	Greater than CO
4110-0109A-FO	12/17/2008	Americium 241	63.00	189.00	-0.02	U	0.21	
4110-0109A-FO	12/17/2008	Bismuth-207	1.20	3.60	0.00	U	0.08	
4110-0109A-FO	12/17/2008	Bismuth-210M	8.30	24.90	-0.01	U	0.13	
4110-0109A-FO	12/17/2008	Cesium 137	3.80	10.62	-0.03	U	0.14	
4110-0109A-FO	12/17/2008	Cobalt 60	0.70	2.10	-0.05	U	0.17	
4110-0109A-FO	12/17/2008	Lead 210	7.40	19.80	1.70	U	2.30	
4110-0109A-FO	12/17/2008	Lead 212	16.60	49.80	0.89		0.19	
4110-0109A-FO	12/17/2008	Lead 214	8.92	26.80	1.09		0.20	
4110-0109A-FO	12/17/2008	Plutonium 238	55.00	165.13	0.05	U	0.13	
4110-0109A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	0.02	U	0.09	
4110-0109A-FO	12/17/2008	Protactinium 231	4.00	11.81	0.08	U	2.50	
4110-0109A-FO	12/17/2008	Radium (226)	2.90	4.70	1.20		0.17	
4110-0109A-FO	12/17/2008	Thorium 228	2.60	4.80	0.94	J	0.16	
4110-0109A-FO	12/17/2008	Thorium 229	5.06	15.20	-0.03	U	1.20	
4110-0109A-FO	12/17/2008	Thorium 230	2.80	4.60	2.09		0.10	
4110-0109A-FO	12/17/2008	Thorium 232	2.10	3.50	1.01	J	0.06	
4110-0109A-FO	12/17/2008	Uranium 235	3.20		0.14	U	0.49	
4110-0109A-FO	12/17/2008	Uranium 238	2.20	4.20	0.20	U	2.30	
4110-0110A-FO	12/17/2008	Actinium 227	4.60	13.61	0.20	U	0.30	
4110-0110A-FO	12/17/2008	Actinium 228	1.93	5.80	1.09		0.18	
4110-0110A-FO	12/17/2008	Americium 241	63.00	189.00	0.07	U	0.17	
4110-0110A-FO	12/17/2008	Bismuth-207	1.20	3.60	0.00	U	0.06	
4110-0110A-FO	12/17/2008	Bismuth-210M	8.30	24.90	0.03	U	0.09	
4110-0110A-FO	12/17/2008	Cesium 137	3.80	10.62	0.07	U	0.08	
4110-0110A-FO	12/17/2008	Cobalt 60	0.70	2.10	0.02	U	0.09	
4110-0110A-FO	12/17/2008	Lead 210	7.40	19.80	0.50	U	2.20	
4110-0110A-FO	12/17/2008	Lead 212	16.60	49.80	0.91		0.13	
4110-0110A-FO	12/17/2008	Lead 214	8.92	26.80	0.75		0.15	
4110-0110A-FO	12/17/2008	Plutonium 238	55.00	165.13	0.37		0.14	
4110-0110A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	0.04	U	0.09	
4110-0110A-FO	12/17/2008	Protactinium 231	4.00	11.81	-0.80	U	2.20	
4110-0110A-FO	12/17/2008	Radium (226)	2.90	4.70	0.70		0.13	
4110-0110A-FO	12/17/2008	Thorium 228	2.60	4.80	1.42	J	0.16	
4110-0110A-FO	12/17/2008	Thorium 229	5.06	15.20	-0.16	U	1.20	
4110-0110A-FO	12/17/2008	Thorium 230	2.80	4.60	1.00	J	0.12	
4110-0110A-FO	12/17/2008	Thorium 232	2.10	3.50	1.10	J	0.09	
4110-0110A-FO	12/17/2008	Uranium 235	3.20		0.07	U	0.42	
4110-0110A-FO	12/17/2008	Uranium 238	2.20	4.20	1.30	U	1.80	
4110-0111A-FO	12/17/2008	Actinium 227	4.60	13.61	0.05	U	0.44	
4110-0111A-FO	12/17/2008	Actinium 228	1.93	5.80	0.45		0.43	
4110-0111A-FO	12/17/2008	Americium 241	63.00	189.00	0.03	U	0.20	
4110-0111A-FO	12/17/2008	Bismuth-207	1.20	3.60	0.00	U	0.08	
4110-0111A-FO	12/17/2008	Bismuth-210M	8.30	24.90	-0.02	U	0.12	
4110-0111A-FO	12/17/2008	Cesium 137	3.80	10.62	-0.01	U	0.12	
4110-0111A-FO	12/17/2008	Cobalt 60	0.70	2.10	0.02	U	0.12	
4110-0111A-FO	12/17/2008	Lead 210	7.40	19.80	2.20	U	2.50	
4110-0111A-FO	12/17/2008	Lead 212	16.60	49.80	0.68		0.11	
4110-0111A-FO	12/17/2008	Lead 214	8.92	26.80	0.93		0.11	
4110-0111A-FO	12/17/2008	Plutonium 238	55.00	165.13	0.56		0.15	
4110-0111A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	0.03	U	0.12	
4110-0111A-FO	12/17/2008	Protactinium 231	4.00	11.81	-0.60	U	2.20	
4110-0111A-FO	12/17/2008	Radium (226)	2.90	4.70	0.85		0.16	
4110-0111A-FO	12/17/2008	Thorium 228	2.60	4.80	0.64	J	0.19	
4110-0111A-FO	12/17/2008	Thorium 229	5.06	15.20	-0.04	U	1.20	
4110-0111A-FO	12/17/2008	Thorium 230	2.80	4.60	1.14	J	0.07	
4110-0111A-FO	12/17/2008	Thorium 232	2.10	3.50	0.78	J	0.12	
4110-0111A-FO	12/17/2008	Uranium 235	3.20		0.03	U	0.37	
4110-0111A-FO	12/17/2008	Uranium 238	2.20	4.20	1.00	U	2.00	
4110-0112A-FO	12/17/2008	Actinium 227	4.60	13.61	-0.23	U	0.71	
4110-0112A-FO	12/17/2008	Actinium 228	1.93	5.80	0.62		0.47	
4110-0112A-FO	12/17/2008	Americium 241	63.00	189.00	-0.02	U	0.22	
4110-0112A-FO	12/17/2008	Bismuth-207	1.20	3.60	0.01	U	0.10	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Results pCi/g	Flag	Minimum Detection Limit pCi/g	Greater than CO
4110-0112A-FO	12/17/2008	Bismuth-210M	8.30	24.90	-0.01	U	0.12	
4110-0112A-FO	12/17/2008	Cesium 137	3.80	10.62	0.08	U	0.10	
4110-0112A-FO	12/17/2008	Cobalt 60	0.70	2.10	-0.02	U	0.16	
4110-0112A-FO	12/17/2008	Lead 210	7.40	19.80	0.30	U	2.80	
4110-0112A-FO	12/17/2008	Lead 212	16.60	49.80	0.76		0.16	
4110-0112A-FO	12/17/2008	Lead 214	8.92	26.80	0.73		0.18	
4110-0112A-FO	12/17/2008	Plutonium 238	55.00	165.13	0.37		0.11	
4110-0112A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	-0.03	U	0.11	
4110-0112A-FO	12/17/2008	Protactinium 231	4.00	11.81	-0.20	U	2.80	
4110-0112A-FO	12/17/2008	Radium (226)	2.90	4.70	0.86		0.22	
4110-0112A-FO	12/17/2008	Thorium 228	2.60	4.80	0.96	J	0.16	
4110-0112A-FO	12/17/2008	Thorium 229	5.06	15.20	-0.32	U	1.40	
4110-0112A-FO	12/17/2008	Thorium 230	2.80	4.60	1.24	J	0.09	
4110-0112A-FO	12/17/2008	Thorium 232	2.10	3.50	1.18	J	0.09	
4110-0112A-FO	12/17/2008	Uranium 235	3.20		0.04	U	0.52	
4110-0112A-FO	12/17/2008	Uranium 238	2.20	4.20	-0.01	U	2.10	
4110-0113A-FO	12/18/2008	Actinium-227	4.6	13.61	0.00	U	0.36	
4110-0113A-FO	12/18/2008	Americium-241	63	189	0.00	U	0.09	
4110-0113A-FO	12/18/2008	Bismuth-210M	8.3	24.9	0.00	U	0.06	
4110-0113A-FO	12/18/2008	Cesium-137	3.8	10.62	0.00	U	0.06	
4110-0113A-FO	12/18/2008	Cobalt-60	0.7	2.1	0.04	U	0.04	
4110-0113A-FO	12/18/2008	Lead-210	7.4	19.8	0.52	U	0.79	
4110-0113A-FO	12/18/2008	Plutonium-238	55	165.13	0.00	U	8.31	
4110-0113A-FO	12/18/2008	Protactinium-231	4	11.81	0.00	U	1.90	
4110-0113A-FO	12/18/2008	Radium-226	2.9	4.7	0.59		0.16	
4110-0113A-FO	12/18/2008	Thorium-230	2.8	4.6	0.00	U	8.28	
4110-0113A-FO	12/18/2008	Thorium-232	2.1	3.5	0.66		0.26	
4110-0113A-FO	12/18/2008	Uranium-238	2.2	4.2	0.83		0.48	
4110-0114A-FO	12/17/2008	Actinium 227	4.60	13.61	0.00	U	0.37	
4110-0114A-FO	12/17/2008	Actinium 228	1.93	5.80	0.42		0.38	
4110-0114A-FO	12/17/2008	Americium 241	63.00	189.00	0.04	U	0.21	
4110-0114A-FO	12/17/2008	Bismuth-207	1.20	3.60	0.01	U	0.09	
4110-0114A-FO	12/17/2008	Bismuth-210M	8.30	24.90	0.01	U	0.11	
4110-0114A-FO	12/17/2008	Cesium 137	3.80	10.62	0.00	U	0.16	
4110-0114A-FO	12/17/2008	Cobalt 60	0.70	2.10	0.00	U	0.12	
4110-0114A-FO	12/17/2008	Lead 210	7.40	19.80	0.70	U	2.70	
4110-0114A-FO	12/17/2008	Lead 212	16.60	49.80	0.94		0.15	
4110-0114A-FO	12/17/2008	Lead 214	8.92	26.80	0.75		0.16	
4110-0114A-FO	12/17/2008	Plutonium 238	55.00	165.13	0.27		0.12	
4110-0114A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	-0.01	U	0.11	
4110-0114A-FO	12/17/2008	Protactinium 231	4.00	11.81	-0.08	U	2.30	
4110-0114A-FO	12/17/2008	Radium (226)	2.90	4.70	0.96		0.16	
4110-0114A-FO	12/17/2008	Thorium 228	2.60	4.80	0.92	J	0.18	
4110-0114A-FO	12/17/2008	Thorium 229	5.06	15.20	0.29	U	1.20	
4110-0114A-FO	12/17/2008	Thorium 230	2.80	4.60	0.94	J	0.14	
4110-0114A-FO	12/17/2008	Thorium 232	2.10	3.50	0.82	J	0.07	
4110-0114A-FO	12/17/2008	Uranium 235	3.20		0.13	U	0.54	
4110-0114A-FO	12/17/2008	Uranium 238	2.20	4.20	0.90	U	2.20	
4110-0115A-FO	12/17/2008	Actinium 227	4.60	13.61	0.00	U	1.40	
4110-0115A-FO	12/17/2008	Actinium 228	1.93	5.80	0.80		0.25	
4110-0115A-FO	12/17/2008	Americium 241	63.00	189.00	-0.01	U	0.20	
4110-0115A-FO	12/17/2008	Bismuth-207	1.20	3.60	0.03	U	0.07	
4110-0115A-FO	12/17/2008	Bismuth-210M	8.30	24.90	0.02	U	0.11	
4110-0115A-FO	12/17/2008	Cesium 137	3.80	10.62	0.02	U	0.13	
4110-0115A-FO	12/17/2008	Cobalt 60	0.70	2.10	0.00	U	0.12	
4110-0115A-FO	12/17/2008	Lead 210	7.40	19.80	2.10	U	2.50	
4110-0115A-FO	12/17/2008	Lead 212	16.60	49.80	0.65		0.15	
4110-0115A-FO	12/17/2008	Lead 214	8.92	26.80	0.77		0.11	
4110-0115A-FO	12/17/2008	Plutonium 238	55.00	165.13	0.38		0.12	
4110-0115A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	0.05	U	0.13	
4110-0115A-FO	12/17/2008	Protactinium 231	4.00	11.81	-0.04	U	2.40	
4110-0115A-FO	12/17/2008	Radium (226)	2.90	4.70	0.56		0.18	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Results pCi/g	Flag	Minimum Detection Limit pCi/g	Greater than CO
4110-0115A-FO	12/17/2008	Thorium 228	2.60	4.80	0.91	J	0.18	
4110-0115A-FO	12/17/2008	Thorium 229	5.06	15.20	0.21	U	0.95	
4110-0115A-FO	12/17/2008	Thorium 230	2.80	4.60	1.13	J	0.13	
4110-0115A-FO	12/17/2008	Thorium 232	2.10	3.50	0.78	J	0.12	
4110-0115A-FO	12/17/2008	Uranium 235	3.20		0.19	U	0.42	
4110-0115A-FO	12/17/2008	Uranium 238	2.20	4.20	0.30	U	1.90	
4110-0116A-FO	12/17/2008	Actinium 227	4.60	13.61	0.05	U	1.60	
4110-0116A-FO	12/17/2008	Actinium 228	1.93	5.80	1.29		0.17	
4110-0116A-FO	12/17/2008	Americium 241	63.00	189.00	0.04	U	0.23	
4110-0116A-FO	12/17/2008	Bismuth-207	1.20	3.60	-0.01	U	0.10	
4110-0116A-FO	12/17/2008	Bismuth-210M	8.30	24.90	0.03	U	0.09	
4110-0116A-FO	12/17/2008	Cesium 137	3.80	10.62	-0.02	U	0.15	
4110-0116A-FO	12/17/2008	Cobalt 60	0.70	2.10	-0.04	U	0.10	
4110-0116A-FO	12/17/2008	Lead 210	7.40	19.80	1.50	U	2.40	
4110-0116A-FO	12/17/2008	Lead 212	16.60	49.80	0.80		0.17	
4110-0116A-FO	12/17/2008	Lead 214	8.92	26.80	0.87		0.20	
4110-0116A-FO	12/17/2008	Plutonium 238	55.00	165.13	0.20		0.12	
4110-0116A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	0.00	U	0.09	
4110-0116A-FO	12/17/2008	Protactinium 231	4.00	11.81	-0.60	U	2.70	
4110-0116A-FO	12/17/2008	Radium (226)	2.90	4.70	0.74		0.19	
4110-0116A-FO	12/17/2008	Thorium 228	2.60	4.80	0.90	J	0.17	
4110-0116A-FO	12/17/2008	Thorium 229	5.06	15.20	0.40	U	1.30	
4110-0116A-FO	12/17/2008	Thorium 230	2.80	4.60	1.12	J	0.14	
4110-0116A-FO	12/17/2008	Thorium 232	2.10	3.50	0.55	J	0.13	
4110-0116A-FO	12/17/2008	Uranium 235	3.20		-0.10	U	0.50	
4110-0116A-FO	12/17/2008	Uranium 238	2.20	4.20	-0.01	U	2.50	
4110-0117A-FO	12/17/2008	Actinium 227	4.60	13.61	-0.36	U	0.74	
4110-0117A-FO	12/17/2008	Actinium 228	1.93	5.80	0.36	U	0.41	
4110-0117A-FO	12/17/2008	Americium 241	63.00	189.00	0.01	U	0.23	
4110-0117A-FO	12/17/2008	Bismuth-207	1.20	3.60	-0.01	U	0.08	
4110-0117A-FO	12/17/2008	Bismuth-210M	8.30	24.90	0.00	U	0.14	
4110-0117A-FO	12/17/2008	Cesium 137	3.80	10.62	0.03	U	0.10	
4110-0117A-FO	12/17/2008	Cobalt 60	0.70	2.10	-0.02	U	0.11	
4110-0117A-FO	12/17/2008	Lead 210	7.40	19.80	0.60	U	2.50	
4110-0117A-FO	12/17/2008	Lead 212	16.60	49.80	0.46		0.14	
4110-0117A-FO	12/17/2008	Lead 214	8.92	26.80	0.78		0.17	
4110-0117A-FO	12/17/2008	Plutonium 238	55.00	165.13	0.06	U	0.15	
4110-0117A-FO	12/17/2008	Plutonium 239/40	62.00	181.00	0.03	U	0.13	
4110-0117A-FO	12/17/2008	Protactinium 231	4.00	11.81	-0.60	U	2.50	
4110-0117A-FO	12/17/2008	Radium (226)	2.90	4.70	0.80		0.16	
4110-0117A-FO	12/17/2008	Thorium 228	2.60	4.80	0.46	J	0.10	
4110-0117A-FO	12/17/2008	Thorium 229	5.06	15.20	0.03	U	0.98	
4110-0117A-FO	12/17/2008	Thorium 230	2.80	4.60	1.35	J	0.12	
4110-0117A-FO	12/17/2008	Thorium 232	2.10	3.50	0.76	J	0.12	
4110-0117A-FO	12/17/2008	Uranium 235	3.20		0.05	U	0.50	
4110-0117A-FO	12/17/2008	Uranium 238	2.20	4.20	1.36	U	2.00	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag
PRS441-CH-0002	4/17/2008	Actinium-227	4.60	13.61	0.03	0.35	U
PRS441-CH-0002	4/17/2008	Americium-241	63.00	189.00	0.01	0.09	U
PRS441-CH-0002	4/17/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U
PRS441-CH-0002	4/17/2008	Cesium-137	3.80	10.62	0.00	0.06	U
PRS441-CH-0002	4/17/2008	Cobalt-60	0.70	2.10	0.00	0.07	U
PRS441-CH-0002	4/17/2008	Lead-210	7.40	19.80	0.86	0.74	
PRS441-CH-0002	4/17/2008	Plutonium-238	55.00	165.13	0.00	8.13	U
PRS441-CH-0002	4/17/2008	Protactinium-231	4.00	11.81	1.26	1.65	U
PRS441-CH-0002	4/17/2008	Radium-226	2.90	4.70	0.59	0.14	
PRS441-CH-0002	4/17/2008	Thorium-230	2.80	4.60	0.00	8.33	U
PRS441-CH-0002	4/17/2008	Thorium-232	2.10	3.50	0.55	0.22	
PRS441-CH-0002	4/17/2008	Uranium-238	2.20	4.20	1.14	0.45	
PRS441-CH-0003	4/17/2008	Actinium-227	4.60	13.61	0.10	0.33	U
PRS441-CH-0003	4/17/2008	Americium-241	63.00	189.00	0.04	0.08	U
PRS441-CH-0003	4/17/2008	Bismuth-210M	8.30	24.90	0.04	0.05	U
PRS441-CH-0003	4/17/2008	Cesium-137	3.80	10.62	0.02	0.05	U
PRS441-CH-0003	4/17/2008	Cobalt-60	0.70	2.10	0.03	0.05	U
PRS441-CH-0003	4/17/2008	Lead-210	7.40	19.80	0.69	0.74	U
PRS441-CH-0003	4/17/2008	Plutonium-238	55.00	165.13	2.91	6.90	U
PRS441-CH-0003	4/17/2008	Protactinium-231	4.00	11.81	0.20	1.73	U
PRS441-CH-0003	4/17/2008	Radium-226	2.90	4.70	0.64	0.12	
PRS441-CH-0003	4/17/2008	Thorium-230	2.80	4.60	4.95	7.15	U
PRS441-CH-0003	4/17/2008	Thorium-232	2.10	3.50	0.73	0.14	
PRS441-CH-0003	4/17/2008	Uranium-238	2.20	4.20	0.97	0.42	
PRS441-CH-0004	4/17/2008	Actinium-227	4.60	13.61	0.00	0.36	U
PRS441-CH-0004	4/17/2008	Americium-241	63.00	189.00	0.00	0.08	U
PRS441-CH-0004	4/17/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U
PRS441-CH-0004	4/17/2008	Cesium-137	3.80	10.62	0.00	0.05	U
PRS441-CH-0004	4/17/2008	Cobalt-60	0.70	2.10	0.00	0.08	U
PRS441-CH-0004	4/17/2008	Lead-210	7.40	19.80	1.07	0.75	
PRS441-CH-0004	4/17/2008	Plutonium-238	55.00	165.13	0.00	7.84	U
PRS441-CH-0004	4/17/2008	Protactinium-231	4.00	11.81	0.33	1.76	U
PRS441-CH-0004	4/17/2008	Radium-226	2.90	4.70	0.59	0.16	
PRS441-CH-0004	4/17/2008	Thorium-230	2.80	4.60	5.23	7.31	U
PRS441-CH-0004	4/17/2008	Thorium-232	2.10	3.50	0.46	0.22	
PRS441-CH-0004	4/17/2008	Uranium-238	2.20	4.20	0.86	0.47	
PRS441-CH-0005	4/17/2008	Actinium-227	4.60	13.61	0.00	0.27	U
PRS441-CH-0005	4/17/2008	Americium-241	63.00	189.00	0.00	0.06	U
PRS441-CH-0005	4/17/2008	Bismuth-210M	8.30	24.90	0.00	0.04	U
PRS441-CH-0005	4/17/2008	Cesium-137	3.80	10.62	0.00	0.05	U
PRS441-CH-0005	4/17/2008	Cobalt-60	0.70	2.10	0.00	0.04	U
PRS441-CH-0005	4/17/2008	Lead-210	7.40	19.80	0.87	0.52	
PRS441-CH-0005	4/17/2008	Plutonium-238	55.00	165.13	0.00	5.90	U
PRS441-CH-0005	4/17/2008	Protactinium-231	4.00	11.81	0.00	1.44	U
PRS441-CH-0005	4/17/2008	Radium-226	2.90	4.70	0.69	0.11	
PRS441-CH-0005	4/17/2008	Thorium-230	2.80	4.60	3.18	5.41	U
PRS441-CH-0005	4/17/2008	Thorium-232	2.10	3.50	0.17	0.20	U
PRS441-CH-0005	4/17/2008	Uranium-238	2.20	4.20	0.47	0.39	
PRS441-CH-0006	4/17/2008	Actinium-227	4.60	13.61	0.21	0.24	U
PRS441-CH-0006	4/17/2008	Americium-241	63.00	189.00	0.00	0.07	U
PRS441-CH-0006	4/17/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag
PRS441-CH-0006	4/17/2008	Cesium-137	3.80	10.62	0.00	0.05	U
PRS441-CH-0006	4/17/2008	Cobalt-60	0.70	2.10	0.02	0.04	U
PRS441-CH-0006	4/17/2008	Lead-210	7.40	19.80	0.41	0.61	U
PRS441-CH-0006	4/17/2008	Plutonium-238	55.00	165.13	1.51	6.09	U
PRS441-CH-0006	4/17/2008	Protactinium-231	4.00	11.81	0.26	1.40	U
PRS441-CH-0006	4/17/2008	Radium-226	2.90	4.70	0.61	0.11	
PRS441-CH-0006	4/17/2008	Thorium-230	2.80	4.60	0.41	6.29	U
PRS441-CH-0006	4/17/2008	Thorium-232	2.10	3.50	0.24	0.18	
PRS441-CH-0006	4/17/2008	Uranium-238	2.20	4.20	0.52	0.39	
PRS441-CH-0007	4/17/2008	Actinium-227	4.60	13.61	0.10	0.31	U
PRS441-CH-0007	4/17/2008	Americium-241	63.00	189.00	0.00	0.08	U
PRS441-CH-0007	4/17/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U
PRS441-CH-0007	4/17/2008	Cesium-137	3.80	10.62	0.01	0.04	U
PRS441-CH-0007	4/17/2008	Cobalt-60	0.70	2.10	0.00	0.06	U
PRS441-CH-0007	4/17/2008	Lead-210	7.40	19.80	1.15	0.70	
PRS441-CH-0007	4/17/2008	Plutonium-238	55.00	165.13	1.14	7.21	U
PRS441-CH-0007	4/17/2008	Protactinium-231	4.00	11.81	0.00	1.62	U
PRS441-CH-0007	4/17/2008	Radium-226	2.90	4.70	0.76	0.13	
PRS441-CH-0007	4/17/2008	Thorium-230	2.80	4.60	0.00	7.18	U
PRS441-CH-0007	4/17/2008	Thorium-232	2.10	3.50	0.49	0.20	
PRS441-CH-0007	4/17/2008	Uranium-238	2.20	4.20	0.80	0.43	
PRS441-CH-0008	4/17/2008	Actinium-227	4.60	13.61	0.00	0.31	U
PRS441-CH-0008	4/17/2008	Americium-241	63.00	189.00	0.00	0.07	U
PRS441-CH-0008	4/17/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U
PRS441-CH-0008	4/17/2008	Cesium-137	3.80	10.62	0.01	0.05	U
PRS441-CH-0008	4/17/2008	Cobalt-60	0.70	2.10	0.03	0.06	U
PRS441-CH-0008	4/17/2008	Lead-210	7.40	19.80	0.78	0.67	
PRS441-CH-0008	4/17/2008	Plutonium-238	55.00	165.13	0.81	6.51	U
PRS441-CH-0008	4/17/2008	Protactinium-231	4.00	11.81	0.00	1.77	U
PRS441-CH-0008	4/17/2008	Radium-226	2.90	4.70	0.70	0.13	
PRS441-CH-0008	4/17/2008	Thorium-230	2.80	4.60	2.56	6.48	U
PRS441-CH-0008	4/17/2008	Thorium-232	2.10	3.50	0.60	0.17	
PRS441-CH-0008	4/17/2008	Uranium-238	2.20	4.20	0.69	0.39	
PRS441-CH-0009	4/17/2008	Actinium-227	4.60	13.61	0.06	0.38	U
PRS441-CH-0009	4/17/2008	Americium-241	63.00	189.00	0.03	0.09	U
PRS441-CH-0009	4/17/2008	Bismuth-210M	8.30	24.90	0.01	0.06	U
PRS441-CH-0009	4/17/2008	Cesium-137	3.80	10.62	0.00	0.05	U
PRS441-CH-0009	4/17/2008	Cobalt-60	0.70	2.10	0.00	0.07	U
PRS441-CH-0009	4/17/2008	Lead-210	7.40	19.80	0.90	0.88	
PRS441-CH-0009	4/17/2008	Plutonium-238	55.00	165.13	0.00	8.87	U
PRS441-CH-0009	4/17/2008	Protactinium-231	4.00	11.81	0.40	1.98	U
PRS441-CH-0009	4/17/2008	Radium-226	2.90	4.70	1.01	0.15	
PRS441-CH-0009	4/17/2008	Thorium-230	2.80	4.60	0.00	9.01	U
PRS441-CH-0009	4/17/2008	Thorium-232	2.10	3.50	0.79	0.20	
PRS441-CH-0009	4/17/2008	Uranium-238	2.20	4.20	1.10	0.52	
PRS441-CH-0010	4/17/2008	Actinium-227	4.60	13.61	0.18	0.34	U
PRS441-CH-0010	4/17/2008	Americium-241	63.00	189.00	0.00	0.09	U
PRS441-CH-0010	4/17/2008	Bismuth-210M	8.30	24.90	0.01	0.06	U
PRS441-CH-0010	4/17/2008	Cesium-137	3.80	10.62	0.00	0.07	U
PRS441-CH-0010	4/17/2008	Cobalt-60	0.70	2.10	0.03	0.06	U
PRS441-CH-0010	4/17/2008	Lead-210	7.40	19.80	1.47	0.71	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag
PRS441-CH-0010	4/17/2008	Plutonium-238	55.00	165.13	0.00	7.71	U
PRS441-CH-0010	4/17/2008	Protactinium-231	4.00	11.81	0.00	1.88	U
PRS441-CH-0010	4/17/2008	Radium-226	2.90	4.70	0.92	0.14	
PRS441-CH-0010	4/17/2008	Thorium-230	2.80	4.60	0.28	8.16	U
PRS441-CH-0010	4/17/2008	Thorium-232	2.10	3.50	0.77	0.22	
PRS441-CH-0010	4/17/2008	Uranium-238	2.20	4.20	0.76	0.49	
PRS441-CH-0011	4/17/2008	Actinium-227	4.60	13.61	0.00	0.39	U
PRS441-CH-0011	4/17/2008	Americium-241	63.00	189.00	0.00	0.09	U
PRS441-CH-0011	4/17/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U
PRS441-CH-0011	4/17/2008	Cesium-137	3.80	10.62	0.00	0.06	U
PRS441-CH-0011	4/17/2008	Cobalt-60	0.70	2.10	0.00	0.08	U
PRS441-CH-0011	4/17/2008	Lead-210	7.40	19.80	0.14	0.89	U
PRS441-CH-0011	4/17/2008	Plutonium-238	55.00	165.13	0.00	8.39	U
PRS441-CH-0011	4/17/2008	Protactinium-231	4.00	11.81	0.02	1.82	U
PRS441-CH-0011	4/17/2008	Radium-226	2.90	4.70	0.89	0.12	
PRS441-CH-0011	4/17/2008	Thorium-230	2.80	4.60	4.66	7.76	U
PRS441-CH-0011	4/17/2008	Thorium-232	2.10	3.50	0.65	0.24	
PRS441-CH-0011	4/17/2008	Uranium-238	2.20	4.20	1.16	0.48	
AL-SU4011	6/19/2008	Actinium-227	4.60	13.61	0.00	0.11	U
AL-SU4011	6/19/2008	Americium-241	63.00	189.00	0.01	0.03	U
AL-SU4011	6/19/2008	Bismuth-210M	8.30	24.90	0.00	0.02	U
AL-SU4011	6/19/2008	Cesium-137	3.80	10.62	0.02	0.02	
AL-SU4011	6/19/2008	Cobalt-60	0.70	2.10	0.00	0.02	U
AL-SU4011	6/19/2008	Lead-210	7.40	19.80	0.73	0.26	
AL-SU4011	6/19/2008	Plutonium-238	55.00	165.13	0.00	2.42	U
AL-SU4011	6/19/2008	Protactinium-231	4.00	11.81	0.00	0.57	U
AL-SU4011	6/19/2008	Radium-226	2.90	4.70	0.74	0.04	
AL-SU4011	6/19/2008	Thorium-230	2.80	4.60	0.00	2.40	U
AL-SU4011	6/19/2008	Thorium-232	2.10	3.50	0.39	0.06	
AL-SU4011	6/19/2008	Uranium-238	2.20	4.20	0.76	0.14	
AL-SU4014	6/20/2008	Actinium-227	4.60	13.61	0.01	0.08	U
AL-SU4014	6/20/2008	Americium-241	63.00	189.00	0.01	0.02	U
AL-SU4014	6/20/2008	Bismuth-210M	8.30	24.90	0.00	0.01	U
AL-SU4014	6/20/2008	Cesium-137	3.80	10.62	0.00	0.01	U
AL-SU4014	6/20/2008	Cobalt-60	0.70	2.10	0.01	0.01	
AL-SU4014	6/20/2008	Lead-210	7.40	19.80	0.62	0.22	
AL-SU4014	6/20/2008	Plutonium-238	55.00	165.13	0.00	1.73	U
AL-SU4014	6/20/2008	Protactinium-231	4.00	11.81	0.07	0.41	U
AL-SU4014	6/20/2008	Radium-226	2.90	4.70	0.80	0.03	
AL-SU4014	6/20/2008	Thorium-230	2.80	4.60	0.06	1.80	U
AL-SU4014	6/20/2008	Thorium-232	2.10	3.50	0.57	0.04	
AL-SU4014	6/20/2008	Uranium-238	2.20	4.20	0.98	0.10	
AL-SU4-012C	6/23/2008	Actinium-227	4.60	13.61	0.10	0.25	U
AL-SU4-012C	6/23/2008	Americium-241	63.00	189.00	0.03	0.06	U
AL-SU4-012C	6/23/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U
AL-SU4-012C	6/23/2008	Cesium-137	3.80	10.62	0.11	0.04	
AL-SU4-012C	6/23/2008	Cobalt-60	0.70	2.10	0.00	0.04	U
AL-SU4-012C	6/23/2008	Lead-210	7.40	19.80	1.24	0.55	
AL-SU4-012C	6/23/2008	Plutonium-238	55.00	165.13	24.16	7.07	
AL-SU4-012C	6/23/2008	Protactinium-231	4.00	11.81	0.36	1.21	U
AL-SU4-012C	6/23/2008	Radium-226	2.90	4.70	0.75	0.10	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag
AL-SU4-012C	6/23/2008	Thorium-230	2.80	4.60	0.00	5.59	U
AL-SU4-012C	6/23/2008	Thorium-232	2.10	3.50	0.64	0.10	
AL-SU4-012C	6/23/2008	Uranium-238	2.20	4.20	0.86	0.34	
AL-SU4-016A	7/30/2008	Actinium-227	4.60	13.61	0.00	0.40	U
AL-SU4-016A	7/30/2008	Americium-241	63.00	189.00	0.02	0.09	U
AL-SU4-016A	7/30/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U
AL-SU4-016A	7/30/2008	Cesium-137	3.80	10.62	0.16	0.06	
AL-SU4-016A	7/30/2008	Cobalt-60	0.70	2.10	0.03	0.07	U
AL-SU4-016A	7/30/2008	Lead-210	7.40	19.80	1.37	0.82	
AL-SU4-016A	7/30/2008	Plutonium-238	55.00	165.13	2.77	8.74	U
AL-SU4-016A	7/30/2008	Protactinium-231	4.00	11.81	0.00	2.11	U
AL-SU4-016A	7/30/2008	Radium-226	2.90	4.70	0.50	0.18	
AL-SU4-016A	7/30/2008	Thorium-230	2.80	4.60	0.00	8.33	U
AL-SU4-016A	7/30/2008	Thorium-232	2.10	3.50	0.88	0.20	
AL-SU4-016A	7/30/2008	Uranium-238	2.20	4.20	0.88	0.51	
AL-SU4-031A	7/30/2008	Actinium-227	4.60	13.61	0.06	0.33	U
AL-SU4-031A	7/30/2008	Americium-241	63.00	189.00	0.04	0.08	U
AL-SU4-031A	7/30/2008	Bismuth-210M	8.30	24.90	0.00	0.06	U
AL-SU4-031A	7/30/2008	Cesium-137	3.80	10.62	0.02	0.06	U
AL-SU4-031A	7/30/2008	Cobalt-60	0.70	2.10	0.00	0.07	U
AL-SU4-031A	7/30/2008	Lead-210	7.40	19.80	0.86	0.72	
AL-SU4-031A	7/30/2008	Plutonium-238	55.00	165.13	3.52	7.97	U
AL-SU4-031A	7/30/2008	Protactinium-231	4.00	11.81	0.00	2.01	U
AL-SU4-031A	7/30/2008	Radium-226	2.90	4.70	0.76	0.15	
AL-SU4-031A	7/30/2008	Thorium-230	2.80	4.60	2.95	7.13	U
AL-SU4-031A	7/30/2008	Thorium-232	2.10	3.50	0.57	0.22	
AL-SU4-031A	7/30/2008	Uranium-238	2.20	4.20	0.62	0.49	
AL-SU4-032A	7/30/2008	Actinium-227	4.60	13.61	0.06	0.35	U
AL-SU4-032A	7/30/2008	Americium-241	63.00	189.00	0.05	0.08	U
AL-SU4-032A	7/30/2008	Bismuth-210M	8.30	24.90	0.01	0.06	U
AL-SU4-032A	7/30/2008	Cesium-137	3.80	10.62	0.19	0.07	
AL-SU4-032A	7/30/2008	Cobalt-60	0.70	2.10	0.01	0.06	U
AL-SU4-032A	7/30/2008	Lead-210	7.40	19.80	1.24	0.77	
AL-SU4-032A	7/30/2008	Plutonium-238	55.00	165.13	31.19	9.16	
AL-SU4-032A	7/30/2008	Protactinium-231	4.00	11.81	0.00	2.19	U
AL-SU4-032A	7/30/2008	Radium-226	2.90	4.70	0.71	0.13	
AL-SU4-032A	7/30/2008	Thorium-230	2.80	4.60	2.42	7.72	U
AL-SU4-032A	7/30/2008	Thorium-232	2.10	3.50	0.71	0.20	
AL-SU4-032A	7/30/2008	Uranium-238	2.20	4.20	0.77	0.50	
AL-SU4-033A	7/30/2008	Actinium-227	4.60	13.61	0.19	0.33	U
AL-SU4-033A	7/30/2008	Americium-241	63.00	189.00	0.00	0.09	U
AL-SU4-033A	7/30/2008	Bismuth-210M	8.30	24.90	0.01	0.05	U
AL-SU4-033A	7/30/2008	Cesium-137	3.80	10.62	0.00	0.05	U
AL-SU4-033A	7/30/2008	Cobalt-60	0.70	2.10	0.01	0.06	U
AL-SU4-033A	7/30/2008	Lead-210	7.40	19.80	0.53	0.75	U
AL-SU4-033A	7/30/2008	Plutonium-238	55.00	165.13	0.00	7.41	U
AL-SU4-033A	7/30/2008	Protactinium-231	4.00	11.81	0.72	1.61	U
AL-SU4-033A	7/30/2008	Radium-226	2.90	4.70	0.61	0.13	
AL-SU4-033A	7/30/2008	Thorium-230	2.80	4.60	0.00	7.58	U
AL-SU4-033A	7/30/2008	Thorium-232	2.10	3.50	0.44	0.23	
AL-SU4-033A	7/30/2008	Uranium-238	2.20	4.20	0.56	0.47	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag
AL-SU4-034A	7/30/2008	Actinium-227	4.60	13.61	0.04	0.32	U
AL-SU4-034A	7/30/2008	Americium-241	63.00	189.00	0.03	0.07	U
AL-SU4-034A	7/30/2008	Bismuth-210M	8.30	24.90	0.00	0.05	U
AL-SU4-034A	7/30/2008	Cesium-137	3.80	10.62	0.06	0.04	
AL-SU4-034A	7/30/2008	Cobalt-60	0.70	2.10	0.00	0.08	U
AL-SU4-034A	7/30/2008	Lead-210	7.40	19.80	0.32	0.74	U
AL-SU4-034A	7/30/2008	Plutonium-238	55.00	165.13	5.63	6.74	U
AL-SU4-034A	7/30/2008	Protactinium-231	4.00	11.81	0.00	1.72	U
AL-SU4-034A	7/30/2008	Radium-226	2.90	4.70	0.62	0.10	
AL-SU4-034A	7/30/2008	Thorium-230	2.80	4.60	0.81	6.87	U
AL-SU4-034A	7/30/2008	Thorium-232	2.10	3.50	0.46	0.21	
AL-SU4-034A	7/30/2008	Uranium-238	2.20	4.20	0.84	0.41	
AL-SCR-114	9/4/2008	Actinium-227	4.60	13.61	0.00	0.26	U
AL-SCR-114	9/4/2008	Americium-241	63.00	189.00	0.00	0.06	U
AL-SCR-114	9/4/2008	Bismuth-210M	8.30	24.90	0.01	0.04	U
AL-SCR-114	9/4/2008	Cesium-137	3.80	10.62	0.00	0.04	U
AL-SCR-114	9/4/2008	Cobalt-60	0.70	2.10	0.00	0.05	U
AL-SCR-114	9/4/2008	Lead-210	7.40	19.80	0.70	0.57	
AL-SCR-114	9/4/2008	Plutonium-238	55.00	165.13	0.00	5.41	U
AL-SCR-114	9/4/2008	Protactinium-231	4.00	11.81	0.00	1.42	U
AL-SCR-114	9/4/2008	Radium-226	2.90	4.70	1.27	0.10	
AL-SCR-114	9/4/2008	Thorium-230	2.80	4.60	0.00	6.00	U
AL-SCR-114	9/4/2008	Thorium-232	2.10	3.50	0.85	0.14	
AL-SCR-114	9/4/2008	Uranium-238	2.20	4.20	0.79	0.36	

Sample ID	Date Sampled	Analyte Name			Result	MDA	Qualifier
441-0200	8/27/2008	Actinium-227			0	0.34	U
441-0200	8/27/2008	Americium-241			0.04413	0.06912	U
441-0200	8/27/2008	Bismuth-210M			0	0.05793	U
441-0200	8/27/2008	Cesium-137			0.06305	0.03959	
441-0200	8/27/2008	Cobalt-60			0.002861	0.06806	U
441-0200	8/27/2008	Lead-210			1.148	0.7328	
441-0200	8/27/2008	Plutonium-238			0	7.556	U
441-0200	8/27/2008	Protactinium-231			0.7769	1.452	U
441-0200	8/27/2008	Radium-226			0.6545	0.1247	
441-0200	8/27/2008	Thorium-230			0	6.791	U
441-0200	8/27/2008	Thorium-232			0.5	0.2218	
441-0200	8/27/2008	Uranium-238			0.4206	0.4716	U
441-0201	8/27/2008	Actinium-227			0	0.3079	U
441-0201	8/27/2008	Americium-241			0.02116	0.05902	U
441-0201	8/27/2008	Bismuth-210M			0	0.05163	U
441-0201	8/27/2008	Cesium-137			0	0.04484	U
441-0201	8/27/2008	Cobalt-60			0.03418	0.03863	U
441-0201	8/27/2008	Lead-210			0.7877	0.6812	
441-0201	8/27/2008	Plutonium-238			0	6.845	U
441-0201	8/27/2008	Protactinium-231			0.834	1.474	U
441-0201	8/27/2008	Radium-226			0.4904	0.1211	
441-0201	8/27/2008	Thorium-230			0.8576	6.179	U
441-0201	8/27/2008	Thorium-232			0.3603	0.1345	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag
441-0201	8/27/2008	Uranium-238			0.3546	0.391	U
441-0202	8/27/2008	Actinium-227			0.09308	0.3029	U
441-0202	8/27/2008	Americium-241			0	0.08419	U
441-0202	8/27/2008	Bismuth-210M			0.001748	0.05852	U
441-0202	8/27/2008	Cesium-137			0.005222	0.05569	U
441-0202	8/27/2008	Cobalt-60			0	0.06509	U
441-0202	8/27/2008	Lead-210			1.086	0.7126	
441-0202	8/27/2008	Plutonium-238			7.521	6.673	
441-0202	8/27/2008	Protactinium-231			0.4724	1.688	U
441-0202	8/27/2008	Radium-226			0.6267	0.1326	
441-0202	8/27/2008	Thorium-230			0.4149	7.601	U
441-0202	8/27/2008	Thorium-232			0.3647	0.2527	
441-0202	8/27/2008	Uranium-238			0.6577	0.465	
441-0203	8/27/2008	Actinium-227			0	0.2975	U
441-0203	8/27/2008	Americium-241			0.01198	0.06642	U
441-0203	8/27/2008	Bismuth-210M			0	0.05218	U
441-0203	8/27/2008	Cesium-137			0.0003674	0.04302	U
441-0203	8/27/2008	Cobalt-60			0.03803	0.04248	U
441-0203	8/27/2008	Lead-210			0.2103	0.6826	U
441-0203	8/27/2008	Plutonium-238			0	6.665	U
441-0203	8/27/2008	Protactinium-231			0.09207	1.42	U
441-0203	8/27/2008	Radium-226			0.6512	0.09209	
441-0203	8/27/2008	Thorium-230			2.562	6.228	U
441-0203	8/27/2008	Thorium-232			0.6655	0.1359	
441-0203	8/27/2008	Uranium-238			0.3643	0.4149	U
Sample ID	Date Sampled	Analyte Name			Result	MDA	Qualifier
441-0204	8/27/2008	Actinium-227			0	0.3477	U
441-0204	8/27/2008	Americium-241			0.06442	0.07899	U
441-0204	8/27/2008	Bismuth-210M			0	0.05571	U
441-0204	8/27/2008	Cesium-137			0.07094	0.04494	
441-0204	8/27/2008	Cobalt-60			0.03958	0.04321	U
441-0204	8/27/2008	Lead-210			1.33	0.7514	
441-0204	8/27/2008	Plutonium-238			1.36	7.667	U
441-0204	8/27/2008	Protactinium-231			0.4047	1.803	U
441-0204	8/27/2008	Radium-226			0.7006	0.1217	
441-0204	8/27/2008	Thorium-230			5.587	7.269	U
441-0204	8/27/2008	Thorium-232			0.5901	0.2276	
441-0204	8/27/2008	Uranium-238			0.5525	0.4852	
441-0205	8/27/2008	Actinium-227			0	0.3151	U
441-0205	8/27/2008	Americium-241			0	0.06944	U
441-0205	8/27/2008	Bismuth-210M			0	0.0621	U
441-0205	8/27/2008	Cesium-137			0.06331	0.05491	
441-0205	8/27/2008	Cobalt-60			0	0.06853	U
441-0205	8/27/2008	Lead-210			1.45	0.7161	
441-0205	8/27/2008	Plutonium-238			1.328	6.725	U
441-0205	8/27/2008	Protactinium-231			0.1197	1.554	U
441-0205	8/27/2008	Radium-226			0.4927	0.1057	
441-0205	8/27/2008	Thorium-230			0	6.941	U

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag
441-0205	8/27/2008	Thorium-232			0.3128	0.2023	
441-0205	8/27/2008	Uranium-238			0.4532	0.4159	
441-0206	8/27/2008	Actinium-227			0	0.2988	U
441-0206	8/27/2008	Americium-241			0.0008898	0.07227	U
441-0206	8/27/2008	Bismuth-210M			0.02909	0.04954	U
441-0206	8/27/2008	Cesium-137			0.0773	0.04539	
441-0206	8/27/2008	Cobalt-60			0	0.05036	U
441-0206	8/27/2008	Lead-210			1.528	0.6349	
441-0206	8/27/2008	Plutonium-238			3.589	6.989	U
441-0206	8/27/2008	Protactinium-231			0	1.867	U
441-0206	8/27/2008	Radium-226			0.6088	0.1201	
441-0206	8/27/2008	Thorium-230			0.02279	6.366	U
441-0206	8/27/2008	Thorium-232			0.6753	0.1304	
441-0206	8/27/2008	Uranium-238			0.5351	0.4096	
441-0207	8/27/2008	Actinium-227			0.1424	0.3157	U
441-0207	8/27/2008	Americium-241			0	0.08584	U
441-0207	8/27/2008	Bismuth-210M			0.02901	0.05289	U
441-0207	8/27/2008	Cesium-137			0.09768	0.05765	
441-0207	8/27/2008	Cobalt-60			0.02544	0.05168	U
441-0207	8/27/2008	Lead-210			0.4807	0.8053	U
441-0207	8/27/2008	Plutonium-238			7.762	8.465	U
441-0207	8/27/2008	Protactinium-231			0.5809	1.746	U
441-0207	8/27/2008	Radium-226			0.7628	0.1452	
441-0207	8/27/2008	Thorium-230			1.229	7.549	U
441-0207	8/27/2008	Thorium-232			0.615	0.2061	
441-0207	8/27/2008	Uranium-238			1.007	0.4887	
Sample ID	Date Sampled	Analyte Name	Result	Units	Qualifier	MDA	
441-0208	8/27/2008	Actinium-227	0.2209	PCI/G	U	0.3001	
441-0208	8/27/2008	Americium-241	0.02586	PCI/G	U	0.07555	
441-0208	8/27/2008	Bismuth-210M	0	PCI/G	U	0.05562	
441-0208	8/27/2008	Cesium-137	0.007243	PCI/G	U	0.04206	
441-0208	8/27/2008	Cobalt-60	0.02869	PCI/G	U	0.05286	
441-0208	8/27/2008	Lead-210	0.9366	PCI/G		0.6894	
441-0208	8/27/2008	Plutonium-238	0	PCI/G	U	7.484	
441-0208	8/27/2008	Protactinium-231	0	PCI/G	U	1.707	
441-0208	8/27/2008	Radium-226	0.8049	PCI/G		0.1105	
441-0208	8/27/2008	Thorium-230	4.877	PCI/G	U	7.117	
441-0208	8/27/2008	Thorium-232	0.7049	PCI/G		0.1664	
441-0208	8/27/2008	Uranium-238	0.9466	PCI/G		0.4395	
441-0209	8/27/2008	Actinium-227	0	PCI/G	U	0.3421	
441-0209	8/27/2008	Americium-241	0	PCI/G	U	0.0817	
441-0209	8/27/2008	Bismuth-210M	0.01853	PCI/G	U	0.05389	
441-0209	8/27/2008	Cesium-137	0	PCI/G	U	0.05778	
441-0209	8/27/2008	Cobalt-60	0	PCI/G	U	0.08071	
441-0209	8/27/2008	Lead-210	0.7626	PCI/G		0.7054	
441-0209	8/27/2008	Plutonium-238	0.5232	PCI/G	U	7.558	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag
441-0209	8/27/2008	Protactinium-231	0	PCI/G	U	2.03	
441-0209	8/27/2008	Radium-226	0.8144	PCI/G		0.1491	
441-0209	8/27/2008	Thorium-230	0	PCI/G	U	7.932	
441-0209	8/27/2008	Thorium-232	0.4631	PCI/G		0.1876	
441-0209	8/27/2008	Uranium-238	1.115	PCI/G		0.4484	
441-0210	8/27/2008	Actinium-227	0.04856	PCI/G	U	0.3696	
441-0210	8/27/2008	Americium-241	0	PCI/G	U	0.09266	
441-0210	8/27/2008	Bismuth-210M	0.01125	PCI/G	U	0.05609	
441-0210	8/27/2008	Cesium-137	0.03145	PCI/G	U	0.05258	
441-0210	8/27/2008	Cobalt-60	0	PCI/G	U	0.08086	
441-0210	8/27/2008	Lead-210	1.445	PCI/G		0.7858	
441-0210	8/27/2008	Plutonium-238	0	PCI/G	U	9.199	
441-0210	8/27/2008	Protactinium-231	0	PCI/G	U	2.09	
441-0210	8/27/2008	Radium-226	0.754	PCI/G		0.1603	
441-0210	8/27/2008	Thorium-230	0	PCI/G	U	8.324	
441-0210	8/27/2008	Thorium-232	0.6763	PCI/G		0.1926	
441-0210	8/27/2008	Uranium-238	1.024	PCI/G		0.4856	
441-0211	8/27/2008	Actinium-227	0	PCI/G	U	0.3192	
441-0211	8/27/2008	Americium-241	0	PCI/G	U	0.07415	
441-0211	8/27/2008	Bismuth-210M	0	PCI/G	U	0.05481	
441-0211	8/27/2008	Cesium-137	0.02427	PCI/G	U	0.04171	
441-0211	8/27/2008	Cobalt-60	0	PCI/G	U	0.07562	
441-0211	8/27/2008	Lead-210	0.3508	PCI/G	U	0.7461	
441-0211	8/27/2008	Plutonium-238	6.718	PCI/G		6.125	
441-0211	8/27/2008	Protactinium-231	0.384	PCI/G	U	1.497	
441-0211	8/27/2008	Radium-226	0.6229	PCI/G		0.1263	
441-0211	8/27/2008	Thorium-230	0.8796	PCI/G	U	6.884	
441-0211	8/27/2008	Thorium-232	0.6112	PCI/G		0.1638	
441-0211	8/27/2008	Uranium-238	0.6773	PCI/G		0.438	
Sample ID	Date Sampled	Analyte Name	Result	Units	Qualifier	MDA	
441-0212	8/27/2008	Actinium-227	0.06872	PCI/G	U	0.3265	
441-0212	8/27/2008	Americium-241	0.02875	PCI/G	U	0.07588	
441-0212	8/27/2008	Bismuth-210M	0	PCI/G	U	0.05571	
441-0212	8/27/2008	Cesium-137	0.01297	PCI/G	U	0.07083	
441-0212	8/27/2008	Cobalt-60	0.01648	PCI/G	U	0.03952	
441-0212	8/27/2008	Lead-210	0.7509	PCI/G		0.7335	
441-0212	8/27/2008	Plutonium-238	2.444	PCI/G	U	7.494	
441-0212	8/27/2008	Protactinium-231	0	PCI/G	U	1.686	
441-0212	8/27/2008	Radium-226	0.8734	PCI/G		0.1334	
441-0212	8/27/2008	Thorium-230	2.706	PCI/G	U	6.969	
441-0212	8/27/2008	Thorium-232	0.1842	PCI/G	U	0.2691	
441-0212	8/27/2008	Uranium-238	0.7432	PCI/G		0.4585	
441-0213	8/27/2008	Actinium-227	0.02771	PCI/G	U	0.4275	
441-0213	8/27/2008	Americium-241	0.02458	PCI/G	U	0.09705	
441-0213	8/27/2008	Bismuth-210M	0.01007	PCI/G	U	0.06634	
441-0213	8/27/2008	Cesium-137	0.1933	PCI/G		0.07562	

Sample ID	Date Sampled	Analyte	CO pCi/g	HS pCi/g	Result pCi/g	Minimum Detection Limit pCi/g	Flag
441-0213	8/27/2008	Cobalt-60	0	PCI/G	U	0.08737	
441-0213	8/27/2008	Lead-210	1.471	PCI/G		0.8759	
441-0213	8/27/2008	Plutonium-238	5.774	PCI/G	U	8.923	
441-0213	8/27/2008	Protactinium-231	0	PCI/G	U	2.366	
441-0213	8/27/2008	Radium-226	0.9992	PCI/G		0.167	
441-0213	8/27/2008	Thorium-230	1.833	PCI/G	U	8.626	
441-0213	8/27/2008	Thorium-232	0.6786	PCI/G		0.2095	
441-0213	8/27/2008	Uranium-238	0.8953	PCI/G		0.5956	
441-0214	8/27/2008	Actinium-227	0	PCI/G	U	0.3119	
441-0214	8/27/2008	Americium-241	0	PCI/G	U	0.07621	
441-0214	8/27/2008	Bismuth-210M	0.006752	PCI/G	U	0.04816	
441-0214	8/27/2008	Cesium-137	0	PCI/G	U	0.04878	
441-0214	8/27/2008	Cobalt-60	0	PCI/G	U	0.05358	
441-0214	8/27/2008	Lead-210	0.8218	PCI/G		0.6805	
441-0214	8/27/2008	Plutonium-238	1.011	PCI/G	U	6.418	
441-0214	8/27/2008	Protactinium-231	0.884	PCI/G	U	1.438	
441-0214	8/27/2008	Radium-226	0.8392	PCI/G		0.1174	
441-0214	8/27/2008	Thorium-230	0	PCI/G	U	6.95	
441-0214	8/27/2008	Thorium-232	0.6238	PCI/G		0.1914	
441-0214	8/27/2008	Uranium-238	0.569	PCI/G		0.4273	
PCI/G – picocurie per gram							
U – Results are less than the minimum detection limit							

ATTACHMENT D

Data Review and Validation Report

DATA REVIEW AND VALIDATION SUMMARY REPORT POTENTIAL RELEASE SITE 441 VERIFICATION DATA

July 2009

Prepared By:

Shaw Environmental & Infrastructure, Inc.
5050 Section Avenue
Cincinnati, Ohio 45212

Executive Summary

Verification samples were collected from Potential Release Site 441. The soil samples were analyzed for radioactivity using alpha and gamma spectroscopy and polychlorinated biphenyls in accordance with test methods based on U.S. Department of Energy and U.S. Environmental Protection Agency approved methods. These samples were analyzed by TestAmerica at their facility in St. Louis, Missouri. The scope of these reviews and validations was the analytical data generated from the off-site TestAmerica facility.

One hundred percent of the analytical data were reviewed by Shaw Environmental, Inc. in accordance with their standard review practices and the Methods Compendium (DOE, 2002). Three data packages representing approximately 10 percent of the data were selected for validation by Shaw Environmental, Inc. The results of the reviews and validations are presented in this document. The findings indicate that these data are usable, no data were rejected.

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Appendix A Validation Documentation

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Acronyms and Abbreviations

°C	degrees Centigrade
COC	chain of custody
EPA	U.S. Environmental Protection Agency
ID	identifier
MDA	minimum detectable activity
MS/MSD	matrix spike/matrix spike duplicate
PCB	polychlorinated biphenyl
PRS	Potential Release Site
QA	quality assurance
QC	quality control
RPD	relative percent difference
SOP	Standard Operating Procedures

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1.0 Introduction

This data assessment report has been prepared to describe the data quality for Potential Release Site (PRS) 441 verification data. Data assessment encompasses two types of quality control (QC) reviews on the data: data review and data validation. Data review involves a review of the basic QC data included in the laboratory data package, for example, laboratory blanks and field duplicates. Data validation is a detailed review of the laboratory data packages, which include all of the data review elements plus verification of such things as proper instrument calibration, instrument calibration validity during sample analysis, identification of target analytes, and proper treatment and quantification of the data. Data validation was performed on approximately 10 percent of the sample data. The results of the data validation are assessed to identify whether any systemic problems are apparent.

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2.0 Data Review

The data were reviewed in accordance with the Methods Compendium and TestAmerica's laboratory Standard Operating Procedures (SOP) (available upon request) (DOE, 2002). Tier III reviews were performed and based on the summary forms submitted with the analytical data packages. The results of the assessments are presented in this section by lot number. No validation qualifiers were assigned to the data based on these reviews.

2.1 Lot F8G180280

Ten soil samples were collected from PRS 441 from July 1 through July 16, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy analysis including isotopic plutonium, thorium, and gamma spectroscopy. The laboratory received the samples intact and at 5 degrees Centigrade (°C). There were no irregularities associated with the chain-of-custody (COC) documentation. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses. Based on the summary forms and raw data, the data, as reviewed, are usable. No data would be rejected.

Below are the laboratory sample identifiers (ID) and client sample IDs contained in Lot F8G180280:

Laboratory ID	Field ID
F8G180280-001	4110-0006A -HO
F8G180280-002	4110-0014A -HO
F8G180280-003	4110-0019A -HO
F8G180280-004	4110-0025A -HO
F8G180280-005	4110-0031A -HO
F8G180280-006	4110-0033A -HO
F8G180280-007	4110-0084A -HO
F8G180280-008	4110-0087A -HO
F8G180280-009	4110-0104A -HO
F8G180280-010	4110-0105A -HO

2.1.1 Data Package Completeness

The data package was reviewed for the items listed in Table 1, "Package Completeness Checklist for Lot F8G180280."

2.1.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated quality assurance (QA)/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 2, "Alpha Spectroscopy Quality Control Review for Lot F8G180280," presents the results of the review.

2.1.2.1 Isotopic Plutonium

The laboratory reported analytes plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable.

The plutonium sample, 4110-0087-HO, required a manual integration above the 40 kilo electron volts limit. The sample spectrum was smeared. The sample was reprepared and reanalyzed. The plutonium re-extract sample results were acceptable and reported.

2.1.2.2 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The associated QA/QC data were acceptable.

2.1.3 Gamma Spectroscopy

Table 3, "Gamma Spectroscopy Quality Control Review for Lot F8G180280," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210M, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.2 Lot F8I250280

Twenty soil samples were collected on September 23, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for polychlorinated biphenyls (PCB). The laboratory received the samples intact and at 3°C. There were no irregularities in the associated COC documentation. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F8I250280:

Laboratory ID	Field ID
F8I250280-001	4102-0239A-HO
F8I250280-002	4102-0240A-HO
F8I250280-003	4102-0241A-HO
F8I250280-004	4102-0242A-HO
F8I250280-005	4102-0243A-HO
F8I250280-006	4102-0244A-HO
F8I250280-007	4102-0245A-HO
F8I250280-008	4102-0246A-HO
F8I250280-009	4102-0247A-HO
F8I250280-010	4102-0248A-HO
F8I250280-011	4102-0249A-HO
F8I250280-012	4102-0250A-HO
F8I250280-013	4102-0251A-HO
F8I250280-014	4102-0251A-HD
F8I250280-015	4102-0252A-HO
F8I250280-016	4102-0257A-HO
F8I250280-017	4102-0258A-HO
F8I250280-018	4102-0259A-HO
F8I250280-019	4102-0260A-HO
F8I250280-020	4102-0261A-HO

2.2.1 Data Package Completeness

The data package was reviewed for the items listed in Table 4, "Package Completeness Checklist for Lot F8I250280."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 5, "Results of Review of Package F8I250280 for Polychlorinated Biphenyls."

2.2.2 Surrogate Recovery

Recoveries of the surrogate, decachlorobiphenyl, were within the 57 to 150 percent control limits for all samples except 4102-0246A-HO. The recovery was high (2,180 percent). No corrective action was taken. The result for Aroclor 1248 should be considered as estimated.

2.2.3 Quantitation

The U.S. Environmental Protection Agency (EPA) SW-846 Method 8082 requires three to five peaks be used for PCB quantitation. Due to the presence of matrix interferences in the sample, and in some cases, the presence of multiple Aroclors, only three or four peaks were used for quantitation. This did not affect the quality of the data. The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent. This information is presented in Table 6, "Polychlorinated Biphenyl Confirmations – Lot FI8250280."

2.3 Lot F8I250288

Twenty soil samples were collected on September 23, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 3°C. There were no irregularities in the associated COC documentation. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F8I250288:

Laboratory ID	Field ID
F8I250288-001	4102-0262A-HO
F8I250288-002	4102-0263A-HO
F8I250288-003	4102-0268A-HO
F8I250288-004	4102-0269A-HO
F8I250288-005	4102-0270A-HO
F8I250288-006	4102-0270A-HD
F8I250288-007	4102-0271A-HO
F8I250288-008	4102-0272A-HO
F8I250288-009	4102-0273A-HO
F8I250288-010	4102-0274A-HO
F8I250288-011	4102-0279A-HO
F8I250288-012	4102-0280A-HO
F8I250288-013	4102-0281A-HO
F8I250288-014	4102-0282A-HO
F8I250288-015	4102-0283A-HO
F8I250288-016	4102-0284A-HO
F8I250288-017	4102-0285A-HO
F8I250288-018	4102-0290A-HO
F8I250288-019	4102-0291A-HO
F8I250288-020	4102-0292A-HO

2.3.1 Data Package Completeness

The data package was reviewed for the items listed in Table 7, "Package Completeness Checklist for Lot F8I250288."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 8, "Results of Review of Package F8I250288 for Polychlorinated Biphenyls."

2.3.2 Matrix Spike/Matrix Spike Duplicate

Sample 4201-0262A-HO was used for the matrix spike/matrix spike duplicate (MS/MSD). Aroclor 1016 and Aroclor 1260 were spiked into sample aliquots. The recoveries for Aroclor 1016 were above the upper control limit of 150 percent. Aroclor 1016 was not a reported detect for the sample. No further action was taken. The precision, however, was acceptable.

2.3.3 Surrogate Recovery

Recoveries of the surrogate, decachlorobiphenyl, were within the 57 to 150 percent control limits for all samples except 4102-0268A-HO. The recovery was high for both the original run (2,490 percent) and the diluted run (2,550 percent). The original analytical run resulted in a reported Aroclor 1248 concentration that exceeded the calibration. The second run of this sample was diluted by a factor of four. No corrective action was required. The result for Aroclor 1248 should be considered as estimated.

2.3.4 Quantitation

Samples 4120-0268A and 4102-0281A were analyzed at a dilution due to high concentrations of target analytes. The reporting limits were adjusted for the dilutions.

The EPA SW-846 Method 8082 requires three to five peaks be used for PCB quantitation. Due to the presence of matrix interferences in the sample, and in some cases, the presence of multiple Aroclors, only three or four peaks were used for quantitation. This did not affect the quality of the data. The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent. This information is presented in Table 9, "Polychlorinated Biphenyl Confirmations – Lot F8I250288."

2.4 Lot F8J020189

Twenty-one soil samples were collected on September 29, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 2°C. There were no irregularities in the associated COC documentation. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F8J020189:

Laboratory ID	Field ID
F8J020189-001	4102-0323A-HO
F8J020189-002	4102-0324A-HO
F8J020189-003	4102-0325A-HO
F8J020189-004	4102-0326A-HO
F8J020189-005	4102-0327A-HO
F8J020189-006	4102-0327A-HD
F8J020189-007	4102-0328A-HO
F8J020189-008	4102-0332A-HO
F8J020189-009	4102-0333A-HO
F8J020189-010	4102-0334A-HO
F8J020189-011	4102-0335A-HO
F8J020189-012	4102-0336A-HO
F8J020189-013	4102-0337A-HO
F8J020189-014	4102-0338A-HO
F8J020189-015	4102-0339A-HO
F8J020189-016	4102-0343A-HO
F8J020189-017	4102-0344A-HO
F8J020189-018	4102-0345A-HO
F8J020189-019	4102-0346A-HO
F8J020189-020	4102-0346A-HD
F8J020189-021	4102-0347A-HO

2.4.1 Data Package Completeness

The data package was reviewed for the items listed in Table 10, "Package Completeness Checklist for Lot F8J020189."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using SW-846 Method 8082. There were no QA/QC anomalies. The results of the data review are listed in Table 11, "Results of Review of Package F8J020189 for Polychlorinated Biphenyls."

2.4.2 Quantitation

The EPA SW-846 Method 8082 requires three to five peaks be used for PCB quantitation. Due to the presence of matrix interferences in the sample, and in some cases, the presence of multiple Aroclors, only three or four peaks were used for quantitation. This did not affect the quality of the data. The laboratory confirmed the detect using a second column; the results were reported

from the primary column. This information is presented in Table 12, "Polychlorinated Biphenyl Confirmations – Lot F8J020189."

2.5 Lot F8J020194

Twenty soil samples were collected on September 29, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 2°C. There were no irregularities in the associated COC documentation. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request). The data also received a Tier III data validation. This review is presented in Section 3.0.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8J020194:

Laboratory ID	Field ID
F8J020194-001	4102-0293A-HO
F8J020194-002	4102-0294A-HO
F8J020194-003	4102-0295A-HO
F8J020194-004	4102-0296A-HO
F8J020194-005	4102-0301A-HO
F8J020194-006	4102-0302A-HO
F8J020194-007	4102-0303A-HO
F8J020194-008	4102-0304A-HO
F8J020194-009	4102-0305A-HO
F8J020194-010	4102-0306A-HO
F8J020194-011	4102-0307A-HO
F8J020194-012	4102-0311A-HO
F8J020194-013	4102-0312A-HO
F8J020194-014	4102-0313A-HO
F8J020194-015	4102-0314A-HO
F8J020194-016	4102-0315A-HO
F8J020194-017	4102-0316A-HO
F8J020194-018	4102-0317A-HO
F8J020194-019	4102-0318A-HO
F8J020194-020	4102-0322A-HO

2.5.1 Data Package Completeness

The data package was reviewed for the items listed in Table 13, "Package Completeness Checklist for Lot F8J020194."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using EPA SW-846 Method 8082. There were

no QA/QC anomalies that affected the data. The results of the data review are listed in Table 14, "Results of Review of Package F8J020194 for Polychlorinated Biphenyls."

2.5.2 Quantitation

The EPA SW-846 Method 8082 requires three to five peaks be used for PCB quantitation. Due to the presence of matrix interferences in the sample, and in some cases, the presence of multiple Aroclors, only three or four peaks were used for quantitation. This did not affect the quality of the data. The laboratory confirmed the detect using a second column; the results were reported from the primary column. This information is presented in Table 15, "Polychlorinated Biphenyl Confirmations – Lot F8J020194."

2.6 Lot F8J160124

Twenty-one soil samples were collected from September 19 through October 13, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. All of the soil samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. The laboratory received the samples intact and at 2°C. There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses.

Based on the summary forms, the data, except for sample F8J160124 (21):4102-0336A-HO, were acceptable. Reanalysis of sample 4102-0336A-HO was requested.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8J160124:

Laboratory ID	Field ID
F8J160124 -001	4101-0121A-HO
F8J160124 -002	4101-0129A-HO
F8J160124 -003	4101-0144A-HO
F8J160124 -004	4101-0148A-HO
F8J160124 -005	4101-0175A-HO
F8J160124 -006	4101-0175A-HD
F8J160124 -007	4101-0176A-HO
F8J160124 -008	4101-0185A-HO
F8J160124 -009	4101-0187B-HO
F8J160124 -010	4101-0210A-HO
F8J160124 -011	4101-0219A-HO
F8J160124 -012	4101-0221A-HO
F8J160124 -013	4102-0239A-HO

F8J160124 -014	4102-0251A-HO
F8J160124 -015	4102-0251A-HD
F8J160124 -016	4102-0257A-HO
F8J160124 -017	4102-0272A-HO
F8J160124 -018	4102-0294A-HO
F8J160124 -019	4102-0312A-HO
F8J160124 -020	4102-0334A-HO
F8J160124 -021	4102-0336A-HO

2.6.1 Data Package Completeness

The data package was reviewed for the items listed in Table 16, "Package Completeness Checklist for Lot F8J160124."

2.6.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable with the exception of sample F8J160124 (21):4102-0336A-HO. The sample failed the laboratory duplicate criteria for isotopic plutonium, thorium, and uranium. Reanalysis of this sample has been requested. The remaining results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 17, "Alpha Spectroscopy Quality Control Review for Lot F8J160124," presents the results of the review.

2.6.2.1 Isotopic Plutonium

The laboratory reported analytes plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable except for the laboratory duplicate, 4102-0336A-HO. The precision was high; however, both values were less than the 1 picoCurie per gram reporting limit. The sample was reanalyzed in Lot F8K120251.

2.6.2.2 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The associated QA/QC data were acceptable except for the laboratory duplicate, 4102-0336A-HO. The sample failed the laboratory duplicate criteria for thorium-228 and thorium-232. The sample was reanalyzed in Lot F8K120251.

2.6.2.3 Isotopic Uranium

The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable except for the laboratory duplicate, 4102-0336A-HO. The sample failed the laboratory duplicate criteria for uranium-233/234. The sample was reanalyzed in Lot F8K120251.

2.6.3 Gamma Spectroscopy

Table 18, "Gamma Spectroscopy Quality Control Review for Lot F8J160124," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210M, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.7 Lot F8K040166

Twenty soil samples were collected from September 19 through October 17, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for isotopic thorium and isotopic uranium by alpha spectroscopy. The laboratory received the samples intact and at 2°C.

Sample 4102-0268A-HO was misidentified by the off-site laboratory as 4102-0248A-HO. Also the second page of the COC was switched with the second page of the COC for Lot F8K040169. There were no other irregularities associated with the COC documentation.

The long count was specified on the COC form, but this was later changed to the short count by project management. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy sample preparation and analysis. Based on the summary forms and raw data, the data, as reviewed, are usable. No data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8K040166:

Laboratory ID	Field ID
F8K040166-001	4101-0136A-HO
F8K040166-002	4101-0137A -HO
F8K040166-003	4101-0138A -HO
F8K040166-004	4101-0139A -HO
F8K040166-005	4101-0147A -HO
F8K040166-006	4101-0149C -HO
F8K040166-007	4101-0150A -HO

F8K040166-008	4101-0150A -HO
F8K040166-009	4101-0152A -HO
F8K040166-010	4101-0158B -HO
F8K040166-011	4101-0159B -HO
F8K040166-012	4101-0153A -HO
F8K040166-013	4101-0160A -HO
F8K040166-014	4101-0161A -HO
F8K040166-015	4101-0162B -HO
F8K040166-016	4101-0163A -HO
F8K040166-017	4101-0173B -HO
F8K040166-018	4101-0174A -HO
F8K040166-019	4102-0246A -HO
F8K040166-020	4102-0268A-HO

2.7.1 Data Package Completeness

The data package was reviewed for the items listed in Table 19, "Package Completeness Checklist for Lot F8K040166."

2.7.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable.

Table 20, "Alpha Spectroscopy Quality Control Review for Lot F8K040166," presents the results of the review.

2.7.2.1 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. No nonconformances were noted for the isotopic thorium analysis.

2.7.2.2 Isotopic Uranium

The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. No nonconformances were noted for the isotopic uranium analysis.

2.8 Lot F8K040169

Twenty soil samples were collected from September 22 through October 17, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for isotopic thorium and isotopic uranium by alpha spectroscopy. The laboratory received the samples intact and at 2°C. There were no irregularities associated with the COC documentation. The long count was specified on the COC form, but this was later changed to the short count by project management. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy sample preparation and analysis. Based on the summary forms and raw data, the data, as reviewed, are usable. No data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8K040169:

Laboratory ID	Field ID
F8K040169-001	4101-0171B-HO
F8K040169-002	4101-0172C-HO
F8K040169-003	4101-0182A-HO
F8K040169-004	4101-0183B-HO
F8K040169-005	4101-0184B-HO
F8K040169-006	4101-0186A-HO
F8K040169-007	4101-0193B-HO
F8K040169-008	4101-0194B-HO
F8K040169-009	4101-0195A-HO
F8K040169-010	4101-0196A-HO
F8K040169-011	4101-0202B-HO
F8K040169-012	4101-0203B-HO
F8K040169-013	4101-0204A-HO
F8K040169-014	4101-0209A-HO
F8K040169-015	4101-0215A-HO
F8K040169-016	4101-0216A-HO
F8K040169-017	4101-0217A-HO
F8K040169-018	4102-0290A-HO
F8K040169-019	4102-0311A-HO
F8K040169-020	4102-0332A-HO

2.8.1 Data Package Completeness

The data package was reviewed for the items listed in Table 21, "Package Completeness Checklist for Lot F8K040169."

2.8.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable.

Table 22, "Alpha Spectroscopy Quality Control Review for Lot F8K040169," presents the results of the review.

2.8.2.1 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. No nonconformances were noted for the isotopic thorium analysis.

2.8.2.2 Isotopic Uranium

The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. No nonconformances were noted for the isotopic uranium analysis.

2.9 Lot F8K050128

Twenty soil samples were collected from September 25 through October 13, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for isotopic thorium and isotopic uranium by alpha spectroscopy. The laboratory received the samples intact and at 2°C. Sample 4101-0214A-HO was misidentified by the off-site laboratory as 4101-0214A-HD. There were no other irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

Based on the summary forms and raw data, the data, as reviewed, are usable. No data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8K050128:

Laboratory ID	Field ID
F8K040169-001	4101-0178B-HO
F8K040169-002	4101-0179B-HO
F8K040169-003	4101-0180A-HO
F8K050128-004	4101-0181A-HO
F8K050128-005	4101-0188B-HO
F8K050128-006	4101-0189B-HO
F8K050128-007	4101-0190A-HO
F8K050128-008	4101-0191A-HO
F8K050128-009	4101-0197B-HO
F8K050128-010	4101-0198A-HO
F8K050128-011	4101-0199A-HO
F8K050128-012	4101-0200A-HO
F8K050128-013	4101-0205B-HO
F8K050128-014	4101-0206A-HO
F8K050128-015	4101-0207A-HO
F8K050128-016	4101-0208A-HO
F8K050128-017	4101-0208A-HO
F8K050128-018	4101-0213A-HO
F8K050128-019	4101-0214A-HO
F8K050128-020	4101-0220A-HO

2.9.1 Data Package Completeness

The data package was reviewed for the items listed in Table 23, "Package Completeness Checklist for Lot F8K050128."

2.9.2 Alpha Spectroscopy

The samples were analyzed for isotopic thorium and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable.

Table 24, "Alpha Spectroscopy Quality Control Review for Lot F8K050128," presents the results of the review.

2.9.2.1 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. Sample F8K050128 (9):4101-0197B-HO had a tracer recovery below the 30 percent QC limit. Sample F8K050128 (10):4101-0198A-HO had undefined regions of interest in the sample spectrum. Both samples were re-extracted and re-analyzed with acceptable results. Field duplicate precision for thorium-228 was high. No action was required because the results are less than the 1 picoCurie per gram reporting limit. The remaining QA/QC data were acceptable.

2.9.2.2 Isotopic Uranium

The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable.

2.10 Lot F8K050136

Twenty soil samples were collected from PRS 441 from September 24 through October 14, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. The soil samples were analyzed for isotopic thorium and isotopic uranium. The laboratory received the samples intact and at 2°C. There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

Based on the summary forms and raw data, the data, as reviewed, are usable. No data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8K050136:

Laboratory ID	Field ID
F8K050136-001	4101-0118A -HO
F8K050136-002	4101-0119A -HO
F8K050136-003	4101-0120A -HO

F8K050136-004	4101-0127A-HO
F8K050136-005	4101-0125A-HO
F8K050136-006	4101-0128A-HO
F8K050136-007	4101-0130A-HO
F8K050136-008	4101-0131A-HO
F8K050136-009	4101-0140A-HO
F8K050136-010	4101-0141B-HO
F8K050136-011	4101-0142A-HO
F8K050136-012	4101-0146B-HO
F8K050136-013	4101-0170B-HO
F8K050136-014	4101-0192B-HO
F8K050136-015	4101-0201B-HO
F8K050136-016	4101-0218A-HO
F8K050136-017	4101-0222A-HO
F8K050136-018	4101-0223A-HO
F8K050136-019	4101-0224A-HO
F8K050136-020	4101-0225A-HO

2.10.1 Data Package Completeness

The data package was reviewed for the items listed in Table 25, "Package Completeness Checklist for Lot F8K050136."

2.10.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable.

Table 26, "Alpha Spectroscopy Quality Control Review for Lot F8K050136," presents the results of the review.

2.10.2.1 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The laboratory precision for the thorium-228 was high. No action was required because the results were less than the reporting limit of 1 picoCurie per gram. The remaining associated QA/QC data were acceptable.

2.10.2.2 Isotopic Uranium

The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable.

2.11 Lot F8K050138

Twenty-two soil samples were collected from PRS 441 on September 24 through October 13, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for

isotopic thorium and isotopic uranium by alpha spectroscopy. The laboratory received the samples intact and at 2°C. There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

Based on the summary forms and raw data, the data, as reviewed, are usable. No data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8K050138:

Laboratory ID	Field ID
F8K050138-001	4101-0122A-HO
F8K050138-002	4101-0123A-HO
F8K050138-003	4101-0124A-HO
F8K050138-004	4101-0126B-HO
F8K050138-005	4101-0132A-HO
F8K050138-006	4101-0133A-HO
F8K050138-007	4101-0134A-HO
F8K050138-008	4101-0135A-HO
F8K050138-009	4101-0143A-HO
F8K050138-010	4101-0145B-HO
F8K050138-011	4101-0154A-HO
F8K050138-012	4101-0155B-HO
F8K050138-013	4101-0156B-HO
F8K050138-014	4101-0156B-HD
F8K050138-015	4101-0157B-HO
F8K050138-016	4101-0164A-HO
F8K050138-017	4101-0167A-HO
F8K050138-018	4101-0165A-HO
F8K050138-019	4101-0166A-HO
F8K050138-020	4101-0168B-HO
F8K050138-021	4101-0169B-HO
F8K050138-022	4101-0177B-HO

2.11.1 Data Package Completeness

The data package was reviewed for the items listed in Table 27, “Package Completeness Checklist for Lot F8K050138.”

2.11.2 Alpha Spectroscopy

The samples were analyzed for isotopic thorium and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable.

Table 28, “Alpha Spectroscopy Quality Control Review for Lot F8K050138,” presents the results of the review.

2.11.2.1 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. No nonconformances were noted for the isotopic thorium analysis.

2.11.2.2 Isotopic Uranium

The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. No nonconformances were noted for the isotopic uranium analysis.

2.12 Lot F8K120251

The one soil sample in this lot was collected on September 23, 2008. Due to failure of duplicate QC criteria during its original analysis (Lot F8J160124), a re-analysis was requested. The data presented in this lot represents the data from this second analytical run. The sample was analyzed within the 180 day holding time.

Based on the summary forms and raw data, the data, as reviewed, are usable. No data would be rejected.

The laboratory sample ID and client sample ID contained in Lot F8K120251 is F8K120251 (1): 4102-0336A-HO

2.12.1 Data Package Completeness

The data package was reviewed for the items listed in Table 29, "Package Completeness Checklist for Lot F8K120251."

2.12.2 Alpha Spectroscopy

The sample was analyzed for isotopic thorium using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. No nonconformances were noted for the isotopic thorium analysis.

The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 30, "Alpha Spectroscopy Quality Control Review for Lot F8K120251," presents the results of the review.

2.13 Lot F8K260192

Twelve soil samples were collected from PRS 441 on November 21, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and PCB analysis. Sample F8K260192 (10): 4102-0311B-HO was also analyzed for PCBs. The laboratory received the samples intact and at 2°C. There were no irregularities associated with the COC documentation. The isotopic samples were analyzed within the 180 day holding time.

The PCB sample was extracted within the 14-day holding time and analyzed within the 40 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and PCB sample preparation and analyses.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8K260192:

Laboratory ID	Field ID
F8K260192-001	4101-0132B -HO
F8K260192-002	4101-0142B -HO
F8K260192-003	4101-0148B -HO
F8K260192-004	4101-0151B -HO
F8K260192-005	4101-0160B -HO
F8K260192-006	4101-0176B -HO
F8K260192-007	4101-0210B -HO
F8K260192-008	4101-0211B -HO
F8K260192-009	4101-0212B -HO
F8K260192-010	4101-0311B -HO-also analyzed for PCBs
F8K260192-011	4101-0166
F8K260192-012	4101-0167

2.13.1 Data Package Completeness

The data package was reviewed for the items listed in Table 31, "Package Completeness Checklist for Lot F8K260192."

2.13.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 32, "Alpha Spectroscopy Quality Control Review for Lot F8K260192," Data Review Summary presents the results of the review.

2.13.2.1 Isotopic Plutonium

The laboratory reported analytes plutonium-238 and plutonium-239/240. There are no observations or nonconformances.

2.13.2.2 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. In Batch 8343593 the initial preparation of the laboratory control sample recovery for thorium-230 was outside the upper QC limit, indicating a potential positive bias for the analyte. The samples were reprepared and reanalyzed. The re-extracted sample results were acceptable and reported.

2.13.2.3 Isotopic Uranium

The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable. Batch 8336080 data did not include the pulser checks.

2.13.3 Polychlorinated Biphenyls by Gas Chromatography

The sample was analyzed using EPA's SW-846 Analytical Method 8082 and Preparation Method 3550B/366. Analysis parameters included Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260. The whole sample was dried and ground prior to analysis. The results will be "J" qualified due to this anomaly. Due to this anomaly results were reported on a dry weight basis with no moisture correction. The results of the data review are listed in Table 33, "Results of Review of Package Lot F8K260192 for Polychlorinated Biphenyls."

2.14 Lot F8L090228

Twenty soil samples were collected on December 3, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 4°C. There were no irregularities in the associated COC documentation that affected the data. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F8L090228:

Laboratory ID	Field ID
F8L090228-001	4102-0309A-HO
F8L090228-002	4102-0308A-HO
F8L090228-003	4102-0308A-HD
F8L090228-004	4102-0319A-HO
F8L090228-005	4102-0320A-HO
F8L090228-006	4102-0321A-HO
F8L090228-007	4102-0329A-HO
F8L090228-008	4102-0330A-HO
F8L090228-009	4102-0331A-HO
F8L090228-010	4102-0340A-HO
F8L090228-011	4102-0341A-HO
F8L090228-012	4102-0342A-HO
F8L090228-013	4102-0310A-HO
F8L090228-014	4102-0297A-HO
F8L090228-015	4102-0298A-HO
F8L090228-016	4102-0299A-HO

F8L090228-017	4102-0300A-HO
F8L090228-018	4102-0286A-HO
F8L090228-019	4102-0287A-HO
F8L090228-020	4102-0288A-HO

2.14.1 Data Package Completeness

The data package was reviewed for the items listed in Table 34, "Package Completeness Checklist for Lot F8L090228."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using EPA SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 35, "Results of Review of Package Lot F8L090228 for Polychlorinated Biphenyls."

2.14.2 Matrix Spike/Matrix Spike Duplicate

The MS/MSD recoveries for Aroclor 1016 and Aroclor 1260 are outside the established QC limits. The relative percent differences (RPD) are not within method acceptance criteria. Matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable laboratory control sample recoveries.

2.14.3 Quantitation

The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent. This information is presented in Table 36, "Polychlorinated Biphenyl Confirmations – Lot F8L090228

2.15 Lot F8L090224

Fourteen soil samples were collected on December 4, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCB. The laboratory received the samples intact and at 4°C. The surrogate recovery for sample, 4102-0267A-HO, was high. Matrix interference is suspected. The sample was reanalyzed at a dilution. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request). The data also received a Tier III data validation, which is presented in Section 3.0.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8L090224:

Laboratory ID	**Field ID**
F8L090224-001	4102-0253A-HO

F8L090224-002	4102-0254A-HO
F8L090224-003	4102-0255A-HO
F8L090224-004	4102-0256A-HO
F8L090224-005	4102-0264A-HO
F8L090224-006	4102-0265A-HO
F8L090224-007	4102-0266A-HO
F8L090224-008	4102-0267A-HO
F8L090224-009	4102-0275A-HO
F8L090224-010	4102-0276A-HO
F8L090224-011	4102-0277A-HO
F8L090224-012	4102-0278A-HO
F8L090224-013	4102-0289A-HO
F8L090224-014	4102-0289A-HD

2.15.1 Data Package Completeness

The data package was reviewed for the items listed in Table 37, "Package Completeness Checklist for Lot F8L090224."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using EPA SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 38, "Results of Review of Package F8L090224 for Polychlorinated Biphenyls."

2.15.2 Surrogate Recovery

Surrogate recovery for sample 4102-0267A-HO was high. The laboratory attributed the high recovery to matrix interference and took no action. The sample was analyzed at a 1:4 dilution due to high concentrations of target analytes. The reporting limits were adjusted only for those targets reported from the dilution run (Aroclor 1248).

2.15.3 Quantitation

The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent. This information is presented in Table 39, "Polychlorinated Biphenyl Confirmations – Lot F8L090224."

2.16 Lot F8L100282

Three soil samples were collected on December 8, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. The samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. Sample F8L100282 (3): 4102-0277A-HO was also analyzed for tritium. The laboratory received the samples intact and at ambient temperature. There were no irregularities

associated with the COC documentation. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy, gamma spectroscopy, and tritium sample preparation and analyses. This data also received a Tier III data validation, which is presented in Section 3.0.

Based on the summary forms, the data, as reviewed, all uranium-234 results should be considered as estimated due to failure of the laboratory duplicate criteria for uranium-234. All other data were acceptable.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8L100282:

Laboratory ID	Field ID
F8L100282-001	4102-0256A-HO
F8L100282-002	4102-0278A-HO
F8L100282-003	4102-0277A-HO

2.16.1 Data Package Completeness

The data package was reviewed for the items listed in Table 40, "Package Completeness Checklist for Lot F8L100282."

2.16.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable with the exception of the laboratory duplicate criteria for uranium-234. All uranium-234 results should be qualified as J. The remaining results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 41, "Alpha Spectroscopy Quality Control Review for Lot F8L100282," presents the results of the review.

2.16.2.1 Isotopic Plutonium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable unless noted in Table 41. In the initial sample preparation, the tracer in the blank was not recovered. The samples were re-prepared and reanalyzed. The second preparation analysis was rejected due to poor spectral resolution. The samples were re-prepared and reanalyzed again. The final reanalysis results were acceptable and reported.

2.16.2.2 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. No nonconformances were noted for the isotopic thorium analysis.

2.16.2.3 Isotopic Uranium

The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. One nonconformance was noted. The uranium laboratory control samples failed the laboratory duplicate criteria for uranium-234. All uranium-234 results should be qualified as J.

2.16.3 Gamma Spectroscopy

Table 42, "Gamma Spectroscopy Quality Control Review for Lot F8L100282," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210m, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.16.4 Tritium by Liquid Scintillation

Table 43, "Tritium Quality Control Review for Lot F8L100282," presents the results of the review. There were no nonconformances.

2.17 Lot F8L170153

Fourteen soil samples were collected from PRS 441 on December 10 and December 15, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for isotopic thorium and isotopic uranium by alpha spectroscopy. The laboratory received the samples intact and at ambient temperature.

There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy sample preparation and analysis.

A Tier III review was performed. Based on the summary forms and raw data, the data, as reviewed, are usable. No data would be rejected

Below are the laboratory sample IDs and client sample IDs contained in Lot F8KL170153:

Laboratory ID	Field ID
F8L170153-001	11040
F8L170153-002	11041
F8L170153-003	11042
F8L170153-004	11043
F8L170153-005	11044
F8L170153-006	11045
F8L170153-007	11046
F8L170153-008	11047
F8L170153-009	11048
F8L170153-010	11049
F8L170153-011	11050
F8L170153-012	11051
F8L170153-013	11052
F8L170153-014	11053

2.17.1 Data Package Completeness

The data package was reviewed for the items listed in Table 44, "Package Completeness Checklist for Lot F8L170153."

2.17.2 Alpha Spectroscopy

The samples were analyzed for isotopic thorium and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 45, "Alpha Spectroscopy Quality Control Review for Lot F8L170153," presents the results of the review.

2.17.2.1 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The thorium laboratory control sample had a tracer recovery below the 30 percent QC limit. The samples were reprepared and reanalyzed. The re-extracted sample results were acceptable and reported.

2.17.2.2 Isotopic Uranium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable.

2.18 Lot F8L200120

Twelve soil samples were collected from PRS 441 on December 17, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for Alpha Spectroscopy analysis including isotopic plutonium, thorium, and gamma spectroscopy. All twelve samples were analyzed for isotopic plutonium, thorium, and gamma emitters. The laboratory received the samples intact and at ambient temperature. There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses.

A Tier III review was performed. Based on the summary forms and raw data, the data, as reviewed, are usable. No data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8L200120:

Laboratory ID	Field ID
F8L200120-001	4110-0106A-FO
F8L200120-002	4110-0107A-FO
F8L200120-003	4110-0108A-FO
F8L200120-004	4110-0108A-FD
F8L200120-005	4110-0109A-FO
F8L200120-006	4110-0110A-FO
F8L200120-007	4110-0111A-FO
F8L200120-008	4110-0112A-FO
F8L200120-009	4110-0114A-FO
F8L200120-010	4110-0115A-FO
F8L200120-011	4110-0116A-FO
F8L200120-012	4110-0117A-FO

2.18.1 Data Package Completeness

The data package was reviewed for the items listed in Table 46, "Package Completeness Checklist for Lot F8L200120."

2.18.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium and thorium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 47, "Alpha Spectroscopy Quality Control Review for Lot F8L200120," presents the results of the review.

2.18.2.1 Isotopic Plutonium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable.

2.18.2.2 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The associated QA/QC data were acceptable.

2.18.3 Gamma Spectroscopy

Table 48, "Gamma Spectroscopy Quality Control Review for Lot F8L200120," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210m, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Note: Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.19 Lot F9A080125

Two soil samples were collected from PRS 441 on January 6, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for isotopic thorium and isotopic uranium by alpha spectroscopy. The laboratory received the samples intact and at ambient temperature.

There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy sample preparation and analysis.

A Tier III review was performed. Based on the summary forms and raw data, the data, as reviewed, are usable. No data would be rejected

Below are the laboratory sample IDs and client sample IDs contained in Lot F9A080125:

Laboratory ID	Field ID
F9A080125 (1)	11040A

F9A080125 (2)	11040B

2.19.1 Data Package Completeness

The data package was reviewed for the items listed in Table 49, "Package Completeness Checklist for Lot F9A080125."

2.19.2 Alpha Spectroscopy

The samples were analyzed for isotopic thorium and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable.

Table 50, "Alpha Spectroscopy Quality Control Review for Lot F9A080125," presents the results of the review.

2.19.2.1 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The associated QA/QC data were acceptable.

2.19.2.2 Isotopic Uranium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable.

2.20 Lot F9C030126

Eleven soil samples were collected from PRS 441 on February 17 through February 24, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. All of the soil samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. The laboratory received the samples intact and at ambient temperature. There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses.

A Tier III review was performed. Based on the summary forms, the data, as reviewed, are usable, no data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F9C030126:

Laboratory ID	**Field ID**
F9C030126-001	4105-0366A-HO

F9C030126-002	4105-0372A-HO
F9C030126-003	4105-0388A-HO
F9C030126-004	4105-0390A-HO
F9C030126-005	4105-0404A-HO
F9C030126-006	4105-0418A-HO
F9C030126-007	4105-0431A-HO
F9C030126-008	4105-0448A-HO
F9C030126-009	4105-0452A-HO
F9C030126-010	4105-0454A-HO
F9C030126-011	4105-0466A-HO

2.20.1 Data Package Completeness

The data package was reviewed for the items listed in Table 51, "Package Completeness Checklist for Lot F9C030126."

2.20.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 52, "Alpha Spectroscopy Quality Control Review for Lot F9C030126," presents the results of the review.

2.20.2.1 Isotopic Plutonium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable.

2.20.2.2 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The associated QA/QC data were acceptable.

2.20.2.3 Isotopic Uranium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable.

2.20.3 Gamma Spectroscopy

Table 53, "Gamma Spectroscopy Quality Control Review for Lot F9C030126," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210M, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229,

uranium-235, and uranium-238. The reporting limit for protactinium-231 was not met due to the activity of the other isotopes present in samples F9C030126 (7):4105-0431A-HO, F9C030126 (8):4105-0448A-HO, F9C030126 (10):4105-0454A-HO, and F9C030126 (11):4105-0466A-HO above the minimum detectable activity (MDA). No action taken.

In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.21 Lot F9D100242

Twenty soil samples were collected on April 7 through 8, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCB. The laboratory received the samples intact and at 4°C. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F9D100242:

Laboratory ID	Field ID
F9D100242-001	4103-0571A-HO
F9D100242-002	4103-0572A-HO
F9D100242-003	4103-0573A-HO
F9D100242-004	4103-0574A-HO
F9D100242-005	4103-0574A-HD
F9D100242-006	4103-0575A-HO
F9D100242-007	4103-0576A-HO
F9D100242-008	4103-0577A-HO
F9D100242-009	4103-0578A-HO
F9D100242-010	4103-0579A-HO
F9D100242-011	4103-0580A-HO
F9D100242-012	4103-0581A-HO
F9D100242-013	4103-0582A-HO
F9D100242-014	4103-0583A-HO
F9D100242-015	4103-0584A-HO
F9D100242-016	4103-0585A-HO
F9D100242-017	4103-0586A-HO
F9D100242-018	4103-0587A-HO
F9D100242-019	4103-0588A-HO

F9D100242-020	4103-0570A-HO

2.21.1 Data Package Completeness

The data package was reviewed for the items listed in Table 54, "Package Completeness Checklist for Lot F9D100242."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using EPA SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 55, "Results of Review of Package F9D100242 for Polychlorinated Biphenyls."

2.21.2 Matrix Spike/Matrix Spike Duplicate

Sample 4103-0574A-HO was used for the MS/MSD. Aroclor 1016 and Aroclor 1260 were spiked into sample aliquots. The recoveries were within the control limits and the precision was acceptable. No further action was taken

2.21.3 Quantitation

The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent. The results for samples F9D100242(7):4103-0576A-HO and F9D100242(8):4103-0577A-HO are considered estimated since they are below the reporting limit. This information is presented in Table 56, "Polychlorinated Biphenyl Confirmations – Lot F9D100242."

2.22 Lot F9D100246

Twenty soil samples were collected on April 8, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 4°C. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F9D100246:

Laboratory ID	Field ID
F9D100246-001	4103-0544A-HO
F9D100246-002	4103-0545A-HO
F9D100246-003	4103-0546A-HO
F9D100246-004	4103-0548A-HO
F9D100246-005	4103-0549A-HO
F9D100246-006	4103-0550A-HO
F9D100246-007	4103-0555A-HO
F9D100246-008	4103-0552A-HO

F9D100246-009	4103-0553A-HO
F9D100246-010	4103-0554A-HO
F9D100246-011	4103-0555A-HD
F9D100246-012	4103-0556A-HO
F9D100246-013	4103-0557A-HO
F9D100246-014	4103-0558A-HO
F9D100246-015	4103-0560A-HO
F9D100246-016	4103-0561A-HO
F9D100246-017	4103-0562A-HO
F9D100246-018	4103-0563A-HO
F9D100246-019	4103-0566A-HO
F9D100246-020	4103-0568A-HO

2.22.1 Data Package Completeness

The data package was reviewed for the items listed in Table 57, "Package Completeness Checklist for Lot F9D100246."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using EPA SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 58, "Results of Review of Package F9D100246 for Polychlorinated Biphenyls."

2.22.2 Surrogate Recovery

The surrogate recovery for sample 4103-0557A-HO is outside the upper QC limit, indicating a potential positive bias. There were no target analytes observed above the reporting limit in the sample. No action was taken.

2.22.3 Matrix Spike/Matrix Spike Duplicate

Sample 4103-0554A-HO was used for the MS/MSD. Aroclor 1016 and Aroclor 1260 were spiked into sample aliquots. The recoveries were within the control limits and the precision was acceptable. No further action was taken.

2.22.4 Quantitation

The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent. The results for samples F9D100246(15):4103-0560A-HO and F9D100246(19):4103-0566A-HO are considered estimates since they are less than the reporting limit. This information is presented in Table 59, "Polychlorinated Biphenyl Confirmations – Lot F9D100246."

2.23 Lot F9D100252

Twenty soil samples were collected on April 8, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 4°C. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F9D100252:

Laboratory ID	Field ID
F9D100252-001	4103-0524A-HO
F9D100252-002	4103-0525A-HO
F9D100252-003	4103-0526A-HO
F9D100252-004	4103-0527A-HO
F9D100252-005	4103-0528A-HO
F9D100252-006	4103-0529A-HO
F9D100252-007	4103-0530A-HO
F9D100252-008	4103-0531A-HO
F9D100252-009	4103-0532A--HO
F9D100252-010	4103-0533A-HO
F9D100252-011	4103-0534A-HO
F9D100252-012	4103-0535A-HO
F9D100252-013	4103-0536A-HO
F9D100252-014	4103-0536D-HO
F9D100252-015	4103-0537A-HO
F9D100252-016	4103-0538A-HO
F9D100252-017	4103-0539A-HO
F9D100252-018	4103-0540A-HO
F9D100252-019	4103-0541A-HO
F9D100252-020	4103-0542A-HO

2.23.1 Data Package Completeness

The data package was reviewed for the items listed in Table 60, "Package Completeness Checklist for Lot F9D100252."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using EPA SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 61, "Results of Review of Package F9D100252 for Polychlorinated Biphenyls."

2.23.2 Matrix Spike/Matrix Spike Duplicate

Sample 4103-0536A-HO was used for the MS/MSD. Aroclor 1016 and Aroclor 1260 were spiked into sample aliquots. The recoveries were within the control limits and the precision was acceptable. No further action was taken.

2.23.3 Quantitation

The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent with the exception of sample F9D100252-018. The percent difference between the primary and secondary column result for Aroclor 1254 is greater than 40 percent. The EPA SW-846 Method 8000C prescribes reporting the lower of the two column results in the absence of chromatographic anomalies observed on the column yielding the lower result. The Aroclor 1254 result was considered estimated because the result was less than the reporting limit. Samples F9D100252(3):4103-0526A-HO, F9D100252(10):4103-0533A-HO, F9D100252(19):4103-0541A-HO and F9D100252(20):4103-0542A-HO all have results lower than the reporting limit and are considered estimated. This information is presented in Table 62, "Polychlorinated Biphenyl Confirmations – Lot F9D100252."

2.24 Lot F9D100259

Twenty soil samples were collected on April 8 and 9, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 4°C. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F9D100259:

Laboratory ID	Field ID
F9D100259-001	4103-0569A-HO
F9D100259-002	4103-0501A-HO
F9D100259-003	4103-0502A-HO
F9D100259-004	4103-0503A-HO
F9D100259-005	4103-0504A-HO
F9D100259-006	4103-0505A-HO
F9D100259-007	4103-0506A-HO
F9D100259-008	4103-0507A-HO
F9D100259-009	4103-0508A-HO
F9D100259-010	4103-0509A-HO
F9D100259-011	4103-0510A-HO
F9D100259-012	4103-0511A-HO

F9D100259-013	4103-0512A-HO
F9D100259-014	4103-0513A-HO
F9D100259-015	4103-0514A-HO
F9D100259-016	4103-0515A-HO
F9D100259-017	4103-0516A-HO
F9D100259-018	4103-0517A-HO
F9D100259-019	4103-0517A-HD
F9D100259-020	4103-0518A-HO

2.24.1 Data Package Completeness

The data package was reviewed for the items listed in Table 63, "Package Completeness Checklist for Lot F9D100259."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 64, "Results of Review of Package F9D100259 for Polychlorinated Biphenyls."

2.24.2 Matrix Spike/Matrix Spike Duplicate

Sample 4103-0517A-HO was used for the MS/MSD. Aroclor 1016 and Aroclor 1260 were spiked into sample aliquots. The recoveries were within the control limits and the precision was acceptable. No further action was taken.

2.24.3 Quantitation

The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent with the exception of Sample F9D100259-008. The percent difference between the primary and secondary column result for Aroclor 1254 is greater than 40 percent. The EPA SW-846 Method 8000C prescribes reporting the lower of the two column results in the absence of chromatographic anomalies observed on the column yielding the lower result. The Aroclor 1254 result should be considered an estimate of the concentration. Samples 4103-0506A-HO and 4103-0509A-HO have results lower than the reporting limit and should be considered estimates. This information is presented in Table 65, "Polychlorinated Biphenyl Confirmations – Lot F9D100259."

2.25 Lot F9D100239

Thirteen soil samples were collected from PRS 441 on March 24 through April 8, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. All of the soil samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. The laboratory received the samples intact

and at 4°C. There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses.

A Tier III review was performed. Based on the summary forms, the data, as reviewed, are usable, no data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F9D100239:

Laboratory ID	Field ID
F9D100239-001	4104-0615A-HO
F9D100239-002	4104-0639A-HO
F9D100239-003	4104-0639A-HD
F9D100239-004	4104-0651A-HO
F9D100239-005	4104-0652A-HO
F9D100239-006	4104-0657A-HO
F9D100239-007	4104-0661A-HO
F9D100239-008	4104-0668A-HO
F9D100239-009	4104-0669A-HO
F9D100239-010	4104-0697A-HO
F9D100239-011	4104-0700A-HO
F9D100239-012	4104-0634A-HO
F9D100239-013	4104-0692A-HO

2.25.1 Data Package Completeness

The data package was reviewed for the items listed in Table 66, "Package Completeness Checklist for Lot F9D100239."

2.25.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 67, "Alpha Spectroscopy Quality Control Review for Lot F9D100239," presents the results of the review.

2.25.2.1 Isotopic Plutonium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable with the

exception of the following samples. The reporting limit for plutonium was not met due to the activity in the sample which is above the MDA. This affected the following samples:

- F9D100239 (1): 4104-0615A-HO
- F9D100239 (5): 4104-0652A-HO
- F9D100239 (7): 4104-0661A-HO
- F9D100239 (12): 4104-0634A-HO

No action was taken.

2.25.2.2 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The associated QA/QC data were acceptable.

2.25.2.3 Isotopic Uranium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable.

2.25.3 Gamma Spectroscopy

Table 68, "Gamma Spectroscopy Quality Control Review for Lot F9D100239," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210M, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.26 Lot F9D140251

Twenty soil samples were collected on April 9, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 5°C. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F9D140251:

Laboratory ID	Field ID
F9D140251-001	4103-0497A-HO
F9D140251-002	4103-0498A-HO
F9D140251-003	4103-0498A-HD
F9D140251-004	4103-0499A-HO
F9D140251-005	4103-0500A-HO
F9D140251-006	4103-0519A-HO
F9D140251-007	4103-0520A-HO
F9D140251-008	4103-0521A-HO
F9D140251-009	4103-0522A-HO
F9D140251-010	4103-0523A-HO
F9D140251-011	4103-0486A-HO
F9D140251-012	4103-0487A-HO
F9D140251-013	4103-0488A-HO
F9D140251-014	4103-0489A-HO
F9D140251-015	4103-0490A-HO
F9D140251-016	4103-0491A-HO
F9D140251-017	4103-0492A-HO
F9D140251-018	4103-0493A-HO
F9D140251-019	4103-0495A-HO
F9D140251-020	4103-0496A-HO

2.26.1 Data Package Completeness

The data package was reviewed for the items listed in Table 69, "Package Completeness Checklist for Lot F9D140251."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 70, "Results of Review of Package F9D140251 for Polychlorinated Biphenyls."

2.26.2 Matrix Spike/Matrix Spike Duplicate

Sample 4103-0498A-HO was used for the MS/MSD. Aroclor 1016 and Aroclor 1260 were spiked into sample aliquots. The recoveries were within the control limits and the precision was acceptable. No further action was taken.

2.26.3 Quantitation

The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent with the exception of Sample F9D140251-006. The percent difference between the primary and secondary column result for Aroclor 1254 is greater than 40 percent. The EPA SW-846

Method 8000C prescribes reporting the lower of the two column results in the absence of chromatographic anomalies observed on the column yielding the lower result. The Aroclor 1254 result should be considered as an estimate. Sample F9D140251(7):4103-0520A-HO result is lower than the reporting limit and is considered estimated. This information is presented in Table 71, "Polychlorinated Biphenyl Confirmations – Lot F9D140251."

2.27 Lot F9D210217

Seven soil samples were collected on April 14, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 2°C. The samples were analyzed within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F9D210217:

Laboratory ID	Field ID
F9D210217-001	4103-0480A-HO
F9D210217-002	4103-0481A-HO
F9D210217-003	4103-0481A-HD
F9D210217-004	4103-0482A-HO
F9D210217-005	4103-0483A-HO
F9D210217-006	4103-0484A-HO
F9D210217-007	4103-0485A-HO

2.27.1 Data Package Completeness

The data package was reviewed for the items listed in Table 72, "Package Completeness Checklist for Lot F9D210217."

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 73, "Results of Review of Package F9D210217 for Polychlorinated Biphenyls."

2.27.2 Matrix Spike/Matrix Spike Duplicate

Sample 4103-0481A-HO was used for the MS/MSD. Aroclor 1016 and Aroclor 1260 were spiked into sample aliquots. The MS recovery for Aroclor 1016 is outside the established QC limit. The RPD is within method acceptance criteria. No further action was taken. The precision was acceptable.

2.27.3 Surrogate Recovery

Samples 4103-0484A-HO and 4103-0485A-HO were analyzed at a dilution due to high concentrations of target analytes. The surrogates were diluted out.

2.27.4 Quantitation

The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent with the exception of sample F9D140251-006. The percent difference between the primary and secondary column result for Aroclor 1254 is greater than 40 percent. The EPA SW-846 Method 8000C prescribes reporting the lower of the two column results in the absence of chromatographic anomalies observed on the column yielding the lower result. The Aroclor 1254 result should be qualified as J. This information is presented in Table 74, "Polychlorinated Biphenyl Confirmations – Lot F9D210217."

2.28 Lot F9D280194

Twenty-four soil samples were collected on April 20 through 23, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 4°C. The samples were analyzed in two batches (9120336, 20 samples and 9120337, four samples) within the specified holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Below are the laboratory sample IDs and client sample IDs contained in Lot F9D280194:

Laboratory ID	Field ID
F9D280194-001	4102-0335A-HO
F9D280194-002	4102-0336A-HO
F9D280194-003	4102-0337A-HO
F9D280194-004	4102-0338A-HO
F9D280194-005	4102-0339A-HO
F9D280194-006	4102-0340A-HO
F9D280194-007	4102-0340A-HD
F9D280194-008	4102-0341A-HO
F9D280194-009	4102-0342A-HO
F9D280194-010	4102-0343A-HO
F9D280194-011	4102-0344A-HO
F9D280194-012	4102-0345A-HO
F9D280194-013	4102-0346A-HO
F9D280194-014	4102-0347A-HO
F9D280194-015	4102-0348A-HO
F9D280194-016	4102-0349A-HO

F9D280194-017	4103-0543A-HO
F9D280194-018	4103-0547A-HO
F9D280194-019	4103-0551A-HO
F9D280194-020	4103-0559A-HO
F9D280194-021	4103-0564A-HO
F9D280194-022	4103-0565A-HO
F9D280194-023	4103-0567A-HO
F9D280194-024	4103-0579A-HO

2.28.1 Data Package Completeness

The data package was reviewed for the items listed in Table 75, "Package Completeness Checklist for Lot F9D280194 (Batch 9120336)" and Table 76, "Package Completeness Checklist for Lot F9D280194 (Batch 9120337)"

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using SW-846 Method 8082. The QA/QC anomalies are discussed in the following subsections. The results of the data review are listed in Table 77, "Results of Review of Package F9D280194 for Polychlorinated Biphenyls (Batch 9120336)" and Table 78, "Results of Review of Package F9D280194 for Polychlorinated Biphenyls (Batch 9120337)."

2.28.2 Matrix Spike/Matrix Spike Duplicate

Sample 4102-0340A-HO was used for the MS/MSD. Aroclor 1016 and Aroclor 1260 were spiked into sample aliquots. The recoveries were within the control limits and the precision was acceptable. No further action was required.

2.28.3 Quantitation

The laboratory confirmed the detects using a second column; the results were reported from the primary column. The difference between column results was less than 40 percent. Samples 4102-0338A-HO, 4102-0345A-HO, 4102-0347A-HO, and 4103-0564A-HO have results lower than the reporting limit and are considered estimated. This information is presented in Table 79, "Polychlorinated Biphenyl Confirmations – Lot F9D280194 (Batch 9120336)" and Table 80, "Polychlorinated Biphenyl Confirmations – Lot F9D280194 (Batch 9120337)."

2.29 Lot F9D280217

Twenty-four soil samples were collected from PRS 441 on April 22, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. All of the soil samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. The laboratory received the samples intact and at ambient temperature. There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses.

A Tier III review was performed. Based on the summary forms, the data, as reviewed, are usable, no data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F9D100239:

Laboratory ID	Field ID
F9D280217-001	4105-0854A-FO
F9D280217-002	4105-0855A-FO
F9D280217-003	4105-0856A-FO
F9D280217-004	4105-0857A-FO
F9D280217-005	4105-0858A-FO
F9D280217-006	4105-0859A-FO
F9D280217-007	4105-0860A-FO
F9D280217-008	4105-0861A-FO
F9D280217-009	4105-0862A-FO
F9D280217-010	4105-0863A-FO
F9D280217-011	4105-0864A-FO
F9D280217-012	4105-0864A-FD
F9D280217-013	4105-0865A-FO
F9D280217-014	4105-0866A-FO
F9D280217-015	4105-0866A-FO
F9D280217-016	4104-0715A-FO
F9D280217-017	4104-0716A-FO
F9D280217-018	4104-0717A-FO
F9D280217-019	4104-0718A-FO
F9D280217-020	4104-0719A-FO
F9D280217-021	4104-0720A-FO
F9D280217-022	4104-0722A-FO
F9D280217-023	4104-0723A-FO
F9D280217-024	4104-0724A-FO

2.29.1 Data Package Completeness

The data package was reviewed for the items listed in Table 81, "Package Completeness Checklist for Lot F9D280217."

2.29.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 82,

"Alpha Spectroscopy Quality Control Review for Lot F9D280217," presents the results of the review.

2.29.2.1 Isotopic Plutonium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable with the exception of the following samples. The reporting limit for plutonium was not met due to the activity in the sample which is above the MDA. This affected the following samples:

F9D280217 (1): 4105-0854A-FO
F9D280217 (2): 4105-0855A-FO
F9D280217 (3): 4105-0856A-FO
F9D280217 (4): 4105-0857A-FO
F9D280217 (5): 4105-0858A-FO
F9D280217 (6): 4105-0859A-FO
F9D280217 (7): 4105-0860A-FO
F9D280217 (8): 4105-0861A-FO
F9D280217 (9): 4105-0862A-FO
F9D280217 (10): 4105-0863A-FO
F9D280217 (11): 4105-0864A-FO
F9D280217 (12): 4105-0864A-FD
F9D280217 (13): 4105-0865A-FO
F9D280217 (14): 4105-0866A-FO
F9D280217 (15): 4104-0714A-FO
F9D280217 (16): 4104-0715A-FO
F9D280217 (17): 4104-0716A-FO
F9D280217 (20): 4104-0719A-FO

No action was taken.

2.29.2.2 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The associated QA/QC data were acceptable for samples associated with Batch 9120427. The RPD for thorium-230 is not within the 40 percent method acceptance criteria for Batch 9120536. The thorium-230 results should be considered estimated for the following samples:

- F9D280217 (21): 4104-0720A-FO
- F9D280217 (22): 4104-0722A-FO
- F9D280217 (23): 4104-0723A-FO
- F9D280217 (24): 4104-0724A-FO

2.29.2.3 Isotopic Uranium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable.

2.29.3 Gamma Spectroscopy

Table 83, "Gamma Spectroscopy Quality Control Review for Lot F9D280217," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210m, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.30 Lot F9E120160

Seventeen soil samples were collected from PRS 441 on April 7 through May 4, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. All of the soil samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. The laboratory received the samples intact and at ambient temperature. There were no irregularities associated with the COC documentation.

The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses.

A Tier III review was performed. Based on the summary forms, the data, as reviewed, are usable, no data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F9E120160:

Laboratory ID	Field ID
F9E120160-001	4103-0487A-HO
F9E120160-002	4103-0512A-HO
F9E120160-003	4103-0532A-HO
F9E120160-004	4103-0549A-HO
F9E120160-005	4103-0551A-HO
F9E120160-006	4103-0554A-HO
F9E120160-007	4103-0565A-HO
F9E120160-008	4103-0566A-HO
F9E120160-009	4103-0574A-HO
F9E120160-010	4103-0574A-HD
F9E120160-011	4103-0575A-HO

F9E120160-012	4103-0583A-HO
F9E120160-013	4104-0721A-FO
F9E120160-014	4104-0721A-FO
F9E120160-015	4104-0726A-FO
F9E120160-016	4104-0726A-FD
F9E120160-017	4104-0999A-FO

2.30.1 Data Package Completeness

The data package was reviewed for the items listed in Table 84, "Package Completeness Checklist for Lot F9E120160."

2.30.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 85, "Alpha Spectroscopy Quality Control Review for Lot F9E120160," presents the results of the review.

2.30.2.1 Isotopic Plutonium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable with the exception of the following samples. The reporting limit for plutonium was not met due to the activity in the sample which is above the MDA. This affected the following samples:

F9E120160 (3): 4103-0532A-HO	F9E120160 (9): 4103-0574A-HO
F9E120160 (4): 4103-0549A-HO	F9E120160 (10): 4103-0574A-HD
F9E120160 (5): 4103-0551A-HO	F9E120160 (11): 4103-0575A-HO
F9E120160 (6): 4103-0554A-HO	F9E120160 (13): 4104-0721A-FO
F9E120160 (7): 4103-0565A-HO	F9E120160 (15): 4104-0726A-FO
F9E120160 (8): 4103-0566A-HO	F9E120160 (16): 4104-0726A-FD

No action was taken.

2.30.2.2 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. In the initial preparation several of the thorium samples including the sample/sample duplicate and method blank had tracer recoveries below the 30 percent QC limit. The entire batch was reprepared and reanalyzed. The re-extracted sample results had acceptable recoveries with the exception of sample F9E120160 (8): 4103-0566A-HO which had a tracer recovery of 27 percent. The original sample had a tracer recovery of 19 percent indicating matrix interference in the sample. No further action was taken by the laboratory. Thorium results for this sample should be considered estimated.

2.30.2.3 Isotopic Uranium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable.

2.30.3 Gamma Spectroscopy

Table 86, "Gamma Spectroscopy Quality Control Review for Lot F9E120160," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210m, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.31 Lot F9E150141

Thirty-seven soil samples were collected from PRS 441 on May 12 through May 13, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. All of the soil samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. The laboratory received the samples intact and at ambient temperature. There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses. The data also received a Tier III data validation. This review is presented in Section 3.0.

Based on the summary forms, the data, as reviewed, are usable, no data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F9D280217:

Laboratory ID	Field ID
F9D280217-001	4102-0359A-FO
F9D280217-002	4102-0360A-FO
F9D280217-003	4102-0361A-FO
F9D280217-004	4102-0361A-FD

F9D280217-005	4102-0350A-FO
F9D280217-006	4102-0351A-FO
F9D280217-007	4102-0352A-FO
F9D280217-008	4102-0353A-FO
F9D280217-009	4102-0354A-FO
F9D280217-010	4102-0355A-FO
F9D280217-011	4102-0356A-FO
F9D280217-012	4102-0357A-FO
F9D280217-013	4102-0358A-FO
F9D280217-014	4103-0589A-FO
F9D280217-015	4103-0590A-FO
F9D280217-016	4103-0591A-FO
F9D280217-017	4103-0592A-FO
F9D280217-018	4103-0593A-FO
F9D280217-019	4103-0594A-FO
F9D280217-020	4103-0595A-FO
F9D280217-021	4103-0596A-FO
F9D280217-022	4103-0597A-FO
F9D280217-023	4103-0598A-FO
F9D280217-024	4103-0599A-FO
F9D280217-025	4103-0600A-FO
F9D280217-026	4103-0601A-FO
F9D280217-027	4108-0731A-HO
F9D280217-028	4108-0742A-HO
F9D280217-029	4108-0752A-HO
F9D280217-030	4108-0757A-HO
F9D280217-031	4108-0763A-HO
F9D280217-032	4108-0772A-HO
F9D280217-033	4108-0793A-HO
F9D280217-034	4108-0797A-HO
F9D280217-035	4108-0803A-HO
F9D280217-036	4108-0819A-HO
F9D280217-037	4108-0820A-HO

2.31.1 Data Package Completeness

The data package was reviewed for the items listed in Table 87, “Package Completeness Checklist for Lot F9E150141.”

2.31.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 88, “Alpha Spectroscopy Quality Control Review for Lot F9E150141,” presents the results of the review.

2.31.2.1 Isotopic Plutonium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable with the exception of the following samples. The reporting limit for plutonium was not met due to the activity in the sample which is above the MDA. This affected the following samples:

F9E150141 (2): 4102-0360A-FO
F9E150141 (3): 4102-0361A-FO
F9E150141 (4): 4102-0361A-FD
F9E150141 (5): 4102-0350A-FO
F9E150141 (6): 4102-0351A-FO
F9E150141 (7): 4102-0352A-FO
F9E150141 (8): 4102-0353A-FO
F9E150141 (9): 4102-0354A-FO
F9E150141 (10): 4102-0355A-FO
F9E150141 (11): 4102-0356A-FO
F9E150141 (12): 4102-0357A-FO
F9E150141 (13): 4102-0358A-FO
F9E150141 (14): 4103-0589A-FO
F9E150141 (15): 4103-0590A-FO
F9E150141 (16): 4103-0591A-FO
F9E150141 (19): 4103-0594A-FO
F9E150141 (20): 4103-0595A-FO
F9E150141 (21): 4103-0596A-FO
F9E150141 (22): 4103-0597A-FO
F9E150141 (24): 4103-0599A-FO
F9E150141 (25): 4103-0600A-FO
F9E150141 (26): 4103-0601A-FO
F9E150141 (30): 4108-0757A-HO
F9E150141 (17): 4103-0592A-FO

No action was taken.

Samples F9E150141 (17): 4103-0592A-FO and F9E150141 (31): 4108-0763A-HO have tracer recoveries below the 30 percent QC limit. Samples were re-extracted with acceptable results. No action was required.

2.31.2.2 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The following samples have tracer recoveries below the 30 percent QC limit:

F9E150141 (2): 4102-0360A-FO
F9E150141 (16): 4103-0591A-FO
F9E150141 (18): 4103-0593A-FO
F9E150141 (19): 4103-0594A-FO
F9E150141 (20): 4103-0595A-FO
F9E150141 (23): 4103-0598A-FO
F9E150141 (33): 4108-0793A-HO
F9E150141 (34): 4108-0797A-HO
F9E150141 (35): 4108-0803A-HO
F9E150141 (36): 4108-0819A-HO
F9E150141 (37): 4108-0820A-HO

These samples were re-extracted with acceptable results.

The sample duplicate F9E150140 (21): 4103-0596A-FO Dup had a tracer recovery below the 30 percent QC limit. The sample/sample duplicate RPDs were within QC limits. No action was taken and the results were reported.

2.31.2.3 Isotopic Uranium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable.

2.31.3 Gamma Spectroscopy

Table 89, "Gamma Spectroscopy Quality Control Review for Lot F9E150141," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210m, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.32 Lot F9F050209

Six soil samples were collected from PRS 441 on May 28 through June 2, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. All of the soil samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. The laboratory received the samples intact and at ambient temperature. There were no irregularities associated with the COC documentation.

The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses.

A Tier III review was performed. Based on the summary forms, the data, as reviewed, are usable, no data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F9F050209:

Laboratory ID	Field ID
F9F050209-001	4101-0144B-HO
F9F050209-002	4101-0148C-HO
F9F050209-003	4101-0187C-HO

F9F050209-004	4101-0210C-HO
F9F050209-005	4101-0219B-HO
F9F050209-006	4101-0221B-HO

2.32.1 Data Package Completeness

The data package was reviewed for the items listed in Table 90, "Package Completeness Checklist for Lot F9F050209."

2.32.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 91, "Alpha Spectroscopy Quality Control Review for Lot F9F050209," presents the results of the review.

2.32.2.1 Isotopic Plutonium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable with the following exceptions: The sample spectra had poor resolution possibly due to matrix interference. Samples were re-extracted with a reduced aliquot with acceptable results. The reporting limit for plutonium was not met due to the activity in the sample which is above the MDA.

2.32.2.2 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The samples in this lot had tracer recoveries below the 30 percent QC limit. These samples were re-extracted with acceptable results.

2.32.2.3 Isotopic Uranium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable. The samples in this lot had tracer recoveries below the 30 percent QC limit. These samples were re-extracted with acceptable results.

2.32.3 Gamma Spectroscopy

Table 92, "Gamma Spectroscopy Quality Control Review for Lot F9F050209," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory

reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210m, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.33 Lot F9F180234

Fifteen soil samples were collected from PRS 441 on May 28 and June 16, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. All of the soil samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. The laboratory received the samples intact and at ambient temperature. There were no irregularities associated with the COC documentation.

The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses.

A Tier III review was performed. Based on the summary forms, the data, as reviewed, are usable, no data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F9F180234:

Laboratory ID	Field ID
F9F180234-001	4108-0830A-FO
F9F180234-002	4108-0831A-FO
F9F180234-003	4108-0832A-FO
F9F180234-004	4108-0833A-FO
F9F180234-005	4108-0834A-FO
F9F180234-006	4108-0835A-FO
F9F180234-007	4108-0836A-FO
F9F180234-008	4108-0837A-FO
F9F180234-009	4108-0838A-FO
F9F180234-010	4108-0839A-FO
F9F180234-011	4108-0840A-FO
F9F180234-012	4108-0841A-FO
F9F180234-013	4108-0842A-FO
F9F180234-014	4108-0843A-FO
F9F180234-015	4101-0203C-HO

2.33.1 Data Package Completeness

The data package was reviewed for the items listed in Table 93, "Package Completeness Checklist for Lot F9F180234."

2.33.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 94, "Alpha Spectroscopy Quality Control Review for Lot F9F180234," presents the results of the review.

2.33.2.1 Isotopic Plutonium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes plutonium-238 and plutonium-239/240. The initial preparation of sample F9F180234-005 had a tracer recovery below the 30 percent QC limit. The sample duplicate for this batch had a tracer recovery above the 110 percent QC limit. Because the sample was part of the batch QC, the entire batch was reprepared and reanalyzed. The re-extracted sample results were acceptable and reported.

2.33.2.2 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The associated QA/QC data were acceptable. The thorium sample spectra for samples F9F180234(4): 4108-0833A-FO, F9F180234(5): 4108-0834A-FO, and F9F180234(6): 4108-0835A-FO had poor resolution. The samples were reprepared and reanalyzed in Batch 9174299. The re-extracted sample results were acceptable and reported.

2.33.2.3 Isotopic Uranium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The associated QA/QC data were acceptable.

2.33.3 Gamma Spectroscopy

Table 95, "Gamma Spectroscopy Quality Control Review for Lot F9F180234," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210m, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229,

uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

2.34 Lot F9F190171

Twenty-eight soil samples were collected from PRS 441 on June 16 and June 17, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. All of the soil samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. The laboratory received the samples intact and at ambient temperature. There were no irregularities associated with the COC documentation.

The samples were analyzed within the 180 day holding time.

The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request) for alpha spectroscopy and gamma spectroscopy sample preparation and analyses.

A Tier III review was performed. Based on the summary forms, the data, as reviewed, are usable, no data would be rejected.

Below are the laboratory sample IDs and client sample IDs contained in Lot F9F190171:

Laboratory ID	Field ID
F9F190171-001	4101-0226A-FO
F9F190171-002	4101-0227A-FO
F9F190171-003	4101-0228A-FO
F9F190171-004	4101-0229A-FO
F9F190171-005	4101-0230A-FO
F9F190171-006	4101-0231A-FO
F9F190171-007	4101-0232A-FO
F9F190171-008	4101-0233A-FO
F9F190171-009	4101-0234A-FO
F9F190171-010	4101-0235A-FO
F9F190171-011	4101-0236A-FO
F9F190171-012	4101-0237A-FO
F9F190171-013	4101-0238A-FO
F9F190171-014	4101-0187D-HO
F9F190171-015	4109-0850A-HO
F9F190171-016	4109-0851A-HO

F9F190171-017	4109-0862A-HO
F9F190171-018	4109-0875A-FO
F9F190171-019	4109-0876A-FO
F9F190171-020	4109-0877A-FO
F9F190171-021	4109-0878A-FO
F9F190171-022	4109-0879A-FO
F9F190171-023	4109-0880A-FO
F9F190171-024	4109-0882A-FO
F9F190171-025	4109-0883A-FO
F9F190171-026	4109-0884A-FO
F9F190171-027	4109-0885A-FO
F9F190171-028	4109-0886A-FO

2.34.1 Data Package Completeness

The data package was reviewed for the items listed in Table 96, "Package Completeness Checklist for Lot F9F190171."

2.34.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable. Table 97, "Alpha Spectroscopy Quality Control Review for Lot F9F190171," presents the results of the review.

2.34.2.1 Isotopic Plutonium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes plutonium-238 and plutonium-239/240. The associated QA/QC data were acceptable.

2.34.2.2 Isotopic Thorium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The associated QA/QC data were acceptable.

2.34.2.3 Isotopic Uranium

The samples were analyzed using Method EML A-01-R MOD. The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. In the initial preparation the uranium sample duplicate had a tracer recovery below the 30 percent QC limit. Since the QC was affected by this anomaly, the entire batch was reprepared and reanalyzed with acceptable results.

2.34.3 Gamma Spectroscopy

Table 98, "Gamma Spectroscopy Quality Control Review for Lot F9F190171," presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210m, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results should be considered estimates and may be biased low.

3.0 Tier III Data Validation

Four lots were selected for Tier III data validation. These lots comprise of 17 percent of the lots for this project and represent 8.6 percent of the isotopic plutonium data; 9.2 percent of the isotopic thorium data; 15 percent of the isotopic uranium data; and 56 percent of the gamma spectroscopy data. The data were reviewed in accordance with the Methods Compendium (DOE, 2002) and TestAmerica's laboratory SOPs (available upon request).

Data qualifiers were assigned based on the findings of these validations.

3.1 Lot F9E150141

Thirty-seven soil samples were collected from Potential Release Site 441 (PRS 441) on May 12 through May 13, 2009. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. All of the soil samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. The laboratory received the samples intact and at ambient temperature. There were no irregularities associated with the COC documentation.

The laboratory received the samples intact and at 3°C. The associated COC documentation did not show sample relinquishment from TestAmerica - Dayton to FedEx and FedEx to TestAmerica - St. Louis. The samples were analyzed within the 180 day holding time.

Below are the client sample IDs and associated laboratory sample IDs in Lot F9E150141:

Laboratory ID	Field ID
F9E150141 (1)	4102-0359A-FO
F9E150141 (2)	4102-0360A-FO
F9E150141 (3)	4102-0361A-FO
F9E150141 (4)	4102-0361A-FD
F9E150141 (5)	4102-0350A-FO
F9E150141 (6)	4102-0351A-FO
F9E150141 (7)	4102-0352A-FO
F9E150141 (8)	4102-0353A-FO
F9E150141 (9)	4102-0354A-FO
F9E150141 (10)	4102-0355A-FO
F9E150141 (11)	4102-0356A-FO
F9E150141 (12)	4102-0357A-FO
F9E150141 (13)	4102-0358A-FO
F9E150141 (14)	4103-0589A-FO
F9E150141 (15)	4103-0590A-FO
F9E150141 (16)	4103-0591A-FO
F9E150141 (17)	4103-0592A-FO

F9E150141 (18)	4103-0593A-FO
F9E150141 (19)	4103-0594A -FO
F9E150141 (20)	4103-0595A-FO
F9E150141 (21)	4103-0596A -FO
F9E150141 (22)	4103-0597A -FO
F9E150141 (23)	4103-0598A -FD
F9E150141 (24)	4103-0599A -FO
F9E150141 (25)	4103-0600A -FO
F9E150141 (26)	4103-0601A -FO
F9E150141 (27)	4108-0731A -FO
F9E150141 (28)	4108-0742A -FO
F9E150141 (29)	4108-0752A -FO
F9E150141 (30)	4108-0757A -FO
F9E150141 (31)	4108-0763A -FO
F9E150141 (32)	4108-0772A -FO
F9E150141 (33)	4108-0793A -FO
F9E150141 (34)	4108-0797A -FO
F9E150141 (35)	4108-0803A -FO
F9E150141 (36)	4108-0819A -FO
F9E150141 (37)	4108-0820A -FO

Based on the summary forms and raw data, the data, as validated, are usable. No data were rejected.

3.1.1 Data Package Completeness

The data package was reviewed for the items listed in Table 87.

3.1.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. The results were also supported by the calculations. Continuing calibration information was supplied and reviewed. There were no irregularities that would result in a data qualifier. No validation qualifiers (J, UJ, or R) were assigned. Table 88 presents the QA/QC results. Appendix A, “Validation Documentation,” presents the validation reports and qualified data summary forms.

3.1.2.1 Isotopic Plutonium

The laboratory reported analytes plutonium-238 and plutonium-239/240. No nonconformances or observations were noted.

3.1.2.2 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. The laboratory duplicate (021X) had a tracer recovery of 25 percent, which is below the 30 percent QC limit. No action was taken since the sample/sample duplicate RPD was acceptable.

3.1.2.3 Isotopic Uranium

The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. No nonconformances or observations were noted for the isotopic uranium analysis.

3.1.3 Gamma Spectroscopy

Table 89 presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210M, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results may be biased low and are considered estimated (qualified as J).

3.1.4 Laboratory Qualifiers

The following laboratory qualifiers were assigned to the sample results and are listed on the report forms:

- “U” denotes that the result is less than the sample detection limit.
- “J” denotes that the result, a detect, is at a concentration greater that the sample detection limit but less than the stated reporting limit.

3.1.5 Validation Qualifiers

The following validation qualifiers were assigned to the sample results and are listed on the report forms:

- “U” denotes that the result is a nondetect at the concentration indicated, without qualification.

- "="denotes that the result, a detect, is accepted without qualification. This non-Contract Laboratory Program qualifier is used by the validator to indicate to the end user that the result was reviewed and found to be acceptable.
- "J" denotes that the result, a detect, is considered as estimated because of an identified QA/QC anomaly. The result is usable.

3.2 Lot F8L100282

Three soil samples were collected on December 8, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for alpha spectroscopy and gamma spectroscopy. The samples were analyzed for isotopic plutonium, thorium, uranium, and gamma emitters. Sample F8L100282 (3): 4102-0277A-HO was also analyzed for tritium. The laboratory received the samples intact and at ambient temperature. There were no irregularities associated with the COC documentation. The samples were analyzed within the 180 day holding time.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8L100282:

Laboratory ID	**Field ID**
F8L100282-001	4102-0256A-HO
F8L100282-002	4102-0278A-HO
F8L100282-003	4102-0277A-HO

Based on the summary forms, the data, as reviewed, all uranium-234 results should be qualified as J due to failure of the laboratory duplicate criteria for uranium-234. All other data were acceptable

3.2.1 Data Package Completeness

The data package was reviewed for the items listed in Table 40.

3.2.2 Alpha Spectroscopy

The samples were analyzed for isotopic plutonium, thorium, and uranium using Method EML A-01-R MOD. The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument pulser checks and calibrations were performed and acceptable.

Table 41 presents the results of the review. Appendix A presents the validation reports and qualified data summary forms.

3.2.2.1 Isotopic Plutonium

The laboratory reported analytes plutonium-238 and plutonium-239/240. No nonconformances or observations were noted.

3.2.2.2 Isotopic Thorium

The laboratory reported analytes thorium-228, thorium-230, and thorium-232. No nonconformances or observations were noted for the isotopic thorium analysis.

3.2.2.3 Isotopic Uranium

The laboratory reported analytes uranium-233/234, uranium-235, and uranium-238. The uranium duplicate sample failed the laboratory criteria for uranium-234. All uranium-234 results should be qualified as J.

3.2.3 Gamma Spectroscopy

Table 42 presents the results of the review.

The samples were analyzed using Method EML GA-01-R-MOD, gamma spectroscopy. Per the Methods Summary page, the laboratory was to report cesium-137 and all hits. The laboratory reported analytes actinium-227, actinium-228, americium-241, bismuth-207, bismuth-210M, bismuth-214, cesium-137, cobalt-60, lead-210, protactinium-231, radium-226, thorium-229, uranium-235, and uranium-238. In addition, the laboratory reported some or all (if a hit) of lead-212, lead-214, potassium-40, thallium-208, and thorium-227.

The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable. Due to an inadequate in-growth period, radium-226 results may be biased low and are considered estimated (qualified as J).

3.2.4 Liquid Scintillation

Table 43 presents the results of the review. The samples were analyzed using Method EML H3-04-RC-MOD, tritium (H3) by Liquid Scintillation Counter. The Laboratory reported analyte tritium (H3). The associated QA/QC data were acceptable. The results were supported by the raw data. Instrument checks and calibrations were performed and acceptable.

3.2.5 Laboratory Qualifiers

The following laboratory qualifiers were assigned to the sample results and are listed on the report forms:

- “U” denotes that the result is less than the sample detection limit.
- “J” denotes that the result, a detect, is at a concentration greater that the sample detection limit but less than the stated reporting limit.

3.2.6 Validation Qualifiers

The following validation qualifiers were assigned to the sample results and are listed on the report forms:

- "U" denotes that the result is a nondetect at the concentration indicated, without qualification.
- "="denotes that the result, a detect, is accepted without qualification. This non-Contract Laboratory Program qualifier is used by the validator to indicate to the end user that the result was reviewed and found to be acceptable.
- "J" denotes that the result, a detect, is considered as estimated because of an identified QA/QC anomaly. The result is usable.

3.3 Lot F8J020194

Twenty soil samples were collected on September 29, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 2°C. There were no irregularities in the associated COC documentation. The samples were analyzed within the specified holding time.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8J020194:

Laboratory ID	Field ID
F8J020194-001	4102-0293A-HO
F8J020194-002	4102-0294A-HO
F8J020194-003	4102-0295A-HO
F8J020194-004	4102-0296A-HO
F8J020194-005	4102-0301A-HO
F8J020194-006	4102-0302A-HO
F8J020194-007	4102-0303A-HO
F8J020194-008	4102-0304A-HO
F8J020194-009	4102-0305A-HO
F8J020194-010	4102-0306A-HO
F8J020194-011	4102-0307A-HO
F8J020194-012	4102-0311A-HO
F8J020194-013	4102-0312A-HO
F8J020194-014	4102-0313A-HO
F8J020194-015	4102-0314A-HO
F8J020194-016	4102-0315A-HO
F8J020194-017	4102-0316A-HO
F8J020194-018	4102-0317A-HO
F8J020194-019	4102-0318A-HO
F8J020194-020	4102-0322A-HO

Based on the summary forms and raw data, the data, as reviewed, are usable. No data were rejected.

3.3.1 Data Package Completeness

The data package was reviewed for the items listed in Table 13.

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using EPA SW-846 Method 8082. The QA/QCs were acceptable. The results were supported by the raw data. The results were also supported by the calculations. No validation qualifiers were assigned. The results of the QA/QC review are listed in Table 14.

3.3.2 Laboratory Qualifiers

The following laboratory qualifiers were assigned to the sample results and are listed on the report forms:

- "U" denotes that the result is less than the sample detection limit.
- "J" denotes that the result, a detect, is at a concentration greater that the sample detection limit but less than the stated reporting limit.

3.3.3 Validation Qualifiers

The following validation qualifiers were assigned to the sample results and are listed on the report forms:

- "U" denotes that the result is a nondetect at the concentration indicated, without qualification.
- "="denotes that the result, a detect, is accepted without qualification. This non-Contract Laboratory Program qualifier is used by the validator to indicate to the end user that the result was reviewed and found to be acceptable.
- "J" denotes that the result, a detect, is considered as estimated because of an identified QA/QC anomaly. The result is usable.

3.4 Lot F8L090224

Fourteen soil samples were collected on December 4, 2008. The samples were sent to the TestAmerica facility located in St. Louis, Missouri for analysis for PCBs. The laboratory received the samples intact and at 4°C. The surrogate recovery for sample, 4102-0267A-HO, was high. Matrix interference is suspected. The sample was reanalyzed at a dilution. The samples were analyzed within the specified holding time.

Below are the laboratory sample IDs and client sample IDs contained in Lot F8L090224:

Laboratory ID	Field ID
F8L090224-001	4102-0253A-HO
F8L090224-002	4102-0254A-HO
F8L090224-003	4102-0255A-HO
F8L090224-004	4102-0256A-HO
F8L090224-005	4102-0264A-HO
F8L090224-006	4102-0265A-HO
F8L090224-007	4102-0266A-HO
F8L090224-008	4102-0267A-HO
F8L090224-009	4102-0275A-HO
F8L090224-010	4102-0276A-HO
F8L090224-011	4102-0277A-HO
F8L090224-012	4102-0278A-HO
F8L090224-013	4102-0289A-HO
F8L090224-014	4102-0289A-HD

Based on the summary forms and raw data, the data, as reviewed, are usable. No data were rejected.

3.4.1 Data Package Completeness

The data package was reviewed for the items listed in Table 37.

The samples were analyzed for Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260 using EPA SW-846 Method 8082. The QA/QCs were acceptable. The results were supported by the raw data. The results were also supported by the calculations. No validation qualifiers were assigned. The results of the QA/QC review are listed in Table 38.

3.4.2 Laboratory Qualifiers

The following laboratory qualifiers were assigned to the sample results and are listed on the report forms:

- “U” denotes that the result is less than the sample detection limit.
- “J” denotes that the result, a detect, is at a concentration greater that the sample detection limit but less than the stated reporting limit.

3.4.3 Validation Qualifiers

The following validation qualifiers were assigned to the sample results and are listed on the report forms:

- “U” denotes that the result is a nondetect at the concentration indicated, without qualification.

- "="denotes that the result, a detect, is accepted without qualification. This non-Contract Laboratory Program qualifier is used by the validator to indicate to the end user that the result was reviewed and found to be acceptable.
- "J" denotes that the result, a detect, is considered as estimated because of an identified QA/QC anomaly. The result is usable.

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4.0 References

U.S. Department of Energy (DOE), 2002, *Methods Compendium, Mound Plant, Miamisburg Ohio*, Technical Manual MD-80045, Issue 2, January 22.

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Tables

Table 1
Package Completeness Checklist for Lot F8G180280

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 2
Alpha Spectroscopy Quality Control Review for Lot F8G180280

				Daily Pulser		Tracer Yields		LCS		
				Det No.		CL: 30-110%	CL: 30-110%	CL: 79-113%	CL: 84-123%	CL: 79-122%
Pu Batch	Th Batch	Field ID	Laboratory ID	Pu-Th	Pass	Pu-242	Th-229	Pu-238	Pu-239	Th-230
8094150	NA	(Laboratory LCS)	F8D030000-150C	46	Yes	89				
NA	8094165	(Laboratory LCS)	F8D030000-165C	52	Yes	NA	87			
NA	8099130	(Laboratory LCS)	F8D080000-130C	48	Yes	NA	89			
8094150	NA	(Laboratory MB)	F8D030000-150B	76	Yes	94	NA			
NA	8094165	(Laboratory MB)	F8D030000-165B	48	Yes	NA	65			
NA	8099130	(Laboratory MB)	F8D080000-130B	24	Yes	NA	92			
8094150	8094165	0701-0143A-FO	F8D010210-001	56 / 70	Yes	91	61	94	103	92
8094150	8094165	(Laboratory Dup)	F8D010210-001X	66 / 73	Yes	77	68	94	103	92
8094150	8094165	0701-0144A-FO	F8D010210-002	69 / 74	Yes	84	53	94	103	92
8094150	8094165	0701-0145A-FO	F8D010210-003	70 / 21	Yes	84	32	94	103	92
8094150	8094165	0701-0146A-FO	F8D010210-004	73 / 22	Yes	90	31	94	103	92
8094150	8099130	PRS7-AL-056	F8D010210-005	74 / 49	Yes	83	64	94	103	103
NA	8099130	(Laboratory Dup)	F8D010210-005X	NA / 21	Yes	NA	43	NA	NA	103
8094150	8099130	PRS7-AL-057	F8D010210-006	75 / 23	Yes	85	63	94	103	103
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Table 2 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8G180280

Laboratory Duplicate						Field Duplicate			Method Blank (pCi/g)
Field ID	Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD	CL: > RL RL = 1 pCi/g
4110-0006A-HO	8203139	Pu-238	3.77	4.62	20	NA	NA	NA	ND
(F8G180280-001)	8203139	Pu-239	0.017 (U)	0.040 (U)	NC	NA	NA	NA	ND
4110-0087A-HO	8211140	Pu-238	0.61 (J)	0.55 (J)	11	NA	NA	NA	ND
(F8G180280-008)	8211140	Pu-239	0.0007 (U)	-0.0096 (U)	NC	NA	NA	NA	ND
4110-0006A-HO	8203141	Th-228	0.52 (J)	0.56 (J)	7	NA	NA	NA	0.085
(F8G180280-001)	8203141	Th-230	1.28	1.25	2	NA	NA	NA	0.074
	8203141	Th-232	0.69 (J)	0.67 (J)	4	NA	NA	NA	ND

Note(s):
CL denotes control limit.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
MB denotes method blank.
NA denotes not applicable.
NC denotes not calculated.
ND denotes not detected.
pCi/g denotes picoCurie(s) per gram.
Pu denotes plutonium.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 3
Gamma Spectroscopy Quality Control Review for Lot F8G180280

Batch	Field ID	Laboratory ID	LCS			Method Blank (pCi/g) Above RL?	Det No.	Calibrations		
			Am-241 (CL: 90-110%)	Cs-137 (CL: 94-118%)	Co-60 (CL: 90-110%)			Daily Check OK?	Monthly Bkg OK?	Efficiency Cal OK?
8204402	(Laboratory LCS)	F8G220000-402C	102	110	103	NA	6	Yes	Yes	Yes [a]
8204402	(Laboratory MB)	F8G220000-402B	NA	NA	NA	ND	8	Yes	Yes	Yes [a]
8204402	4110-0006A-HO	F8G180280-001	102	110	103	NA	8	Yes	Yes	Yes [a]
8204402	(Laboratory Dup)	F8G180280-001X	102	110	103	NA	2	Yes	Yes	Yes [a]
8204402	4110-0014A-HO	F8G180280-002	102	110	103	NA	7	Yes	Yes	Yes [a]
8204402	4110-0019A-HO	F8G180280-003	102	110	103	NA	5	Yes	Yes	Yes [a]
8204402	4110-0025A-HO	F8G180280-004	102	110	103	NA	2	Yes	Yes	Yes [a]
8204402	4110-0031A-HO	F8G180280-005	102	110	103	NA	4	Yes	Yes	Yes [a]
8204402	4110-0033A-HO	F8G180280-006	102	110	103	NA	6	Yes	Yes	Yes [a]
8204402	4110-0084A-HO	F8G180280-007	102	110	103	NA	4	Yes	Yes	Yes [a]
8204402	4110-0087A-HO	F8G180280-008	102	110	103	NA	5	Yes	Yes	Yes [a]
8204402	4110-0104A-HO	F8G180280-009	102	110	103	NA	7	Yes	Yes	Yes [a]
8204402	4110-0105A-HO	F8G180280-010	102	110	103	NA	8	Yes	Yes	Yes [a]

Table 3 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F8G180280

Field ID	Isotope	Laboratory Duplicate			Field Duplicate			MS/MSD		
		Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (CL 50%)	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (CL 50%)	MS %R	MSD %R	RPD
F8G180280-001	Actinium-228	0.62	0.47	26	NA	NA	NA	NA	NA	NA
	Bismuth-214	0.81	0.64	23						
	Radium-226	0.81	0.64	23						
	Lead-212	0.51	0.62	19						
	Lead-214	0.81	0.79	3						
	Potassium-40	12.6	14.1	11						
	Thallium-208	0.232	0.278	18						

Note(s):

[a] *Raw data not included.*

%R denotes percent recovery.
CL denotes control limit.
Cs denotes cesium.
Dup denotes duplicate.
LCS denotes laboratory control sample.
MS denotes matrix spike.
NA denotes not applicable.
pCi/g denotes picoCurie(s) per gram.
RPD denotes relative percent difference.
Am denotes americium.
Co denotes cobalt.
Det No. denotes detector number.
ID denotes identifier.
MB denotes method blank.
MSD denotes matrix spike duplicate.
ND denotes not detected.
RL denotes reporting limit.

Table 4
Package Completeness Checklist for Lot F8I250280

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 3 degrees Centigrade
Communication records	no	

Table 5
Results of Review of Package F8I250280 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings		
			Field ID	Laboratory ID	%R
Soils	Surrogate (DCB)	57-150%	4102-0246A-HO	F8I250280-008	2180 [a]
	ICAL	Acceptable			
	CCAL	Acceptable			
			LCS %R	LCSD %R	RPD
	LCS/LCSD-Ar 1016	76-133%; 20% RPD	97	-	NA
	LCS/LCSD-Ar 1260	78-131%; 20% RPD	99	-	NA
	Method Blank	<RL (33 µg/kg)	ND		
	Sample spiked: 4102-0239A-HO		MS %R	MSD %R	RPD
	MS/MSD-Ar 1016	53-150%, 30% RPD	113	119	5.2
	MS/MSD-Ar 1260	38-150%, 30% RPD	103	110	6.6
	Field Duplicate		Value 1 (µg/kg)	Value 2 (µg/kg)	RPD (50% CL)
	4102-0251A-HO,HD	Aroclor 1248	330	480	37.0
		Aroclor 1254	190	140	30.3

Note(s):

[a] *Sample surrogate recovery was high for the above sample. The laboratory attributed the high recovery to matrix interference and took no action. Any detects reported for this sample should be considered estimated and qualified as J.*

%R denotes percent recovery.

µg/kg denotes microgram(s) per kilogram.

Ar denotes Aroclor.

CCAL denotes continued calibration.

CL denotes control limit.

DCB denotes dichlorobenzene.

ICAL denotes initial calibration.

ID denotes identifier.

LCS denotes laboratory control sample.

LCSD denotes laboratory control sample duplicate.

MS denotes matrix spike.

MSD denotes matrix spike duplicate.

NA denotes not applicable.

ND denotes not detected.

QA denotes quality assurance.

QC denotes quality control.

RPD denotes relative percent difference.

Table 6
Polychlorinated Biphenyl Confirmations – Lot FI8250280

Laboratory ID / Client ID	Column A Value 1 (µg/kg)	Column B Value 2 (µg/kg)	% Diff Between Columns	Acceptable? (<40%)	Lowest Value Moisture Corrected	Laboratory Reported Value (µg/kg)
F8I250280(1):4102-0239A-HO	Aroclor 1254					
	33.71	33.07	1.92	Yes	33.5	34
F8I250280(3):4102-0241A-HO	Aroclor 1248					
	641.4	596	7.34	Yes	609.4	660
F8I250280(4):4102-0242A-HO	Aroclor 1254					
	282	291.5	3.31	Yes	287.5	290
F8I250280(5):4102-0243A-HO	Aroclor 1248					
	120.1	113.9	5.30	Yes	116.3	120
	Aroclor 1254					
	67.12	68.41	1.90	Yes	68.6	69
F8I250280(6):4102-0244A-HO	Aroclor 1248					
	109.8	104.4	5.04	Yes	106.4	110
	Aroclor 1254					
	43.14	46.98	8.52	Yes	44.0	44
F8I250280(8):4102-0246A-HO	Aroclor 1248					
	543.2	514.5	5.43	Yes	529.9	560
F8I250280(9):4102-0247A-HO	Aroclor 1248					
	92.51	90.4	2.31	Yes	92.1	94

Table 6 (Continued)
Polychlorinated Biphenyl Confirmations – Lot FI8250280

Laboratory ID / Client ID	Column A Value 1 (µg/kg)	Column B Value 2 (µg/kg)	% Diff Between Columns	Acceptable? (<40%)	Lowest Value Moisture Corrected	Laboratory Reported Value (µg/kg)
F8I250280(10):4102-0248A-HO	Aroclor 1248					
	1141	1114	2.39	Yes	1135.6	1200
F8I250280(11):4102-0249A-HO	Aroclor 1254					
	342.4	379.8	10.36	Yes	349.4	350
F8I250280(12):4102-0250A-HO	Aroclor 1248					
	182.4	170.5	6.74	Yes	177.4	190
	Aroclor 1254					
	135.8	131.1	3.52	Yes	136.4	140
F8I250280(13):4102-0251A-HO	Aroclor 1248					
	317.9	277	13.75	Yes	285.0	330
	Aroclor 1254					
	180.6	162.6	10.49	Yes	167.3	190

Table 6 (Continued)
Polychlorinated Biphenyl Confirmations – Lot FI8250280

Laboratory ID / Client ID	Column A Value 1 (µg/kg)	Column A Value 1 (µg/kg)	% Diff Between Columns	Acceptable? (<40%)	Lowest Value Moisture Corrected	Laboratory Reported Value (µg/kg)
F8I250280(14):4102-0251A-HD	Aroclor 1248					
	460.5	364.9	23.16	Yes	384.1	480
	Aroclor 1254					
	131.8	127	3.71	Yes	133.7	140
F8I250280(16):4102-0257A-HO	Aroclor 1248					
	516.6	480	7.34	Yes	490.3	530
F8I250280(17):4102-0258A-HO	Aroclor 1248					
	115.9	100.7	14.04	Yes	102.3	120
F8I250280(18):4102-0259A-HO	Aroclor 1248					
	191	167.6	13.05	Yes	170.8	190
	Aroclor 1254					
	142.1	123	14.41	Yes	125.4	140
F8I250280(19):4102-0260A-HO	Aroclor 1248					
	172.6	150.4	13.75	Yes	160.2	180
	Aroclor 1254					
	61.24	65.14	6.17	Yes	65.2	65

Table 6 (Continued)
Polychlorinated Biphenyl Confirmations – Lot FI8250280

Laboratory ID / Client ID	Column A Value 1 (µg/kg)	Column A Value 1 (µg/kg)	% Diff Between Columns	Acceptable? (<40%)	Lowest Value Moisture Corrected	Laboratory Reported Value (µg/kg)
F8I250280(20):4102-0261A-HO	Aroclor 1248					
	126.7	140.4	10.26	Yes	129.8	130
	Aroclor 1254					
	92.38	84.89	8.45	Yes	87.0	95

Note(s):
All laboratory results were reported from column A. Column B used for confirmation.
µg/kg denotes microgram(s) per kilogram.
Diff denotes difference.
ID denotes identifier.

Table 7
Package Completeness Checklist for Lot F8I250288

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 3 degrees Centigrade
Communication records	no	

Table 8
Results of Review of Package F8I250288 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings		
			Field ID	Laboratory ID	%R
Soils	Surrogate (DCB)	57-150%	4102-0268A-HO	F8I250288-003	2490 [a]
	ICAL	Acceptable			
	Continued Calibration	The opening/closing continuing calibration verification (CCV) surrogate recovery for MCAL 788 was outside the QC limit (±20% difference) on the primary/reported column for DCB. The opening/closing CCV recoveries for MCAL 788 were outside the QC limit (± 20%) on the confirmation/unreported column for Aroclor 1016 and 1260. Column B was used as a confirmation column only; no data were reported from this column.			
		Associated Samples:			
		F8I250288 (1): 4102-0262A-HO	F8I250288 (9): 4102-0273A-HO		
		F8I250288 (2): 4102-0263A-HO	F8I250288 (10): 4102-0274A-HO		
		F8I250288 (3): 4102-0268A-HO	F8I250288 (11): 4102-0279A-HO		
		F8I250288 (4): 4102-0269A-HO	F8I250288 (12): 4102-0280A-HO		
		F8I250288 (5): 4102-0270A-HO	F8I250288 (13): 4102-0281A-HO		
		F8I250288 (6): 4102-0270A-HD	F8I250288 (14): 4102-0282A-HO		
		F8I250288 (7): 4102-0271A-HO	F8I250288 (15): 4102-0283A-HO		
		F8I250288 (8): 4102-0272A-HO	F8I250288 (16): 4102-0284A-HO		
			LCS %R	LCSD %R	RPD
	LCS/LCSD-Ar 1016	76-133%; 20% RPD	106	NA	NA
	LCS/LCSD-Ar 1260	78-131%; 20% RPD	115	NA	NA
	Method Blank	<RL (33 μg/kg)	ND		
			MS %R	MSD %R	RPD
	MS/MSD-Ar 1016	53-150%, 30% RPD	193 [b]	235 [b]	19
	MS/MSD-Ar 1260	38-150%, 30% RPD	125	124	1.4

Table 8 (Continued)
Results of Review of Package F8I250288 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings		
			Field ID	Laboratory ID	%R
	Field Duplicate	50 % RPD	Value 1	Value 2	RPD
	4102-0270A-HO,HD	Aroclor 1248	440	410	7.1
		Aroclor 1254	170	150	12.5

Note(s):

[a] *Sample surrogate recovery was high for the above sample. The laboratory attributed the high recovery to matrix interference. The sample was reanalyzed at a 4x dilution. The surrogate recovery for the reanalysis was also high. Any detects reported for these runs should be considered estimated and qualified as J.*

Samples F8I250288 (3): 4102-0268A and F8I250288 (13): 4102-0281A were analyzed at a dilution due to high concentrations of Aroclor 1248. The reporting limits were adjusted only for Aroclor 1248 from the dilution run.

[b] *MS/MSD sample F8I250288 (1): 4102-0262A was spiked with Aroclor 1016 and 1260. Aroclor 1016 had high recoveries (control limit 53 to 150 percent). No qualifiers were assigned to F8I250288 (1): 4102-0262A, because Aroclor 1016 was not reported as a detect for the sample. Aroclor 1260 recoveries were acceptable.*

%R denotes percent recovery.

µg/kg denotes microgram(s) per kilogram.

Ar denotes Aroclor.

DCB denotes dichlorobenzene.

ICAL denotes initial calibration.

ID denotes identifier.

LCS denotes laboratory control sample.

LCSD denotes laboratory control sample duplicate.

MS denotes matrix spike.

MSD denotes matrix spike duplicate.

NA denotes not applicable.

ND denotes not detected.

QA denotes quality assurance.

QC denotes quality control.

RPD denotes relative percent difference.

Table 9
Polychlorinated Biphenyl Confirmations – Lot F8I250288

Laboratory ID / Client ID	Column A Value 1 (µg/kg)	Column B Value 2 (µg/kg)	% Diff	Acceptable? (<40%)	Lowest Value Moisture Corrected (µg/kg)	Laboratory Reported Value (µg/kg)
F8I250288(1):4102-0262A-HO	Aroclor 1248					
	251	235	6.58	Yes	239.1	260
F8I250288(2):4102-0263A-HO	Aroclor 1248					
	187.2	205	9.08	Yes	200.6	200
	Aroclor 1254					
	146.6	144.3	1.58	Yes	154.7	160
F8I250288(3):4102-0268A-HO	Aroclor 1248					
	2268	1954	14.87	Yes	1991.8	2300 D
F8I250288(4):4102-0269A-HO	Aroclor 1248					
	418.8	391.9	6.64	Yes	403.6	430
	Aroclor 1254					
	183.5	254.2	32.31	Yes	189.0	190
F8I250288(5):4102-0270A-HO	Aroclor 1248					
	428.4	370.4	14.52	Yes	376.4	440
	Aroclor 1254					
	163.1	165.4	1.40	Yes	165.8	170
F8I250288(6):4102-0270A-HD	Aroclor 1248					
	398.2	331.3	18.34	Yes	338.1	410
	Aroclor 1254					
	144.5	133.2	8.14	Yes	135.9	150
F8I250288(7):4102-0271A-HO	Aroclor 1248					
	441.7	413.2	6.67	Yes	445.3	480
	Aroclor 1254					
	309.2	272.9	12.47	Yes	294.1	330
F8I250288(10):4102-0274A-HO	Aroclor 1248					
	572.4	509.7	11.59	Yes	528.7	590
F8I250288(11):4102-0279A-HO	Aroclor 1248					
	229.1	239.6	4.48	Yes	239.9	240

Table 9 (Continued)
Polychlorinated Biphenyl Confirmations – Lot F8I250288

Laboratory ID / Client ID	Column A Value 1 (µg/kg)	Column B Value 2 (µg/kg)	% Diff	Acceptable? (<40%)	Lowest Value Moisture Corrected (µg/kg)	Laboratory Reported Value (µg/kg)
	Aroclor 1254					
	114.7	108.2	5.83	Yes	113.3	120
F8I250288(12):4102-0280A-HO	Aroclor 1254					
	758.6	736.8	2.92	Yes	792.3	820
F8I250288(13):4102-0281A-HO	Aroclor 1248					
	2124	2161	1.73	Yes	2152.0	2200 D

Note(s):
All laboratory results were reported from column A. Column B used for confirmation.
D denotes sample diluted due to high concentrations of target analytes.
µg/kg denotes microgram(s) per kilogram.
Diff denotes difference.
ID denotes identifier.

Table 10
Package Completeness Checklist for Lot F8J020189

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 2 degrees Centigrade
Communication records	no	

Table 11
Results of Review of Package F8J020189 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings		
			Field ID	Laboratory ID	%R
Soils	Surrogate (DCB)	57-150%	No outliers		
	ICAL	Acceptable			
	CCAL	Acceptable			
Batch			LCS %R	LCSD %R	RPD
8279015	LCS/LCSD-Ar 1016	76-133%; 20% RPD	96	NA	NA
	LCS/LCSD-Ar 1260	78-131%; 20% RPD	101	NA	NA
8279017	LCS/LCSD-Ar 1016	76-133%; 20% RPD	109	NA	NA
	LCS/LCSD-Ar 1260	78-131%; 20% RPD	113	NA	NA
8279015	Method Blank	<RL (33 µg/kg)	ND		
8279017	Method Blank	<RL (33 µg/kg)	ND		
			MS %R	MSD %R	RPD
8279015 – Sample F8J020189-001	MS/MSD-Ar 1016	53-150%, 30% RPD	93	119	24
	MS/MSD-Ar 1260	38-150%, 30% RPD	99	102	3.0
8279017-Sample F8J020189-021	MS/MSD-Ar 1016	53-150%, 30% RPD	95	96	1.0
	MS/MSD-Ar 1260	38-150%, 30% RPD	104	104	0.0
	Field Dup	50 % RPD	Value 1	Value 2	RPD
	4102-0327A-HO/4102-0327A-HD		All results ND	All results ND	NA
	4102-0346A-HD /4102-0346A-HD		All results ND	All results ND	NA

Note(s):

%R denotes percent recovery.
Ar denotes Aroclor.
DCB denotes dichlorobenzene.
ICAL denotes initial calibration.
LCS denotes laboratory control sample.
MS denotes matrix spike.
NA denotes not applicable.
QA denotes quality assurance.
RL denotes reporting limit.
µg/kg denotes microgram(s) per kilogram.
CCAL denotes continued calibration.
Dup denotes duplicate.
ID denotes identifier.
LCSD denotes laboratory control sample duplicate.
MSD denotes matrix spike duplicate.
ND denotes not detected.
QC denotes quality control.
RPD denotes relative percent difference.

Table 12
Polychlorinated Biphenyl Confirmations – Lot F8J020189

Laboratory ID / Client ID	Column A Value 1 (µg/kg)	Column B Value 2 (µg/kg)	% Diff	Acceptable? (<40%)	Lowest Value Moisture Corrected (µg/kg)	Laboratory Reported Value (µg/kg)
F8J020189(3):4102-0325A-HO	Aroclor 1254					
	47.67	55.91	17.29	Yes	49	49
F8J020189(11):4102-0335A-HO	Aroclor 1254					
	192.2	201.9	5.05	Yes	198	200
	Aroclor 1260					
	71.38	71.90	0.73	Yes	73	73
F8J020189(12):4102-0336A-HO	Aroclor 1254					
	50.24	57.37	14.19	Yes	51	51
F8J020189(13):4102-0337A-HO	Aroclor 1254					
	62.58	79.37	26.83	Yes	64	64
F8J020189(17):4102-0344A-HO	Aroclor 1248					
	164.0	149.6	8.78	Yes	151	170
F8J020189(18):4102-0345A-HO	Aroclor 1254					
	46.84	49.23	5.10	Yes	48	48

Note(s):
All laboratory results were reported from column A. Column B used for confirmation.
µg/kg denotes microgram(s) per kilogram.
Diff denotes difference.
ID denotes identifier.

Table 13
Package Completeness Checklist for Lot F8J020194

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 2 degrees Centigrade
Communication records	no	

Table 14
Results of Review of Package F8J020194 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings			
			Field ID	Laboratory ID	%R	
Soils	Surrogate (DCB)	57-150%				No outliers
	ICAL	Acceptable				
	Continued calibration – The opening/closing continuing calibration verification surrogate recovery for MCAL038 was outside the lower QC limits of 20% difference (23.2%). On the confirmation/unreported column for DCB. This column (B) was used as a confirmation column only and no data were reported from this column. No qualifier needed.					
	Associated Samples:	F8J020194(13): 4102-0312A-HO				
		F8J020194(14): 4102-0313A-HO				
		F8J020194(15): 4102-0314A-HO				
		F8J020194(16): 4102-0315A-HO				
		F8J020194(17): 4102-0316A-HO				
		F8J020194(18): 4102-0317A-HO				
		F8J020194(19): 4102-0318A-HO				
		F8J020194(20): 4102-0322A-HO				
			LCS %R	LCSD %R	RPD	
	LCS/LCSD-Ar 1016	76-133%; 20% RPD	107	NA	NA	
	LCS/LCSD-Ar 1260	78-131%; 20% RPD	105	NA	NA	
	Method Blank	<RL (33 μg/kg)	ND			
	Spiked sample: F8J020194-001		MS %R	MSD %R	RPD	
	MS/MSD-Ar 1016	53-150%, 30% RPD	102	91	11	
	MS/MSD-Ar 1260	38-150%, 30% RPD	104	106	1.8	
	Field Dup	50 % RPD	Value 1	Value 2	RPD	
	NA					

Note(s):

%R denotes percent recovery.
μg/kg denotes microgram(s) per kilogram.
Ar denotes Aroclor.
DCB denotes dichlorobenzene.
ICAL denotes initial calibration.
ID denotes identifier.
LCS denotes laboratory control sample.
LCSD denotes laboratory control sample duplicate.
MS denotes matrix spike.
MSD denotes matrix spike duplicate.
NA denotes not applicable.
ND denotes not detected.
QA denotes quality assurance.
QC denotes quality control.
RL denotes reporting limit.
RPD denotes relative percent difference.

Table 15
Polychlorinated Biphenyl Confirmations – Lot F8J020194

Laboratory ID / Client ID	Column A Value 1 (µg/kg)	Column B Value 2 (µg/kg)	% Diff	Acceptable? (<40%)	Lowest Value Moisture Corrected (µg/kg)	Laboratory Reported Value (µg/kg)
F8J020194(8):4102-0304A-HO	Aroclor 1254					
	107.8	104.9	2.69	Yes	106	110
F8J020194(11):4102-0307A-HO	Aroclor 1248					
	507.3	548.5	8.12	Yes	516	520
F8J020194(15):4102-0314A-HO	Aroclor 1242					
	400.9	366.3	8.63	Yes	382	420 [a]
F8J020194(17):4102-0316A-HO	Aroclor 1248					
	315.1	418.6	32.85	Yes	327	330
	Aroclor 1254					
	230.0	236.5	2.83	Yes	239	240
	Aroclor 1260					
	95.37	79.99	16.13	Yes	83	99 [a]
F8J020194(18):4102-0317A-HO	Aroclor 1248					
	298.1	297.3	0.27	Yes	305	310
	Aroclor 1254					
	156.1	161.4	3.40	Yes	160	160
	Aroclor 1260					
	55.04	50.86	7.59	Yes	52	56 [a]
F8J020194(19):4102-0318A-HO	Aroclor 1248					
	50.18	45.36	9.61	Yes	47	52 [a]

Note(s):
All laboratory results were reported from column A. Column B used for confirmation.
µg/kg denotes microgram(s) per kilogram.
Diff denotes difference.
ID denotes identifier.

Table 16
Package Completeness Checklist for Lot F8J160124

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 17
Alpha Spectroscopy Quality Control Review for Lot F8J160124

				Daily Pulser		Tracer Yields		LCS		
				Det No.		CL: 30-110%	CL: 30-110%	CL: 82-117%	CL: 91-122%	CL: 83-120%
Pu Batch	Th Batch	Field ID	Laboratory ID	Pu-Th	Pass	Pu-242	Th-229	Pu-238	Pu-239	Th-230
8301250	NA	(Laboratory LCS)	F8J270000-250C	68	Yes	87	NA	104	107	NA
8301250	NA	(Laboratory MB)	F8J270000-250B	67	Yes	92	NA	104	107	NA
NA	8294147	(Laboratory LCS)	F8J200000-147C	53	Yes	NA	70	NA	NA	113
NA	8294147	(Laboratory MB)	F8J200000-147B	51	Yes	NA	80	NA	NA	113
8301250	8294147	4101-0121A-HO	F8J160124-001	1 / 74	Yes	90	74	104	107	113
8301250	8294147	(Laboratory Dup)	F8J160124-001X	3 / 3	Yes	90	78	104	107	113
8301250	8294147	4101-0129A-HO	F8J160124-002	4 / 4	Yes	87	78	104	107	113
8301250	8294147	4101-0144A-HO	F8J160124-003	6 / 6	Yes	96	78	104	107	113
8301250	8294147	4101-0148A-HO	F8J160124-004	7 / 7	Yes	93	73	104	107	113
8301250	8294147	4101-0175A-HO	F8J160124-005	8 / 8	Yes	91	73	104	107	113
8301250	8294147	4101-0175A-HD	F8J160124-006	9 / 9	Yes	94	71	104	107	113
8301250	8294147	4101-0176A-HO	F8J160124-007	11 / 11	Yes	90	75	104	107	113
8301250	8294147	4101-0185A-HO	F8J160124-008	13 / 12	Yes	96	72	104	107	113
8301250	8294147	4101-0187B-HO	F8J160124-009	15 / 13	Yes	95	81	104	107	113
8301250	8294147	4101-0210A-HO	F8J160124-010	16 / 15	Yes	88	73	104	107	113
8301250	8294147	4101-0219A-HO	F8J160124-011	18 / 16	Yes	97	75	104	107	113
8301250	8294147	4101-0221A-HO	F8J160124-012	21 / 18	Yes	100	78	104	107	113
8301250	8294147	4102-0239A-HO	F8J160124-013	22 / 21	Yes	103	70	104	107	113

Table 17 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8J160124

				Daily Pulser		Tracer Yields		LCS		
				Det No.		CL: 30-110%	CL: 30-110%	CL: 82-117%	CL: 91-122%	CL: 83-120%
Pu Batch	Th Batch	Field ID	Laboratory ID	Pu-Th	Pass	Pu-242	Th-229	Pu-238	Pu-239	Th-230
8301250	8294147	4102-0251A-HO	F8J160124-014	24 / 22	Yes	100	90	104	117	113
8301250	8294147	4102-0251A-HD	F8J160124-015	46 / 24	Yes	92	75	104	117	113
8301250	8294147	4102-0257A-HO	F8J160124-016	47 / 46	Yes	87	81	104	117	113
8301250	8294147	4102-0272A-HO	F8J160124-017	50 / 47	Yes	88	78	104	117	113
8301250	8294147	4102-0294A-HO	F8J160124-018	52 / 50	Yes	96	74	104	117	113
8301250	8294147	4102-0312A-HO	F8J160124-019	53 / 52	Yes	88	80	104	117	113
8301250	8294147	4102-0334A-HO	F8J160124-020	58 / 54	Yes	92	74	104	117	113
8294272	NA	(Laboratory LCS)	F8J200000-272C	60	Yes	94	NA	93	100	NA
8294272	NA	(Laboratory MB)	F8J200000-272B	59	Yes	90	NA	93	100	NA
NA	8301252	(Laboratory LCS)	F8J270000-252C	55	Yes	NA	83	NA	NA	100
NA	8301252	(Laboratory MB)	F8J270000-252B	54	Yes	NA	65	NA	NA	100
8294272	8301252	4102-0336A-HO	F8J160124-021	7 / 4	Yes	81	69	93	100	100
8294272	8301252	(Laboratory Dup)	F8J160124-021X	8 / 6	Yes	92	73	93	100	100
			Monthly Background		Yes					
			Monthly Calibration		Yes					

Table 17 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8J160124

Uranium			Daily Pulser		Tracer Yield and Limits	LCS and Limits	
			Det No.				
Uranium Batch	Field ID	Laboratory ID	Uranium	Pass	Uranium-234 (30-110%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8294151	(Laboratory LCS)	F8J200000-151C	60	Yes	90	91	100
8294151	(Laboratory MB)	F8J200000-151B	59	Yes	91	91	100
8294151	4101-0121A-HO	F8J160124-001	1	Yes	77	91	100
8294151	(Laboratory Dup)	F8J160124-001X	3	Yes	85	91	100
8294151	4101-0129A-HO	F8J160124-002	4	Yes	87	91	100
8294151	4101-0144A-HO	F8J160124-003	6	Yes	84	91	100
8294151	4101-0148A-HO	F8J160124-004	7	Yes	85	91	100
8294151	4101-0175A-HO	F8J160124-005	8	Yes	81	91	100
8294151	4101-0175A-HD	F8J160124-006	9	Yes	80	91	100
8294151	4101-0176A-HO	F8J160124-007	11	Yes	93	91	100
8294151	4101-0185A-HO	F8J160124-008	12	Yes	82	91	100
8294151	4101-0187B-HO	F8J160124-009	13	Yes	83	91	100
8294151	4101-0210A-HO	F8J160124-010	15	Yes	88	91	100
8294151	4101-0219A-HO	F8J160124-011	16	Yes	84	91	100
8294151	4101-0221A-HO	F8J160124-012	18	Yes	91	91	100
8294151	4102-0239A-HO	F8J160124-013	21	Yes	90	91	100
8294151	4102-0251A-HO	F8J160124-014	22	Yes	100	91	100
8294151	4102-0251A-HD	F8J160124-015	23	Yes	89	91	100

Table 17 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8J160124

Uranium			Daily Pulser		Tracer Yield and Limits	LCS and Limits	
			Det No.				
Uranium Batch	Field ID	Laboratory ID	Uranium	Pass	Uranium-234 (30-110%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8294151	4102-0257A-HO	F8J160124-016	50	Yes	90	91	100
8294151	4102-0272A-HO	F8J160124-017	52	Yes	99	91	100
8294151	4102-0294A-HO	F8J160124-018	54	Yes	89	91	100
8294151	4102-0312A-HO	F8J160124-019	73	Yes	87	91	100
8294151	4102-0334A-HO	F8J160124-020	74	Yes	86	91	100
8294274	(Laboratory LCS)	F8J200000-274C	55	Yes	85	110	106
8294274	(Laboratory MB)	F8J200000-274B	54	Yes	89	110	106
8294274	4102-0336A-HO	F8J160124-021	4	Yes	88	110	106
8294274	(Laboratory Dup)	F8J160124-021X	6	Yes	93	110	106
			Monthly Background	Yes			
			Monthly Calibration	Yes			

			Laboratory Duplicate			Field Duplicate			Method Blank (pCi/g)
Field ID	Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD	CL: > RL (1 pCi/g)
4101-0121A-HO	8301250	Pu-238	0.74	0.42	57	N/A	N/A	N/A	0.1U
(F8J160124-001X)	8301250	Pu-239/240	0.031 (U)	-0.027 (U)	NA				0.1U
	8294147	Th-228	0.68 (J)	0.56 (J)	19				1U

Table 17 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8J160124

			Laboratory Duplicate			Field Duplicate			Method Blank (pCi/g)
Field ID	Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD	CL: > RL (1 pCi/g)
	8294147	Th-230	1.54 (J)	1.35 (J)	13				0.32J
	8294147	Th-232	0.69 (J)	0.78 (J)	13				1U
	8294151	Uranium-233/234	0.71 (J)	0.78 (J)	10				1U
	8294151	Uranium-235/236	0.14 (U)	0.050 (U)	NA				1U
	8294151	Uranium-238	0.77 (J)	0.52 (J)	38				1U
4102-0336A-HO	8294272	Pu-238	0.56	0.95	52				0.1U
(F8J160124-021X)	8294272	Pu-239/240	0.007 (U)	0.008 (U)	NA				0.1U
	8301252	Th-228	1.48 (J)	3.47	81				1U
	8301252	Th-230	1.99 (J)	1.95 (J)	2				0.22J
	8301252	Th-232	1.90 (J)	3.21	52				1U
	8294274	Uranium-233/234	0.55 (J)	0.96 (J)	55				1U
	8294274	Uranium-235/236	-0.0047 (U)	-0.014 (U)	NA				1U
	8294274	Uranium-238	0.63 (J)	1.03 (J)	49				1U
4101-0175A-HO	8301250	Pu-238				0.25	0.35	33	
4101-0175A-HD	8301250	Pu-239/240				-0.011 (U)	0.016 (U)	NA	
	8294147	Th-228				0.37 (J)	0.28 (J)	28	
	8294147	Th-230				1.45 (J)	1.23 (J)	16	
	8294147	Th-232				0.40 (J)	0.36 (J)	11	
	8294151	Uranium-233/234				0.72 (J)	0.54 (J)	29	
	8294151	Uranium-235/236				0.076 (U)	0.058 (U)	NA	

Table 17 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8J160124

			Laboratory Duplicate			Field Duplicate			Method Blank (pCi/g)
Field ID	Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD	CL: > RL (1 pCi/g)
	8294151	Uranium-238				0.60 (J)	0.55 (J)	9	
4102-0251A-HO	8301250	Pu-238				25.0	26.3	5	
4102-0251A-HD	8301250	Pu-239/240				0.20	0.092 (U)	NA	
	8294147	Th-228				2.10	1.97 (J)	6	
	8294147	Th-230				2.29	2.29	0	
	8294147	Th-232				1.80 (J)	1.69 (J)	6	
	8294151	Uranium-233/234				1.02 (J)	1.16 (J)	13	
	8294151	Uranium-235/236				0.10 (U)	0.047 (U)	NA	
	8294151	Uranium-238				0.88 (J)	0.94 (J)	7	

Note(s):
CL denotes control limit.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
MB denotes method blank.
NA denotes not applicable.
pCi/g denotes picoCurie(s) per gram.
Pu denotes plutonium.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 18
Gamma Spectroscopy Quality Control Review for Lot F8J160124

Batch	Field ID	Laboratory ID	LCS and Limits			MB (pCi/g) CL > RL	Det No.	Calibrations		
			Am-241 (90-110%)	Cs-137 (94-118%)	Co-60 (90-110%)			Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
8295358	(Laboratory LCS)	F8J210000-358C	100	110	101		6	Yes	Yes	Yes [a]
8295358	(Laboratory MB)	F8J210000-358B	100	110	101	ND	8	Yes	Yes	Yes [a]
8295358	4101-0121A-HO	F8J160124-001	100	110	101		1	Yes	Yes	Yes [a]
8295358	(Laboratory Dup)	F8J160124-001X	100	110	101		4	Yes	Yes	Yes [a]
8295358	4101-0129A-HO	F8J160124-002	100	110	101		2	Yes	Yes	Yes [a]
8295358	4101-0144A-HO	F8J160124-003	100	110	101		4	Yes	Yes	Yes [a]
8295358	4101-0148A-HO	F8J160124-004	100	110	101		1	Yes	Yes	Yes [a]
8295358	4101-0175A-HO	F8J160124-005	100	110	101		2	Yes	Yes	Yes [a]
8295358	4101-0175A-HD	F8J160124-006	100	110	101		1	Yes	Yes	Yes [a]
8295358	4101-0176A-HO	F8J160124-007	100	110	101		2	Yes	Yes	Yes [a]
8295358	4101-0185A-HO	F8J160124-008	100	110	101		1	Yes	Yes	Yes [a]
8295358	4101-0187B-HO	F8J160124-009	100	110	101		4	Yes	Yes	Yes [a]
8295358	4101-0210A-HO	F8J160124-010	100	110	101		2	Yes	Yes	Yes [a]
8295358	4101-0219A-HO	F8J160124-011	100	110	101		2	Yes	Yes	Yes [a]
8295358	4101-0221A-HO	F8J160124-012	100	110	101		4	Yes	Yes	Yes [a]
8295358	4102-0239A-HO	F8J160124-013	100	110	101		1	Yes	Yes	Yes [a]
8295358	4102-0251A-HO	F8J160124-014	100	110	101		2	Yes	Yes	Yes [a]
8295358	4102-0251A-HD	F8J160124-015	100	110	101		4	Yes	Yes	Yes [a]

Table 18 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F8J160124

Batch	Field ID	Laboratory ID	LCS and Limits			MB (pCi/g) CL > RL	Det No.	Calibrations		
			Am-241 (90-110%)	Cs-137 (94-118%)	Co-60 (90-110%)			Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
8295358	4102-0257A-HO	F8J160124-016	100	110	101		8	Yes	Yes	Yes [a]
8295358	4102-0272A-HO	F8J160124-017	100	110	101		7	Yes	Yes	Yes [a]
8295358	4102-0294A-HO	F8J160124-018	100	110	101		1	Yes	Yes	Yes [a]
8295358	4102-0312A-HO	F8J160124-019	100	110	101		8	Yes	Yes	Yes [a]
8295358	4102-0334A-HO	F8J160124-020	100	110	101		2	Yes	Yes	Yes [a]
8301288	(Laboratory LCS)	F8J270000-288C	107	104	102		8	Yes	Yes	Yes [a]
8301288	(Laboratory MB)	F8J270000-288B	107	104	102	ND	7	Yes	Yes	Yes [a]
8301288	4102-0336A-HO	F8J160124-021	107	104	102		2	Yes	Yes	Yes [a]
8301288	(Laboratory Dup)	F8J160124-021X	107	104	102		8	Yes	Yes	Yes [a]

Laboratory Duplicate					Field Duplicate				
Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)
4101-0121A-HO	Actinium-228	0.30	0.30	1	4101-0175A-HO/	Bi-214	0.43	0.37	15
(F8J160124-001X)	Bismuth-214	0.61	0.59	4	4101-0175A-HD	Ra-226	0.43	0.37	15
	Radium-226	0.61	0.59	4		Pb-212	0.215	0.157	31
	Lead-212	0.45	0.44	2		Pb-214	0.335	0.351	5
	Lead-214	0.47	0.57	20		K-40	6.6	7.8	17

Table 18 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F8J160124

Laboratory Duplicate					Field Duplicate				
Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)
	Potassium-40	10.5	8.4	22		Tl-208	0.081	0.069	16
	Thallium-208	0.237	0.221	7					
4102-0336A-HO	Actinium-228	1.89	2.03	7	4102-0251A-HO/	Actinium-228	1.15	0.71	47
(F8J160124-021X)	Bismuth-214	0.84	0.72	16	4102-0251A-HD	Bismuth-214	0.73	0.62	16
	Radium-226	0.84	0.72	16		Radium-226	0.73	0.62	16
	Bismuth-212	1.32	1.97	39		Lead-212	0.98	0.77	24
	Lead-212	1.82	1.89	4		Lead-214	0.48	0.51	6
	Lead-214	0.76	0.75	1		Potassium-40	8.9	11.3	24
	Potassium-40	10.8	8.8	20		Thallium-208	0.317	0.37	15
	Thallium-208	0.72	0.70	4					

Note(s):

[a] *Efficiency raw data not included in package.*

Am denotes americium.
Co denotes cobalt.
Det No. denotes detector number.
ID denotes identifier.
MB denotes method blank.
pCi/g denotes picoCurie(s) per gram.
RPD denotes relative percent difference.
CL denotes control limit.
Cs denotes cesium.
Dup denotes duplicate.
LCS denotes laboratory control sample.
ND denotes dot detected.
RL denotes reporting limit.

Table 19
Package Completeness Checklist for Lot F8K040166

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 20
Alpha Spectroscopy Quality Control Review for Lot F8K040166

Lot F8K040166		Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Th Batch	Uranium Batch	Field ID	Laboratory ID	Det No. Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8310181	NA	(Laboratory LCS)	F8K050000-181C	68	Yes	86	NA	101	NA	NA
8310181	NA	(Laboratory MB)	F8K050000-181B	67	Yes	83	NA	101	NA	NA
NA	8310190	(Laboratory LCS)	F8K050000-190C	55	Yes	NA	46	NA	100	90
NA	8310190	(Laboratory MB)	F8K050000-190B	54	Yes	NA	83	NA	100	90
8310181	8310190	4101-0136A-HO	F8K040166-001	1 / 4	Yes	72	77	101	100	90
8310181	8310190	(Laboratory Dup)	F8K040166-001X	3 / 6	Yes	78	93	101	100	90
8310181	8310190	4101-0137A-HO	F8K040166-002	4 / 7	Yes	77	83	101	100	90
8310181	8310190	4101-0138A-HO	F8K040166-003	6 / 8	Yes	78	81	101	100	90
8310181	8310190	4101-0139A-HO	F8K040166-004	7 / 9	Yes	83	82	101	100	90
8310181	8310190	4101-0147A-HO	F8K040166-005	8 / 10	Yes	92	90	101	100	90
8310181	8310190	4101-0149C-HO	F8K040166-006	9 / 11	Yes	81	81	101	100	90
8310181	8310190	4101-0150A-HO	F8K040166-007	10 / 12	Yes	85	88	101	100	90
8310181	8310190	4101-0151A-HO	F8K040166-008	11 / 15	Yes	89	88	101	100	90
8310181	8310190	4101-0152A-HO	F8K040166-009	12 / 16	Yes	79	90	101	100	90
8310181	8310190	4101-0158B-HO	F8K040166-010	15 / 21	Yes	83	90	101	100	90
8310181	8310190	4101-0159B-HO	F8K040166-011	16 / 22	Yes	82	91	101	100	90
8310181	8310190	4101-0153A-HO	F8K040166-012	21 / 24	Yes	87	88	101	100	90

Table 20 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K040166

Lot F8K040166		Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Th Batch	Uranium Batch	Field ID	Laboratory ID	Det No. Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8310181	8310190	4101-0160A-HO	F8K040166-013	22 / 52	Yes	72	88	101	100	90
8310181	8310190	4101-0161A-HO	F8K040166-014	24 / 53	Yes	84	94	101	100	90
8310181	8310190	4101-0162B-HO	F8K040166-015	47 / 58	Yes	87	82	101	100	90
8310181	8310190	4101-0163A-HO	F8K040166-016	52 / 74	Yes	90	89	101	100	90
8310181	8310190	4101-0173B-HO	F8K040166-017	53 / 1	Yes	85	86	101	100	90
8310181	8310190	4101-0174A-HO	F8K040166-018	58 / 3	Yes	47	83	101	100	90
8310181	8310190	4102-0246A-HO	F8K040166-019	73 / 4	Yes	86	91	101	100	90
8310181	8310190	4102-0268A-HO	F8K040166-020	74 / 6	Yes	85	87	101	100	90
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Field ID	Batch	Laboratory Duplicate				Field Duplicate			Method Blank
		Isotope	Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: < RL
4101-0136A-HO	8310181	Th-228	1.25 (J)	1.29 (J)	3	NA	NA	NA	U
(F8K040166-001X)	8310181	Th-230	1.41 (J)	1.14 (J)	21				J
	8310181	Th-232	1.08 (J)	1.28 (J)	17				U
	8310190	Uranium-233/234	0.87 (J)	0.67 (J)	26				U

Table 20 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K040166

Field ID	Batch	Laboratory Duplicate				Field Duplicate			Method Blank
		Isotope	Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: < RL
	8310190	Uranium-235/236	0.080 (U)	0.060 (U)	27				U
	8310190	Uranium-238	1.03 (J)	0.86 (J)	18				U

Note(s):
CL denotes control limit.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
MB denotes Method Blank.
NA denotes not applicable.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 21
Package Completeness Checklist for Lot F8K040169

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 22
Alpha Spectroscopy Quality Control Review for Lot F8K040169

Lot F8K040169		Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
				Det No.						
Th Batch	Uranium Batch	Field ID	Laboratory ID	Th-Uranium	Pass	Th-229 (30-110%)	Uranium -232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8310187	NA	(Laboratory LCS)	F8K050000-187C	98	Yes	88	NA	111	NA	NA
8310187	NA	(Laboratory MB)	F8K050000-187B	97	Yes	85	NA	111	NA	NA
NA	8310191	(Laboratory LCS)	F8K050000-191C	55	Yes	NA	97	NA	92	100
NA	8310191	(Laboratory MB)	F8K050000-191B	54	Yes	NA	86	NA	92	100
8310187	8310191	4101-0171B-HO	F8K040169-001	7 / 12	Yes	80	93	111	92	100
8310187	8310191	(Laboratory Dup)	F8K040169-001X	8 / 15	Yes	73	84	111	92	100
8310187	8310191	4101-0172C-HO	F8K040169-002	9 / 16	Yes	77	92	111	92	100
8310187	8310191	4101-0182A-HO	F8K040169-003	10 / 21	Yes	80	94	111	92	100
8310187	8310191	4101-0183B-HO	F8K040169-004	11 / 22	Yes	79	91	111	92	100
8310187	8310191	4101-0184B-HO	F8K040169-005	12 / 24	Yes	78	86	111	92	100
8310187	8310191	4101-0186A-HO	F8K040169-006	15 / 74	Yes	87	94	111	92	100
8310187	8310191	4101-0193B-HO	F8K040169-007	16 / 1	Yes	87	94	111	92	100
8310187	8310191	4101-0194B-HO	F8K040169-008	21 / 3	Yes	77	92	111	92	100
8310187	8310191	4101-0195A-HO	F8K040169-009	22 / 4	Yes	88	90	111	92	100
8310187	8310191	4101-0196A-HO	F8K040169-010	24 / 6	Yes	90	91	111	92	100
8310187	8310191	4101-0202B-HO	F8K040169-011	74 / 7	Yes	81	84	111	92	100
8310187	8310191	4101-0203B-HO	F8K040169-012	1 / 8	Yes	84	93	111	92	100

Table 22 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K040169

Lot F8K040169		Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
				Det No.						
Th Batch	Uranium Batch	Field ID	Laboratory ID	Th-Uranium	Pass	Th-229 (30-110%)	Uranium -232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8310187	8310191	4101-0204A-HO	F8K040169-013	3 / 9	Yes	83	94	111	92	100
8310187	8310191	4101-0209A-HO	F8K040169-014	4 / 10	Yes	77	93	111	92	100
8310187	8310191	4101-0215A-HO	F8K040169-015	6 / 11	Yes	88	89	111	92	100
8310187	8310191	4101-0216A-HO	F8K040169-016	7 / 12	Yes	88	85	111	92	100
8310187	8310191	4101-0217A-HO	F8K040169-017	8 / 15	Yes	76	90	111	92	100
8310187	8310191	4102-0290A-HO	F8K040169-018	9 / 16	Yes	89	87	111	92	100
8310187	8310191	4102-0311A-HO	F8K040169-019	10 / 21	Yes	86	88	111	92	100
8310187	8310191	4102-0332A-HO	F8K040169-020	11 / 22	Yes	84	93	111	92	100
				Monthly Background	Yes					
				Monthly Calibration	Yes					

		Laboratory Duplicate				Field Duplicate			MB
Field ID	Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	CL: < RL (1 pCi/g)
4101-0171B-HO	8310187	Th-228	1.53 (J)	1.31 (J)	15	NA	NA	NA	U
(F8K040169001X)	8310187	Th-230	1.23 (J)	1.51 (J)	20				J
	8310187	Th-232	1.54 (J)	1.27 (J)	19				U
	8310191	Uranium-233/234	0.91 (J)	1.05 (J)	15				U

Table 22 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K040169

		Laboratory Duplicate				Field Duplicate			MB
Field ID	Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	CL: < RL (1 pCi/g)
	8310191	Uranium-235/236	0.072 (J)	0.0 (U)	NC				U
	8310191	Uranium-238	0.70 (J)	0.86 (J)	20				U

Note(s):
CL denotes control limit.
Det No. denotes detector number.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
NA denotes not applicable.
pCi/g denotes picoCurie(s) per gram.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 23
Package Completeness Checklist for Lot F8K050128

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 24
Alpha Spectroscopy Quality Control Review for Lot F8K050128

Th Batch	Uranium Batch	Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8311330	NA	(Laboratory LCS)	F8K060000-330C	68	Yes	79	NA	111	NA	NA
8311330	NA	(Laboratory MB)	F8K060000-330B	67	Yes	88	NA	111	NA	NA
NA	8311332	(Laboratory LCS)	F8K060000-332C	68	Yes	NA	89	NA	98	97
NA	8311332	(Laboratory MB)	F8K060000-332B	67	Yes	NA	96	NA	98	97
8311330	8311332	4101-0178B-HO	F8K050128-001	19 / 24	Yes	79	85	111	98	97
8311330	8311332	(Laboratory Dup)	F8K050128-001X	21 / 52	Yes	81	90	111	98	97
8311330	8311332	4101-0179B-HO	F8K050128-002	22 / 53	Yes	97	84	111	98	97
8311330	8311332	4101-0180A-HO	F8K050128-003	24 / 58	Yes	84	87	111	98	97
8311330	8311332	4101-0181A-HO	F8K050128-004	52 / 74	Yes	89	89	111	98	97
8311330	8311332	4101-0188B-HO	F8K050128-005	53 / 1	Yes	82	91	111	98	97
8311330	8311332	4101-0189B-HO	F8K050128-006	74 / 3	Yes	86	91	111	98	97
8311330	8311332	4101-0190A-HO	F8K050128-007	1 / 4	Yes	84	90	111	98	97
8311330	8311332	4101-0191A-HO	F8K050128-008	3 / 6	Yes	86	89	111	98	97
8317538	NA	(Laboratory LCS)	F8K120000-538C	54	Yes	83/81	NA	88 / 101	NA	NA
8317538	NA	(Laboratory MB)	F8K120000-538B	14	Yes	78	NA	88 / 101	NA	NA
8317538	8311332	4101-0197B-HO	F8K050128-009	4 / 7	Yes	84	92	88 / 101	98	97
8317538	8311332	4101-0198A-HO	F8K050128-010	6 / 8	Yes	82	84	88 / 101	98	97

Table 24 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K050128

Th Batch	Uranium Batch	Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
				Det No.						
		Field ID	Laboratory ID	Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8311330	8311332	4101-0199A-HO	F8K050128-011	7 / 22	Yes	83	96	111	98	97
8311330	8311332	4101-0200A-HO	F8K050128-012	8 / 24	Yes	77	94	111	98	97
8311330	8311332	4101-0205B-HO	F8K050128-013	9 / 52	Yes	88	94	111	98	97
8311330	8311332	4101-0206A-HO	F8K050128-014	10 / 53	Yes	87	88	111	98	97
8311330	8311332	4101-0207A-HO	F8K050128-015	11 / 74	Yes	84	91	111	98	97
8311330	8311332	4101-0208A-HO	F8K050128-016	12 / 1	Yes	90	88	111	98	97
8311330	8311332	4101-0213A-HO	F8K050128-017	15 / 3	Yes	86	92	111	98	97
8311330	8311332	4101-0213A-HD	F8K050128-018	16 / 4	Yes	88	89	111	98	97
8311330	8311332	4101-0214A-HO	F8K050128-019	19 / 6	Yes	80	90	111	98	97
8311330	8311332	4101-0220A-HO	F8K050128-020	21 / 7	Yes	90	95	111	98	97
Monthly Background				Yes						
Monthly Calibration				Yes						

Table 24 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K050128

Laboratory Duplicate (4101-0178B-HO)					Field Duplicate (4101-0213A-HO/4101-0213A-HD)				Method Blank
Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	CL: < RL (1 pCi/g)
8311330	Th-228	1.05 (J)	1.02 (J)	3	Th-228	0.19 (J)	0.32 (J)	51	U
	Th-230	1.49 (J)	1.74 (J)	16	Th-230	0.90 (J)	0.93 (J)	3	0.205J
	Th-232	1.14 (J)	1.19 (J)	4	Th-232	0.31 (J)	0.22 (J)	34	U
8311332	Uranium-233/234	0.93 (J)	0.67 (J)	33	Uranium-233/234	0.62 (J)	0.49 (J)	23	U
	Uranium-235/236	0.027 (U)	0.020 (U)	NC	Uranium-235/236	0.016 (U)	0.070 (U)	NC	U
	Uranium-238	1.00 (J)	0.64 (J)	44	Uranium-238	0.48 (J)	0.47 (J)	2	U

Note(s):
CL denotes control limit.
Det No. denotes detector number.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
NA denotes not applicable.
NC denotes not calculated.
pCi/g denotes picoCurie(s) per gram.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 25
Package Completeness Checklist for Lot F8K050136

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 26
Alpha Spectroscopy Quality Control Review for Lot F8K050136

Th Batch	Uranium Batch	Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
				Det No.						
		Field ID	Laboratory ID	Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8312145	NA	(Laboratory LCS)	F8K070000-145C	61	Yes	69	NA	105	NA	NA
8312145	NA	(Laboratory MB)	F8K070000-145B	60	Yes	48	NA	105	NA	NA
NA	8312149	(Laboratory LCS)	F8K070000-149C	61	Yes	NA	80	NA	95	95
NA	8312149	(Laboratory MB)	F8K070000-149B	60	Yes	NA	96	NA	95	95
8312145	8312149	4101-0118A-HO	F8K050136-001	7 / 3	Yes	84	85	105	95	95
8312145	8312149	(Laboratory Dup)	F8K050136-001X	8 / 4	Yes	63	85	105	95	95
8312145	8312149	4101-0119A-HO	F8K050136-002	9 / 6	Yes	75	92	105	95	95
8312145	8312149	4101-0120A-HO	F8K050136-003	10 / 7	Yes	81	86	105	95	95
8312145	8312149	4101-0127A-HO	F8K050136-004	11 / 8	Yes	83	74	105	95	95
8312145	8312149	4101-0125A-HO	F8K050136-005	12 / 9	Yes	61	94	105	95	95
8312145	8312149	4101-0128A-HO	F8K050136-006	15 / 10	Yes	69	88	105	95	95
8312145	8312149	4101-0130A-HO	F8K050136-007	16 / 11	Yes	78	81	105	95	95
8312145	8312149	4101-0131A-HO	F8K050136-008	19 / 12	Yes	77	82	105	95	95
8312145	8312149	4101-0140A-HO	F8K050136-009	21 / 15	Yes	77	88	105	95	95
8312145	8312149	4101-0141B-HO	F8K050136-010	22 / 16	Yes	52	86	105	95	95
8312145	8312149	4101-0142A-HO	F8K050136-011	24 / 19	Yes	84	91	105	95	95
8312145	8312149	4101-0146B-HO	F8K050136-012	47 / 21	Yes	90	88	105	95	95
8312145	8312149	4101-0170B-HO	F8K050136-013	52 / 22	Yes	87	85	105	95	95

Table 26 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K050136

Th Batch	Uranium Batch	Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
				Det No.						
		Field ID	Laboratory ID	Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8312145	8312149	4101-0192B-HO	F8K050136-014	53 / 24	Yes	71	58	105	95	95
8312145	8312149	4101-0201-HO	F8K050136-015	74 / 47	Yes	78	90	105	95	95
8312145	8312149	4101-0218A-HO	F8K050136-016	1 / 52	Yes	78	88	105	95	95
8312145	8312149	4101-0222A-HO	F8K050136-017	3 / 53	Yes	85	88	105	95	95
8312145	8312149	4101-0223A-HO	F8K050136-018	4 / 74	Yes	79	95	105	95	95
8312145	8312149	4101-0224A-HO	F8K050136-019	6 / 1	Yes	86	91	105	95	95
8312145	8312149	4101-0225A-HO	F8K050136-020	7 / 3	Yes	82	86	105	95	95
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Laboratory Duplicate (4101-0118A-HO)					Field Duplicate				Method Blank CL: < RL (1 pCi/g)
Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	
8312145	Th-228	0.93 (J)	0.46 (J)	67	NA	NA	NA	NA	U
8312145	Th-230	1.36 (J)	0.97 (J)	34					0.101J
8312145	Th-232	0.63 (J)	0.78 (J)	20					U
8312149	Uranium-233/234	0.73 (J)	0.87 (J)	17					U

Table 26 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K050136

Laboratory Duplicate (4101-0118A-HO)					Field Duplicate				Method Blank CL: < RL (1 pCi/g)
Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	
8312149	Uranium-235/236	0.017 (U)	0.046 (U)	NC					U
8312149	Uranium-238	0.75 (J)	0.69 (J)	9					U

Note(s):

CL denotes control limit.

Det No. denotes detector number.

ID denotes identifier.

J denotes result is greater than sample detection limit but less than stated reporting limit.

LCS denotes laboratory control sample.

NA denotes not applicable.

pCi/g denotes picoCurie(s) per gram.

RL denotes reporting limit.

RPD denotes relative percent difference.

Th denotes thorium.

U denotes result is less than the sample detection limit.

Table 27
Package Completeness Checklist for Lot F8K050138

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 28
Alpha Spectroscopy Quality Control Review for Lot F8K050138

Th Batch	Uranium Batch	Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8311538	NA	(Laboratory LCS)	F8K060000-538C	55	Yes	93	NA	99	NA	NA
8311538	NA	(Laboratory MB)	F8K060000-538B	54	Yes	71	NA	99	NA	NA
NA	8311540	(Laboratory LCS)	F8K060000-540C	11	Yes	NA	89	NA	98	82
NA	8311540	(Laboratory MB)	F8K060000-540B	10	Yes	NA	75	NA	98	82
8311538	8311540	4101-0122A-HO	F8K050138-001	12 / 22	Yes	82	94	99	98	82
8311538	8311540	(Laboratory Dup)	F8K050138-001X	15 / 24	Yes	82	89	99	98	82
8311538	8311540	4101-0123A-HO	F8K050138-002	16 / 52	Yes	80	91	99	98	82
8311538	8311540	4101-0124A-HO	F8K050138-003	19 / 53	Yes	87	87	99	98	82
8311538	8311540	4101-0126B-HO	F8K050138-004	21 / 74	Yes	89	90	99	98	82
8311538	8311540	4101-0132A-HO	F8K050138-005	22 / 1	Yes	90	84	99	98	82
8311538	8311540	4101-0133A-HO	F8K050138-006	24 / 3	Yes	85	79	99	98	82
8311538	8311540	4101-0134A-HO	F8K050138-007	47 / 4	Yes	87	84	99	98	82
8311538	8311540	4101-0135A-HO	F8K050138-008	52 / 6	Yes	89	91	99	98	82
8311538	8311540	4101-0143A-HO	F8K050138-009	53 / 7	Yes	85	84	99	98	82
8311538	8311540	4101-0145B-HO	F8K050138-010	74 / 8	Yes	89	93	99	98	82
8311538	8311540	4101-0154A-HO	F8K050138-011	54 / 10	Yes	78	91	99	98	82
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Table 28 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K050138

Laboratory Duplicate (4101-0122A-HO)					Field Duplicate				Method Blank CL: < RL (1 pCi/g)
Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	
8311538	Th-228	0.64 (J)	0.72 (J)	12		NA	NA	NA	U
8311538	Th-230	1.26 (J)	1.10 (J)	14	Th-230				0.075 J
8311538	Th-232	0.81 (J)	0.64 (J)	24					U
8311540	Uranium-233/234	0.61 (J)	0.92 (J)	40					U
8311540	Uranium-235/236	0.042 (U)	0.0 (U)	NC					U
8311540	Uranium-238	0.45 (J)	0.55 (J)	19					U

Th Batch	Uranium Batch	Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8311539	NA	(Laboratory LCS)	F8K060000-539C	68	Yes	92	NA	108	NA	NA
8311539	NA	(Laboratory MB)	F8K060000-539B	67	Yes	80	NA	108	NA	NA
NA	8311545	(Laboratory LCS)	F8K060000-545C	54	Yes	NA	92	NA	95	95
NA	8311545	(Laboratory MB)	F8K060000-545B	14	Yes	NA	75	NA	95	95
8311539	8311545	4101-0155B-HO	F8K050138-012	8 / 1	Yes	84	79	108	95	95
8311539	8311545	(Laboratory Dup)	F8K050138-012X	22 / 3	Yes	81	79	108	95	95
8311539	8311545	4101-0156B-HO	F8K050138-013	24 / 4	Yes	74	75	108	95	95

Table 28 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K050138

Th Batch	Uranium Batch	Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8311539	8311545	4101-0156B-HD	F8K050138-014	52 / 6	Yes	80	87	108	95	95
8311539	8311545	4101-0157B-HO	F8K050138-015	53 / 7	Yes	79	84	108	95	95
8311539	8311545	4101-0164A-HO	F8K050138-016	74 / 8	Yes	89	90	108	95	95
8311539	8311545	4101-0167A-HO	F8K050138-017	1 / 9	Yes	81	86	108	95	95
8311539	8311545	4101-0165A-HO	F8K050138-018	3 / 10	Yes	76	87	108	95	95
8311539	8311545	4101-0166A-HO	F8K050138-019	4 / 11	Yes	82	85	108	95	95
8311539	8311545	4101-0168B-HO	F8K050138-020	6 / 12	Yes	89	82	108	95	95
8311539	8311545	4101-0169B-HO	F8K050138-021	7 / 15	Yes	85	79	108	95	95
8311539	8311545	4101-0177B-HO	F8K050138-022	8 / 16	Yes	76	87	108	95	95
				Monthly Backgrounds	Yes					
				Monthly Calibrations	Yes					

Laboratory Duplicate (4101-0155B-HO)					Field Duplicate (4101-0156B-HO/4101-0156B-HD)				Method Blank CL: < RL (1 pCi/g)
Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	
8311539	Th-228	1.19 (J)	1.40 (J)	16	Th-228	1.14 (J)	1.16 (J)	2	U
8311539	Th-230	1.10 (J)	0.93 (J)	17	Th-230	1.19 (J)	1.02 (J)	15	0.065 J
8311539	Th-232	1.47 (J)	1.13 (J)	26	Th-232	0.81 (J)	1.02 (J)	23	U

Table 28 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K050138

Laboratory Duplicate (4101-0155B-HO)					Field Duplicate (4101-0156B-HO/4101-0156B-HD)				Method Blank CL: < RL (1 pCi/g)
Batch	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	
8311545	Uranium-233/234	0.48 (J)	0.70 (J)	37	Uranium-233/234	0.97 (J)	0.78 (J)	22	0.060 J
8311545	Uranium-235/236	-0.011 (U)	0.018 (U)	NC	Uranium-235/236	0.053 (U)	0.066 (U)	NC	U
8311545	Uranium-238	0.71 (J)	0.75 (J)	5	Uranium-238	0.76 (J)	0.92 (J)	19	U

Note(s):

CL denotes control limit.

Det No. denotes detector number.

ID denotes identifier.

J denotes result is greater than sample detection limit but less than stated reporting limit.

LCS denotes laboratory control sample.

NA denotes not applicable.

NC denotes not calculated.

pCi/g denotes picoCurie(s) per gram.

RL denotes reporting limit.

RPD denotes relative percent difference.

Th denotes thorium.

U denotes result is less than the sample detection limit.

Table 29
Package Completeness Checklist for Lot F8K120251

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 30
Alpha Spectroscopy Quality Control Review for Lot F8K120251

Th Batch	Uranium Batch	Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Th	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-120%)	Uranium-234 (70-122%)	Uranium-238 (69-119%)
8318088	NA	(Laboratory LCS)	F8K130000-088C	55	Yes	76	NA	106	NA	NA
8318088	NA	(Laboratory MB)	F8K130000-088B	54	Yes	74	NA	106	NA	NA
8318088	NA	4102-0336A-HO	F8K120251-001	1	Yes	83	NA	106	NA	NA
8318088	NA	(Laboratory Dup)	F8K120251-001X	3	Yes	74	NA	106	NA	NA
				Monthly Backgrounds	Yes					
				Monthly Calibrations	Yes					

Batch	Laboratory Duplicate (4102-0336A-HO)				Field Duplicate				Method Blank CL: < RL (1 pCi/g)
	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	
8318088	Th-228	2.94	3.37	14		NA	NA	NA	U
8318088	Th-230	1.70 (J)	1.38 (J)	20					0.073 J
8318088	Th-232	3.07	3.15	3					U

Note(s):
CL denotes control limit.
ID denotes identifier.
LCS denotes laboratory control sample.
pCi/g denotes picoCurie(s) per gram.
RPD denotes relative percent difference.
U denotes result is less than the sample detection limit.
Det No. denotes detector number.
J denotes result is greater than sample detection limit but less than stated reporting limit.
NA denotes not applicable.
RL denotes reporting limit.
Th denotes thorium.

Table 31
Package Completeness Checklist for Lot F8K260192

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	Sample Temperature 2° Centigrade
Communication records	no	

Table 32
Alpha Spectroscopy Quality Control Review for Lot F8K260192

		Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Pu Batch	Th Batch	Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (82-117%)	Pu-239 (91-112%)	Th-230 (83-120%)
8336076	NA	(Laboratory LCS)	F8L010000-076C	14	Yes	94	NA	91	96	NA
8336076	NA	(Laboratory MB)	F8L010000-076B	80	Yes	90	NA	91	96	NA
NA	8343593	(Laboratory LCS)	F8L080000-593C	52	Yes	NA	97	NA	NA	99
NA	8343593	(Laboratory MB)	F8L080000-593B	14	Yes	NA	85	NA	NA	99
8336076	8343593	4101-0132B-HO	F8K260192-001	1 / 74	Yes	87	89	91	96	99
8336076	8343593	(Laboratory Dup)	F8K260192-001X	3 / 9	Yes	77	98	91	96	99
8336076	8343593	4101-0142B-HO	F8K260192-002	4 / 10	Yes	82	85	91	96	99
8336076	8343593	4101-0148B-HO	F8K260192-003	6 / 11	Yes	92	95	91	96	99
8336076	8343593	4101-0151B-HO	F8K260192-004	7 / 12	Yes	88	78	91	96	99
8336076	8343593	4101-0160B-HO	F8K260192-005	8 / 16	Yes	90	93	91	96	99
8336076	8343593	4101-0176B-HO	F8K260192-006	9 / 21	Yes	88	82	91	96	99
8336076	8343593	4101-0210B-HO	F8K260192-007	10 / 22	Yes	94	86	91	96	99
8336076	8343593	4101-0211B-HO	F8K260192-008	11 / 24	Yes	85	84	91	96	99
8336076	8343593	4101-0212B-HO	F8K260192-009	15 / 62	Yes	90	90	91	96	99
8336076	8343593	4101-0311B-HO	F8K260192-010	16 / 65	Yes	91	93	91	96	99
8336076	8343593	441-0166	F8K260192-011	19 / 73	Yes	90	86	91	96	99

Table 32 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K260192

		Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Pu Batch	Th Batch	Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (82-117%)	Pu-239 (91-112%)	Th-230 (83-120%)
8336076	8343593	441-0167	F8K260192-012	21 / 74	Yes	102	81	91	96	99
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Field ID	Batch	Isotope	Laboratory Duplicate			Field Duplicate			Method Blank (pCi/g) CL: > RL
			Value 1	Value 2	RPD	Value 1	Value 2	RPD	
4101-0132B-HO	8336076	Pu-238	1.80	2.04	12	NA	NA	NA	U
(F8K260192-001)	8336076	Pu-239/240	0.025 (U)	0.022 (U)	NA	NA	NA	NA	U
	8343593	Th-228	0.49	0.45	9	NA	NA	NA	U
	8343593	Th-230	0.92	0.80	13	NA	NA	NA	J
	8343593	Th-232	0.58	0.33	55	NA	NA	NA	U

Uranium			Daily Pulser		Tracer Yield and Limits	LCS and Limits	
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	U-232 (30-110%)	U-234 (70-122%)	U-238 (69-119%)
8336080	(Laboratory LCS)	F8L010000-080C	52 [a]	Yes	70	116	96

Table 32 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K260192

Uranium			Daily Pulser		Tracer Yield and Limits	LCS and Limits	
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	U-232 (30-110%)	U-234 (70-122%)	U-238 (69-119%)
8336080	(Laboratory MB)	F8L010000-080B	14 [a]	Yes	85	116	96
8336080	4101-0132B-HO	F8K260192-001	22	Yes	90	116	96
8336080	(Laboratory Dup)	F8K260192-001X	24	Yes	92	116	96
8336080	4101-0142B-HO	F8K260192-002	47	Yes	99	116	96
8336080	4101-0148B-HO	F8K260192-003	53	Yes	85	116	96
8336080	4101-0151B-HO	F8K260192-004	62	Yes	91	116	96
8336080	4101-0160B-HO	F8K260192-005	9 [a]	Yes	100	116	96
8336080	4101-0176B-HO	F8K260192-006	10 [a]	Yes	83	116	96
8336080	4101-0210B-HO	F8K260192-007	11 [a]	Yes	99	116	96
8336080	4101-0211B-HO	F8K260192-008	15 [a]	Yes	95	116	96
8336080	4101-0212B-HO	F8K260192-009	16 [a]	Yes	99	116	96
8336080	4101-0311B-HO	F8K260192-010	19 [a]	Yes	76	116	96
8336080	441-0166	F8K260192-011	21 [a]	Yes	90	116	96
8336080	441-0167	F8K260192-012	22 [a]	Yes	88	116	96
			Monthly Background	Yes			
			Monthly Calibration	Yes			

Table 32 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8K260192

Field ID	Batch	Isotope	Laboratory Duplicate			Field Duplicate			Method Blank (pCi/g) CL: > RL
			Value 1	Value 2	RPD	Value 1	Value 2	RPD	
4101-0121A-HO	8336080	Uranium-233/234	0.81	0.79	3	NA	NA	NA	U
(F8K260192-001)	8336080	Uranium-235	0.036 (U)	0.033 (U)	NA	NA	NA	NA	U
	8336080	Uranium-238	0.77	0.67	13	NA	NA	NA	U

Note(s):

[a] *Pulser checks were not included in data package.*

CL denotes control limit.

Det No. denotes detector number.

Dup denotes duplicate.

ID denotes identifier.

J denotes result is greater than sample detection limit but less than stated reporting limit.

LCS denotes laboratory control sample.

MB denotes method blank.

NA denotes not applicable.

pCi/g denotes picoCurie(s) per gram.

Pu denotes plutonium.

RL denotes reporting limit.

RPD denotes relative percent difference.

Th denotes thorium.

U denotes result is less than the sample detection limit.

Table 33
Results of Review of Package Lot F8K260192 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings		
			Field ID (A-HO suffix)	Laboratory ID	%R
Soils	Surrogate (DCB)	57-150%	No sample outliers		
	ICAL	≤20% RSD	acceptable		
	CCV	<15% D	acceptable		
	LCS		LCS %R	LCSD %R	RPD
	LCS/LCSD-Ar 1016	76-133%; 20% RPD	117	NA	NA
	LCS/LCSD-Ar 1260	78-131%; 20% RPD	117	NA	NA
	Method Blank	<RL (33 µg/kg)	ND		
			MS %R	MSD %R	RPD
	MS/MSD-Ar 1016	53-150%, 30% RPD	95	108	13
	MS/MSD-Ar 1260	38-150%, 30% RPD	107	113	6.1
	Field duplicate		NA		

Note(s):
Due to dilution, the surrogates were diluted to below reliable detection.
%R denotes percent recovery.
µg/kg denotes microgram(s) per kilogram.
Ar denotes Aroclor.
CCV denotes continuing calibration verification.
DCB denotes dichlorobenzene.
ICAL denotes initial calibration.
ID denotes identifier.
LCS denotes laboratory control sample.
LCSD denotes laboratory control sample duplicate.
MS denotes matrix spike.
MSD denotes matrix spike duplicate.
NA denotes not applicable.
ND denotes not detected.
QA denotes quality assurance.
QC denotes quality control.
RPD denotes relative percent difference.
RSD denotes relative standard deviation.

Table 34
Package Completeness Checklist for Lot F8L090228

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 4 degrees Centigrade

Table 35
Results of Review of Package Lot F8L090228 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Field ID (A-HO suffix)
Soils	Surrogate (DCB)	57-150%	No sample outliers
	ICAL	≤20% RSD	
	CCV	<15% difference	
	LCS		LCS %R
	LCS/LCSD-Ar 1016	76-133%; 20% RPD	117
	LCS/LCSD-Ar 1260	78-131%; 20% RPD	121
	Method Blank	<RL (33 µg/kg)	ND
	MS/MSD		MS %R
	MS/MSD-Ar 1016	53-150%, 30% RPD	1110 [a]
	MS/MSD-Ar 1260	38-150%, 30% RPD	372 [a]
	Field Duplicate	50 % RPD	Value 1
	4102-0308A-HO,HD	Aroclor 1260	110

Note(s):
%R denotes percent recovery.
µg/kg denotes microgram(s) per kilogram.
Ar denotes Aroclor.
CCV denotes continuing calibration verification.
DCB denotes dichlorobenzene.
ICAL denotes initial calibration.
ID denotes identifier.
LCS denotes laboratory control sample.
LCSD denotes laboratory control sample duplicate.
MS denotes matrix spike.
MSD denotes matrix spike duplicate.
NA denotes not applicable.
ND denotes not detected.
QA denotes quality assurance.
QC denotes quality control.
RL denotes reporting limit.
RPD denotes relative percent difference.
RSD denotes relative standard deviation.

Table 36
Polychlorinated Biphenyl Confirmations – Lot F8L090228

Laboratory ID / Client ID	Column A Value 1 (µg/kg)	Column B Value 2 (µg/kg)	% Diff	Acceptable? (<40%)	Lowest Value Moisture Corrected (µg/kg)	
F8L090228(2):4102-0308A-HO	Aroclor 1260					
	96.48	109.7	12.82	Yes	109.4	110
F8L090228(7):4102-0329A-HO	Aroclor 1248					
	65.11	56.94	13.39	Yes	64.2	73
F8L090228(17):4102-0300A-HO	Aroclor 1248					
	206.5	242.4	15.99	Yes	241.8	240
F8L090228(18):4102-0286A-HO	Aroclor 1248					
	401.1	387.5	3.45	Yes	454.8	470
F8L090228(20):4102-0288A-HO	Aroclor 1248					
	227.8	232.2	1.91	Yes	260.6	260

Note(s):

All laboratory results were reported from column A. Column B used for confirmation only.

µg/kg denotes microgram(s) per kilogram.

Diff denotes difference.

ID denotes identifier.

Table 37
Package Completeness Checklist for Lot F8L090224

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 4 degrees Centigrade
Communication records	yes	

Table 38
Results of Review of Package F8L090224 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings		
			Field ID	Laboratory ID	%R
	Surrogate (DCB)	57-150%	4102-0267A-HO	F8L090224-008	156[a]
Soils	ICAL	Acceptable			
	CCAL	Acceptable			
			LCS %R	LCSD %R	RPD
	LCS/LCSD-Ar 1016	76-133%; 20% RPD	110	NA	NA
	LCS/LCSD-Ar 1260	78-131%; 20% RPD	117	NA	NA
	Method Blank	<RL (33 µg/kg)	ND		
			MS %R	MSD %R	RPD
	MS/MSD-Ar 1016	53-150%, 30% RPD	103	108	4.8
	MS/MSD-Ar 1260	38-150%, 30% RPD	109	111	1.9
	Field Duplicate	50 % RPD	Value 1	Value 2	RPD
	4102-0289A-HO,HD	Aroclor 1248	220	270	20.4

Note(s):

[a] *Sample surrogate recovery was high for the above sample. The laboratory attributed the high recovery to matrix interference and took no action. The sample was analyzed at a 1:4 dilution due to high concentrations of target analytes. The reporting limits were adjusted only for those targets reported from the dilution run (Aroclor 1248).*

%R denotes percent recovery.

µg/kg denotes microgram(s) per kilogram.

Ar denotes Aroclor.

CCAL denotes continued calibration.

DCB denotes dichlorobenzene.

ICAL denotes initial calibration.

ID denotes identifier.

LCS denotes laboratory control sample.

LCSD denotes laboratory control sample duplicate.

MS denotes matrix spike.

MSD denotes matrix spike duplicate.

NA denotes not applicable.

ND denotes not detected.

QA denotes quality assurance.

QC denotes quality control.

RL denotes reporting limit.

RPD denotes relative percent difference.

Table 39
Polychlorinated Biphenyl Confirmations – Lot F8L090224

Laboratory ID / Client ID	Column A Value 1 (µg/kg)	Column B Value 2 (µg/kg)	% Diff	Acceptable? (<40%)	Lowest Value Moisture Corrected (µg/kg)	Laboratory Reported Value (µg/kg)
F8L090224(4):4102-0256A-HO	Aroclor 1248					
	93.52	93.02	0.54	Yes	102.7	100
F8L090224(8):4102-0267A-HO	Aroclor 1248					
	1729	1568	9.77	Yes	1753.9	1900 D
F8L090224(9):4102-0275A-HO	Aroclor 1248					
	624.8	528.2	16.76	Yes	570.4	670
F8L090224(13):4102-0289A-HO	Aroclor 1248					
	210.4	200.0	5.07	Yes	211.0	220
F8L090224(14):4102-0289A-HD	Aroclor 1248					
	258.2	231.0	11.12	Yes	240.1	270

Note(s):

All laboratory results were reported from column A. Column B used for confirmation.

D denotes sample diluted due to high concentrations of target analytes.

µg/kg denotes microgram(s) per kilogram.

Diff denotes difference.

ID denotes identifier.

Table 40
Package Completeness Checklist for Lot F8L100282

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 41
Alpha Spectroscopy Quality Control Review for Lot F8L100282

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
				Det No.						
		Field ID	Laboratory ID	Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
8358442	NA	(Laboratory LCS)	F8L230000-442C	86	Yes	86 / 93	NA	88 / 88	96 / 94	NA
8358442	NA	(Laboratory MB)	F8L230000-442B	82	Yes	82	NA	88 / 88	96 / 94	NA
NA	8347217	(Laboratory LCS)	F8L120000-217C	81	Yes	NA	81	NA	NA	93
NA	8347217	(Laboratory MB)	F8L120000-217B	75	Yes	NA	75	NA	NA	93
8358442	8347217	4102-0256A-HO	F8L100282-001	11 / 10	Yes	80	71	88 / 88	96 / 94	93
8358442	8347217	(Laboratory Dup)	F8L100282-001X	-- / 11	Yes	NA	80	88 / 88	96 / 94	93
8358442	8347217	4102-0278A-HO	F8L100282-002	12 / 12	Yes	74	68	88 / 88	96 / 94	93
8358442	8347217	4102-0277A-HO	F8L100282-003	15 / 67	Yes	85	72	88 / 88	96 / 94	93

Uranium Batch	Field ID	Laboratory ID	Det No.	Pass	Uranium-232 (30-110%)	Uranium-234 (69-125%)	Uranium-238 (68-121%)
			Uranium				
8347220	(Laboratory LCS)	F8L120000-220C	68	Yes	97	82	86
8347220	(Laboratory MB)	F8L120000-220B	67	Yes	92	82	86
8347220	4102-0256A-HO	F8L100282-001	9	Yes	90	82	86
8347220	(Laboratory Dup)	F8L100282-001X	10	Yes	87	82	86
8347220	4102-0278A-HO	F8L100282-002	73	Yes	89	82	86

Table 41 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8L100282

Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Uranium-234 (69-125%)	Uranium-238 (68-121%)
8347220	4102-0277A-HO	F8L100282-003	74	Yes	48	82	86
			Monthly Background	Yes			
			Monthly Calibration	Yes			

Field ID	Batch	Isotope	Laboratory Duplicate			Field Duplicate			Method Blank (pCi/g)
			Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
4101-0121A-HO	8358442	Pu-238 [a]	1.35	1.36	1	NA	NA	NA	U
(F8J160124-001X)	8358442	Pu-239/240 [a]	3.16	3.12	1	NA	NA	NA	U
	8347217	Th-228	0.50	0.49	3	NA	NA	NA	U
	8347217	Th-230	0.82	0.72	13	NA	NA	NA	J
	8347217	Th-232	0.44	0.40	10	NA	NA	NA	U
	8347220	Uranium-233/234	1.27	0.71	56	NA	NA	NA	J
	8347220	Uranium-235/236	0.090 (J)	0.050 (J)	NA	NA	NA	NA	U
	8347220	Uranium-238	0.75	0.62	19	NA	NA	NA	U

Note(s):

[a] *Laboratory performed duplicate analysis on LCS instead of sample.*

CL denotes control limit.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
MB denotes method blank.
NA denotes not applicable.
pCi/g denotes picoCurie(s) per gram.
Pu denotes plutonium.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 42
Gamma Spectroscopy Quality Control Review for Lot F8L100282

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g) Above RL	Det No.	Calibrations		
			Am-241 (89-112%)	Cs-137 (94-118%)	Co-60 (90-110%)			Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
8350428	(Laboratory LCS)	F8L150000-428C	109	105	103		8	Yes	Yes	Yes [a]
8350428	(Laboratory MB)	F8L150000-428B	109	105	103	U	7	Yes	Yes	Yes [a]
8350428	4102-0256A-HO	F8L100282-001	109	105	103		1	Yes	Yes	Yes [a]
8350428	(Laboratory Dup)	F8L100282-001X	109	105	103		2	Yes	Yes	Yes [a]
8350428	4102-0278A-HO	F8L100282-002	109	105	103		2	Yes	Yes	Yes [a]
8350428	4102-0277A-HO	F8L100282-003	109	105	103		5	Yes	Yes	Yes [a]

Laboratory Duplicate					Field Duplicate				
Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)
4102-0256A-HO	Actinium-228	0.40	0.47	17	NA	NA	NA	NA	NA
(F8L100282-001X)	Bismuth-214	0.63	0.63	0					
	Radium-226	0.63	0.63	0					
	Lead-212	0.43	0.36	17					
	Lead-214	0.55	0.54	3					

Table 42 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F8L100282

Laboratory Duplicate					Field Duplicate				
Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)
	Potassium-40	10.4	9.5	10					
	Thallium-208	0.122	0.151	21					

Note(s):

[a] *Efficiency raw data not included in package.*

Am denotes americium.
Cs denotes cesium.
Dup denotes duplicate.
LCS denotes laboratory control sample.
NA denotes not applicable.
RL denotes reporting limit.
U denotes result is less than the sample detection limit.
Co denotes cobalt.
Det No. denotes detector number.
ID denotes identifier.
MB denotes method blank.
pCi/g denotes picoCurie(s) per gram.
RPD denotes relative percent difference.

Table 43
Tritium Quality Control Review for Lot F8L100282

Batch	Field ID	Laboratory ID	LCS and Limits	Method Blank (pCi/g) Above RL	Calibrations			
			Tritium (75 -104)		Position Number	Daily Check OK?	Background OK?	Eff Cal OK?
8350350	(Laboratory LCS)	F8L150000-350C	85		3	Yes	Yes	Yes
8350350	(Laboratory MB)	F8L150000-350B	85	U	2	Yes	Yes	Yes
8350350	4102-0277A-HO	F8L100282-003	85		4	Yes	Yes	Yes
8350350	(Laboratory Dup)	F8L100282-003X	85		6	Yes	Yes	Yes

Laboratory Duplicate					Matrix Spike			
Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Spike Amount (pCi/g)	Spike Result (pCi/g)	Sample Result (pCi/g)	Percent Recovery (CL: 62 - 129%)
4102-0277A-HO (F8L100282-003X)	Tritium	10.3	9.20	11	16.1	23.8	10.3	84

Note(s):

CL denotes control limit.
ID denotes identifier.
MB denotes method blank.
RL denotes reporting limit.
U denotes result is less than the sample detection limit.
Dup denotes duplicate.
LCS denotes laboratory control sample.
pCi/g denotes picoCurie(s) per gram.
RPD denotes relative percent difference.

Table 44
Package Completeness Checklist for Lot F8L170153

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 45
Alpha Spectroscopy Quality Control Review for Lot F8L170153

Th Batch	Uranium Batch	Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-126%)	Uranium-234 (69-125%)	Uranium-238 (68-121%)
8365107	NA	(Laboratory LCS)	F8L300000-107C	60	Yes	83	NA	101	NA	NA
8365107	NA	(Laboratory MB)	F8L300000-107B	59	Yes	91	NA	101	NA	NA
NA	8354185	(Laboratory LCS)	F8L190000-185C	63	Yes	NA	97	NA	101	90
NA	8354185	(Laboratory MB)	F8L190000-185B	64	Yes	NA	96	NA	101	90
8365107	8354185	11040	F8L170153-001	1 / 1	Yes	93	95	101	101	90
8365107	8354185	(Laboratory Dup)	F8L170153-001X	3 / 3	Yes	88	98	101	101	90
8365107	8354185	11041	F8L170153-002	4 / 4	Yes	84	93	101	101	90
8365107	8354185	11042	F8L170153-003	6 / 6	Yes	87	97	101	101	90
8365107	8354185	11043	F8L170153-004	7 / 7	Yes	84	98	101	101	90
8365107	8354185	11044	F8L170153-005	8 / 8	Yes	93	92	101	101	90
8365107	8354185	11045	F8L170153-006	9 / 6	Yes	90	94	101	101	90
8365107	8354185	11046	F8L170153-007	10 / 7	Yes	86	91	101	101	90
8365107	8354185	11047	F8L170153-008	11 / 8	Yes	86	101	101	101	90
8365107	8354185	11048	F8L170153-009	15 / 16	Yes	82	94	101	101	90
8365107	8354185	11049	F8L170153-010	16 / 19	Yes	87	93	101	101	90
8365107	8354185	11050	F8L170153-011	19 / 21	Yes	82	96	101	101	90
8365107	8354185	11051	F8L170153-012	21 / 22	Yes	91	100	101	101	90

Table 45 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8L170153

Th Batch	Uranium Batch	Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-126%)	Uranium-234 (69-125%)	Uranium-238 (68-121%)
8365107	8354185	11052	F8L170153-013	52 / 24	Yes	84	97	101	101	90
8365107	8354185	11053	F8L170153-014	53 / 55	Yes	63	100	101	101	90
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Field ID	Batch	Laboratory Duplicate				Field Duplicate			Method Blank CL: < RL
		Isotope	Value 1	Value 2	RPD	Value 1	Value 2	RPD	
11040	8365107	Th-228	3.54	3.06	14	NA	NA	NA	U
(F8L170153-001X)	8365107	Th-230	1.45	1.40	4				U
	8365107	Th-232	3.61	2.87	23				U
	8354185	Uranium-233/234	1.15	0.95	20				U
	8354185	Uranium-235/236	0.085 (J)	0.085 (J)	0				U
	8354185	Uranium-238	1.03	1.0	3				U

Note(s):

CL denotes control limit.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
MB denotes method blank.
NA denotes not applicable.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 46
Package Completeness Checklist for Lot F8L200120

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	Yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 47
Alpha Spectroscopy Quality Control Review for Lot F8L200120

Pu Batch	Th Batch	Field ID	Laboratory ID	Daily Pulser		Tracer Yield and Limits		LCS and Limits		
				Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
8361224	NA	(Laboratory LCS)	F8L260000-224C	65	Yes	83	NA	90	94	NA
8361224	NA	(Laboratory MB)	F8L260000-224B	14	Yes	91	NA	90	94	NA
NA	8361225	(Laboratory LCS)	F8L260000-225C	60	Yes	NA	67	NA	NA	110
NA	8361225	(Laboratory MB)	F8L260000-225B	14	Yes	NA	79	NA	NA	110
8361224	8361225	4110-0106A-FO	F8L200120-001	1 / 1	Yes	83	71	90	94	110
8361224	8361225	(Laboratory Dup)	F8L200120-001X	3 / 3	Yes	86	75	90	94	110
8361224	8361225	4110-0107A-FO	F8L200120-002	4 / 4	Yes	91	65	90	94	110
8361224	8361225	4110-0108A-FO	F8L200120-003	6 / 6	Yes	87	76	90	94	110
8361224	8361225	4110-0108A-FD	F8L200120-004	7 / 7	Yes	96	89	90	94	110
8361224	8361225	4110-0109A-FO	F8L200120-005	8 / 8	Yes	81	75	90	94	110
8361224	8361225	4110-0110A-FO	F8L200120-006	1 / 9	Yes	84	88	90	94	110
8361224	8361225	4110-0111A-FO	F8L200120-007	3 / 10	Yes	80	76	90	94	110
8361224	8361225	4110-0112A-FO	F8L200120-008	4 / 11	Yes	92	75	90	94	110
8361224	8361225	4110-0114A-FO	F8L200120-009	6 / 12	Yes	99	72	90	94	110
8361224	8361225	4110-0115A-FO	F8L200120-010	7 / 15	Yes	85	85	90	94	110
8361224	8361225	4110-0116A-FO	F8L200120-011	8 / 16	Yes	84	80	90	94	110

Table 47 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F8L200120

Pu Batch	Th Batch	Field ID	Laboratory ID	Daily Pulser		Tracer Yield and Limits		LCS and Limits		
				Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
8361224	8361225	4110-0117A-FO	F8L200120-012	9 / 19	Yes	79	83	90	94	110
			Monthly Background		Yes					
			Monthly Calibration		Yes					

Laboratory Duplicate						Field Duplicate (4110-0108)			Method Blank (pCi/g) CL: > RL
Laboratory ID	Batch	Isotope	Value 1	Value 2	RPD	Value 1	Value 2	RPD	
4110-0106A-HO	8361224	Pu-238	0.30	0.16 (J)	Act<2x MDC	2.10	0.86	84	U
	8361224	Pu-239	0.078 (U)	-0.008 (U)	Act< MDC	0.049 (U)	0.025 (U)	Act< MDC	U
	8361225	Th-228	0.94 (J)	0.78 (J)	18	0.77 (J)	0.93 (J)	19	U
	8361225	Th-230	1.34 (J)	1.33 (J)	0.6	1.34 (J)	0.89 (J)	40	J
	8361225	Th-232	1.06 (J)	0.97 (J)	9	0.59 (J)	0.74 (J)	23	U

Note(s):

The laboratory duplicate summary report was not included in the data package, but the spectrum and raw data was included.

High RPDs for field duplicate results may be due to non – homogeneous field sampling. No action was taken.

CL denotes control limit.

ID denotes identifier.

LCS denotes laboratory control sample.

NA denotes not applicable.

Pu denotes plutonium.

RPD denotes relative percent difference.

U denotes result is less than the sample detection limit.

Det No. denotes detector number.

J denotes result is greater than sample detection limit but less than stated reporting limit.

MDC denotes maximum detectable concentration.

pCi/g denotes picoCurie(s) per gram.

RL denotes reporting limit.

Th denotes thorium.

Table 48
Gamma Spectroscopy Quality Control Review for Lot F8L200120

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g) Above RL	Det No.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)			Daily Check OK?	Monthly Bkg OK?	Efficiency Cal OK?
8364208	(Laboratory LCS)	F8L290000-208C	102	106	104	NA	5	Yes	Yes	Yes *
8364208	(Laboratory MB)	F8L290000-208B	NA	NA	NA	U	4	Yes	Yes	Yes *
8364208	4110-0106A-FO	F8L200120-001	102	106	104	NA	1	Yes	Yes	Yes *
8364208	(Laboratory Dup)	F8L200120-001X	102	106	104	NA	4	Yes	Yes	Yes *
8364208	4110-0107A-FO	F8L200120-002	102	106	104	NA	4	Yes	Yes	Yes *
8364208	4110-0108A-FO	F8L200120-003	102	106	104	NA	5	Yes	Yes	Yes *
8364208	4110-0108A-FD	F8L200120-004	102	106	104	NA	1	Yes	Yes	Yes *
8364208	4110-0109A-FO	F8L200120-005	102	106	104	NA	5	Yes	Yes	Yes *
8364208	4110-0110A-FO	F8L200120-006	102	106	104	NA	1	Yes	Yes	Yes *
8364208	4110-0111A-FO	F8L200120-007	102	106	104	NA	4	Yes	Yes	Yes *
8364208	4110-0112A-FO	F8L200120-008	102	106	104	NA	5	Yes	Yes	Yes *
8364208	4110-0114A-FO	F8L200120-009	102	106	104	NA	1	Yes	Yes	Yes *
8364208	4110-0115A-FO	F8L200120-010	102	106	104	NA	4	Yes	Yes	Yes *
8364208	4110-0116A-FO	F8L200120-011	102	106	104	NA	5	Yes	Yes	Yes *
8364208	4110-0117A-FO	F8L200120-012	102	106	104	NA	1	Yes	Yes	Yes *

Table 48 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F8L200120

Field ID	Isotope	Laboratory Duplicate			Field Duplicate			MS/MSD		
		Value 1	Value 2	RPD (0-50%)	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	MS %R	MSD %R	RPD
F8L200120-001	Actinium-228	1.11	1.17	5	0.93	1.02	9.2	NA	NA	NA
(4110-0106)	Bismuth-214	0.73	0.65	11	1.0	0.86	15	NA	NA	NA
	Radium-226	0.73	0.65	11	1.0	0.86	15	NA	NA	NA
	Lead-212	0.75	0.73	4	0.92	0.94	2.2	NA	NA	NA
	Lead-214	0.75	0.67	11	1.07	0.99	7.8	NA	NA	NA
	Potassium-40	23.6	24.5	3	17.5	18.1	3.4	NA	NA	NA
	Thallium-208	0.386	0.36	8	0.294	0.327	11	NA	NA	NA

Note(s):

[a] *Raw data not included.*

%R denotes percent recovery.
Am denotes americium.
Co denotes cobalt.
Cs denotes cesium.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
LCS denotes laboratory control sample.
MB denotes method blank.
MS denotes matrix spike.
MSD denotes matrix spike duplicate.
NA denotes not applicable.
pCi/g denotes picoCurie(s) per gram.
RL denotes reporting limit.
RPD denotes relative percent difference.

Table 49
Package Completeness Checklist for Lot F9A080125

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 50
Alpha Spectroscopy Quality Control Review for Lot F9A080125

Th Batch	Uranium Batch	Thorium and Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Th-Uranium	Pass	Th-229 (30-110%)	Uranium-232 (30-110%)	Th-230 (83-126%)	Uranium-234 (69-125%)	Uranium-238 (68-121%)
9009075	NA	(Laboratory LCS)	F9A090000-075C	72	Yes	81	NA	108	NA	NA
9009075	NA	(Laboratory MB)	F9A090000-075B	14	Yes	77	NA	108	NA	NA
NA	9009076	(Laboratory LCS)	F9A090000-076C	53	Yes	NA	84	NA	110	96
NA	9009076	(Laboratory MB)	F9A090000-076B	52	Yes	NA	97	NA	110	96
9009075	9009076	11040A	F9A080125-001	12 / 21	Yes	84	92	108	110	96
9009075	9009076	(Laboratory Dup)	F9A080125-001X	15 / 22	Yes	80	88	108	110	96
9009075	9009076	11040B	F9A080125-002	16 / 24	Yes	66	84	108	110	96
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Field ID	Batch	Laboratory Duplicate				Field Duplicate			Method Blank CL: < RL
		Isotope	Value 1	Value 2	RPD	Value 1	Value 2	RPD	
11040A	9009075	Thorium-228	0.66	0.57	13	NA	NA	NA	U
	9009075	Thorium-230	0.90	1.12	22	NA	NA	NA	J
	9009075	Thorium-232	0.71	0.54	27	NA	NA	NA	U
	9009075	Uranium-233/234	0.75	0.78	5	NA	NA	NA	J
	9009075	Uranium-235/236	0.012 (U)	0.042 (J)	NA	NA	NA	NA	U

Table 50 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9A080125

Field ID	Batch	Laboratory Duplicate				Field Duplicate			Method Blank CL: < RL
		Isotope	Value 1	Value 2	RPD	Value 1	Value 2	RPD	
	9009075	U-238	0.67	0.74	9	NA	NA	NA	J

Note(s):

The laboratory duplicate summary report was not included in the data package, but the spectrum and raw data were included.

CL denotes control limit.

Det No. denotes detector number.

Dup denotes duplicate.

ID denotes identifier.

J denotes result is greater than sample detection limit but less than stated reporting limit.

LCS denotes laboratory control sample.

MB denotes method blank.
NA denotes not applicable.

RL denotes reporting limit.

RPD denotes relative percent difference.

Th denotes thorium.

U denotes result is less than the sample detection limit.

Table 51
Package Completeness Checklist for Lot F9C030126

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 52
Alpha Spectroscopy Quality Control Review for Lot F9C030126

		Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Pu Batch	Th Batch	Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-120%)
9063373	NA	(Laboratory LCS)	F9C040000-373C	71	Yes	87	NA	96	101	NA
9063373	NA	(Laboratory MB)	F9C040000-373B	85	Yes	99	NA	96	101	NA
NA	9063374	(Laboratory LCS)	F9C040000-374C	58	Yes	NA	81	NA	NA	110
NA	9063374	(Laboratory MB)	F9C040000-374B	57	Yes	NA	87	NA	NA	110
9063373	9063374	4105-0366A-HO	F9C030126-001	76 / 1	Yes	87	81	96	101	110
9063373	9063374	(Laboratory Dup)	F9C030126-001X	78 / 3	Yes	86	88	96	101	110
9063373	9063374	4105-0372A-HO	F9C030126-002	79 / 4	Yes	90	80	96	101	110
9063373	9063374	4105-0388A-HO	F9C030126-003	13 / 10	Yes	97	86	96	101	110
9063373	9063374	4105-0390A-HO	F9C030126-004	14 / 11	Yes	91	79	96	101	110
9063373	9063374	4105-0404A-HO	F9C030126-005	15 / 12	Yes	88	88	96	101	110
9063373	9063374	4105-0418A-HO	F9C030126-006	16 / 13	Yes	90	83	96	101	110
9063373	9063374	4105-0431A-HO	F9C030126-007	80 / 14	Yes	92	78	96	101	110
9063373	9063374	4105-0448A-HO	F9C030126-008	21 / 15	Yes	95	85	96	101	110
9063373	9063374	4105-0452A-HO	F9C030126-009	82 / 16	Yes	90	83	96	101	110
9063373	9063374	4105-0454A-HO	F9C030126-010	83 / 18	Yes	92	87	96	101	110

Table 52 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9C030126

		Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Pu Batch	Th Batch	Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-120%)
9063373	9063374	4105-0466A-HO	F9C030126-011	84 / 19	Yes	91	72	96	101	110
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Field ID	Batch	Isotope	Laboratory Duplicate			Field Duplicate			Method Blank (pCi/g) CL: > RL
			Value 1	Value 2	RPD	Value 1	Value 2	RPD	
4105-0366A-HO	9063373	Plutonium-238	0.0061 (J)	-0.002 (U)	NA	NA	NA	NA	U
	9063373	Plutonium-239/240	0.0020 (U)	0.0061 (J)	NA	NA	NA	NA	U
	9063374	Thorium-228	0.46	0.45	3	NA	NA	NA	U
	9063374	Thorium-230	1.08	0.80	29	NA	NA	NA	J
	9063374	Thorium-232	0.53	0.47	12	NA	NA	NA	U

Uranium			Daily Pulser		Tracer Yield and Limits	LCS and Limits	
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Uranium-234 (69-125%)	Uranium-238 (68-121%)
9063375	(Laboratory LCS)	F9C040000-375C	51	Yes	89	105	88
9063375	(Laboratory MB)	F9C040000-375B	45	Yes	92	105	88

Table 52 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9C030126

Uranium			Daily Pulser		Tracer Yield and Limits	LCS and Limits	
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Uranium-234 (69-125%)	Uranium-238 (68-121%)
9063375	4105-0366A-HO	F9C030126-001	10	Yes	94	105	88
9063375	(Laboratory Dup)	F9C030126-001X	11	Yes	74	105	88
9063375	4105-0372A-HO	F9C030126-002	12	Yes	74	105	88
9063375	4105-0388A-HO	F9C030126-003	13	Yes	89	105	88
9063375	4105-0390A-HO	F9C030126-004	14	Yes	91	105	88
9063375	4105-0404A-HO	F9C030126-005	15	Yes	79	105	88
9063375	4105-0418A-HO	F9C030126-006	16	Yes	81	105	88
9063375	4105-0431A-HO	F9C030126-007	18	Yes	82	105	88
9063375	4105-0448A-HO	F9C030126-008	21	Yes	90	105	88
9063375	4105-0452A-HO	F9C030126-009	22	Yes	81	105	88
9063375	4105-0454A-HO	F9C030126-010	24	Yes	87	105	88
9063375	4105-0466A-HO	F9C030126-011	52	Yes	84	105	88
			Monthly Background	Yes			
			Monthly Calibration	Yes			

Table 52 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9C030126

Field ID	Batch	Isotope	Laboratory Duplicate			Field Duplicate			Method Blank (pCi/g) CL: > RL
			Value 1	Value 2	RPD	Value 1	Value 2	RPD	
4105-0366A-HO	9063375	Uranium-233/234	0.56	0.65	16	NA	NA	NA	U
	9063375	Uranium-235/236	0.029 (J)	0.030 (U)	NA	NA	NA	NA	U
	9063375	Uranium-238	0.63	0.60	4	NA	NA	NA	U

Note(s):
CL denotes control limit.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
MB denotes method blank.
NA denotes not applicable.
pCi/g denotes picoCurie(s) per gram.
Pu denotes plutonium.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 53
Gamma Spectroscopy Quality Control Review for Lot F9C030126

Batch	Field ID	Laboratory ID	LCS and Limits			MB (pCi/g) Above RL	Det No.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)			Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9065241	(Laboratory LCS)	F9C060000-241C	99	109	102		6	Yes	Yes	Yes [a]
9065241	(Laboratory MB)	F9C060000-241B	99	109	102	U	1	Yes	Yes	Yes [a]
9065241	4105-0366A-HO	F9C030126-001	99	109	102		1	Yes	Yes	Yes [a]
9065241	(Laboratory Dup)	F9C030126-001X	99	109	102		7	Yes	Yes	Yes [a]
9065241	4105-0372A-HO	F9C030126-002	99	109	102		1	Yes	Yes	Yes [a]
9065241	4105-0388A-HO	F9C030126-003	99	109	102		4	Yes	Yes	Yes [a]
9065241	4105-0390A-HO	F9C030126-004	99	109	102		1	Yes	Yes	Yes [a]
9065241	4105-0404A-HO	F9C030126-005	99	109	102		2	Yes	Yes	Yes [a]
9065241	4105-0418A-HO	F9C030126-006	99	109	102		4	Yes	Yes	Yes [a]
9065241	4105-0431A-HO	F9C030126-007	99	109	102		5	Yes	Yes	Yes [a]
9065241	4105-0448A-HO	F9C030126-008	99	109	102		1	Yes	Yes	Yes [a]
9065241	4105-0452A-HO	F9C030126-009	99	109	102		2	Yes	Yes	Yes [a]
9065241	4105-0454A-HO	F9C030126-010	99	109	102		8	Yes	Yes	Yes [a]
9065241	4105-0466A-HO	F9C030126-011	99	109	102		5	Yes	Yes	Yes [a]

Table 53 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F9C030126

Laboratory Duplicate					Field Duplicate				
Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)
4105-0366A-HO	Ac-228	0.52	0.62	19	NA	NA	NA	NA	NA
F9C030126-001X	Bi-214	0.82	0.93	13		NA	NA	NA	NA
	Ra-226	0.82	0.93	13		NA	NA	NA	NA
	Pb-212	0.48	0.50	4		NA	NA	NA	NA
	Pb-214	0.93	0.90	4		NA	NA	NA	NA
	K-40	12.0	8.7	32		NA	NA	NA	NA
	Tl-208	0.185	0.225	19		NA	NA	NA	NA

Note(s):

[a] *Efficiency raw data not included in package.*

Am denotes americium.
Cs denotes cesium.
Dup denotes duplicate.
LCS denotes laboratory control sample.
NA denotes not applicable.
RL denotes reporting limit.
U denotes result is less than the sample detection limit.
Co denotes cobalt.
Det No. denotes detector number.
ID denotes identifier.
MB denotes method blank.
pCi/g denotes picoCurie(s) per gram.
RPD denotes relative percent difference.

Table 54
Package Completeness Checklist for Lot F9D100242

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 4 degrees Centigrade
Chain-Of-Custody Documentation	yes	
Communication records	no	

Table 55
Results of Review of Package F9D100242 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings			
			Field ID	Laboratory ID	%R	
Soils	Surrogate (DCB)	42-150%				All Acceptable
	ICAL	Acceptable				
	CCAL	Acceptable				
			LCS %R	LCSD %R	RPD	
	LCS/LCSD-Ar 1016	74-130%; 20% RPD	96	NA	NA	
	LCS/LCSD-Ar 1260	73-139%; 20% RPD	102	NA	NA	
	Method Blank	<RL (33 µg/kg)	ND			
			MS %R	MSD %R	RPD	
	MS/MSD-Ar 1016	42-150%, 30% RPD	95	89	6.9	
	MS/MSD-Ar 1260	44-150%, 30% RPD	96	95	0.94	
	Field Dup	50 % RPD	Value 1	Value 2	RPD	
	4103-0574A-HO,HD		ND	ND	NA	

Note(s):
%R denotes percent recovery.
µg/kg denotes microgram(s) per kilogram.
Ar denotes Aroclor.
CCAL denotes continued calibration.
DCB denotes dichlorobenzene.
Dup denotes duplicate.
ICAL denotes initial calibration.
ID denotes identifier.
LCS denotes laboratory control sample.
LCSD denotes laboratory control sample duplicate.
MS denotes matrix spike.
MSD denotes matrix spike duplicate.
NA denotes not applicable.
ND denotes not detected.
QA denotes quality assurance.
QC denotes quality control.
RPD denotes relative percent difference.

Table 56
Polychlorinated Biphenyl Confirmations – Lot F9D100242

Laboratory ID / Client ID	Column A Value 1	Column B Value 2	% Diff	Acceptable? (<40%)	Relative Moisture	Lowest Value Moisture Corrected	Laboratory Reported Value
F9D100242(7):4103-0576A-HO	Aroclor 1248						
	21.6	23.93	10.79	Yes	0.161	25.7	26 J
F9D100242(8):4103-0577A-HO	Aroclor 1248						
	31.22	32.17	3.04	Yes	0.141	36.3	36 J
F9D100242(9):4103-0578A-HO	Aroclor 1248						
	810	921.3	13.74	Yes	0.188	997.5	1000
	Aroclor 1260						
	107.4	125.4	16.76	Yes	0.188	132.3	130
F9D100242(10):4103-0579A-HO	Aroclor 1254						
	165.5	197.1	19.09	Yes	0.113	186.6	190

Note(s):

All laboratory results were reported from column A. Column B used for confirmation.

Diff denotes difference.

ID denotes identifier.

J denotes Result less than reporting limit.

Table 57
Package Completeness Checklist for Lot F9D100246

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 4 degrees Centigrade
Chain-Of-Custody Documentation	yes	
Communication records	no	

Table 58
Results of Review of Package F9D100246 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings		
			Field ID	Laboratory ID	%R
Soils	Surrogate (DCB)	42-150%	4103-0557A-HO	F9D100246-013	152
	The surrogate recovery is outside the upper QC limit, indicating a potential positive bias. There were no target analytes observed above the reporting limit in the sample. No action was taken.				
	ICAL	Acceptable			
	CCAL	Acceptable			
			LCS %R	LCSD %R	RPD
	LCS/LCSD-Ar 1016	74-130%; 20% RPD	103	NA	NA
	LCS/LCSD-Ar 1260	73-139%; 20% RPD	110	NA	NA
	Method Blank	<RL (33 µg/kg)	ND		
			MS %R	MSD %R	RPD
	MS/MSD-Ar 1016	42-150%, 30% RPD	106	110	4.0
	MS/MSD-Ar 1260	44-150%, 30% RPD	114	123	6.9
	Field Dup	50 % RPD	Value 1	Value 2	RPD
	4103-0555A-HO,HD		ND	ND	NA

Note(s):
%R denotes percent recovery.
µg/kg denotes microgram(s) per kilogram.
Ar denotes Aroclor.
CCAL denotes continued calibration.
DCB denotes dichlorobenzene.
Dup denotes duplicate.
ICAL denotes initial calibration.
ID denotes identifier.
LCS denotes laboratory control sample.
LCSD denotes laboratory control sample duplicate.
MS denotes matrix spike.
MSD denotes matrix spike duplicate.
NA denotes not applicable.
ND denotes not detected.
QA denotes quality assurance.
QC denotes quality control.
RPD denotes relative percent difference.

Table 59
Polychlorinated Biphenyl Confirmations – Lot F9D100246

Laboratory ID / Client ID	Column A Value 1	Column B Value 2	% Diff	Acceptable? (<40%)	Relative Moisture	Lowest Value Moisture Corrected	Laboratory Reported Value
F9D100246(1):4103-0544A-HO	Aroclor 1248						
	45.64	45.74	0.22	Yes	0.166	54.7	55
F9D100246(2):4103-0545A-HO	Aroclor 1248						
	334.2	378.8	13.35	Yes	0.136	386.8	390
F9D100246(6):4103-0550A-HO	Aroclor 1248						
	372.8	450.6	20.87	Yes	0.16	443.8	440
	Aroclor 1260						
	152.0	198.4	30.53	Yes	0.16	181.0	180
F9D100246(8):4103-0552A-HO	Aroclor 1254						
	326.6	441.3	35.12	Yes	0.135	377.6	380
F9D100246(12):4103-0556A-HO	Aroclor 1248						
	144.0	178.4	23.89	Yes	0.147	168.8	170
F9D100246(15):4103-0560A-HO	Aroclor 1248						
	22.32	23.01	3.09	Yes	0.194	27.7	28 J
F9D100246(17):4103-0562A-HO	Aroclor 1248						
	1307	1479.0	13.16	Yes	0.192	1617.6	1600
F9D100246(19):4103-0566A-HO	Aroclor 1254						
	3.849	4.161	8.11	Yes	0.167	4.6	4.6 J

Table 59 (Continued)
Polychlorinated Biphenyl Confirmations – Lot F9D100246

Laboratory ID / Client ID	Column A Value 1	Column B Value 2	% Diff	Acceptable? (<40%)	Relative Moisture	Lowest Value Moisture Corrected	Laboratory Reported Value
F9D100246(20):4103-0568A-HO	Aroclor 1248						
	43.80	54.97	25.50	Yes	0.106	49.0	49

Note(s):

All laboratory results were reported from column A. Column B used for confirmation.

Diff denotes difference.

ID denotes identifier.

J denotes Result less than reporting limit.

Table 60
Package Completeness Checklist for Lot F9D100252

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 4 degrees Centigrade
Chain-Of-Custody Documentation	yes	
Communication records	no	

Table 61
Results of Review of Package F9D100252 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings			
			Field ID	Laboratory ID	%R	
Soils	Surrogate (DCB)	42-150%				All Acceptable
			Field ID	Laboratory ID	%D	
	%D Sample Result Primary/Secondary	0-40%	4103-0540A-HO	F9D100252 (18)	69.6	(Aroclor 1254)
	Sample F9D100252 (18):4103-0540A-HO: The percent difference (%D) between the primary and secondary column result for Aroclor 1254 is greater than 40%. SW-846 Method 8000C prescribes reporting the lower of the two column results in the absence of chromatographic anomalies observed on the column yielding the lower result. The Aroclor 1254 result was qualified as J because the result was less than the reporting limit.					
	ICAL	Acceptable				
	CCAL	Acceptable				
			LCS %R	LCSD %R	RPD	
	LCS/LCSD-Ar 1016	74-130%; 20% RPD	103	NA	NA	
	LCS/LCSD-Ar 1260	73-139%; 20% RPD	114	NA	NA	
	Method Blank	<RL (33 μg/kg)	ND			
			MS %R	MSD %R	RPD	
	MS/MSD-Ar 1016	42-150%, 30% RPD	96	90	6.3	
	MS/MSD-Ar 1260	44-150%, 30% RPD	99	100	0.54	
	Field Dup	50 % RPD	Value 1	Value 2	RPD	
	4103-0536A-HO,HD		ND	ND	NA	

Note(s):

%R denotes percent recovery.
Ar denotes Aroclor.
Dup denotes duplicate.
LCS denotes laboratory control sample.
MS denotes matrix spike.
NA denotes not applicable.
QA denotes quality assurance.
RPD denotes relative percent difference.
μg/kg denotes microgram(s) per kilogram.
DCB denotes dichlorobenzene.
ID denotes identifier.
LCSD denotes laboratory control sample duplicate.
MSD denotes matrix spike duplicate.
ND denotes not detected.
QC denotes quality control.

Table 62
Polychlorinated Biphenyl Confirmations – Lot F9D100252

Laboratory ID / Client ID	Column A Value 1	Column B Value 2	% Diff	Acceptable? (<40%)	Relative Moisture	Lowest Value Moisture Corrected	Laboratory Reported Value
F9D100252(3):4103-0526A-HO	Aroclor 1248						
	8.735	10.18	16.54	Yes	0.166	10.47	10 J
F9D100252(9):4103-0532A-HO	Aroclor 1248						
	191.2	216.8	13.39	Yes	0.126	218.8	220
F9D100252(10):4103-0533A-HO	Aroclor 1248						
	10.74	9.6	10.77	Yes	0.191	11.8	13 J
F9D100252(18):4103-0540A-HO	Aroclor 1254						
	26.17	44.39	69.62	No	0.164	31.3	31 J,PG
F9D100252(19):4103-0541A-HO	Aroclor 1254						
	7.030	6.949	1.15	Yes	0.189	8.6	8.7 J
F9D100252(20):4103-0542A-HO	Aroclor 1254						
	3.321	4.1	23.82	Yes	0.191	4.1	4.1 J

Note(s):

All laboratory results were reported from column A. Column B used for confirmation.

Sample F9D100252 (18):4103-0540A-HO: The percent difference between the primary and secondary column result for Aroclor 1254 is greater than 40%. SW-846 Method 8000C prescribes reporting the lower of the two column results in the absence of chromatographic anomalies observed on the column yielding the lower result.

Diff denotes difference.

ID denotes identifier.

J denotes Result less than reporting limit.

Table 63
Package Completeness Checklist for Lot F9D100259

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 4 degrees Centigrade
Chain-Of-Custody Documentation	yes	
Communication records	no	

Table 64
Results of Review of Package F9D100259 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings			
			Field ID	Laboratory ID	%R	
Soils	Surrogate (DCB)	42-150%				All Acceptable
			Field ID	Laboratory ID	%D	
	%D Sample Result Primary/Secondary	0-40%	4103-0507A-HO	F9D100259 (8)	50.2	(Aroclor 1254)
	Sample F9D100259 (8):4103-0507A-HO: The percent difference (%D) between the primary and secondary column result for Aroclor 1254 is greater than 40%. SW-846 Method 8000C prescribes reporting the lower of the two column results in the absence of chromatographic anomalies observed on the column yielding the lower result. The Aroclor 1254 result should be qualified as JU.					
	ICAL	Acceptable				
	CCAL	Acceptable				
			LCS %R	LCSD %R	RPD	
	LCS/LCSD-Ar 1016	74-130%; 20% RPD	95	NA	NA	
	LCS/LCSD-Ar 1260	73-139%; 20% RPD	105	NA	NA	
	Method Blank	<RL (33 μg/kg)	ND			
			MS %R	MSD %R	RPD	
	MS/MSD-Ar 1016	42-150%, 30% RPD	121	143	17	
	MS/MSD-Ar 1260	44-150%, 30% RPD	106	108	1.6	
	Field Dup	50 % RPD	Value 1	Value 2	RPD	
	4103-0517A-HO,HD		ND	ND	NA	

Note(s):

%R denotes percent recovery.
Ar denotes Aroclor.
DCB denotes dichlorobenzene.
ICAL denotes initial calibration.
LCS denotes laboratory control sample.
MS denotes matrix spike.
NA denotes not applicable.
QA denotes quality assurance.
RPD denotes relative percent difference.
μg/kg denotes microgram(s) per kilogram.
CCAL denotes continued calibration.
Dup denotes duplicate.
ID denotes identifier.
LCSD denotes laboratory control sample duplicate.
MSD denotes matrix spike duplicate.
ND denotes not detected.
QC denotes quality control.

Table 65
Polychlorinated Biphenyl Confirmations – Lot F9D100259

Laboratory ID / Client ID	Column A Value 1	Column B Value 2	% Diff	Acceptable? (<40%)	Relative Moisture	Lowest Value Moisture Corrected	Laboratory Reported Value
F9D100259(7):4103-0506A-HO	Aroclor 1254						
	4.615	6.073	31.59	Yes	0.144	5.39	5.4 J
F9D100259(8):4103-0507A-HO	Aroclor 1254						
	1129	1696	50.22	No	0.140	1312.8	1300 PG
F9D100259(9):4103-0508A-HO	Aroclor 1248						
	136.3	138.8	1.83	Yes	0.114	153.8	150
F9D100259(10):4103-0509A-HO	Aroclor 1248						
	15.13	17.22	13.81	Yes	0.125	17.3	17 J
F9D100259(11):4103-0510A-HO	Aroclor 1254						
	64.010	86.260	34.76	Yes	0.203	80.3	80

Note(s):

All laboratory results were reported from column A. Column B used for confirmation.

Sample F9D100259 (8):4103-0507A-HO: The percent difference between the primary and secondary column result for Aroclor 1254 is greater than 40%. SW-846 Method 8000C prescribes reporting the lower of the two column results in the absence of chromatographic anomalies observed on the column yielding the lower result.

Diff denotes difference.

ID denotes identifier.

J denotes Result less than reporting limit.

Table 66
Package Completeness Checklist for Lot F9D100239

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 67
Alpha Spectroscopy Quality Control Review for Lot F9D100239

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-120%)
9103173	NA	(Laboratory LCS)	F9D130000-173C	71	Yes	102	NA	74	80	NA
9103173	NA	(Laboratory MB)	F9D130000-173B	86	Yes	88	NA	74	80	NA
NA	9103174	(Laboratory LCS)	F9D130000-174C	57	Yes	NA	68	NA	NA	101
NA	9103174	(Laboratory MB)	F9D130000-174B	45	Yes	NA	73	NA	NA	101
9103173	9103174	4104-0615A-HO	F9D100239-001	53 / 61	Yes	86	65	74	80	101
9103173	9103174	(Laboratory Dup)	F9D100239-001X	54 / 62	Yes	85	69	74	80	101
9103173	9103174	4104-0639A-HO	F9D100239-002	75 / 63	Yes	80	73	74	80	101
9103173	9103174	4104-0639A-HD	F9D100239-003	76 / 64	Yes	78	80	74	80	101
9103173	9103174	4104-0651A-HO	F9D100239-004	79 / 65	Yes	84	80	74	80	101
9103173	9103174	4104-0652A-HO	F9D100239-005	63 / 74	Yes	79	74	74	80	101
9103173	9103174	4104-0657A-HO	F9D100239-006	64 / 9	Yes	88	80	74	80	101
9103173	9103174	4104-0661A-HO	F9D100239-007	9 / 10	Yes	94	77	74	80	101
9103173	9103174	4104-0668A-HO	F9D100239-008	80 / 11	Yes	78	71	74	80	101
9103173	9103174	4104-0689A-HO	F9D100239-009	82 / 14	Yes	80	69	74	80	101
9103173	9103174	4104-0697A-HO	F9D100239-010	83 / 15	Yes	92	71	74	80	101
9103173	9103174	4104-0700A-HO	F9D100239-011	84 / 16	Yes	82	81	74	80	101
9103173	9103174	4104-0634A-HO	F9D100239-012	16 / 21	Yes	86	79	74	80	101
9103173	9103174	4104-0692A-HO	F9D100239-013	85 / 22	Yes	82	67	74	80	101

Table 67 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9D100239

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-120%)
				Monthly Background	Yes					
				Monthly Calibration	Yes					

		Laboratory Duplicate (4104-0615A-HO)			Field Duplicate (4104-0639A-HO)			Method Blank (pCi/g)
Batch	Isotope	Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9103173	Plutonium-238	0.141	0.135	4.3	0.021	0.0023 (U)	Act<MDC	U
9103173	Plutonium-239/240	0.044	0.034	24	0.016 (J)	0.0090 (J)	Act<RL	U
9103174	Thorium-228	1.48	1.24	18	1.08	0.95	13	U
9103174	Thorium-230	1.42	1.04	31	1.25	1.18	5.8	J
9103174	Thorium-232	1.27	1.11	14	1.05	1.08	2.8	J

Uranium			Daily Pulser		Tracer Yield and Limits	LCS and Limits	
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Uranium-234 (69-125%)	Uranium-238 (68-121%)
9103175	(Laboratory LCS)	F9D130000-175C	23	Yes	77	96	100
9103175	(Laboratory MB)	F9D130000-175B	13	Yes	93	96	100

Table 67 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9D100239

Uranium			Daily Pulser		Tracer Yield and Limits	LCS and Limits	
			Det No.				
Uranium Batch	Field ID	Laboratory ID	Uranium	Pass	Uranium-232 (30-110%)	Uranium-234 (69-125%)	Uranium-238 (68-121%)
9103175	4104-0615A-HO	F9D100239-001	9	Yes	83	96	100
9103175	(Laboratory Dup)	F9D100239-001X	10	Yes	80	96	100
9103175	4104-0639A-HO	F9D100239-002	11	Yes	78	96	100
9103175	4104-0639A-HD	F9D100239-003	14	Yes	84	96	100
9103175	4104-0651A-HO	F9D100239-004	15	Yes	73	96	100
9103175	4104-0652A-HO	F9D100239-005	16	Yes	82	96	100
9103175	4104-0657A-HO	F9D100239-006	21	Yes	75	96	100
9103175	4104-0661A-HO	F9D100239-007	22	Yes	75	96	100
9103175	4104-0668A-HO	F9D100239-008	24	Yes	88	96	100
9103175	4104-0689A-HO	F9D100239-009	51	Yes	89	96	100
9103175	4104-0697A-HO	F9D100239-010	52	Yes	93	96	100
9103175	4104-0700A-HO	F9D100239-011	53	Yes	88	96	100
9103175	4104-0634A-HO	F9D100239-012	54	Yes	87	96	100
9103175	4104-0692A-HO	F9D100239-013	58	Yes	85	96	100
			Monthly Background	Yes			
			Monthly Calibration	Yes			

Table 67 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9D100239

	Laboratory Duplicate (4104-0615A-HO)				
Isotope	Value 1	Value 2	RPD	Value 1	RPD
Uranium-233/234	0.89	1.02	13	1.01	6.1
Uranium-235	0.011 (U)	0.042 (U)	Act<MDC	0.130 (J)	Act<RL
Uranium-238	0.75	0.93	21	0.91	2.2

Note(s):
CL denotes control limit.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
MB denotes method blank.
MDC denotes maximum detectable concentration.
pCi/g denotes picoCurie(s) per gram.
Pu denotes plutonium.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 68
Gamma Spectroscopy Quality Control Review for Lot F9D100239

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)	Inst. Det No.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL		Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9103472	(Laboratory LCS)	F9D130000-175C	100	106	99		6	Yes	Yes	Yes [a]
9103472	(Laboratory MB)	F9D130000-175B	100	106	99	All "U"	5	Yes	Yes	Yes [a]
9103472	4104-0615A-HO	F9D100239-001	100	106	99		4	Yes	Yes	Yes [a]
9103472	(Laboratory Dup)	F9D100239-001X	100	106	99		3	Yes	Yes	Yes [a]
9103472	4104-0639A-HO	F9D100239-002	100	106	99		4	Yes	Yes	Yes [a]
9103472	4104-0639A-HD	F9D100239-003	100	106	99		2	Yes	Yes	Yes [a]
9103472	4104-0651A-HO	F9D100239-004	100	106	99		5	Yes	Yes	Yes [a]
9103472	4104-0652A-HO	F9D100239-005	100	106	99		7	Yes	Yes	Yes [a]
9103472	4104-0657A-HO	F9D100239-006	100	106	99		1	Yes	Yes	Yes [a]
9103472	4104-0661A-HO	F9D100239-007	100	106	99		2	Yes	Yes	Yes [a]
9103472	4104-0668A-HO	F9D100239-008	100	106	99		4	Yes	Yes	Yes [a]
9103472	4104-0689A-HO	F9D100239-009	100	106	99		5	Yes	Yes	Yes [a]
9103472	4104-0697A-HO	F9D100239-010	100	106	99		3	Yes	Yes	Yes [a]
9103472	4104-0700A-HO	F9D100239-011	100	106	99		3	Yes	Yes	Yes [a]
9103472	4104-0634A-HO	F9D100239-012	100	106	99		2	Yes	Yes	Yes [a]
9103472	4104-0692A-HO	F9D100239-013	100	106	99		5	Yes	Yes	Yes [a]

Table 68 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F9D100239

Laboratory Duplicate					Field Duplicate				
Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)	Field ID	Isotope	Value 1 (pCi/g)	Value 2 (pCi/g)	RPD (0-50%)
4104-0615A-HO	Actinium-228	1.36	1.42	4	4104-0639A-HD	Actinium-228	1.47	1.38	6.3
	Bismuth-214	0.79	0.64	22		Bismuth-214	0.87	0.85	2.3
	Radium-226	0.79	0.64	22		Radium-226	0.87	0.85	2.3
	Bismuth-212	1.41	1.18	17		Bismuth-212	1.27	1.39	9.0
	Lead-212	1.24	1.19	4		Lead-212	1.36	1.23	10.0
	Lead-214	0.93	0.93	0.1		Lead-214	1.12	0.98	13.3
	Potassium-40	32.4	35.1	2.9		Potassium-40	34.8	31.1	11
	Thallium-208	0.383	0.476	22		Thallium-208	0.505	0.450	12

Note(s):

[a] *Eff. raw data not included in package.*

Am denotes americium.
Cs denotes cesium.
Dup denotes duplicate.
LCS denotes laboratory control sample.
pCi/g denotes picoCurie(s) per gram.
RPD denotes relative percent difference.
Co denotes cobalt.
Det No. denotes detector number.
ID denotes identifier.
MB denotes method blank.
RL denotes reporting limit.

Table 69
Package Completeness Checklist for Lot F9D140251

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 5 degrees Centigrade
Chain-Of-Custody Documentation	yes	
Communication records	no	

Table 70
Results of Review of Package F9D140251 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings			
			Field ID	Laboratory ID	%R	
soils	Surrogate (DCB)	42-150%				All Acceptable
			Field ID	Laboratory ID	%D	
	%D Sample Result Primary/Secondary	0-40%	4103-0519A-HO	F9D140251 (6)	42.1	(Aroclor 1254)
	Sample F9D140251 (6):4103-0519A-HO: The percent difference (%D) between the primary and secondary column result for Aroclor 1254 is greater than 40%. SW Method 8000C prescribes reporting the lower of the two column results in the absence of chromatographic anomalies observed on the column yielding the lower result. The Aroclor 1254 result should be qualified as J.					
	ICAL	Acceptable				
	CCAL	Acceptable				
			LCS %R	LCSD %R	RPD	
	LCS/LCSD-Ar 1016	74-130%; 20% RPD	102	NA	NA	
	LCS/LCSD-Ar 1260	73-139%; 20% RPD	109	NA	NA	
	Method Blank	<RL (33 µg/kg)	ND			
			MS %R	MSD %R	RPD	
	MS/MSD-Ar 1016	42-150%, 30% RPD	96	118	20	
	MS/MSD-Ar 1260	44-150%, 30% RPD	85	94	10	
	Field Dup	50 % RPD	Value 1	Value 2	RPD	
	4103-0498A-HO,HD		ND	ND	NA	

Note(s):

%R denotes percent recovery.
µg/kg denotes microgram(s) per kilogram.
Ar denotes Aroclor.
CCAL denotes continued calibration.
DCB denotes dichlorobenzene.
Dup denotes duplicate.
ICAL denotes initial calibration.
ID denotes identifier.
LCS denotes laboratory control sample.
LCSD denotes laboratory control sample duplicate.
MS denotes matrix spike.
MSD denotes matrix spike duplicate.
NA denotes not applicable.
ND denotes not detected.
QA denotes quality assurance.
QC denotes quality control.
RPD denotes relative percent difference.

Table 71
Polychlorinated Biphenyl Confirmations – Lot F9D140251

Laboratory ID / Client ID	Column A Value 1	Column B Value 2	% Diff	Acceptable? (<40%)	Relative Moisture	Lowest Value Moisture Corrected	Laboratory Reported Value
F9D140251(1):4103-0497A-HO	Aroclor 1248						
	44.98	56.95	26.61	Yes	0.126	51.46	51
F9D140251(6):4103-0519A-HO	Aroclor 1254						
	288.3	409.6	42.07	No	0.168	346.5	350
F9D140251(7):4103-0520A-HO	Aroclor 1248						
	28.22	29.9	5.95	Yes	0.18	34.4	34 J
F9D140251(8):4103-0521A-HO	Aroclor 1248						
	146.7	174.4	18.88	Yes	0.083	160.0	160
F9D140251(18):4103-0493A-HO	Aroclor 1248						
	345.9	415.2	20.03	Yes	0.093	381.4	380
F9D140251(20):4103-0496A-HO	Aroclor 1248						
	79.79	74.94	6.08	Yes	0.153	88.5	94

Note(s):

All laboratory results were reported from column A. Column B used for confirmation.

Sample F9D140251 (6):4103-0519A-HO: The percent difference between the primary and secondary column result for Aroclor 1254 is greater than 40%. SW-846 Method 8000C prescribes reporting the lower of the two column results in the absence of chromatographic anomalies observed on the column yielding the lower result.

Diff denotes difference.

ID denotes identifier.

J denotes Result less than reporting limit.

Table 72
Package Completeness Checklist for Lot F9D210217

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 2 degrees Centigrade
Chain-Of-Custody Documentation	yes	
Communication records	no	

Table 73
Results of Review of Package F9D210217 for Polychlorinated Biphenyls

Matrix	QA/QC Element	Control Limits	Findings		
			Field ID	Laboratory ID	%R
soils	Surrogate (DCB)	42-150%	4103-0484A-HO	F9D210217 (6)	Dil [a]
			4103-0485A-HO	F9D210217 (7)	Dil [a]
	ICAL	Acceptable			
	CCAL	Acceptable			
			LCS %R	LCSD %R	RPD
	LCS/LCSD-Ar 1016	74-130%; 20% RPD	96	NA	NA
	LCS/LCSD-Ar 1260	73-139%; 20% RPD	99	NA	NA
	Method Blank	<RL (33 µg/kg)	ND		
			MS %R	MSD %R	RPD
	MS/MSD-Ar 1016	42-150%, 30% RPD	156 [b]	145	7.2
	MS/MSD-Ar 1260	44-150%, 30% RPD	93	94	1.8
	Field Dup	50 % RPD	Value 1	Value 2	RPD
	4103-0481A-HO,HD		220	43	135 [c]

Note(s):

[a] *The samples were analyzed at a dilution due to high concentrations of target analytes. The surrogates were diluted out.*

[b] *The MS recovery for Aroclor 1016 is outside the established QC limit. The RPD is within method acceptance criteria. No action was taken by the laboratory.*

[c] *High RPD indicates possible non-homogenous sample duplicate.*

%R denotes percent recovery.

µg/kg denotes microgram(s) per kilogram.

Ar denotes Aroclor.

CCAL denotes continued calibration.

DCB denotes dichlorobenzene.

Dup denotes duplicate.

ICAL denotes initial calibration.

ID denotes identifier.

LCS denotes laboratory control sample.

LCSD denotes laboratory control sample duplicate.

MS denotes matrix spike.

MSD denotes matrix spike duplicate.

NA denotes not applicable.

ND denotes not detected.

QA denotes quality assurance.

QC denotes quality control.

RPD denotes relative percent difference.

Table 74
Polychlorinated Biphenyl Confirmations – Lot F9D210217

Laboratory ID / Client ID	Column A Value 1	Column B Value 2	% Diff	Acceptable? (<40%)	Relative Moisture	Lowest Value Moisture Corrected	Laboratory Reported Value
F9D210217(1):4103-0480A-HO	Aroclor 1248						
	78.37	96.98	23.75	Yes	0.122	89.26	89
F9D210217(2):4103-0481A-HO	Aroclor 1248						
	192.9	214.4	11.15	Yes	0.125	220.5	220
F9D210217(3):4103-0481A-HD	Aroclor 1248						
	36.48	46.2	26.67	Yes	0.147	42.8	43
F9D210217(6):4103-0484A-HO	Aroclor 1248						
	1136	1338	17.78	Yes	0.085	1241.5	1200 D
F9D210217(7):4103-0485A-HO	Aroclor 1248						
	647.6	580.2	10.41	Yes	0.106	649.0	720 D

Note(s):

All laboratory results were reported from column A. Column B used for confirmation.

D denotes sample diluted due to high concentrations of target analytes.

Diff denotes difference.

ID denotes identifier.

Table 75
Package Completeness Checklist for Lot F9D280194 (Batch 9120336)

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	Yes	Sample Temperature 4 degrees Centigrade
Chain-Of-Custody Documentation	yes	
Communication records	no	

Table 76
Results of Review of Package F9D280194 for Polychlorinated Biphenyls (Batch 9120336)

Matrix	QA/QC Element	Control Limits	Findings			
			Field ID	Laboratory ID	%R	
Soils	Surrogate (DCB)	42-150%				All Acceptable
	ICAL	Acceptable				
	CCAL	Acceptable				
			LCS %R	LCSD %R	RPD	
	LCS/LCSD-Ar 1016	74-130%; 20% RPD	103	NA	NA	
	LCS/LCSD-Ar 1260	73-139%; 20% RPD	101	NA	NA	
	Method Blank	<RL (33 µg/kg)	ND			
			MS %R	MSD %R	RPD	
	MS/MSD-Ar 1016	42-150%, 30% RPD	94	95	1.3	
	MS/MSD-Ar 1260	44-150%, 30% RPD	98	98	0.42	
	Field Dup	50 % RPD	Value 1	Value 2	RPD	
	4102-0340B-HO,HD		ND	ND	NA	

Note(s):
%R denotes percent recovery.
µg/kg denotes microgram(s) per kilogram.
Ar denotes Aroclor.
CCAL denotes continued calibration.
DCB denotes dichlorobenzene.
Dup denotes duplicate.
ICAL denotes initial calibration.
ID denotes identifier.
LCS denotes laboratory control sample.
LCSD denotes laboratory control sample duplicate.
MS denotes matrix spike.
MSD denotes matrix spike duplicate.
NA denotes not applicable.
ND denotes not detected.
QA denotes quality assurance.
QC denotes quality control.
RPD denotes relative percent difference.

Table 77
Polychlorinated Biphenyl Confirmations – Lot F9D280194 (Batch 9120336)

Laboratory ID / Client ID	Column A Value 1	Column B Value 2	% Diff	Acceptable? (<40%)	Relative Moisture	Lowest Value Moisture Corrected	Laboratory Reported Value
F9D280194(4):4102-0338B-HO	Aroclor 1254						
	8.671	11.54	33.09	Yes	0.079	9.41	9.4 J
F9D280194(5):4102-0339B-HO	Aroclor 1254						
	288.2	315.3	9.40	Yes	0.077	312.2	310
F9D280194(9):4102-0342B-HO	Aroclor 1242						
	32.58	39.5	21.09	Yes	0.117	36.9	37
F9D280194(12):4102-0345B-HO	Aroclor 1254						
	13.33	17.49	31.21	Yes	0.074	14.4	14 J
F9D280194(14):4102-0347B-HO	Aroclor 1254						
	5.814	7.664	31.82	Yes	0.084	6.3	6.3 J

Note(s):

All laboratory results were reported from column A. Column B used for confirmation.

Diff denotes difference.

ID denotes identifier.

J denotes result less than reporting limit.

Table 78
Package Completeness Checklist for Lot F9D280194 (Batch 9120337)

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers used in the report	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	
Sample Receipt	yes	Sample Temperature 4 degrees Centigrade
Chain-Of-Custody Documentation	yes	
Communication records	no	

Table 79
Results of Review of Package F9D280194 for Polychlorinated Biphenyls (Batch 9120337)

Matrix	QA/QC Element	Control Limits	Findings			
			Field ID	Laboratory ID	%R	
Soils	Surrogate (DCB)	42-150%				All Acceptable
	ICAL	Acceptable				
	CCAL	Acceptable				
			LCS %R	LCSD %R	RPD	
	LCS/LCSD-Ar 1016	74-130%; 20% RPD	96	NA	NA	
	LCS/LCSD-Ar 1260	73-139%; 20% RPD	97	NA	NA	
	Method Blank	<RL (33 μg/kg)	ND			
			MS %R	MSD %R	RPD	
	MS/MSD-Ar 1016	42-150%, 30% RPD	91	104	13	
	MS/MSD-Ar 1260	44-150%, 30% RPD	100	104	4.0	
	Field Dup	50 % RPD	Value 1	Value 2	RPD	
	NA		NA	NA	NA	

Note(s):
%R denotes percent recovery.
μg/kg denotes microgram(s) per kilogram.
Ar denotes Aroclor.
CCAL denotes continued calibration.
DCB denotes dichlorobenzene.
Dup denotes duplicate.
ICAL denotes initial calibration.
ID denotes identifier.
LCS denotes laboratory control sample.
LCSD denotes laboratory control sample duplicate.
MS denotes matrix spike.
MSD denotes matrix spike duplicate.
NA denotes not applicable.
ND denotes not detected.
QA denotes quality assurance.
QC denotes quality control.
RL denotes reporting limit.
RPD denotes relative percent difference.

Table 80
Polychlorinated Biphenyl Confirmations – Lot F9D280194 (Batch 9120337)

Laboratory ID / Client ID	Column A Value 1	Column B Value 2	% Diff	Acceptable? (<40%)	Relative Moisture	Lowest Value Moisture Corrected	Laboratory Reported Value
F9D280194(21):4103-0564A-HO	Aroclor 1254						
	6.64	8.09	21.84	Yes	0.236	8.69	8.7 J

Note(s):
All laboratory results were reported from column A. Column B used for confirmation.
Diff denotes difference.
ID denotes identifier.
J denotes result less than reporting limit.

Table 81
Package Completeness Checklist for Lot F9D280217

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 82
Alpha Spectroscopy Quality Control Review for Lot # F9D280217

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9120424	NA	(Laboratory LCS)	F9D300000-424C	70	Yes	95	NA	89	103	NA
9120424	NA	(Laboratory MB)	F9D300000-424B	86	Yes	97	NA	89	103	NA
NA	9120427	(Laboratory LCS)	F9D300000-427C	71	Yes	NA	82	NA	NA	115
NA	9120427	(Laboratory MB)	F9D300000-427B	57	Yes	NA	89	NA	NA	115
9120424	9120427	4105-0854A-FO	F9D280217-001	9 / 1	Yes	92	53	89	103	115
9120424	9120427	(Laboratory Dup)	F9D280217-001X	11 / 3	Yes	93	54	89	103	115
9120424	9120427	4105-0855A-FO	F9D280217-002	12 / 4	Yes	92	62	89	103	115
9120424	9120427	4105-0856A-FO	F9D280217-003	22 / 7	Yes	107	50	89	103	115
9120424	9120427	4105-0857A-FO	F9D280217-004	23 / 55	Yes	97	74	89	103	115
9120424	9120427	4105-0858A-FO	F9D280217-005	24 / 52	Yes	91	40	89	103	115
9120424	9120427	4105-0859A-FO	F9D280217-006	52 / 53	Yes	86	34	89	103	115
9120424	9120427	4105-0860A-FO	F9D280217-007	53 / 54	Yes	75	54	89	103	115
9120424	9120427	4105-0861A-FO	F9D280217-008	54 / 58	Yes	90	51	89	103	115
9120424	9120427	4105-0862A-FO	F9D280217-009	58 / 59	Yes	81	59	89	103	115
9120424	9120427	4105-0863A-FO	F9D280217-010	59 / 60	Yes	78	49	89	103	115
9120424	9120427	4105-0864A-FO	F9D280217-011	60 / 61	Yes	102	56	89	103	115
9120424	9120427	4105-0864A-FD	F9D280217-012	61 / 62	Yes	91	51	89	103	115

Table 82 (Continued)
Alpha Spectroscopy Quality Control Review for Lot # F9D280217

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9120424	9120427	4105-0865A-FO	F9D280217-013	62 / 63	Yes	97	62	89	103	115
9120424	9120427	4104-0866A-FO	F9D280217-014	63 / 64	Yes	101	51	89	103	115
9120424	9120427	4104-0714A-FO	F9D280217-015	64 / 65	Yes	103	37	89	103	115
9120424	9120427	4104-0715A-FO	F9D280217-016	65 / 67	Yes	89	47	89	103	115
9120424	9120427	4104-0716A-FO	F9D280217-017	67 / 72	Yes	97	88	89	103	115
9120424	9120427	4104-0717A-FO	F9D280217-018	90 / 73	Yes	95	39	89	103	115
9120424	9120427	4104-0718A-FO	F9D280217-019	82 / 74	Yes	91	32	89	103	115
9120424	9120427	4104-0719A-FO	F9D280217-020	74 / 1	Yes	90	40	89	103	115
9120533	NA	(Laboratory LCS)	F9D300000-533C	93	Yes	92	NA	97	106	NA
9120533	NA	(Laboratory MB)	F9D300000-533B	78	Yes	103	NA	97	106	NA
NA	9120534	(Laboratory LCS)	F9D300000-534C	71	Yes	NA	86	NA	NA	86
NA	9120534	(Laboratory MB)	F9D300000-534B	57	Yes	NA	91	NA	NA	86
9120533	9120534	4104-0720A-FO	F9D280217-021	87 / 1	Yes	96	55	97	106	86
9120533	9120534	4104-0720A-FO	F9D280217-021X	88 / 3	Yes	100	58	97	106	86
9120533	9120534	4104-0722A-FO	F9D280217-022	89 / 4	Yes	89	59	97	106	86
9120533	9120534	4104-0723A-FO	F9D280217-023	75 / 7	Yes	98	47	97	106	86
9120533	9120534	4104-0724A-FO	F9D280217-024	76 / 55	Yes	97	59	97	106	86
				Monthly Background	Yes					

Table 82 (Continued)
Alpha Spectroscopy Quality Control Review for Lot # F9D280217

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
				Monthly Calibration	Yes					

Uranium Batch	Uranium		Daily Pulser		Tracer Yield and Limits	Pass	LCS and Limits		Pass
	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)		Uranium-234 (69-125%)	Uranium-238 (68-121%)	
9120429	(Laboratory LCS)	F9D300000-429C	71	Yes	93	Yes	103	92	Yes
9120429	(Laboratory MB)	F9D300000-429B	70	Yes	96	Yes	103	92	
9120429	4105-0854A-FO	F9D280217-001	3	Yes	93	Yes	103	92	
9120429	(Laboratory Dup)	F9D280217-001X	4	Yes	97	Yes	103	92	
9120429	4105-0855A-FO	F9D280217-002	7	Yes	99	Yes	103	92	
9120429	4105-0856A-FO	F9D280217-003	55	Yes	107	Yes	103	92	
9120429	4105-0857A-FO	F9D280217-004	11	Yes	94	Yes	103	92	
9120429	4105-0858A-FO	F9D280217-005	12	Yes	88	Yes	103	92	
9120429	4105-0859A-FO	F9D280217-006	13	Yes	92	Yes	103	92	
9120429	4105-0860A-FO	F9D280217-007	14	Yes	77	Yes	103	92	
9120429	4105-0861A-FO	F9D280217-008	15	Yes	100	Yes	103	92	
9120429	4105-0862A-FO	F9D280217-009	16	Yes	85	Yes	103	92	

Table 82 (Continued)
Alpha Spectroscopy Quality Control Review for Lot # F9D280217

Uranium Batch	Uranium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
			Det No.						
	Field ID	Laboratory ID	Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9120429	4105-0863A-FO	F9D280217-010	18	Yes	98	Yes	103	92	
9120429	4105-0864A-FO	F9D280217-011	19	Yes	102	Yes	103	92	
9120429	4105-0864A-FD	F9D280217-012	22	Yes	95	Yes	103	92	
9120429	4105-0865A-FO	F9D280217-013	23	Yes	94	Yes	103	92	
9120429	4104-0866A-FO	F9D280217-014	24	Yes	95	Yes	103	92	
9120429	4104-0714A-FO	F9D280217-015	52	Yes	92	Yes	103	92	
9120429	4104-0715A-FO	F9D280217-016	53	Yes	91	Yes	103	92	
9120429	4104-0716A-FO	F9D280217-017	62	Yes	94	Yes	103	92	
9120429	4104-0717A-FO	F9D280217-018	58	Yes	100	Yes	103	92	
9120429	4104-0718A-FO	F9D280217-019	59	Yes	103	Yes	103	92	
9120429	4104-0719A-FO	F9D280217-020	60	Yes	97	Yes	103	92	
9120536	(Laboratory LCS)	F9D300000-536C	7	Yes	103	Yes	89	78	Yes
9120536	(Laboratory MB)	F9D300000-536B	57	Yes	91	Yes	89	78	
9120536	4104-0720A-FO	F9D280217-021	1	Yes	100	Yes	89	78	
9120536	4104-0720A-FO	F9D280217-021X	3	Yes	90	Yes	89	78	
9120536	4104-0722A-FO	F9D280217-022	4	Yes	86	Yes	89	78	
9120536	4104-0723A-FO	F9D280217-023	7	Yes	92	Yes	89	78	
9120536	4104-0724A-FO	F9D280217-024	55	Yes	104	Yes	89	78	

Table 82 (Continued)
Alpha Spectroscopy Quality Control Review for Lot # F9D280217

Uranium Batch	Uranium		Daily Pulser		Tracer Yield and Limits	Pass	LCS and Limits		Pass
			Det No.						
	Field ID	Laboratory ID	Uranium	Pass	Uranium-232 (30-110%)		Uranium-234 (69-125%)	Uranium-238 (68-121%)	
			Monthly Background	Yes					
			Monthly Calibration	Yes					

Sample Duplicates

Batch	Isotope	Laboratory Duplicate (4105-0854A-FO)			Field Duplicate (4105-0864A-FO)			MB (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9120424	Plutonium-238	0.372	0.359	4	0.031	0.024	25	U
9120424	Plutonium-239/240	0.02 (U)	0.007 (U)	NA	-0.0017 (U)	-0.0019 (U)	NA	U
9120427	Thorium-228	0.33	0.38	13	1.05	1.12	6.5	J
9120427	Thorium-230	0.52	0.64	20	0.88	1.17	28	J
9120427	Thorium-232	0.28	0.42	40	1.18	1.32	11	U
9120429	Uranium-233/234	0.438	0.438	0.04	0.79	0.89	12	U
9120429	Uranium-235	0.036 (J)	0.009 (U)	NA	0.030 (J)	0.032 (J)	6.5	U
9120429	Uranium-238	0.366	0.402	9	0.82	0.82	0	J

Table 82 (Continued)
Alpha Spectroscopy Quality Control Review for Lot # F9D280217

Batch	Isotope	Laboratory Duplicate (4104-0720A-FO)			Field Duplicate			Method Blank (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9120533	Plutonium-238	0.0143	0.0188	27	NA	NA	NA	U
9120533	Plutonium-239/240	-0.009 (U)	-0.009 (U)	NA	NA	NA	NA	U
9120534	Thorium-228	1.09	1.35	21	NA	NA	NA	U
9120534	Thorium-230	0.82	1.31	46	NA	NA	NA	U
9120534	Thorium-232	1.17	1.26	8	NA	NA	NA	U
9120536	Uranium-233/234	0.98	0.99	1.0	NA	NA	NA	J
9120536	Uranium-235	0.041 (J)	0.042 (J)	2.4	NA	NA	NA	U
9120536	Uranium-238	0.85	0.92	7.9	NA	NA	NA	U

Batch	Isotope	Laboratory Duplicate (4105-0854A-FO)			Field Duplicate (4105-0864A-FO)			CL: 0-50%
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	
9120384	Actinium-228	N/D	N/D	NA	1.51	0.62	84	Act<2X MDC
9120384	Bismuth-214	0.45	0.35	27	0.90	0.87	3.4	
9120384	Radium-226	0.45	0.35	27	0.90	0.87	3.4	
9120384	Bismuth-212	N/D	N/D	NA	1.66	N/D	NA	
9120384	Lead-212	0.293	0.200	39	1.02	0.66	43	
9120384	Lead-214	0.42	0.27	42	0.78	0.65	18	
9120384	Potassium-40	6.9	4.5	42	29.2	22.4	26	
9120384	Tl-208	N/D	N/D	NA	0.38	0.36	5	

Table 82 (Continued)
Alpha Spectroscopy Quality Control Review for Lot # F9D280217

		Laboratory Duplicate (4105-0865A-FO)			Field Duplicate			
9120385	Ac-228	0.99	1.04	5	NA	NA	NA	
9120385	Bi-214	0.93	0.70	29	NA	NA	NA	
9120385	Ra-226	0.93	0.70	29	NA	NA	NA	
9120385	Pb-212	0.88	0.98	11	NA	NA	NA	
9120385	Pb-214	0.77	0.77	0.02	NA	NA	NA	
9120385	K-40	21.7	18.3	17	NA	NA	NA	
9120385	Tl-208	0.32	0.402	24	NA	NA	NA	

Note(s):
CL denotes control limit.
Det No. denotes detector number.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
MB denotes method blank.
MDC denotes maximum detectable concentration.
NA denotes not applicable.
pCi/g denotes picoCurie(s) per gram.
Pu denotes plutonium.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 83
Gamma Spectroscopy Quality Control Review for Lot # F9D280217

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)	Inst. Det No.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL		Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9120384	(Laboratory LCS)	F9D300000-384C	101	108	102		6	Yes	Yes	Yes [a]
9120384	(Laboratory MB)	F9D300000-384B	101	108	102	All "U"	4	Yes	Yes	Yes [a]
9120384	4104-0615A-HO	F9D100239-001	101	108	102		3	Yes	Yes	Yes [a]
9120384	(Laboratory Dup)	F9D100239-001X	101	108	102		1	Yes	Yes	Yes [a]
9120384	4104-0639A-HO	F9D100239-002	101	108	102		1	Yes	Yes	Yes [a]
9120384	4104-0639A-HD	F9D100239-003	101	108	102		8	Yes	Yes	Yes [a]
9120384	4104-0651A-HO	F9D100239-004	101	108	102		1	Yes	Yes	Yes [a]
9120384	4104-0652A-HO	F9D100239-005	101	108	102		4	Yes	Yes	Yes [a]
9120384	4104-0657A-HO	F9D100239-006	101	108	102		8	Yes	Yes	Yes [a]
9120384	4104-0661A-HO	F9D100239-007	101	108	102		1	Yes	Yes	Yes [a]
9120384	4104-0668A-HO	F9D100239-008	101	108	102		8	Yes	Yes	Yes [a]
9120384	4104-0689A-HO	F9D100239-009	101	108	102		5	Yes	Yes	Yes [a]
9120384	4104-0697A-HO	F9D100239-010	101	108	102		7	Yes	Yes	Yes [a]
9120384	4104-0700A-HO	F9D100239-011	101	108	102		8	Yes	Yes	Yes [a]
9120384	4104-0634A-HO	F9D100239-012	101	108	102		1	Yes	Yes	Yes [a]
9120385	(Laboratory LCS)	F9D300000-385C	103	106	99		6	Yes	Yes	Yes [a]
9120385	(Laboratory MB)	F9D300000-385B	103	106	99	All "U"	4	Yes	Yes	Yes [a]
9120385	4105-0865A-HO	F9D100239-013	103	106	99		2	Yes	Yes	Yes [a]

Table 83 (Continued)
Gamma Spectroscopy Quality Control Review for Lot # F9D280217

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)	Inst. Det No.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL		Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9120385	(Laboratory Dup)	F9D100239-013X	103	106	99		1	Yes	Yes	Yes [a]
9120385	4104-0866A-FO	F9D280217-014	103	106	99		3	Yes	Yes	Yes [a]
9120385	4104-0714A-FO	F9D280217-015	103	106	99		7	Yes	Yes	Yes [a]
9120385	4104-0715A-FO	F9D280217-016	103	106	99		8	Yes	Yes	Yes [a]
9120385	4104-0716A-FO	F9D280217-017	103	106	99		1	Yes	Yes	Yes [a]
9120385	4104-0717A-FO	F9D280217-018	103	106	99		5	Yes	Yes	Yes [a]
9120385	4104-0718A-FO	F9D280217-019	103	106	99		5	Yes	Yes	Yes [a]
9120385	4104-0719A-FO	F9D280217-020	103	106	99		1	Yes	Yes	Yes [a]
9120385	4104-0720A-FO	F9D280217-021	103	106	99		4	Yes	Yes	Yes [a]
9120385	4104-0722A-FO	F9D280217-022	103	106	99		2	Yes	Yes	Yes [a]
9120385	4104-0723A-FO	F9D280217-023	103	106	99		4	Yes	Yes	Yes [a]
9120385	4104-0724A-FO	F9D280217-024	103	106	99		5	Yes	Yes	Yes [a]

Note(s):

[a] *Eff. raw data not included in package.*

Am denotes americium. *Co denotes cobalt.* *Cs denotes cesium.*
Det No. denotes detector number. *Dup denotes duplicate.* *ID denotes identifier.*
LCS denotes laboratory control sample. *MB denotes method blank.* *pCi/g denotes picoCurie(s) per gram.*
RL denotes reporting limit. *U denotes result is less than the sample detection.*

Table 84
Package Completeness Checklist for Lot F9E120160

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 85
Alpha Spectroscopy Quality Control Review for Lot F9E120160

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9133209	NA	(Laboratory LCS)	F9E130000-209C	51	Yes	99	NA	84	91	NA
9133209	NA	(Laboratory MB)	F9E130000-209B	83	Yes	85	NA	84	91	NA
NA	9138375	(Laboratory LCS)	F9E180000-375C	71	Yes	NA	90	NA	NA	102
NA	9138375	(Laboratory MB)	F9E180000-375B	70	Yes	NA	87	NA	NA	102
9133209	9138375	4103-0487A-HO	F9E120160-001	75 / 65	Yes	92	69	84	91	102
9133209	9138375	(Laboratory Dup)	F9E120160-001X	76 / 67	Yes	85	64	84	91	102
9133209	9138375	4103-0512A-HO	F9E120160-002	78 / 72	Yes	91	76	84	91	102
9133209	9138375	4103-0532A-HO	F9E120160-003	14 / 73	Yes	98	87	84	91	102
9133209	9138375	4103-0549A-HO	F9E120160-004	15 / 74	Yes	85	64	84	91	102
9133209	9138375	4103-0551A-HO	F9E120160-005	16 / 9	Yes	86	76	84	91	102
9133209	9138375	4103-0554A-HO	F9E120160-006	19 / 10	Yes	83	78	84	91	102
9133209	9138375	4103-0565A-HO	F9E120160-007	21 / 11	Yes	88	69	84	91	102
9133209	9138375	4103-0566A-HO	F9E120160-008	22 / 12	Yes	83	27 [a]	84	91	102
9133209	9138375	4103-0574A-HO	F9E120160-009	23 / 13	Yes	88	84	84	91	102
9133209	9138375	4103-0574A-HD	F9E120160-010	24 / 14	Yes	91	68	84	91	102
9133209	9138375	4103-0575A-HO	F9E120160-011	52 / 15	Yes	92	74	84	91	102
9133209	9138375	4103-0583A-HO	F9E120160-012	79 / 16	Yes	92	72	84	91	102
9133209	9138375	4104-0721A-FO	F9E120160-013	54 / 19	Yes	94	57	84	91	102

Table 85 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E120160

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9133209	9138375	4104-0725A-FO	F9E120160-014	80 / 74	Yes	97	52	84	91	102
9133209	9138375	4104-0726A-FO	F9E120160-015	60 / 21	Yes	92	78	84	91	102
9133209	9138375	4104-0726A-FD	F9E120160-016	61 / 22	Yes	88	70	84	91	102
9133209	9138375	4104-0999A-FO	F9E120160-017	82 / 23	Yes	83	70	84	91	102
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9133216	(Laboratory LCS)	F9E130000-216C	66	Yes	86	Yes	92	104	Yes
9133216	(Laboratory MB)	F9E130000-216B	57	Yes	95	Yes	92	104	
9133216	4103-0487A-HO	F9E120160-001	63	Yes	104	Yes	92	104	
9133216	(Laboratory Dup)	F9E120160-001X	64	Yes	90	Yes	92	104	
9133216	4103-0512A-HO	F9E120160-002	65	Yes	93	Yes	92	104	
9133216	4103-0532A-HO	F9E120160-003	67	Yes	86	Yes	92	104	
9133216	4103-0549A-HO	F9E120160-004	72	Yes	95	Yes	92	104	

Table 85 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E120160

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9133216	4103-0551A-HO	F9E120160-005	73	Yes	86	Yes	92	104	
9133216	4103-0554A-HO	F9E120160-006	74	Yes	90	Yes	92	104	
9133216	4103-0565A-HO	F9E120160-007	9	Yes	96	Yes	92	104	
9133216	4103-0566A-HO	F9E120160-008	11	Yes	88	Yes	92	104	
9133216	4103-0574A-HO	F9E120160-009	12	Yes	92	Yes	92	104	
9133216	4103-0574A-HD	F9E120160-010	13	Yes	88	Yes	92	104	
9133216	4103-0575A-HO	F9E120160-011	14	Yes	92	Yes	92	104	
9133216	4103-0583A-HO	F9E120160-012	15	Yes	95	Yes	92	104	
9133216	4104-0721A-FO	F9E120160-013	16	Yes	82	Yes	92	104	
9133216	4104-0725A-FO	F9E120160-014	21	Yes	88	Yes	92	104	
9133216	4104-0726A-FO	F9E120160-015	22	Yes	94	Yes	92	104	
9133216	4104-0726A-FD	F9E120160-016	23	Yes	80	Yes	92	104	
9133216	4104-0999A-FO	F9E120160-017	24	Yes	78	Yes	92	104	
			Monthly Background	Yes					
			Monthly Calibration	Yes					

Table 85 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E120160

Sample Duplicates								
Lot # F9E120160		Laboratory Duplicate (4103-0487A-HO)			Field Duplicate (4103-0574A-HO)			MB (pCi/g)
Batch	Isotope	Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9133209	Plutonium-238	0.048	0.049	1	0.67	0.178	116	U
9133209	Plutonium-239/240	-0.001 (U)	0.0 (U)	NA	0.012	0.009 (U)	29	U
9138375	Thorium-228	1.16	1.40	19	1.05	1.39	28	U
9138375	Thorium-230	1.17	0.97	19	0.74	1.20	47	J
9138375	Thorium-232	1.25	1.39	10	1.09	1.46	29	U
9133216	Uranium-233/234	0.73	0.80	9	0.76	0.97	24	U
9133216	Uranium-235	0.069 (J)	0.057 (J)	19	0.045	0.041	9	U
9133216	Uranium-238	0.69	0.89	24	0.79	0.95	18	U

Batch	Isotope	Laboratory Duplicate			Field Duplicate (4104-0726A-FO)			MB (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9133209	Plutonium-238	NA	NA	NA	2.74	3.03	10	U
9133209	Plutonium-239/240	NA	NA	NA	0.014 (U)	0.01 (U)	NA	U
9138375	Thorium-228	NA	NA	NA	0.51	0.56	9	U
9138375	Thorium-230	NA	NA	NA	0.81	0.79	2.5	J
9138375	Thorium-232	NA	NA	NA	0.57	0.57	0.0	U
9133216	Uranium-233/234	NA	NA	NA	0.57	0.81	35	U
9133216	Uranium-235	NA	NA	NA	0.018 (U)	0.059 (J)	NA	U
9133216	Uranium-238	NA	NA	NA	0.61	0.85	33	U

Table 85 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E120160

Batch	Isotope	Laboratory Duplicate (4103-0487A-HO)			Field Duplicate (4103-0574A-HO)			CL: 0-50%
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	
9133414	Actonium-228	0.92	1.09	17	1.43	1.38	3.6	
9133414	Bismuth-214	0.94	0.83	13	0.80	0.96	18	
9133414	Radium-226	0.94	0.83	13	0.80	0.96	18	
9133414	Bismuth-212	ND	ND	NA	1.26	1.41	11	
9133414	Lead-212	1.12	1.06	5	1.09	1.35	21	
9133414	Lead-214	0.93	0.70	28	0.90	0.86	4.5	
9133414	Potassium-40	35.2	30.0	16	32.2	39.9	21	
9133414	Thallium-208	0.44	0.41	7	0.40	0.52	26	

		Laboratory Duplicate			Field Duplicate (4104-0726A-FO)			
9133414	Actinium-228	NA	NA	NA	0.53	0.23 (U)	Act<MDC	
9133414	Bismuth214	NA	NA	NA	0.73	0.52	34	
9133414	Radium-226	NA	NA	NA	0.73	0.52	34	
9133414	Lead-212	NA	NA	NA	0.39	0.448	14	
9133414	Lead -214	NA	NA	NA	0.57	0.43	28	

Table 85 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E120160

		Laboratory Duplicate			Field Duplicate (4104-0726A-FO)			
9133414	Potassium-40	NA	NA	NA	12.3	8.0	42	
9133414	Thallium-208	NA	NA	NA	0.175	0.145	19	

Note(s):

[a] *Tracer recovery below 30% QC limit. Thorium results for sample F9E120160-008: 4103-0566A-HO should be qualified as J as estimates.*

CL denotes control limit.

Det No. denotes detector number.

Dup denotes duplicate.

ID denotes identifier.

J denotes result is greater than sample detection limit but less than stated reporting limit.

LCS denotes laboratory control sample.

MB denotes method blank.

MDC denotes maximum detectable concentration.

NA denotes not applicable.

ND denotes not detected.

pCi/g denotes picoCurie(s) per gram.

Pu denotes plutonium.

RL denotes reporting limit.

RPD denotes relative percent difference.

Th denotes thorium.

U denotes result is less than the sample detection limit.

Table 86
Gamma Spectroscopy Quality Control Review for Lot F9E120160

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)	Inst. Det No.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL		Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9133414	(Laboratory LCS)	F9E130000-414C	103	105	100		8	Yes	Yes	Yes [a]
9133414	(Laboratory MB)	F9E130000-414B	103	105	100	All "U"	3	Yes	Yes	Yes [a]
9133414	4103-0487A-HO	F9E120160-001	103	105	100		2	Yes	Yes	Yes [a]
9133414	(Laboratory Dup)	F9E120160-001X	103	105	100		3	Yes	Yes	Yes [a]
9133414	4103-0512A-HO	F9E120160-002	103	105	100		3	Yes	Yes	Yes [a]
9133414	4103-0532A-HO	F9E120160-003	103	105	100		8	Yes	Yes	Yes [a]
9133414	4103-0549A-HO	F9E120160-004	103	105	100		2	Yes	Yes	Yes [a]
9133414	4103-0551A-HO	F9E120160-005	103	105	100		2	Yes	Yes	Yes [a]
9133414	4103-0554A-HO	F9E120160-006	103	105	100		8	Yes	Yes	Yes [a]
9133414	4103-0565A-HO	F9E120160-007	103	105	100		3	Yes	Yes	Yes [a]
9133414	4103-0566A-HO	F9E120160-008	103	105	100		2	Yes	Yes	Yes [a]
9133414	4103-0574A-HO	F9E120160-009	103	105	100		2	Yes	Yes	Yes [a]
9133414	4103-0574A-HD	F9E120160-010	103	105	100		3	Yes	Yes	Yes [a]
9133414	4103-0575A-HO	F9E120160-011	103	105	100		2	Yes	Yes	Yes [a]
9133414	4103-0583A-HO	F9E120160-012	103	105	100		3	Yes	Yes	Yes [a]
9133414	4104-0721A-FO	F9E120160-013	103	105	100		8	Yes	Yes	Yes [a]
9133414	4104-0725A-FO	F9E120160-014	103	105	100		3	Yes	Yes	Yes [a]
9133414	4104-0726A-FO	F9E120160-015	103	105	100		8	Yes	Yes	Yes [a]

Table 86 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F9E120160

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)	Inst. Det No.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL		Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9133414	4104-0726A-FD	F9E120160-016	103	105	100		3	Yes	Yes	Yes [a]
9133414	4104-0999A-FO	F9E120160-017	103	105	100		8	Yes	Yes	Yes [a]

Note(s):

[a] *Eff. raw data not included in package.*

%R denotes percent recovery.
Am denotes americium.
Co denotes cobalt.
Cs denotes cesium.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
LCS denotes laboratory control sample.
MB denotes method blank.
pCi/g denotes picoCurie(s) per gram.
RL denotes reporting limit.
U denotes result is less than sample detection limit.

Table 87
Package Completeness Checklist for Lot F9E150141

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 88
Alpha Spectroscopy Quality Control Review for Lot F9E150141

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9138227	NA	(Laboratory LCS)	F9E180000-227C	51	Yes	90	NA	102	100	NA
9138227	NA	(Laboratory MB)	F9E180000-227B	93	Yes	91	NA	102	100	NA
9142330	NA	(Laboratory LCS)	F9E220000-330C	76	Yes	103 / 90	NA	85 / 103	91 / 103	NA
9142330	NA	(Laboratory MB)	F9E220000-330B	75	Yes	94	NA	85 / 103	91 / 103	NA
NA	9138229	(Laboratory LCS)	F9E180000-229C	71	Yes	NA	55	NA	NA	97
NA	9138229	(Laboratory MB)	F9E180000-229B	70	Yes	NA	98	NA	NA	97
NA	9142331	(Laboratory LCS)	F9E220000-331C	93	Yes	NA	84 / 80	NA	NA	97 / 93
NA	9142331	(Laboratory MB)	F9E220000-331B	92	Yes	NA	94	NA	NA	97 / 93
9138227	9138229	4102-0359A-FO	F9E150141-001	76 / 53	Yes	88	51	102	100	97
9138227	9138229	(Laboratory Dup)	F9E150141-001X	78 / 54	Yes	86	41	102	100	97
9138227	9142331	4102-0360A-FO	F9E150141-002	53 / 11	Yes	94	54	102	100	97 / 93
9138227	9138229	4102-0361A-FO	F9E150141-003	54 / 60	Yes	90	41	102	100	97
9138227	9138229	4102-0361A-FD	F9E150141-004	58 / 61	Yes	88	60	102	100	97
9138227	9138229	4102-0350A-FO	F9E150141-005	60 / 62	Yes	86	39	102	100	97
9138227	9138229	4102-0351A-FO	F9E150141-006	61 / 63	Yes	88	61	102	100	97
9138227	9138229	4102-0352A-FO	F9E150141-007	62 / 64	Yes	85	48	102	100	97
9138227	9138229	4102-0353A-FO	F9E150141-008	63 / 65	Yes	100	41	102	100	97
9138227	9138229	4102-0354A-FO	F9E150141-009	64 / 67	Yes	62	38	102	100	97

Table 88 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E150141

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9138227	9138229	4102-0355A-FO	F9E150141-010	65 / 72	Yes	91	71	102	100	97
9138227	9138229	4102-0356A-FO	F9E150141-011	67 / 73	Yes	80	44	102	100	97
9138227	9138229	4102-0357A-FO	F9E150141-012	72 / 74	Yes	82	41	102	100	97
9138227	9138229	4102-0358A-FO	F9E150141-013	73 / 9	Yes	79	58	102	100	97
9138227	9138229	4103-0589A-FO	F9E150141-014	9 / 10	Yes	91	32	102	100	97
9138227	9138229	4103-0590A-FO	F9E150141-015	10 / 11	Yes	83	49	102	100	97
9138227	9142331	4103-0591A-FO	F9E150141-016	11 / 12	Yes	77	76	102	100	97 / 93
9142330	9138229	4103-0592A-FO	F9E150141-017	9 / 13	Yes	90	33	85 / 103	91 / 103	97
9138227	9142331	4103-0593A-FO	F9E150141-018	82 / 13	Yes	84	83	102	100	97 / 93
9138227	9138229	4103-0594A-FO	F9E150141-019	14 / 14	Yes	89	75	102	100	97
9138227	9138229	4103-0595A-FO	F9E150141-020	15 / 15	Yes	86	63	102	100	97
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Table 88 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E150141

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9138470	NA	(Laboratory LCS)	F9E180000-470C	93	Yes	89	NA	95	96	NA
9138470	NA	(Laboratory MB)	F9E180000-470B	92	Yes	95	NA	95	96	NA
NA	9138471	(Laboratory LCS)	F9E180000-471C	98	Yes	NA	91	NA	NA	97
NA	9138471	(Laboratory MB)	F9E180000-471B	97	Yes	NA	92	NA	NA	97
9138470	9138471	4103-0596A-FO	F9E150141-021	16 / 21	Yes	93	35	95	96	97
9138470	9138471	(Laboratory Dup)	F9E150141-021X	19 / 22	Yes	97	25 *	95	96	97
9138470	9138471	4103-0597A-FO	F9E150141-022	21 / 23	Yes	101	62	95	96	97
9138470	9142331	4103-0598A-FO	F9E150141-023	80 / 16	Yes	88	48	95	96	97 / 93
9138470	9138471	4103-0599A-FO	F9E150141-024	23 / 52	Yes	76	39	95	96	97
9138470	9138471	4103-0600A-FO	F9E150141-025	24 / 53	Yes	93	41	95	96	97
9138470	9138471	4103-0601A-FO	F9E150141-026	52 / 54	Yes	95	41	95	96	97
9138470	9138471	4108-0731A-HO	F9E150141-027	82 / 58	Yes	91	57	95	96	97
9138470	9138471	4108-0742A-HO	F9E150141-028	83 / 60	Yes	88	32	95	96	97
9138470	9138471	4108-0752A-HO	F9E150141-029	80 / 61	Yes	94	68	95	96	97
9138470	9138471	4108-0757A-HO	F9E150141-030	60 / 62	Yes	89	72	95	96	97
9142330	9138471	4108-0763A-HO	F9E150141-031	80 / 63	Yes	95	33	85 / 103	91 / 103	97
9138470	9138471	4108-0772A-HO	F9E150141-032	85 / 64	Yes	90	32	95	96	97
9138470	9142331	4108-0793A-HO	F9E150141-033	86 / 19	Yes	91	66	95	96	97 / 93

Table 88 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E150141

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9138470	9142331	4108-0797A-HO	F9E150141-034	87 / 21	Yes	87	62	95	96	97 / 93
9138470	9142331	4108-0803A-HO	F9E150141-035	88 / 22	Yes	64	59	95	96	97 / 93
9138470	9142331	4108-0819A-HO	F9E150141-036	89 / 23	Yes	89	52	95	96	97 / 93
9138470	9142331	4108-0820A-HO	F9E150141-037	90 / 24	Yes	91	61	95	96	97 / 93
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9138233	(Laboratory LCS)	F9E180000-233C	95	Yes	76	Yes	88	85	Yes
9138233	(Laboratory MB)	F9E180000-233B	94	Yes	90	Yes	88	85	
9138233	4102-0359A-FO	F9E150141-001	73	Yes	84	Yes	88	85	
9138233	(Laboratory Dup)	F9E150141-001X	74	Yes	86	Yes	88	85	
9138233	4102-0360A-FO	F9E150141-002	11	Yes	89	Yes	88	85	
9138233	4102-0361A-FO	F9E150141-003	12	Yes	89	Yes	88	85	
9138233	4102-0361A-FD	F9E150141-004	13	Yes	90	Yes	88	85	

Table 88 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E150141

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9138233	4102-0350A-FO	F9E150141-005	14	Yes	91	Yes	88	85	
9138233	4102-0351A-FO	F9E150141-006	15	Yes	94	Yes	88	85	
9138233	4102-0352A-FO	F9E150141-007	16	Yes	82	Yes	88	85	
9138233	4102-0353A-FO	F9E150141-008	19	Yes	86	Yes	88	85	
9138233	4102-0354A-FO	F9E150141-009	21	Yes	85	Yes	88	85	
9138233	4102-0355A-FO	F9E150141-010	22	Yes	82	Yes	88	85	
9138233	4102-0356A-FO	F9E150141-011	23	Yes	87	Yes	88	85	
9138233	4102-0357A-FO	F9E150141-012	24	Yes	91	Yes	88	85	
9138233	4102-0358A-FO	F9E150141-013	52	Yes	91	Yes	88	85	
9138233	4103-0589A-FO	F9E150141-014	53	Yes	81	Yes	88	85	
9138233	4103-0590A-FO	F9E150141-015	54	Yes	93	Yes	88	85	
9138233	4103-0591A-FO	F9E150141-016	58	Yes	88	Yes	88	85	
9138233	4103-0592A-FO	F9E150141-017	60	Yes	95	Yes	88	85	
9138233	4103-0593A-FO	F9E150141-018	61	Yes	84	Yes	88	85	
9138233	4103-0594A-FO	F9E150141-019	62	Yes	96	Yes	88	85	
9138233	4103-0595A-FO	F9E150141-020	63	Yes	98	Yes	88	85	
			Monthly Background	Yes					
			Monthly Calibration	Yes					

Table 88 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E150141

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9138472	(Laboratory LCS)	F9E180000-472C	71	Yes	92	Yes	88	92	Yes
9138472	(Laboratory MB)	F9E180000-472B	70	Yes	93	Yes	88	92	
9138472	4103-0596A-FO	F9E150141-021	64	Yes	88	Yes	88	92	
9138472	(Laboratory Dup)	F9E150141-021X	65	Yes	88	Yes	88	92	
9138472	4103-0597A-FO	F9E150141-022	67	Yes	89	Yes	88	92	
9138472	4103-0598A-FO	F9E150141-023	72	Yes	98	Yes	88	92	
9138472	4103-0599A-FO	F9E150141-024	73	Yes	93	Yes	88	92	
9138472	4103-0600A-FO	F9E150141-025	74	Yes	75	Yes	88	92	
9138472	4103-0601A-FO	F9E150141-026	11	Yes	81	Yes	88	92	
9138472	4108-0731A-HO	F9E150141-027	12	Yes	85	Yes	88	92	
9138472	4108-0742A-HO	F9E150141-028	13	Yes	95	Yes	88	92	
9138472	4108-0752A-HO	F9E150141-029	14	Yes	92	Yes	88	92	
9138472	4108-0757A-HO	F9E150141-030	15	Yes	92	Yes	88	92	
9138472	4108-0763A-HO	F9E150141-031	16	Yes	97	Yes	88	92	
9138472	4108-0772A-HO	F9E150141-032	19	Yes	83	Yes	88	92	
9138472	4108-0793A-HO	F9E150141-033	21	Yes	100	Yes	88	92	
9138472	4108-0797A-HO	F9E150141-034	22	Yes	91	Yes	88	92	
9138472	4108-0803A-HO	F9E150141-035	23	Yes	86	Yes	88	92	

Table 88 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E150141

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9138472	4108-0819A-HO	F9E150141-036	24	Yes	89	Yes	88	92	
9138472	4108-0820A-HO	F9E150141-037	52	Yes	96	Yes	88	92	
			Monthly Background	Yes					
			Monthly Calibration	Yes					

Sample Duplicates

Batch	Isotope	Laboratory Duplicate (4102-0359A-FO)			Field Duplicate (4102-0361A-FO)			MB (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9138227	Plutonium-238	0.099	0.055	56	15.2	8.10	61	U
9138227	Plutonium-239/240	0.0 (U)	0.002 (U)	NA	0.091	0.029 (U)	NA	U
9138229	Thorium-228	0.75	0.64	16	0.86	0.86	0	U
9138229	Thorium-230	0.64	0.74	15	1.20	0.77	44	J
9138229	Thorium-232	0.79	0.70	12	0.53	0.68	25	U
9138233	Uranium-233/234	0.62	0.50	21	1.01	0.75	30	U
9138233	Uranium-235	0.018 (U)	0.054 (J)	NA	0.065 (J)	0.038 (U)	NA	U
9138233	Uranium-238	0.58	0.55	5	0.98	0.81	19	U

Table 88 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E150141

Batch	Isotope	Laboratory Duplicate (4103-0596-FO)			Field Duplicate			MB (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9138470	Plutonium-238	0.194	0.252	26	NA	NA	NA	U
9138470	Plutonium-239/240	0.015 (U)	0.0 (U)	NA	NA	NA	NA	U
9138471	Thorium-228	1.07	1.15	7	NA	NA	NA	U
9138471	Thorium-230	0.99	1.16	16	NA	NA	NA	J
9138471	Thorium-232	0.96	0.84	14	NA	NA	NA	U
9138472	Uranium-233/234	0.80	0.68	16	NA	NA	NA	U
9138472	Uranium-235	0.068 (J)	0.045 (U)	NA	NA	NA	NA	U
9138472	Uranium-238	0.93	0.78	17	NA	NA	NA	U

Batch	Isotope	Laboratory Duplicate (4102-0359A-FO)			Field Duplicate (4102-0361A-FO)			CL: 0-50%
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	
9138449	Actinium-228	0.40	0.58	38	0.80	0.53	41	
9138449	Bismuth-214	0.47	0.55	15	0.67	0.46	37	
9138449	Radium-226	0.47	0.55	15	0.67	0.46	37	
9138449	Lead-212	0.52	0.52	0	0.68	0.62	9	
9138449	Lead-214	0.60	0.37	48	0.61	0.56	8.5	
9138449	Potassium-40	10.4	13.2	24	17.9	15.7	13	
9138449	Thallium-208	0.119	0.229	60	0.192	0.249	26	

Table 88 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9E150141

		Laboratory Duplicate (4103-0596-FO)			Field Duplicate		
9138450	Actinium-228	1.08	1.50	32	NA	NA	NA
9138450	Bismuth-214	0.71	0.91	25	NA	NA	NA
9138450	Radium-226	0.71	0.91	25	NA	NA	NA
9138450	Lead-212	1.03	1.08	5	NA	NA	NA
9138450	Lead-214	0.79	0.76	3	NA	NA	NA
9138450	Potassium-40	28.2	29.0	3	NA	NA	NA
9138450	Thallium-208	0.366	0.354	3	NA	NA	NA

Note(s):

[a] *Tracer recovery below 30% QC limit. Sample/sample duplicate RPDs acceptable. No action taken.*

Det No. denotes detector number.

Dup denotes duplicate.

ID denotes identifier.

J denotes result is greater than sample detection limit but less than stated reporting limit.

LCS denotes laboratory control sample.

MB denotes method blank.

NA denotes not applicable.

Pu denotes plutonium.

Th denotes thorium.

U denotes result is less than the sample detection limit.

Table 89
Gamma Spectroscopy Quality Control Review for Lot F9E150141

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)		Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL	Inst. Det No.	Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9138449	(Laboratory LCS)	F9E180000-449C	100	104	100		6	Yes	Yes	Yes [a]
9138449	(Laboratory MB)	F9E180000-449B	100	104	100	All "U"	5	Yes	Yes	Yes [a]
9138449	4102-0359A-FO	F9E150141-001	100	104	100		2	Yes	Yes	Yes [a]
9138449	(Laboratory Dup)	F9E150141-001X	100	104	100		1	Yes	Yes	Yes [a]
9138449	4102-0360A-FO	F9E150141-002	100	104	100		3	Yes	Yes	Yes [a]
9138449	4102-0361A-FO	F9E150141-003	100	104	100		2	Yes	Yes	Yes [a]
9138449	4102-0361A-FD	F9E150141-004	100	104	100		3	Yes	Yes	Yes [a]
9138449	4102-0350A-FO	F9E150141-005	100	104	100		5	Yes	Yes	Yes [a]
9138449	4102-0351A-FO	F9E150141-006	100	104	100		1	Yes	Yes	Yes [a]
9138449	4102-0352A-FO	F9E150141-007	100	104	100		2	Yes	Yes	Yes [a]
9138449	4102-0353A-FO	F9E150141-008	100	104	100		3	Yes	Yes	Yes [a]
9138449	4102-0354A-FO	F9E150141-009	100	104	100		5	Yes	Yes	Yes [a]
9138449	4102-0355A-FO	F9E150141-010	100	104	100		1	Yes	Yes	Yes [a]
9138449	4102-0356A-FO	F9E150141-011	100	104	100		2	Yes	Yes	Yes [a]
9138449	4102-0357A-FO	F9E150141-012	100	104	100		3	Yes	Yes	Yes [a]
9138449	4102-0358A-FO	F9E150141-013	100	104	100		5	Yes	Yes	Yes [a]
9138449	4103-0589A-FO	F9E150141-014	100	104	100		1	Yes	Yes	Yes [a]
9138449	4103-0590A-FO	F9E150141-015	100	104	100		2	Yes	Yes	Yes [a]

Table 8 (Continued)9
Gamma Spectroscopy Quality Control Review for Lot F9E150141

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)		Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL	Inst. Det No.	Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9138449	4103-0591A-FO	F9E150141-016	100	104	100		1	Yes	Yes	Yes [a]
9138449	4103-0592A-FO	F9E150141-017	100	104	100		2	Yes	Yes	Yes [a]
9138449	4103-0593A-FO	F9E150141-018	100	104	100		7	Yes	Yes	Yes [a]
9138449	4103-0594A-FO	F9E150141-019	100	104	100		3	Yes	Yes	Yes [a]
9138449	4103-0595A-FO	F9E150141-020	100	104	100		4	Yes	Yes	Yes [a]
9138450	(Laboratory LCS)	F9E180000-450C	100	105	99		8	Yes	Yes	Yes [a]
9138450	(Laboratory MB)	F9E180000-450B	100	105	99	All “U”	6	Yes	Yes	Yes [a]
9138450	4103-0596A-FO	F9E150141-021	100	105	99		5	Yes	Yes	Yes [a]
9138450	(Laboratory Dup)	F9E150141-021X	100	105	99		1	Yes	Yes	Yes [a]
9138450	4103-0597A-FO	F9E150141-022	100	105	99		8	Yes	Yes	Yes [a]
9138450	4103-0598A-FO	F9E150141-023	100	105	99		1	Yes	Yes	Yes [a]
9138450	4103-0599A-FO	F9E150141-024	100	105	99		5	Yes	Yes	Yes [a]
9138450	4103-0600A-FO	F9E150141-025	100	105	99		7	Yes	Yes	Yes [a]
9138450	4103-0601A-FO	F9E150141-026	100	105	99		8	Yes	Yes	Yes [a]
9138450	4108-0731A-HO	F9E150141-027	100	105	99		1	Yes	Yes	Yes [a]
9138450	4108-0742A-HO	F9E150141-028	100	105	99		7	Yes	Yes	Yes [a]
9138450	4108-0752A-HO	F9E150141-029	100	105	99		4	Yes	Yes	Yes [a]
9138450	4108-0757A-HO	F9E150141-030	100	105	99		5	Yes	Yes	Yes [a]
9138450	4108-0763A-HO	F9E150141-031	100	105	99		8	Yes	Yes	Yes [a]

Table 8 (Continued)9
Gamma Spectroscopy Quality Control Review for Lot F9E150141

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)		Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL	Inst. Det No.	Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9138450	4108-0772A-HO	F9E150141-032	100	105	99		8	Yes	Yes	Yes [a]
9138450	4108-0793A-HO	F9E150141-033	100	105	99		1	Yes	Yes	Yes [a]
9138450	4108-0797A-HO	F9E150141-034	100	105	99		5	Yes	Yes	Yes [a]
9138450	4108-0803A-HO	F9E150141-035	100	105	99		2	Yes	Yes	Yes [a]
9138450	4108-0819A-HO	F9E150141-036	100	105	99		7	Yes	Yes	Yes [a]
9138450	4108-0820A-HO	F9E150141-037	100	105	99		7	Yes	Yes	Yes [a]

Note(s):

[a] *Eff. raw data not included in package.*

Am denotes americium.
Cs denotes cesium.
Dup denotes duplicate.
LCS denotes laboratory control sample.
RL denotes reporting limit.
Co denotes cobalt.
Det No. denotes detector number.
ID denotes identifier.
MB denotes method blank.
U denotes result is less than the sample detection limit.

Table 90
Package Completeness Checklist for Lot F9F050209

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 91
Alpha Spectroscopy Quality Control Review for Lot F9F050209

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9162209	NA	(Laboratory LCS)	F9F110000-209C	75	Yes	88	NA	102	105	NA
9162209	NA	(Laboratory MB)	F9F110000-209B	96	Yes	91	NA	102	105	NA
NA	9162161	(Laboratory LCS)	F9F110000-161C	60	Yes	NA	87	NA	NA	97
NA	9162161	(Laboratory MB)	F9F110000-161B	45	Yes	NA	87	NA	NA	97
9162209	9162161	4101-0144B-HO	F9F050209-001	9 / 1	Yes	87	86	102	105	97
9162209	9162161	(Laboratory Dup)	F9F050209-001X	10 / 3	Yes	89	87	102	105	97
9162209	9162161	4101-0148C-HO	F9F050209-002	11 / 4	Yes	98	85	102	105	97
9162209	9162161	4101-0187C-HO	F9F050209-003	75 / 7	Yes	94	86	102	105	97
9162209	9162161	4101-0210C-HO	F9F050209-004	13 / 8	Yes	97	89	102	105	97
9162209	9162161	4101-0219B-HO	F9F050209-005	9 / 16	Yes	94	101	102	105	97
9162209	9162161	4101-0221B-HO	F9F050209-006	10 / 21	Yes	92	89	102	105	97
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Table 91 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F050209

Batch	Isotope	Laboratory Duplicate (4101-0144B-HO)			Field Duplicate			Method Blank (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9162209	Pu-238	1.47	1.79	20	NA	NA	NA	U
9162209	Pu-239/240	0.041 (U)	-0.032 (U)	NA	NA	NA	NA	U
9162161	Th-228	0.189 (J)	0.165 (J)	14	NA	NA	NA	U
9162161	Th-230	0.158 (J)	0.147 (J)	7	NA	NA	NA	U
9162161	Th-232	0.147 (J)	0.148 (J)	0.7	NA	NA	NA	U

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9162162	(Laboratory LCS)	F9F110000-162C	23	Yes	79	Yes	90	103	Yes
9162162	(Laboratory MB)	F9F110000-162B	24	Yes	84	Yes	90	103	
9162162	4101-0144B-HO	F9F050209-001	11	Yes	73	Yes	90	103	
9162162	(Laboratory Dup)	F9F050209-001X	12	Yes	84	Yes	90	103	
9162162	4101-0148C-HO	F9F050209-002	13	Yes	88	Yes	90	103	
9162162	4101-0187C-HO	F9F050209-003	14	Yes	82	Yes	90	103	
9162162	4101-0210C-HO	F9F050209-004	15	Yes	80	Yes	90	103	
9162162	4101-0219B-HO	F9F050209-005	16	Yes	89	Yes	90	103	
9162162	4101-0221B-HO	F9F050209-006	21	Yes	86	Yes	90	103	

Table 91 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F050209

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
			Monthly Background	Yes					
			Monthly Calibration	Yes					

Batch	Isotope	Laboratory Duplicate (4101-0144B-HO)			Field Duplicate			Method Blank (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9162162	Uranium-233/234	0.94	1.12	17	NA	NA	NA	U
9162162	Uranium-235	0.011 (U)	0.042 (U)	NA	NA	NA	NA	U
9162162	Uranium-238	1.21	0.56 (J)	74	NA	NA	NA	U

Note(s):

CL denotes control limit.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
MB denotes method blank.
NA denotes not applicable.
Pu denotes plutonium.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 92
Gamma Spectroscopy Quality Control Review for Lot F9F050209

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)	Inst.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL	Det No.	Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9162162	(Laboratory LCS)	F9F080000-268C	105	105	102		8	Yes	Yes	Yes [a]
9162162	(Laboratory MB)	F9F080000-268B	105	105	102	All "U"	7	Yes	Yes	Yes [a]
9162162	4101-0144B-HO	F9F050209-001	105	105	102		1	Yes	Yes	Yes [a]
9162162	(Laboratory Dup)	F9F050209-001X	105	105	102		2	Yes	Yes	Yes [a]
9162162	4101-0148C-HO	F9F050209-002	105	105	102		2	Yes	Yes	Yes [a]
9162162	4101-0187C-HO	F9F050209-003	105	105	102		5	Yes	Yes	Yes [a]
9162162	4101-0210C-HO	F9F050209-004	105	105	102		1	Yes	Yes	Yes [a]
9162162	4101-0219B-HO	F9F050209-005	105	105	102		3	Yes	Yes	Yes [a]
9162162	4101-0221B-HO	F9F050209-006	105	105	102		5	Yes	Yes	Yes [a]

Batch	Isotope	Laboratory Duplicate (4101-0144B-HO)			Field Duplicate			CL: 0-50%
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	
9133414	Actinium-228	1.46	1.09	29	NA	NA	NA	
9133414	Bismuth-214	1.03	0.98	5	NA	NA	NA	
9133414	Radium-226	1.03	0.98	5	NA	NA	NA	
9133414	Beeryllium-7	2.20	1.57	33	NA	NA	NA	
9133414	Lead-212	1.29	1.18	9	NA	NA	NA	

Table 92 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F9F050209

Batch	Isotope	Laboratory Duplicate (4101-0144B-HO)			Field Duplicate			CL: 0-50%
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	
9133414	Lead-214	1.16	0.97	17	NA	NA	NA	
9133414	Potassium-40	29.5	29.0	2	NA	NA	NA	
9133414	Thallium-208	0.485	0.427	13	NA	NA	NA	

Note(s):

[a] *Eff. raw data not included in package.*

Am denotes americium.
Cs denotes cesium.
Dup denotes duplicate.
LCS denotes laboratory control sample.
NA denotes not applicable.
RPD denotes relative percent difference.
Co denotes cobalt.
Det No. denotes detector number.
ID denotes identifier.
MB denotes method blank.
RL denotes reporting limit.

Table 93
Package Completeness Checklist for Lot F9F180234

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 94
Alpha Spectroscopy Quality Control Review for Lot F9F180234

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (64-118%)	Pu-239 (75-118%)	Th-230 (83-126%)
9174296	NA	(Laboratory LCS)	F9F230000-296C	66	Yes	85	NA	92	106	NA
9174296	NA	(Laboratory MB)	F9F230000-296B	60	Yes	94	NA	92	106	NA
NA	9171024	(Laboratory LCS)	F9F200000-024C	95	Yes	NA	91	NA	NA	94
NA	9171024	(Laboratory MB)	F9F200000-024B	94	Yes	NA	86	NA	NA	94
NA	9174299	(Laboratory LCS)	F9F230000-029C	93	Yes	NA	83 / 88	NA	NA	101 / 98
NA	9174299	(Laboratory MB)	F9F230000-029B	92	Yes	NA	90	NA	NA	101 / 98
9174296	9171024	4108-0830A-FO	F9F180234-001	6 / 62	Yes	100	89	92	106	94
9174296	9171024	(Laboratory Dup)	F9F180234-001X	7 / 63	Yes	88	77	92	106	94
9174296	9171024	4108-0831A-FO	F9F180234-002	8 / 64	Yes	82	83	92	106	94
9174296	9171024	4108-0832A-FO	F9F180234-003	9 / 65	Yes	90	72	92	106	94
9174296	9174299	4108-0833A-FO	F9F180234-004	10 / 1	Yes	90	79	92	106	101 / 98
9174296	9174299	4108-0834A-FO	F9F180234-005	11 / 3	Yes	89	86	92	106	101 / 98
9174296	9174299	4108-0835A-FO	F9F180234-006	12 / 4	Yes	89	79	92	106	101 / 98
9174296	9171024	4108-0836A-FO	F9F180234-007	13 / 72	Yes	93	74	92	106	94
9174296	9171024	4108-0837A-FO	F9F180234-008	14 / 9	Yes	88	78	92	106	94
9174296	9171024	4108-0838A-FO	F9F180234-009	15 / 10	Yes	88	75	92	106	94
9174296	9171024	4108-0839A-FO	F9F180234-010	16 / 11	Yes	84	77	92	106	94

Table 94 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F180234

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (64-118%)	Pu-239 (75-118%)	Th-230 (83-126%)
9174296	9171024	4108-0840A-FO	F9F180234-011	21 / 52	Yes	91	81	92	106	94
9174296	9171024	4108-0841A-FO	F9F180234-012	23 / 13	Yes	90	75	92	106	94
9174296	9171024	4108-0842A-FO	F9F180234-013	24 / 14	Yes	80	84	92	106	94
9174296	9171024	4108-0843A-FO	F9F180234-014	51 / 15	Yes	96	72	92	106	94
9174296	9171024	4101-0203C-HO	F9F180234-015	52 / 16	Yes	89	82	92	106	94
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Batch	Isotope	Laboratory Duplicate (4108-0830A-FO)			Field Duplicate			Method Blank (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9174296	Plutoinium-238	0.28	0.29	3	NA	NA	NA	U
9174296	Plutonium-239/240	-0.024 (U)	0.013 (U)	NA	NA	NA	NA	U
9171024	Thorium-228	0.72 (J)	0.48 (J)	41	NA	NA	NA	U
9171024	Thorium-230	0.91 (J)	0.86 (J)	6	NA	NA	NA	J
9171024	Thorium-232	0.59 (J)	0.60 (J)	2	NA	NA	NA	U

Table 94 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F180234

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9171025	(Laboratory LCS)	F9F200000-025C	98	Yes	81	Yes	82	99	Yes
9171025	(Laboratory MB)	F9F200000-025B	97	Yes	93	Yes	82	99	
9171025	4108-0830A-FO	F9F180234-001	62	Yes	93	Yes	82	99	
9171025	(Laboratory Dup)	F9F180234-001X	63	Yes	91	Yes	82	99	
9171025	4108-0831A-FO	F9F180234-002	64	Yes	90	Yes	82	99	
9171025	4108-0832A-FO	F9F180234-003	65	Yes	85	Yes	82	99	
9171025	4108-0833A-FO	F9F180234-004	67	Yes	85	Yes	82	99	
9171025	4108-0834A-FO	F9F180234-005	69	Yes	86	Yes	82	99	
9171025	4108-0835A-FO	F9F180234-006	71	Yes	80	Yes	82	99	
9171025	4108-0836A-FO	F9F180234-007	72	Yes	86	Yes	82	99	
9171025	4108-0837A-FO	F9F180234-008	1	Yes	85	Yes	82	99	
9171025	4108-0838A-FO	F9F180234-009	3	Yes	96	Yes	82	99	
9171025	4108-0839A-FO	F9F180234-010	4	Yes	87	Yes	82	99	
9171025	4108-0840A-FO	F9F180234-011	6	Yes	87	Yes	82	99	
9171025	4108-0841A-FO	F9F180234-012	7	Yes	84	Yes	82	99	
9171025	4108-0842A-FO	F9F180234-013	8	Yes	88	Yes	82	99	
9171025	4108-0843A-FO	F9F180234-014	9	Yes	87	Yes	82	99	
9171025	4101-0203C-HO	F9F180234-015	10	Yes	91	Yes	82	99	

Table 94 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F180234

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
		Monthly Background		Yes					
		Monthly Calibration		Yes					

Batch	Isotope	Laboratory Duplicate (4108-0830A-FO)			Field Duplicate			MB (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9171025	Uranium-233/234	0.57 (J)	0.67 (J)	16	NA	NA	NA	U
9171025	Uranium-235	0.019 (U)	-0.0048 (U)	NA	NA	NA	NA	U
9171025	Uranium-238	0.58 (J)	0.55 (J)	7	NA	NA	NA	U

Note(s):

CL denotes control limit.
Dup denotes duplicate.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
NA denotes not applicable.
Pu denotes plutonium.
RPD denotes relative percent difference.
U denotes result is less than the sample detection limit.
Det No. denotes detector number.
ID denotes identifier.
MB denotes method blank.
pCi/g denotes picoCurie(s) per gram.
RL denotes reporting limit.
Th denotes thorium.

Table 95
Gamma Spectroscopy Quality Control Review for Lot F9F180234

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)	Inst.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL	Det No.	Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9173482	(Laboratory LCS)	F9F220000-482C	100	103	99		3	Yes	Yes [a]	Yes [a]
9173482	(Laboratory MB)	F9F220000-482B	100	103	99	All "U"	1	Yes	Yes [a]	Yes [a]
9173482	4108-0830A-FO	F9F180234-001	100	103	99		1	Yes	Yes [a]	Yes [a]
9173482	(Laboratory Dup)	F9F180234-001X	100	103	99		5	Yes	Yes [a]	Yes [a]
9173482	4108-0831A-FO	F9F180234-002	100	103	99		3	Yes	Yes [a]	Yes [a]
9173482	4108-0832A-FO	F9F180234-003	100	103	99		5	Yes	Yes [a]	Yes [a]
9173482	4108-0833A-FO	F9F180234-004	100	103	99		1	Yes	Yes [a]	Yes [a]
9173482	4108-0834A-FO	F9F180234-005	100	103	99		1	Yes	Yes [a]	Yes [a]
9173482	4108-0835A-FO	F9F180234-006	100	103	99		2	Yes	Yes [a]	Yes [a]
9173482	4108-0836A-FO	F9F180234-007	100	103	99		2	Yes	Yes [a]	Yes [a]
9173482	4108-0837A-FO	F9F180234-008	100	103	99		3	Yes	Yes [a]	Yes [a]
9173482	4108-0838A-FO	F9F180234-009	100	103	99		3	Yes	Yes [a]	Yes [a]
9173482	4108-0839A-FO	F9F180234-010	100	103	99		7	Yes	Yes [a]	Yes [a]
9173482	4108-0840A-FO	F9F180234-011	100	103	99		4	Yes	Yes [a]	Yes [a]
9173482	4108-0841A-FO	F9F180234-012	100	103	99		1	Yes	Yes [a]	Yes [a]
9173482	4108-0842A-FO	F9F180234-013	100	103	99		5	Yes	Yes [a]	Yes [a]
9173482	4108-0843A-FO	F9F180234-014	100	103	99		7	Yes	Yes [a]	Yes [a]
9173482	4101-0203C-HO	F9F180234-015	100	103	99		8	Yes	Yes [a]	Yes [a]

Table 95 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F9F180234

Batch	Isotope	Laboratory Duplicate (4101-0144B-HO)			Field Duplicate			
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: 0-50%
9173482	Ac-228	0.40	0.25 (U)	NA	NA	NA	NA	
9173482	Bi-214	0.69	0.64	7	NA	NA	NA	
9173482	Ra-226	0.69	0.64	7	NA	NA	NA	
9173482	Pb-212	0.57	0.61	6	NA	NA	NA	
9173482	Pb-214	0.64	0.68	6	NA	NA	NA	
9173482	K-40	12.0	12.2	2	NA	NA	NA	
9173482	Tl-208	0.120	0.258	73	NA	NA	NA	

Note(s):

[a] *Raw data not included in package.*

Am denotes americium.
Co denotes cobalt.
Det No. denotes detector number.
ID denotes identifier.
MB denotes method blank.
RL denotes reporting limit.
U denotes result is less than the sample detection limit.
CL denotes control limit.
Cs denotes cesium.
Dup denotes duplicate.
LCS denotes laboratory control sample.
NA denotes not applicable.
RPD denotes relative percent difference.

Table 96
Package Completeness Checklist for Lot F9F190171

Review Item	Present?	Comment
Table of Contents	yes	
Case narrative	yes	
Cover page	yes	
Cross reference page	yes	
Description of data qualifiers	yes	
Applicable Standard Operating Procedure	no	Reference methods are listed
Summary of sample results	yes	
Summary of Quality Control results	yes	
Raw Data	yes	
Sample data	yes	
Standards data	yes	Analyte, activity, and reference date. Certificates not included.
Sample Receipt	yes	
Communication records	no	

Table 97
Alpha Spectroscopy Quality Control Review for Lot F9F190171

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9172032	NA	(Laboratory LCS)	F9F210000-032C	60	Yes	89	NA	98	106	NA
9172032	NA	(Laboratory MB)	F9F210000-032B	45	Yes	97	NA	98	106	NA
NA	9172034	(Laboratory LCS)	F9F210000-034C	95	Yes	NA	89	NA	NA	96
NA	9172034	(Laboratory MB)	F9F210000-034B	94	Yes	NA	86	NA	NA	96
9172032	9172034	4101-0226A-FO	F9F190171-001	64 / 54	Yes	96	79	98	106	96
9172032	9172034	(Laboratory Dup)	F9F190171-001X	65 / 55	Yes	94	90	98	106	96
9172032	9172034	4101-0227A-FO	F9F190171-002	66 / 57	Yes	96	87	98	106	96
9172032	9172034	4101-0228A-FO	F9F190171-003	67 / 58	Yes	100	86	98	106	96
9172032	9172034	4101-0229A-FO	F9F190171-004	69 / 61	Yes	89	86	98	106	96
9172032	9172034	4101-0230A-FO	F9F190171-005	13 / 63	Yes	97	90	98	106	96
9172032	9172034	4101-0231A-FO	F9F190171-006	14 / 64	Yes	100	80	98	106	96
9172032	9172034	4101-0232A-FO	F9F190171-007	15 / 65	Yes	90	77	98	106	96
9172032	9172034	4101-0233A-FO	F9F190171-008	16 / 67	Yes	95	84	98	106	96
9172032	9172034	4101-0234A-FO	F9F190171-009	21 / 71	Yes	93	80	98	106	96
9172032	9172034	4101-0235A-FO	F9F190171-010	23 / 72	Yes	91	90	98	106	96
9172032	9172034	4101-0236A-FO	F9F190171-011	24 / 69	Yes	85	75	98	106	96
9172032	9172034	4101-0237A-FO	F9F190171-012	51 / 14	Yes	100	81	98	106	96
9172032	9172034	4101-0238A-FO	F9F190171-013	52 / 15	Yes	99	84	98	106	96

Table 97 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F190171

Pu Batch	Th Batch	Plutonium and Thorium		Daily Pulser		Tracer Yield and Limits		LCS and Limits		
		Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9172032	9172034	4101-0187D-HO	F9F190171-014	53 / 16	Yes	80	80	98	106	96
9172032	9172034	4109-0850A-HO	F9F190171-015	54 / 23	Yes	89	73	98	106	96
9172032	9172034	4109-0851A-HO	F9F190171-016	55 / 24	Yes	90	85	98	106	96
9172032	9172034	4109-0862A-HO	F9F190171-017	57 / 55	Yes	82	85	98	106	96
9172032	9172034	4109-0875A-FO	F9F190171-018	58 / 57	Yes	86	73	98	106	96
9172032	9172034	4109-0876A-FO	F9F190171-019	61 / 58	Yes	83	80	98	106	96
9172032	9172034	4109-0877A-FO	F9F190171-020	63 / 61	Yes	92	82	98	106	96
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Batch	Isotope	Laboratory Duplicate (4101-0226A-FO)			Field Duplicate			MB (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9172032	Pu-238	1.84	1.88	2	NA	NA	NA	U
9172032	Pu-239/240	0.020 (U)	0.001 (U)	NA	NA	NA	NA	U
9172034	Th-228	0.30 (J)	0.34 (J)	10	NA	NA	NA	U
9172034	Th-230	0.84 (J)	0.69 (J)	19	NA	NA	NA	J
9172034	Th-232	0.40 (J)	0.25 (J)	49	NA	NA	NA	U

Table 97 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F190171

Plutonium and Thorium				Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Pu Batch	Th Batch	Field ID	Laboratory ID	Det No. Pu-Th	Pass	Pu-242 (30-110%)	Th-229 (30-110%)	Pu-238 (66-125%)	Pu-239 (75-130%)	Th-230 (83-126%)
9172033	NA	(Laboratory LCS)	F9F210000-033C	96	Yes	94	NA	98	101	NA
9172033	NA	(Laboratory MB)	F9F210000-033B	95	Yes	98	NA	98	101	NA
NA	9172035	(Laboratory LCS)	F9F210000-035C	93	Yes	NA	91	NA	NA	100
NA	9172035	(Laboratory MB)	F9F210000-035B	92	Yes	NA	86	NA	NA	100
9172033	9172035	4109-0878A-FO	F9F190171-021	67 / 14	Yes	90	92	98	101	100
9172033	9172035	(Laboratory Dup)	F9F190171-021X	69 / 15	Yes	95	80	98	101	100
9172033	9172035	4109-0879A-FO	F9F190171-022	71 / 16	Yes	94	82	98	101	100
9172033	9172035	4109-0880A-FO	F9F190171-023	72 / 21	Yes	83	88	98	101	100
9172033	9172035	4109-0882A-FO	F9F190171-024	9 / 23	Yes	98	78	98	101	100
9172033	9172035	4109-0883A-FO	F9F190171-025	10 / 24	Yes	90	73	98	101	100
9172033	9172035	4109-0884A-FO	F9F190171-026	11 / 51	Yes	90	87	98	101	100
9172033	9172035	4109-0885A-FO	F9F190171-027	12 / 52	Yes	103	76	98	101	100
9172033	9172035	4109-0886A-FO	F9F190171-028	13 / 53	Yes	92	84	98	101	100
				Monthly Background	Yes					
				Monthly Calibration	Yes					

Table 97 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F190171

Batch	Isotope	Laboratory Duplicate (4109-0878A-FO)			Field Duplicate			Method Blank (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9172033	Plutoinum-238	0.64	0.83	25	NA	NA	NA	U
9172033	Plutonium-239/240	0.021 (U)	0.012 (U)	NA	NA	NA	NA	U
9172035	Thorium-228	0.62 (J)	0.67 (J)	8	NA	NA	NA	U
9172035	Thorium-230	1.19 (J)	0.73 (J)	48	NA	NA	NA	J
9172035	Thorium-232	0.49 (J)	0.36 (J)	31	NA	NA	NA	U

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
			Det No.						
Uranium Batch	Field ID	Laboratory ID	Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9172036	(Laboratory LCS)	F9F210000-036C	72	Yes	92	Yes	85	90	Yes
9172036	(Laboratory MB)	F9F210000-036B	71	Yes	83	Yes	85	90	
9172036	4101-0226A-FO	F9F190171-001	63	Yes	88	Yes	85	90	
9172036	(Laboratory Dup)	F9F190171-001X	64	Yes	82	Yes	85	90	
9172036	4101-0227A-FO	F9F190171-002	65	Yes	86	Yes	85	90	
9172036	4101-0228A-FO	F9F190171-003	66	Yes	76	Yes	85	90	
9172036	4101-0229A-FO	F9F190171-004	67	Yes	92	Yes	85	90	
9172036	4101-0230A-FO	F9F190171-005	69	Yes	85	Yes	85	90	
9172036	4101-0231A-FO	F9F190171-006	51	Yes	88	Yes	85	90	
9172036	4101-0232A-FO	F9F190171-007	52	Yes	87	Yes	85	90	

Table 97 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F190171

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (69-125%)	Uranium-238 (68-121%)	Pass
9172036	4101-0233A-FO	F9F190171-008	53	Yes	87	Yes	85	90	
9172036	4101-0234A-FO	F9F190171-009	54	Yes	90	Yes	85	90	
9172036	4101-0235A-FO	F9F190171-010	1	Yes	83	Yes	85	90	
9172036	4101-0236A-FO	F9F190171-011	3	Yes	87	Yes	85	90	
9172036	4101-0237A-FO	F9F190171-012	4	Yes	85	Yes	85	90	
9172036	4101-0238A-FO	F9F190171-013	16	Yes	83	Yes	85	90	
9172036	4101-0187D-HO	F9F190171-014	23	Yes	77	Yes	85	90	
9172036	4109-0850A-HO	F9F190171-015	24	Yes	92	Yes	85	90	
9172036	4109-0851A-HO	F9F190171-016	55	Yes	91	Yes	85	90	
9172036	4109-0862A-HO	F9F190171-017	57	Yes	86	Yes	85	90	
9172036	4109-0875A-FO	F9F190171-018	58	Yes	87	Yes	85	90	
9172036	4109-0876A-FO	F9F190171-019	51	Yes	74	Yes	85	90	
9172036	4109-0877A-FO	F9F190171-020	63	Yes	89	Yes	85	90	
			Monthly Background	Yes					
			Monthly Calibration	Yes					

Table 97 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F190171

Batch	Isotope	Laboratory Duplicate (4101-0226A-FO)			Field Duplicate			Method Blank (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9172036	Uranium-233/234	0.24 (J)	0.37 (J)	40	NA	NA	NA	U
9172036	Uranium-235	0.0 (U)	0.079 (U)	NA	NA	NA	NA	U
9172036	Uranium-238	0.53 (J)	0.42 (J)	23	NA	NA	NA	U

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (68-126%)	Uranium-238 (67-121%)	Pass
9176095	(Laboratory LCS)	F9F250000-095C	45	Yes	91	Yes	73	82	Yes
9176095	(Laboratory MB)	F9F250000-095B	60	Yes	96	Yes	73	82	
9176095	4109-0878A-FO	F9F190171-021	64	Yes	89	Yes	73	82	
9176095	(Laboratory Dup)	F9F190171-021X	65	Yes	83	Yes	73	82	
9176095	4109-0879A-FO	F9F190171-022	66	Yes	88	Yes	73	82	
9176095	4109-0880A-FO	F9F190171-023	67	Yes	92	Yes	73	82	
9176095	4109-0882A-FO	F9F190171-024	69	Yes	85	Yes	73	82	
9176095	4109-0883A-FO	F9F190171-025	9	Yes	91	Yes	73	82	
9176095	4109-0884A-FO	F9F190171-026	10	Yes	90	Yes	73	82	
9176095	4109-0885A-FO	F9F190171-027	11	Yes	63	Yes	73	82	
9176095	4109-0886A-FO	F9F190171-028	12	Yes	88	Yes	73	82	

Table 97 (Continued)
Alpha Spectroscopy Quality Control Review for Lot F9F190171

Uranium			Daily Pulser		Tracer Yield and Limits		LCS and Limits		
Uranium Batch	Field ID	Laboratory ID	Det No. Uranium	Pass	Uranium-232 (30-110%)	Pass	Uranium-234 (68-126%)	Uranium-238 (67-121%)	Pass
		Monthly Background		Yes					
		Monthly Calibration		Yes					

Batch	Isotope	Laboratory Duplicate (4109-0878A-FO)			Field Duplicate			Method Blank (pCi/g)
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: > RL
9176095	Uranium-233/234	0.34 (J)	0.45 (J)	29	NA	NA	NA	U
9176095	Uranium-235	0.047 (U)	-0.010 (U)	NA	NA	NA	NA	U
9176095	Uranium-238	0.41 (J)	0.39 (J)	6	NA	NA	NA	U

Note(s):
CL denotes control limit.
Det No. denotes detector number.
Dup denotes duplicate.
ID denotes identifier.
J denotes result is greater than sample detection limit but less than stated reporting limit.
LCS denotes laboratory control sample.
MB denotes method blank.
NA denotes not applicable.
pCi/g denotes picoCurie(s) per gram.
Pu denotes plutonium.
RL denotes reporting limit.
RPD denotes relative percent difference.
Th denotes thorium.
U denotes result is less than the sample detection limit.

Table 98
Gamma Spectroscopy Quality Control Review for Lot F9F190171

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)	Inst. Det No.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL		Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9173483	(Laboratory LCS)	F9F220000-483C	100	106	98		5	Yes	Yes	Yes [a]
9173483	(Laboratory MB)	F9F220000-483B	100	106	98	All "U"	4	Yes	Yes	Yes [a]
9173483	4101-0226A-FO	F9F190171-001	100	106	98		3	Yes	Yes	Yes [a]
9173483	(Laboratory Dup)	F9F190171-001X	100	106	98		4	Yes	Yes	Yes [a]
9173483	4101-0227A-FO	F9F190171-002	100	106	98		4	Yes	Yes	Yes [a]
9173483	4101-0228A-FO	F9F190171-003	100	106	98		5	Yes	Yes	Yes [a]
9173483	4101-0229A-FO	F9F190171-004	100	106	98		7	Yes	Yes	Yes [a]
9173483	4101-0230A-FO	F9F190171-005	100	106	98		7	Yes	Yes	Yes [a]
9173483	4101-0231A-FO	F9F190171-006	100	106	98		7	Yes	Yes	Yes [a]
9173483	4101-0232A-FO	F9F190171-007	100	106	98		2	Yes	Yes	Yes [a]
9173483	4101-0233A-FO	F9F190171-008	100	106	98		2	Yes	Yes	Yes [a]
9173483	4101-0234A-FO	F9F190171-009	100	106	98		3	Yes	Yes	Yes [a]
9173483	4101-0235A-FO	F9F190171-010	100	106	98		4	Yes	Yes	Yes [a]
9173483	4101-0236A-FO	F9F190171-011	100	106	98		5	Yes	Yes	Yes [a]
9173483	4101-0237A-FO	F9F190171-012	100	106	98		1	Yes	Yes	Yes [a]
9173483	4101-0238A-FO	F9F190171-013	100	106	98		7	Yes	Yes	Yes [a]
9173483	4101-0187D-HO	F9F190171-014	100	106	98		5	Yes	Yes	Yes [a]
9173483	4109-0850A-HO	F9F190171-015	100	106	98		4	Yes	Yes	Yes [a]

Table 98 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F9F190171

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)	Inst. Det No.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL		Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9173483	4109-0851A-HO	F9F190171-016	100	106	98		4	Yes	Yes	Yes [a]
9173483	4109-0862A-HO	F9F190171-017	100	106	98		5	Yes	Yes	Yes [a]
9173483	4109-0875A-FO	F9F190171-018	100	106	98		7	Yes	Yes	Yes [a]
9173483	4109-0876A-FO	F9F190171-019	100	106	98		2	Yes	Yes	Yes [a]
9173483	4109-0877A-FO	F9F190171-020	100	106	98		3	Yes	Yes	Yes [a]

Batch	Isotope	Laboratory Duplicate (4101-0226A-FO)			Field Duplicate			
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	CL: 0-50%
9173483	Actinium-228	0.21 (U)	0.33	45	NA	NA	NA	
9173483	Bismuth-214	0.45	0.44	3	NA	NA	NA	
9173483	Radium-226	0.45	0.44	3	NA	NA	NA	
9173483	Lead-212	0.314	0.298	5	NA	NA	NA	
9173483	Lead-214	0.41	0.43	6	NA	NA	NA	
9173483	Potassium-40	6.3	6.6	5	NA	NA	NA	
9173483	Thallium-208	0.085	0.113	28	NA	NA	NA	

Table 98 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F9F190171

Batch	Field ID	Laboratory ID	LCS and Limits			Method Blank (pCi/g)	Inst.	Calibrations		
			Am-241 (89-112%)	Cs-137 (91-118%)	Co-60 (90-110%)	Above RL	Det No.	Daily Check OK?	Monthly Bkg OK?	Eff Cal OK?
9173485	(Laboratory LCS)	F9F220000-485C	101	102	99		3	Yes	Yes	Yes [a]
9173485	(Laboratory MB)	F9F220000-485B	101	102	99	All "U"	2	Yes	Yes	Yes [a]
9173485	4109-0878A-FO	F9F190171-021	101	102	99		4	Yes	Yes	Yes [a]
9173485	(Laboratory Dup)	F9F190171-021X	101	102	99		3	Yes	Yes	Yes [a]
9173485	4109-0879A-FO	F9F190171-022	101	102	99		5	Yes	Yes	Yes [a]
9173485	4109-0880A-FO	F9F190171-023	101	102	99		7	Yes	Yes	Yes [a]
9173485	4109-0882A-FO	F9F190171-024	101	102	99		3	Yes	Yes	Yes [a]
9173485	4109-0883A-FO	F9F190171-025	101	102	99		4	Yes	Yes	Yes [a]
9173485	4109-0884A-FO	F9F190171-026	101	102	99		5	Yes	Yes	Yes [a]
9173485	4109-0885A-FO	F9F190171-027	101	102	99		7	Yes	Yes	Yes [a]
9173485	4109-0886A-FO	F9F190171-028	101	102	99		1	Yes	Yes	Yes [a]

Batch	Isotope	Laboratory Duplicate (4109-0878A-FO)			Field Duplicate			CL: 0-50%
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	
9173485	Actinium-228	0.16 (U)	0.27	49	NA	NA	NA	
9173485	Bismuth-214	0.33	0.283	15	NA	NA	NA	
9173485	Radium-226	0.33	0.283	15	NA	NA	NA	
9173485	Lead-212	0.301	0.326	8	NA	NA	NA	

Table 98 (Continued)
Gamma Spectroscopy Quality Control Review for Lot F9F190171

Batch	Isotope	Laboratory Duplicate (4109-0878A-FO)			Field Duplicate			CL: 0-50%
		Value 1	Value 2	RPD	Value 1	Value 2	RPD	
9173485	Lead-214	0.39	0.326	17	NA	NA	NA	
9173485	Potassium-40	3.8	5.13	31	NA	NA	NA	
9173485	Thallium-208	0.111	0.138	22	NA	NA	NA	

Note(s):

[a] *Eff. raw data not included in package.*

Am denotes americium.
Co denotes cobalt.
Det No. denotes detector number.
ID denotes identifier.
MB denotes method blank.
RL denotes reporting limit.
U denotes result is less than the sample detection limit.
CL denotes control limit.
Cs denotes cesium.
Dup denotes duplicate.
LCS denotes laboratory control sample.
NA denotes not applicable.
RPD denotes relative percent difference.

Appendix A
Validation Documentation

Table of Contents

Validation Report for F8L100282
Validation Report for F9E150141
Validation Report for F8J020194
Validation Report for F8L090224

Validation Report for F8L00282

Shaw® Shaw Environmental, Inc.

By G. Darnell Date 7-13-09 Subject F8L100282 Soils Sheet No. 1 of 4
Checked By JB 7/14/09 Date Rad Validation Project No. 123959

Sample ID	S. Date	Lab ID
4102-0256A-HO	12/8/08	001
4102-0278A-HO	12/8/08	002
4102-0277A-HO	12/8/08	003

• COC doesn't list carrier.

Lab No.	Iso Th Prep Date	Iso Th Date	Iso Th Batch	Iso Pu Prep Date	Iso Pu Date	Iso Pu Batch	Iso U Prep Date	Iso U Date	Iso U Batch	Gamma Prep Date	Gamma Date	Gamma Batch	Tritium Prep Date	Tritium Date	Tritium Batch
001	12/12/08	12/17/08	8347217	12/23	12/28	8358442	12/12	12/19	8347220	12/15	12/19	8350428			
001 Dup	12/12	12/17	"	—	—	—	12/12	12/19	"	12/15	12/19	"			
002	12/12	12/17	"	12/23	12/28	"	12/12	12/17	"	12/15	12/19	"			
003	12/12	12/17	"	12/23	12/28	"	12/12	12/17	"	12/15	12/19	"	12/17	12/17	8350350
003 X Dup													12/17	12/18	"

Lab Dup.

	LCS	LCSD	RPD
Pu-238	1.35	1.36	0.74
Pu 239/240	3.16	3.12	1.27

Gamma		001	001X	RPD	
	Ac-228	0.40	0.47	16.09	
	Bi-214	0.63	0.63	—	
	Ra-226	0.63	0.63	—	
	Pb-212	0.43	0.36	17.72	
	Pb-214	0.55	0.54	1.83	
	K-40	10.4	9.5	9.05	
	Tl-208	0.122	0.151	21.25	
Iso Th	Th-228	0.50	0.49	2.02	
	Th-230	0.82	0.72	12.99	
	Th-232	0.44	0.40	9.52	
Iso U	U-233/234	1.27	0.71	56.57	- J RESULTS
	U-235	0.090	0.050	57.14	- NO ACTION - QUANTITY LOW U
	U-238	0.75	0.62	18.98	

Shaw® Shaw Environmental, Inc.

By G. Darnell Date 7-13-09 Subject F8L100282 Sheet No. 2 of 4
Checked By Date Project No. 123959

Lab Dup CONT.

	003	003X	RPD
Tritium	10.3	9.2	11.28

used 35% RPD - CLP Guidelines

Method Blank

ISo Pu: 238 - ND
239/40 - ND
Batch # 8358442 no action

ISo Th: 228 - ND
230 - 0.095
232 - ND
Batch # 8347217 no action
no action 75x mblk

ISo U: 233/234 - ~~ND~~ 0.03
235 - ND
238 - ND
Batch # 8347220
no action 75X MBlk.

Gamma: ALL - ND Batch 8350428 no action

Tritium: ND Batch 8350350 no action

LCS - NO ACTION

	Spike	Result	% R	CL.	Batch
ISo Th 230	58.5	54.2	92.6	83-126	8347217
ISo U 233/234	19.6	16.1	82.1	69-125	8347220
238	19.6	16.8	85.7	68-121	
Tritium	16.1	13.7	85.1	75-104	8350350
Gamma					
Am 241	98.8	107	108.3	89-112	8350428
Cs 137	37.1	38.9	104.8	91-118	
Co 60	61.4	63.1	102.8	96-110	

Shaw® Shaw Environmental, Inc.

By G. Darnell	Date 7-13-09 Subject F8L100282	Sheet No. 3 of 4
Checked By	Date	Project No. 123959

LCS - NO ACTION

Iso Pu	Spike	Result	% R	CL	Batch
238	1.54	1.35	88	66-125	8358442
239/240	3.30	3.16	95.75	75-130	

ALPHA SPECTROSCOPY

- DAILY PULSAR Iso PU 12/28 - NO ACTION - PASS
  - Iso Th 12/17 - PASS - NO ACTION
  - Iso U 12/17 - PASS - NO ACTION
- PREP SHEET Pu - Th - U -
- RUN LOG Pu - Th - U -

MONTHLY BACKGROUND

NOVEMBER 2008

MONTHLY CALIBRATION

11/25/08

TRITIUM

INSTRUMENT CHECKS 12-17-08 ✓

QUENCH CURVE 4/3/08 ✓

Shaw® Shaw Environmental, Inc.

By G. Darnell	Date 7-13-09	Subject F8L100282	Sheet No. 4 of 4
Checked By	Date		Project No. 123959

- NIST - CERTIFICATE HYDROGEN-3 ✓
- RUN LOG TRITIUM ✓

GAMMA

INSTRUMENT CHECKS 12/19/08 ✓

RUN LOG ✓

LONG BACKGROUNDS NOVEMBER 2008 ✓

NO FIELD DUPLICATES IDENTIFIED ON COC.
SEE DUP EVALUATION FOR LAB DUP. GAMMA, Iso Th, Iso U, TRITIUM

Shaw E & I Inc

Client Sample ID: 4102-0256A-HO

Radiochemistry

Lab Sample ID: F8L100282-001
Work Order: K4FL3
Matrix: SOLID

Date Collected: 12/08/08 1510
Date Received: 12/10/08 0930

Parameter	Result	VQ	Qual	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 8350428		Yld %
Actinium 227	0.20	U	U	0.15		0.23	12/15/08	12/19/08
Actinium 228	0.40	=		0.16		0.19	12/15/08	12/19/08
Americium 241	0.070	U	U	0.098		0.16	12/15/08	12/19/08
Bismuth-207	-0.005	↓	U	0.034		0.062	12/15/08	12/19/08
Bismuth-210M	-0.0002	↓	U	0.045		0.083	12/15/08	12/19/08
Bismuth 214	0.63	=		0.13		0.11	12/15/08	12/19/08
Cesium 137	-0.014	U	U	0.045	0.200	0.079	12/15/08	12/19/08
Cobalt 60	0.0	↓	U	0.0093		0.034	12/15/08	12/19/08
Lead 210	0.8	↓	U	1.2	3.7	2.1	12/15/08	12/19/08
Protactinium 231	0.23	↓	U	0.99	2.00	1.7	12/15/08	12/19/08
Radium (226)	0.63	=		0.13		0.11	12/15/08	12/19/08
Thorium 229	-0.01	U	U	0.54		0.96	12/15/08	12/19/08
Uranium 235	0.006	↓	U	0.18		0.34	12/15/08	12/19/08
Uranium 238	1	↓	U	1.1		1.6	12/15/08	12/19/08
--- Other Detected Radionuclides ---								
Lead 212	0.43			0.11		0.12	12/15/08	12/19/08
Lead 214	0.55			0.13		0.15	12/15/08	12/19/08
Potassium 40	10.4			1.6		0.9	12/15/08	12/19/08
Thallium 208	0.122			0.047		0.057	12/15/08	12/19/08
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 8347217		Yld % 71
Thorium 228	0.50	=		0.15	0.20	0.04	12/12/08	12/17/08
Thorium 230	0.82	↓		0.19	0.20	0.03	12/12/08	12/17/08
Thorium 232	0.44	↓		0.14	0.20	0.03	12/12/08	12/17/08
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 8347220		Yld % 90
Uranium 233/234	1.27	J		0.23	0.20	0.04	12/12/08	12/19/08
Uranium 235	0.090	U	J	0.061	0.200	0.027	12/12/08	12/19/08
Uranium 238	0.75	=		0.17	0.20	0.02	12/12/08	12/19/08
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 8358442		Yld % 80
Plutonium 238	38.6	=		2.0	0.2	0.3	12/23/08	12/28/08
Plutonium 239/40	1.74	=		0.27	0.15	0.30	12/23/08	12/28/08

GD 7-14-09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.
J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

Shaw E & I Inc

Client Sample ID: 4102-0256A-HO DUP

Radiochemistry

Lab Sample ID: F8L100282-001X
Work Order: K4FL3
Matrix: SOLID

Date Collected: 12/08/08 1510
Date Received: 12/10/08 0930

Parameter	Result	VQ Qual	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Iso THORIUM (LONG CT) DOE A-01-R MOD				**pCi/g**	**Batch # 8347217**		**Yld % 80**
Thorium 228	0.49		0.13	0.20	0.05	12/12/08	12/17/08
Thorium 230	0.72		0.16	0.20	0.02	12/12/08	12/17/08
Thorium 232	0.40		0.12	0.20	0.04	12/12/08	12/17/08
Iso URANIUM (LONG CT) DOE A-01-R MOD				**pCi/g**	**Batch # 8347220**		**Yld % 87**
Uranium 233/234	0.71		0.16	0.20	0.04	12/12/08	12/19/08
Uranium 235	0.050	J	0.045	0.200	0.027	12/12/08	12/19/08
Uranium 238	0.62		0.15	0.20	0.04	12/12/08	12/19/08
Gamma Cs-137 & Hits by DOE GA-01-R MOD				**pCi/g**	**Batch # 8350428**		**Yld %**
Actinium 227	-0.14	U	0.27		0.45	12/15/08	12/19/08
Actinium 228	0.47		0.22		0.19	12/15/08	12/19/08
Americium 241	0.0	U	0.10		0.18	12/15/08	12/19/08
Bismuth-207	-0.017	U	0.049		0.086	12/15/08	12/19/08
Bismuth-210M	0.002	U	0.040		0.075	12/15/08	12/19/08
Bismuth 214	0.63		0.16		0.11	12/15/08	12/19/08
Cesium 137	0.021	U	0.043	0.200	0.075	12/15/08	12/19/08
Cobalt 60	-0.018	U	0.060		0.11	12/15/08	12/19/08
Lead 210	1.1	U	1.4	3.7	2.3	12/15/08	12/19/08
Protactinium 231	0.54	U	0.85	2.00	1.4	12/15/08	12/19/08
Radium (226)	0.63		0.16		0.11	12/15/08	12/19/08
Thorium 229	0.06	U	0.56		0.98	12/15/08	12/19/08
Uranium 235	0.08	U	0.19		0.33	12/15/08	12/19/08
Uranium 238	0.96	U	0.89		1.5	12/15/08	12/19/08
--- Other Detected Radionuclides ---							
Lead 212	0.36		0.11		0.12	12/15/08	12/19/08
Lead 214	0.54		0.14		0.13	12/15/08	12/19/08
Potassium 40	9.5		1.7		0.9	12/15/08	12/19/08
Thallium 208	0.151		0.074		0.085	12/15/08	12/19/08

No VQ's QC DATA
G. Ramell
7-14-09

NOTE(S)

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J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

Shaw E & I Inc

Client Sample ID: 4102-0278A-HO

Radiochemistry

Lab Sample ID: F8L100282-002
Work Order: K4FL9
Matrix: SOLID

Date Collected: 12/08/08 1350
Date Received: 12/10/08 0930

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g	Batch # 8350428		Yld %
Actinium 227	0.1	U	1.1		1.8	12/15/08	12/19/08
Actinium 228	0.84		0.30		0.52	12/15/08	12/19/08
Americium 241	0.0	U	0.16		0.28	12/15/08	12/19/08
Bismuth-207	-0.026	U	0.079		0.14	12/15/08	12/19/08
Bismuth-210M	-0.013	U	0.079		0.14	12/15/08	12/19/08
Bismuth 214	0.80		0.24		0.20	12/15/08	12/19/08
Cesium 137	-0.017	U	0.081	0.200	0.15	12/15/08	12/19/08
Cobalt 60	0.0003	U	0.064		0.13	12/15/08	12/19/08
Lead 210	1.0	U	1.9	3.7	3.2	12/15/08	12/19/08
Protactinium 231	-0.3	U	1.5	2.0	2.7	12/15/08	12/19/08
Radium (226)	0.80		0.24		0.20	12/15/08	12/19/08
Thorium 229	-0.28	U	0.86		1.5	12/15/08	12/19/08
Uranium 235	-0.06	U	26		0.6	12/15/08	12/19/08
Uranium 238	0.7	U	1.3		2.4	12/15/08	12/19/08
--- Other Detected Radionuclides ---							
Lead 212	1.18		0.19		0.17	12/15/08	12/19/08
Lead 214	0.82		0.19		0.25	12/15/08	12/19/08
Potassium 40	30.0		4.0		1.6	12/15/08	12/19/08
Thallium 208	0.44		0.12		0.09	12/15/08	12/19/08
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g	Batch # 8347217		Yld % 68
Thorium 228	1.24		0.25	0.20	0.08	12/12/08	12/17/08
Thorium 230	1.10		0.24	0.20	0.07	12/12/08	12/17/08
Thorium 232	1.20		0.25	0.20	0.05	12/12/08	12/17/08
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g	Batch # 8347220		Yld % 88
Uranium 233/234	0.65	J	0.15	0.20	0.06	12/12/08	12/17/08
Uranium 235	0.061	U J	0.052	0.200	0.057	12/12/08	12/17/08
Uranium 238	0.73		0.16	0.20	0.05	12/12/08	12/17/08
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g	Batch # 8358442		Yld % 74
Plutonium 238	0.79		0.21	0.02	0.45	12/23/08	12/28/08
Plutonium 239/40	0.59		0.16	0.02	0.23	12/23/08	12/28/08

G. Darnell 7-14-09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

Shaw E & I Inc

Client Sample ID: 4102-0277A-HO

Radiochemistry

Lab Sample ID: F8L100282-003
Work Order: K4FMA
Matrix: SOLID

Date Collected: 12/08/08 1400
Date Received: 12/10/08 0930

Parameter	Result	VQ	Qual	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 8350428		Yld %
Actinium 227	-0.03	U	U	0.33		0.58	12/15/08	12/19/08
Actinium 228	0.43		U	0.21		0.44	12/15/08	12/19/08
Americium 241	-0.06		U	0.12		0.21	12/15/08	12/19/08
Bismuth-207	0.004		U	0.047		0.088	12/15/08	12/19/08
Bismuth-210M	0.009		U	0.057		0.10	12/15/08	12/19/08
Bismuth 214	0.97	=		0.21		0.15	12/15/08	12/19/08
Cesium 137	0.016	U	U	0.064	0.200	0.13	12/15/08	12/19/08
Cobalt 60	-0.04		U	1.4		0.1	12/15/08	12/19/08
Lead 210	0.8		U	1.5	3.7	2.7	12/15/08	12/19/08
Protactinium 231	-0.9		U	1.7	2.0	2.9	12/15/08	12/19/08
Radium (226)	0.97	=		0.21		0.15	12/15/08	12/19/08
Thorium 229	0.0	U	U	0.88		1.6	12/15/08	12/19/08
Uranium 235	-0.21		U	0.74		0.52	12/15/08	12/19/08
Uranium 238	0.5		U	1.2		2.2	12/15/08	12/19/08
--- Other Detected Radionuclides ---								
Lead 212	0.59			0.13		0.12	12/15/08	12/19/08
Lead 214	0.87			0.18		0.13	12/15/08	12/19/08
Potassium 40	11.7			2.2		1.4	12/15/08	12/19/08
Thallium 208	0.173			0.075		0.089	12/15/08	12/19/08
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 8347217		Yld % 72
Thorium 228	0.66	=		0.17	0.20	0.06	12/12/08	12/17/08
Thorium 230	0.94			0.21	0.20	0.06	12/12/08	12/17/08
Thorium 232	0.63			0.17	0.20	0.06	12/12/08	12/17/08
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 8347220		Yld % 48
Uranium 233/234	0.84	J		0.23	0.20	0.08	12/12/08	12/17/08
Uranium 235	0.053	J	J	0.061	0.200	0.048	12/12/08	12/17/08
Uranium 238	0.98	=		0.25	0.20	0.08	12/12/08	12/17/08
Tritium by LSC by DOE H3-04-RC MOD.					pCi/g	Batch # 8350350		Yld %
Tritium	10.3	=		0.90	2.00	0.38	12/17/08	12/17/08
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 8358442		Yld % 85
Plutonium 238	0.059	=		0.020	0.020	0.046	12/23/08	12/28/08
Plutonium 239/40	0.029	U	U	0.018	0.020	0.056	12/23/08	12/28/08

G. Darnell 7-14-09

Shaw E & I Inc

Client Sample ID: 4102-0277A-HO DUP

Radiochemistry

Lab Sample ID: F8L100282-003X
Work Order: K4FMA
Matrix: SOLID

Date Collected: 12/08/08 1400
Date Received: 12/10/08 0930

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Tritium by LSC by DOE H3-04-RC MOD.				**pCi/g**		**Batch # 8350350**	**Yld %**
Tritium	9.20		0.83	2.00	0.39	12/17/08	12/18/08

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

Laboratory Control Sample/LCS Duplicate Report

Radiochemistry

Client Lot ID: F8L100282
Matrix: SOLID

Parameter		Spike Amount	Result	Total Uncert. (2 σ+/-)	% Yld	% Rec	QC Control Limits	Precision
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD		pCi/g	A-01-R MOD				Lab Sample ID F8L230000-442C	
Plutonium 238		1.54	1.35	0.080	86	88	(66 - 125)	
	Spk 2	1.54	1.36	0.080	93	88	(66 - 125)	%RPD
Plutonium 239/40		3.30	3.16	0.16	86	96	(75 - 130)	
	Spk 2	3.30	3.12	0.16	93	94	(75 - 130)	%RPD

Batch #: 8358442 Analysis Date: 12/28/08

NOTE(S)
Calculations are performed before rounding to avoid round-off error in calculated results

Laboratory Control Sample Report

Radiochemistry

Client Lot ID: F8L100282
Matrix: SOLID

Parameter	Spike Amount	Result	Total Uncert. (2 σ+/-)	MDC	% Yld	% Rec	Lab Sample ID / QC Control Limits
Iso THORIUM (LONG CT) DOE A-01-R MOD			pCi/g	A-01-R MOD			F8L120000-217C
Thorium 230	58.5	54.2	5.9	0.2	81	93	(83 - 126)
	Batch #:	8347217		Analysis Date:	12/17/08		
Iso URANIUM (LONG CT) DOE A-01-R MOD			pCi/g	A-01-R MOD			F8L120000-220C
Uranium 233/234	19.6	16.1	2.3	0.1	97	82	(69 - 125)
Uranium 238	19.6	16.8	2.4	0.3	97	86	(68 - 121)
	Batch #:	8347220		Analysis Date:	12/17/08		
Tritium by LSC by DOE H3-04-RC MOD.			pCi/g	H3-04-RC MOD			F8L150000-350C
Tritium	16.1	13.7	1.1	0.4		85	(75 - 104)
	Batch #:	8350350		Analysis Date:	12/17/08		
Gamma Cs-137 & Hits by DOE GA-01-R MOD			pCi/g	GA-01-R MOD			F8L150000-428C
Americium 241	98.8	107	7.0	1.4		109	(89 - 112)
Cesium 137	37.1	38.9	2.5	0.5		105	(91 - 118)
Cobalt 60	61.4	63.1	3.7	0.3		103	(90 - 110)
	Batch #:	8350428		Analysis Date:	12/19/08		

NOTE(S)
MDC is determined by instrument performance only

Validation Report for F9E150141

Shaw®

Lot No. F9E150141 PRS 441 Rad Validation

Project: F9E150141 Rad Validation – 37 Soils Page 1 of 9

Job Number: 123959 Date: 7-15-2009 Completed By: Thomas B. Granat

Rev'd by JBurrell 7/16/09

Sample Id	Sample Date	Laboratory ID	
4102-0359A-FO	5/12/09	F9E150141-001	Lab duplicate
4102-0360A-FO	5/12/09	F9E150141-002	
4102-0361A-FO	5/12/09	F9E150141-003	
4102-0361A-FD	5/12/09	F9E150141-004	Field duplicate
4102-0350A-FO	5/12/09	F9E150141-005	
4102-0351A-FO	5/12/09	F9E150141-006	
4102-0352A-FO	5/12/09	F9E150141-007	
4102-0353A-FO	5/12/09	F9E150141-008	
4102-0354A-FO	5/12/09	F9E150141-009	
4102-0355A-FO	5/12/09	F9E150141-010	
4102-0356A-FO	5/12/09	F9E150141-011	
4102-0357A-FO	5/12/09	F9E150141-012	
4102-0358A-FO	5/12/09	F9E150141-013	
4103-0589A-FO	5/12/09	F9E150141-014	
4103-0590A-FO	5/12/09	F9E150141-015	
4103-0591A-FO	5/12/09	F9E150141-016	
4103-0592A-FO	5/12/09	F9E150141-017	
4103-0593A-FO	5/12/09	F9E150141-018	
4103-0594A-FO	5/12/09	F9E150141-019	
4103-0595A-FO	5/12/09	F9E150141-020	
4103-0596A-FO	5/12/09	F9E150141-021	Lab duplicate
4103-0597A-FO	5/12/09	F9E150141-022	
4103-0598A-FO	5/12/09	F9E150141-023	
4103-0599A-FO	5/12/09	F9E150141-024	
4103-0600A-FO	5/12/09	F9E150141-025	
4103-0601A-FO	5/12/09	F9E150141-026	
4108-0731A-HO	5/13/09	F9E150141-027	
4108-0742A-HO	5/13/09	F9E150141-028	
4108-0752A-HO	5/13/09	F9E150141-029	
4108-0757A-HO	5/13/09	F9E150141-030	
4108-0763A-HO	5/13/09	F9E150141-031	
4108-0772A-HO	5/13/09	F9E150141-032	
4108-0793A-HO	5/13/09	F9E150141-033	
4108-0797A-HO	5/13/09	F9E150141-034	
4108-0803A-HO	5/13/09	F9E150141-035	
4108-0819A-HO	5/13/09	F9E150141-036	
4108-0820A-HO	5/13/09	F9E150141-037	

Form Number: 458_1
Rev. 08-16-07

Project: F9E150141 Rad Validation – 37 Soils Page 2 of 9

Job Number: 123959 Date: 7-15-2009 Completed By: Thomas B. Granat

Isotopic Plutonium, Thorium, Uranium

	Iso Plutonium			Iso Thorium			Iso Uranium		
Lab No.	Prep Date	Anal Date	Batch #	Prep Date	Anal Date	Batch #	Prep Date	Anal Date	Batch #
001	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
002	5/18	5/21	9138227	5/22	5/25	9142331	5/18	5/21	9138233
003	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
004	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
005	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
006	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
007	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
008	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
009	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
010	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
011	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
012	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
013	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
014	5/18	5/21	9138227	5/18	5/21	9138229	5/18	5/21	9138233
015	5/18	5/21	9138227	5/18	5/22	9138229	5/18	5/21	9138233
016	5/18	5/21	9138227	5/22	5/25	9142331	5/18	5/21	9138233
017	5/22	5/25	9142330	5/18	5/22	9138229	5/18	5/21	9138233
018	5/18	5/23	9138227	5/22	5/25	9142331	5/18	5/21	9138233
019	5/18	5/21	9138227	5/22	5/25	9142331	5/18	5/21	9138233
020	5/18	5/21	9138227	5/22	5/25	9142331	5/18	5/21	9138233
021	5/18	5/21	9138470	5/18	5/22	9138471	5/18	5/21	9138472
022	5/18	5/21	9138470	5/18	5/22	9138471	5/18	5/21	9138472
023	5/18	5/21	9138470	5/22	5/25	9142331	5/18	5/21	9138472
024	5/18	5/21	9138470	5/18	5/22	9138471	5/18	5/21	9138472
025	5/18	5/21	9138470	5/18	5/22	9138471	5/18	5/21	9138472
026	5/18	5/21	9138470	5/18	5/22	9138471	5/18	5/21	9138472
027	5/18	5/21	9138470	5/18	5/22	9138471	5/18	5/21	9138472
028	5/18	5/21	9138470	5/18	5/22	9138471	5/18	5/21	9138472
029	5/18	5/21	9138470	5/18	5/22	9138471	5/18	5/21	9138472
030	5/18	5/21	9138470	5/18	5/22	9138471	5/18	5/21	9138472
031	5/22	5/26	9142330	5/18	5/22	9138471	5/18	5/21	9138472

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Job Number: 123959 Date: 7-15-2009 Completed By: Thomas B. Granat

Isotopic Plutonium, Thorium, Uranium

	Iso Pu			Iso Th			Iso U		
Lab No.	Prep Date	Anal Date	Batch #	Prep Date	Anal Date	Batch #	Prep Date	Anal Date	Batch #
031	5/22	5/26	9142330	5/18	5/22	9138471	5/18	5/21	9138472
032	5/18	5/21	9138470	5/18	5/22	9138471	5/18	5/21	9138472
033	5/18	5/21	9138470	5/22	5/25	9142331	5/18	5/21	9138472
034	5/18	5/21	9138470	5/22	5/25	9142331	5/18	5/21	9138472
035	5/18	5/21	9138470	5/22	5/25	9142331	5/18	5/21	9138472
036	5/18	5/21	9138470	5/22	5/25	9142331	5/18	5/21	9138472
037	5/18	5/21	9138470	5/22	5/25	9142331	5/18	5/21	9138472

Lab Duplicate

4102-0359A-FO (pCi/g)

Isotope	Value 1	Value 2	RPD	
Pu-238	0.099	0.055	56	RER = 0.8279
Pu-239/240	ND	ND	---	
Th-228	0.75	0.64	16	No Action
Th-230	0.64	0.74	15	
Th-232	0.79	0.70	12	
U-233/234	0.62	0.50	21	
U-235	ND	0.054	---	
U-238	0.58	0.55	5.3	

4103-0596A-FO

Isotope	Value 1	Value 2	RPD	
Pu-238	0.194	0.252	26	No Action
Pu-239/240	ND	ND	---	
Th-228	1.07	1.15	7.2	
Th-230	0.99	1.16	16	
Th-232	0.96	0.84	14	
U-233/234	0.80	0.68	16	
U-235	0.68	ND	---	
U-238	0.93	0.78	17	

Used 35 % RPD (CLP Guidelines)

Project: F9E150141 Rad Validation – 37 Soils Page 4 of 9
Job Number: 123959 Date: 7-15-2009 Completed By: Thomas B. Granat

Field Duplicate
4102-0361A

Isotope	Value 1	Value 2	RPD	
Pu-238	15.2	8.10	61	No Action
Pu-239/240	0.091	ND	---	
Th-228	0.86	0.86	0.0	
Th-230	1.20	0.77	44	
Th-232	0.53	0.68	25	
U-233/234	1.01	0.75	30	
U-235	0.065	ND	---	
U-238	0.98	0.81	19	

Method Blank

Batch #	Isotope	pCi/g	
9138227	Pu-238	ND	No Action
	Pu-239/240	ND	
9138229	Th-228	ND	
	Th-230	0.021	No Action, samples >5x MB
	Th-232	ND	
9138233	U-233/234	ND	No Action
	U-235	ND	
	U-238	ND	
9138470	Pu-238	ND	No Action
	Pu-239/240	ND	
9138471	Th-228	ND	
	Th-230	0.023	No Action, samples >5x MB
	Th-232	ND	
9138472	U-233/234	ND	No Action
	U-235	ND	
	U-238	ND	
9142330	Pu-238	ND	No Action
	Pu-239/240	ND	
9142331	Th-228	ND	
	Th-230	0.031	No Action, samples >5x MB
	Th-232	ND	

Project: F9E150141 Rad Validation – 37 Soils Page 5 of 9

Job Number: 123959 Date: 7-15-2009 Completed By: Thomas B. Granat

Laboratory Control Sample No Action

Batch #	Isotope	Spike	Result	% R	Control Limit	
9138227	Pu-238	1.54	1.57	102	66 - 125	
	Pu-239/240	3.30	3.32	100	75 - 130	
9138229	Th-230	58.5	57.0	97	83 - 126	
9138233	U-233/234	19.4	17.0	88	69 - 125	
	U-238	19.4	16.4	85	68 - 121	
9138470	Pu-238	1.54	1.46	95	66 - 125	
	Pu-239/240	3.30	3.16	96	75 - 130	
9138471	Th-230	58.5	56.4	97	83 - 126	
9138472	U-233/234	19.6	17.2	88	69 - 125	
	U-238	19.6	18.0	92	68 - 121	
9142330	Pu-238	3.08	2.63	85	66 - 125	
	Spk 2	3.08	3.18	103	66 – 125	% RPD = 19
	Pu-239/240	6.61	5.99	91	75 - 130	
	Spk 2	6.61	6.81	103	75 – 130	% RPD = 13
9142331	Th-230	57.0	55.4	97	83 - 126	
	Spk 2	58.5	54.3	93	83 – 126	% RPD = 4.2

Alpha Spectroscopy

Isotopic Plutonium – Analytical Method EML A-01-R MOD

Daily pulser checks were performed on 5/21, 5/23, 5/25, and 5/26/2009 prior to sample counting.
All sample tracer yields were within the 30 – 110 % QC limit.
Monthly calibrations and backgrounds were performed accordingly.
Sample prep sheets and instrument run logs were completed.
Manual integration was performed on the LCS's for each batch.
No anomalies were identified within sample spectra.
No action taken.

Isotopic Thorium - Analytical Method EML A-01-R MOD
Daily pulser checks were performed on 5/22, 5/22, and 5/25/2009 prior to sample counting
The laboratory duplicate (021X) had a tracer recovery of 25 % which is below the 30 % QC limit. The Sample/sample duplicate RPD was acceptable so no action was taken.
Monthly calibrations and backgrounds were performed accordingly.
Sample prep sheets and instrument run logs were completed.
Manual integration was performed on the following samples: 001X, 003, 004, 005, 006, 008, 011, 012, 017, 229C, 021, 022, 027, 029, 030, 031, 471B, and 471C. No anomalies were identified within sample spectra.

Job Number: 123959 Date: 7-15-2009 Completed By: Thomas B. Granat

Alpha Spectroscopy (continued)

Isotopic Thorium - Analytical Method EML A-01-R MOD
Manual integration was performed on the following samples: 001X, 003, 004, 005, 006, 008, 011, 012, 017, 229C, 021, 022, 027, 029, 030, 031, 471B, and 471C. No anomalies were identified within sample spectra.
No action taken.

Isotopic Uranium - Analytical Method EML A-01-R MOD
Daily pulser checks were performed on 5/21/2009 prior to sample counting.
All sample tracer yields were within the 30 – 110 % QC limit.
Monthly calibrations and backgrounds were performed accordingly.
Sample prep sheets and instrument run logs were completed.
No anomalies were identified within sample spectra.
No action taken

Gamma Spectroscopy

Lab No.	Prep Date	Anal Date	Batch #	Lab No.	Prep Date	Anal Date	Batch #
001	5/18	5/18	9138449	015	5/18	5/19	9138449
002	5/18	5/18	9138449	016	5/18	5/20	9138449
003	5/18	5/18	9138449	017	5/18	5/20	9138449
004	5/18	5/18	9138449	018	5/18	5/19	9138449
005	5/18	5/18	9138449	019	5/18	5/20	9138449
006	5/18	5/18	9138449	020	5/18	5/20	9138449
007	5/18	5/18	9138449	021	5/18	5/20	9138450
008	5/18	5/18	9138449	022	5/18	5/19	9138450
009	5/18	5/18	9138449	023	5/18	5/19	9138450
010	5/18	5/18	9138449	024	5/18	5/18	9138450
011	5/18	5/18	9138449	025	5/18	5/19	9138450
012	5/18	5/18	9138449	026	5/18	5/19	9138450
013	5/18	5/18	9138449	027	5/18	5/19	9138450
014	5/18	5/19	9138449	028	5/18	5/20	9138450

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Job Number: 123959 Date: 7-15-2009 Completed By: Thomas B. Granat

Gamma Spectroscopy (continued)

Lab No.	Prep Date	Anal Date	Batch #	Lab No.	Prep Date	Anal Date	Batch #
029	5/18	5/19	9138450	034	5/18	5/20	9138450
030	5/18	5/19	9138450	035	5/18	5/20	9138450
031	5/18	5/20	9138450	036	5/18	5/20	9138450
032	5/18	5/19	9138450	037	5/18	5/19	9138450
033	5/18	5/19	9138450				

Laboratory Duplicate
4102-0359A-FO

Isotope	Value 1	Value 2	RPD	
Ac-228	0.40	0.58	38	No Action
Bi-214	0.47	0.55	15	
Ra-226	0.47	0.55	15	
Pb-212	0.52	0.52	0	
Pb-214	0.60	0.37	48	
K-40	10.4	13.2	24	
Tl-208	0.119	0.229	60	RER = 0.8868, No Action taken

Laboratory Duplicate
4103-0596A-FO

Isotope	Value 1	Value 2	RPD	
Ac-228	1.08	1.50	32	No Action
Bi-214	0.71	0.91	25	
Ra-226	0.71	0.91	25	
Pb-212	1.03	1.08	4.7	
Pb-214	0.79	0.76	3.9	
K-40	28.2	29.0	2.8	
Tl-208	0.366	0.354	3.3	

Control Limit (CL) = 0 – 50 %

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Job Number: 123959 Date: 7-15-2009 Completed By: Thomas B. Granat

Gamma Spectroscopy (continued)

Field Duplicate
4102-0361A-FO

Isotope	Value 1	Value 2	RPD	
Ac-228	0.80	0.53	41	No Action
Bi-214	0.67	0.46	37	
Ra-226	0.67	0.46	37	
Pb-212	0.68	0.62	9.4	
Pb-214	0.61	0.56	8.5	
K-40	17.9	15.7	13	
Tl-208	0.192	0.249	26	

Control Limit (CL) = 0 – 50 %

Method Blank

Batch # 9138449 Batch # 9138450

Isotope	pCi/g	Isotope	pCi/g	
Ac-227	ND	Ac-227	ND	No Action
Ac-228	ND	Ac-228	ND	
Am-241	ND	Am-241	ND	
Bi-207	ND	Bi-207	ND	
Bi-210m	ND	Bi-210m	ND	
Bi-214	ND	Bi-214	ND	
Cs-137	ND	Cs-137	ND	
Co-60	ND	Co-60	ND	
Pb-210	ND	Pb-210	ND	
Pa-231	ND	Pa-231	ND	
Ra-226	ND	Ra-226	ND	
Th-229	ND	Th-229	ND	
U-235	ND	U-235	ND	
U-238	ND	U-238	ND	

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Lot No. F9E150141 PRS 441 Rad Validation

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Job Number: 123959 Date: 7-15-2009 Completed By: Thomas B. Granat

Gamma Spectroscopy (continued)

Laboratory Control Sample

Batch #	Isotope	Spike	Result	% R	Control Limit	
9138449	Am-241	98.8	99.1	100	89 – 112	No Action
	Cs-137	37.1	38.8	104	91 - 118	
	Co-60	61.4	61.4	100	90 - 110	

Batch #	Isotope	Spike	Result	% R	Control Limit	
9138450	Am-241	98.8	99.3	100	89 – 112	No Action
	Cs-137	37.1	39.0	105	91 - 118	
	Co-60	61.4	61.1	99	90 - 110	

Gamma Spectroscopy – Cs-137 & Hits, Analytical Method EML GA-01-R MOD

By client request, Ra-226 was reported from the 609.31 keV line of Bi-214. Because the samples have not had a 21 day ingrowth, disrupting the secular equilibrium between Ra-226 and Bi-214, the activity for Ra-226 may be biased low. All Ra-226 results should be "J" Qualified as estimates.
Daily Instrument checks were performed on 5/18 through 5/21/2009 prior to sample counting.
All sample tracer yields were within the 30 – 110 % QC limit.
Efficiency Calibrations and monthly backgrounds were performed accordingly.
Sample prep sheets and instrument run logs were completed.
No anomalies were identified within sample spectra.
No action taken

TestAmerica St. Louis

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 123959

Miamisburg Mound

Lot #: F9E150141

Karl Van Keuren

Shaw E & I Inc
5050 Section Ave
Cincinnati, OH 45212

TESTAMERICA LABORATORIES, INC.

Ivan Vania
Project Manager

May 28, 2009

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Case Narrative
LOT NUMBER: F9E150141

This report contains the analytical results for the 37 samples received under chain of custody by TestAmerica St. Louis on May 15, 2009. These samples are associated with your Miamisburg Mound project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted on the following page.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by TestAmerica St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Observations/Nonconformances
Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

Gamma Spectroscopy Method EML GA-01-R MOD

Ra-226 is reported in these samples at the client's request. Ra-226 is reported from the 609.31 keV line of Bi-214. Because the samples have not had a 21 day ingrowth the activity for Ra-226 is an estimated value and may be biased low. This bias is caused by the disruption of secular equilibrium between Ra-226 and Bi-214 by the loss of Rn-222 during sample preparation.

Affected Samples:

F9E150141 (1): 4102-0359A-FO
F9E150141 (2): 4102-0360A-FO
F9E150141 (3): 4102-0361A-FO
F9E150141 (4): 4102-0361A-FD
F9E150141 (5): 4102-0350A-FO
F9E150141 (6): 4102-0351A-FO
F9E150141 (7): 4102-0352A-FO
F9E150141 (8): 4102-0353A-FO
F9E150141 (9): 4102-0354A-FO
F9E150141 (10): 4102-0355A-FO
F9E150141 (11): 4102-0356A-FO
F9E150141 (12): 4102-0357A-FO
F9E150141 (13): 4102-0358A-FO
F9E150141 (14): 4103-0589A-FO
F9E150141 (15): 4103-0590A-FO
F9E150141 (16): 4103-0591A-FO
F9E150141 (17): 4103-0592A-FO
F9E150141 (18): 4103-0593A-FO
F9E150141 (19): 4103-0594A-FO
F9E150141 (20): 4103-0595A-FO
F9E150141 (21): 4103-0596A-FO
F9E150141 (22): 4103-0597A-FO
F9E150141 (23): 4103-0598A-FO
F9E150141 (24): 4103-0599A-FO
F9E150141 (25): 4103-0600A-FO
F9E150141 (26): 4103-0601A-FO
F9E150141 (27): 4108-0731A-HO
F9E150141 (28): 4108-0742A-HO
F9E150141 (29): 4108-0752A-HO
F9E150141 (30): 4108-0757A-HO
F9E150141 (31): 4108-0763A-HO
F9E150141 (32): 4108-0772A-HO
F9E150141 (33): 4108-0793A-HO
F9E150141 (34): 4108-0797A-HO
F9E150141 (35): 4108-0803A-HO
F9E150141 (36): 4108-0819A-HO
F9E150141 (37): 4108-0820A-HO

All Ra-226 results "J" qualified

Isotopic Plutonium Method EML A-01-R MOD

The samples have tracer recoveries below the 30% QC limit. Samples were sent back for re-extraction. The re-extracted sample results are acceptable and will be reported.

Affected Samples:

F9E150141 (17): 4103-0592A-FO
F9E150141 (31): 4108-0763A-HO

✓

The reporting limit was not met due to activity in the samples above the MDA. The sample results will be reported.

Affected Samples:

F9E150141 (2): 4102-0360A-FO
F9E150141 (3): 4102-0361A-FO
F9E150141 (4): 4102-0361A-FD
F9E150141 (5): 4102-0350A-FO
F9E150141 (6): 4102-0351A-FO
F9E150141 (7): 4102-0352A-FO
F9E150141 (8): 4102-0353A-FO
F9E150141 (9): 4102-0354A-FO
F9E150141 (10): 4102-0355A-FO
F9E150141 (14): 4103-0589A-FO
F9E150141 (15): 4103-0590A-FO
F9E150141 (16): 4103-0591A-FO
F9E150141 (19): 4103-0594A-FO
F9E150141 (20): 4103-0595A-FO
F9E150141 (21): 4103-0596A-FO
F9E150141 (22): 4103-0597A-FO
F9E150141 (24): 4103-0599A-FO
F9E150141 (25): 4103-0600A-FO

✓

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7-16-09

Affected Samples (cont):

F9E150141 (11): 4102-0356A-FO
F9E150141 (12): 4102-0357A-FO
F9E150141 (13): 4102-0358A-FO
F9E150141 (26): 4103-0601A-FO
F9E150141 (30): 4108-0757A-HO
F9E150141 (35): 4108-0803A-HO

The reporting limit was not met due to the high activity of the sample. The sample results will be reported.

Affected Samples:

F9E150141 (17): 4103-0592A-FO

Isotopic Thorium Method EML A-01-R MOD

The samples have tracer recoveries below the 30% QC limit. Samples were sent back for re-extraction. The re-extracted sample results are acceptable and will be reported.

Affected Samples:

F9E150141 (2): 4102-0360A-FO
F9E150141 (16): 4103-0591A-FO
F9E150141 (18): 4103-0593A-FO
F9E150141 (19): 4103-0594A-FO
F9E150141 (20): 4103-0595A-FO
F9E150141 (23): 4103-0598A-FO
F9E150141 (33): 4108-0793A-HO
F9E150141 (34): 4108-0797A-HO
F9E150141 (35): 4108-0803A-HO
F9E150141 (36): 4108-0819A-HO
F9E150141 (37): 4108-0820A-HO

The sample duplicate has a tracer recovery below the 30% QC limit. The associated sample recovered low but within range, indicating a matrix interference. The duplicate also did not meet the CRDL due to the reduced tracer recovery. The sample results will be reported.

Affected Samples:

F9E150141 (21): 4103-0596A-FO
F9E150141 (22): 4103-0597A-FO
F9E150141 (23): 4103-0598A-FO
F9E150141 (24): 4103-0599A-FO
F9E150141 (25): 4103-0600A-FO
F9E150141 (26): 4103-0601A-FO
F9E150141 (27): 4108-0731A-HO
F9E150141 (28): 4108-0742A-HO
F9E150141 (29): 4108-0752A-HO
F9E150141 (30): 4108-0757A-HO
F9E150141 (31): 4108-0763A-HO
F9E150141 (32): 4108-0772A-HO
F9E150141 (33): 4108-0793A-HO
F9E150141 (34): 4108-0797A-HO
F9E150141 (35): 4108-0803A-HO
F9E150141 (36): 4108-0819A-HO
F9E150141 (37): 4108-0820A-HO

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7-16-09

TestAmerica St. Louis

METHODS SUMMARY

F9E150141

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Gamma Spectroscopy - Cesium-137 & Hits	EML GA-01-R MOD	
Isotopic Plutonium by Alpha Spectroscopy	EML A-01-R MOD	
Isotopic Thorium by Alpha Spectroscopy	EML A-01-R MOD	✓
Isotopic Uranium by Alpha Spectroscopy	EML A-01-R MOD	

References:

EML "ENVIRONMENTAL MEASUREMENTS LABORATORY PROCEDURES MANUAL"
HASL-300 28TH EDITION, VOLUME I and II DEPARTMENT OF ENERGY

TBG
7-16-09

TestAmerica St. Louis

SAMPLE SUMMARY

F9E150141

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LC40D	001	4102-0359A-FO	05/12/09	08:40
LC40N	002	4102-0360A-FO	05/12/09	08:25
LC40W	003	4102-0361A-FO	05/12/09	08:30
LC402	004	4102-0361A-FD	05/12/09	08:30
LC405	005	4102-0350A-FO	05/12/09	09:00
LC408	006	4102-0351A-FO	05/12/09	09:05
LC409	007	4102-0352A-FO	05/12/09	08:55
LC41F	008	4102-0353A-FO	05/12/09	08:15
LC41J	009	4102-0354A-FO	05/12/09	08:10
LC41M	010	4102-0355A-FO	05/12/09	08:50
LC41T	011	4102-0356A-FO	05/12/09	08:05
LC414	012	4102-0357A-FO	05/12/09	08:20
LC418	013	4102-0358A-FO	05/12/09	08:00
LC42C	014	4103-0589A-FO	05/12/09	10:30
LC42E	015	4103-0590A-FO	05/12/09	10:35
LC42H	016	4103-0591A-FO	05/12/09	10:20
LC42K	017	4103-0592A-FO	05/12/09	09:50
LC42M	018	4103-0593A-FO	05/12/09	10:40
LC42Q	019	4103-0594A-FO	05/12/09	10:20
LC42T	020	4103-0595A-FO	05/12/09	09:55
LC42V	021	4103-0596A-FO	05/12/09	10:00
LC420	022	4103-0597A-FO	05/12/09	10:45
LC421	023	4103-0598A-FO	05/12/09	10:15
LC423	024	4103-0599A-FO	05/12/09	10:05
LC424	025	4103-0600A-FO	05/12/09	08:45
LC426	026	4103-0601A-FO	05/12/09	10:10
LC428	027	4108-0731A-HO	05/13/09	09:25
LC429	028	4108-0742A-HO	05/13/09	10:35
LC43C	029	4108-0752A-HO	05/13/09	10:30
LC43D	030	4108-0757A-HO	05/13/09	10:25
LC43E	031	4108-0763A-HO	05/13/09	09:45
LC43H	032	4108-0772A-HO	05/13/09	10:20
LC43J	033	4108-0793A-HO	05/13/09	10:10
LC43M	034	4108-0797A-HO	05/13/09	09:50
LC43N	035	4108-0803A-HO	05/13/09	09:55
LC43P	036	4108-0819A-HO	05/13/09	10:00

(Continued on next page)

TBG
7-16-09

TestAmerica St. Louis

SAMPLE SUMMARY

F9E150141

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LC43Q	037	4108-0820A-HO	05/13/09	10:05

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0359A-FO

Radiochemistry

Lab Sample ID: F9E150141-001
Work Order: LC40D
Matrix: SOLID

Date Collected: 05/12/09 0840
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138449		Yld %
Actinium 227	-0.05	U	U	0.19		0.34	05/18/09	05/18/09
Actinium 228	0.40		=	0.21		0.31	05/18/09	05/18/09
Americium 241	-0.012	U	U	0.063		0.11	05/18/09	05/18/09
Bismuth-207	0.008	U		0.036		0.066	05/18/09	05/18/09
Bismuth-210M	-0.016	U		0.055		0.096	05/18/09	05/18/09
Bismuth 214	0.47		=	0.14		0.13	05/18/09	05/18/09
Cesium 137	0.008	U	U	0.049	0.200	0.091	05/18/09	05/18/09
Cobalt 60	0.0	U		0.054		0.11	05/18/09	05/18/09
Lead 210	1.4	U		1.3	3.7	2.2	05/18/09	05/18/09
Protactinium 231	0.11	U		0.94	2.00	1.7	05/18/09	05/18/09
Radium (226)	0.47		J	0.14		0.13	05/18/09	05/18/09
Thorium 229	-0.15	U	U	0.64		1.1	05/18/09	05/18/09
Uranium 235	-0.04	U		1.8		0.4	05/18/09	05/18/09
Uranium 238	1.16	U		0.93		1.4	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.52		=	0.11		0.11	05/18/09	05/18/09
Lead 214	0.60			0.12		0.08	05/18/09	05/18/09
Potassium 40	10.4			1.8		0.7	05/18/09	05/18/09
Thallium 208	0.119			0.053		0.063	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138229		Yld % 51
Thorium 228	0.75		=	0.22	0.20	0.13	05/18/09	05/21/09
Thorium 230	0.64			0.20	0.20	0.12	05/18/09	05/21/09
Thorium 232	0.79			0.22	0.20	0.09	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138227		Yld % 88
Plutonium 238	0.099		=	0.030	0.020	0.015	05/18/09	05/21/09
Plutonium 239/40	0.0	U	U	0.0057	0.0200	0.015	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138233		Yld % 84
Uranium 233/234	0.62		=	0.16	0.20	0.08	05/18/09	05/21/09
Uranium 235	0.018	U	U	0.029	0.200	0.046	05/18/09	05/21/09
Uranium 238	0.58		=	0.15	0.20	0.06	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0359A-FO DUP

Radiochemistry

Lab Sample ID: F9E150141-001X
Work Order: LC40D
Matrix: SOLID

Date Collected: 05/12/09 0840
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 86
Plutonium 238	0.055		=	0.023	0.020	0.015	05/18/09	05/21/09
Plutonium 239/40	0.0020	U	U	0.0041	0.0200	0.0055	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138229		Yld % 41
Thorium 228	0.64		=	0.22	0.20	0.1	05/18/09	05/21/09
Thorium 230	0.74		↓	0.24	0.20	0.13	05/18/09	05/21/09
Thorium 232	0.70		↓	0.23	0.20	0.11	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 86
Uranium 233/234	0.50		=	0.13	0.20	0.05	05/18/09	05/21/09
Uranium 235	0.054	J	↓	0.049	0.200	0.052	05/18/09	05/21/09
Uranium 238	0.55		↓	0.14	0.20	0.06	05/18/09	05/21/09
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.02	U		0.60		1.0	05/18/09	05/18/09
Actinium 228	0.58		=	0.19		0.13	05/18/09	05/18/09
Americium 241	0.004	U	U	0.094		0.16	05/18/09	05/18/09
Bismuth-207	0.0001	U	↓	0.037		0.069	05/18/09	05/18/09
Bismuth-210M	0.0	U	↓	0.071		0.12	05/18/09	05/18/09
Bismuth 214	0.55		=	0.15		0.14	05/18/09	05/18/09
Cesium 137	0.0	U	U	0.067	0.200	0.12	05/18/09	05/18/09
Cobalt 60	0.026	U	↓	0.051		0.088	05/18/09	05/18/09
Lead 210	0.7	U	↓	1.2	3.7	2.1	05/18/09	05/18/09
Protactinium 231	0.08	U	↓	1.1	2.0	2.0	05/18/09	05/18/09
Radium (226)	0.55		J	0.15		0.14	05/18/09	05/18/09
Thorium 229	-0.15	U	U	0.66		1.1	05/18/09	05/18/09
Uranium 235	-0.1	U	↓	1.2		0.4	05/18/09	05/18/09
Uranium 238	0.5	U	↓	1.1		2.0	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.52		=	0.11		0.11	05/18/09	05/18/09
Lead 214	0.37		↓	0.11		0.15	05/18/09	05/18/09
Potassium 40	13.2		↓	1.8		1	05/18/09	05/18/09
Thallium 208	0.221		↓	0.061		0.059	05/18/09	05/18/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TPG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0360A-FO

Radiochemistry

Lab Sample ID: F9E150141-002
Work Order: LC40N
Matrix: SOLID

Date Collected: 05/12/09 0825
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.19	U	U	0.34		0.58	05/18/09	05/18/09
Actinium 228	0.53		=	0.23		0.29	05/18/09	05/18/09
Americium 241	-0.02	U	U	0.11		0.19	05/18/09	05/18/09
Bismuth-207	0.002	U	↓	0.037		0.069	05/18/09	05/18/09
Bismuth-210M	0.0	U	↓	0.056		0.10	05/18/09	05/18/09
Bismuth 214	0.53		=	0.15		0.15	05/18/09	05/18/09
Cesium 137	-0.005	U	U	0.059	0.200	0.11	05/18/09	05/18/09
Cobalt 60	-0.015	U	↓	0.066		0.12	05/18/09	05/18/09
Lead 210	0.3	U	↓	1.3	3.7	2.5	05/18/09	05/18/09
Protactinium 231	-0.7	U	↓	1.3	2.0	2.2	05/18/09	05/18/09
Radium (226)	0.53		J	0.15		0.15	05/18/09	05/18/09
Thorium 229	0.11	U	U	0.58		1.0	05/18/09	05/18/09
Uranium 235	0.07	U	↓	0.22		0.39	05/18/09	05/18/09
Uranium 238	1.2	U	↓	1.1		1.9	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.44		=	0.12		0.13	05/18/09	05/18/09
Lead 214	0.52		↓	0.13		0.14	05/18/09	05/18/09
Potassium 40	13.2		↓	1.9		0.4	05/18/09	05/18/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 94
Plutonium 238	2.27		=	0.32	0.02	0.07	05/18/09	05/21/09
Plutonium 239/40	0.037	U	U	0.037	0.020	0.047	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 89
Uranium 233/234	0.70		=	0.16	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.027	J	↓	0.032	0.200	0.025	05/18/09	05/21/09
Uranium 238	0.82		↓	0.17	0.20	0.05	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9142331		Yld % 54
Thorium 228	0.99		=	0.24	0.20	0.12	05/22/09	05/25/09
Thorium 230	0.98		↓	0.23	0.20	0.07	05/22/09	05/25/09
Thorium 232	0.70		↓	0.19	0.20	0.06	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0361A-FO

Radiochemistry

Lab Sample ID: F9E150141-003
Work Order: LC40W
Matrix: SOLID

Date Collected: 05/12/09 0830
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	0.0	U	U	0.15		0.28	05/18/09	05/18/09
Actinium 228	0.80		=	0.24		0.22	05/18/09	05/18/09
Americium 241	0.06	U	U	0.11		0.19	05/18/09	05/18/09
Bismuth-207	-0.0002	U	↓	0.044		0.083	05/18/09	05/18/09
Bismuth-210M	0.021	U	↓	0.052		0.090	05/18/09	05/18/09
Bismuth 214	0.67		=	0.16		0.10	05/18/09	05/18/09
Cesium 137	0.01	U	U	0.062	0.200	0.11	05/18/09	05/18/09
Cobalt 60	0.0	U	↓	0.082		0.16	05/18/09	05/18/09
Lead 210	1.1	U	↓	1.9	3.7	2.9	05/18/09	05/18/09
Protactinium 231	-0.6	U	↓	1.2	2.0	2.0	05/18/09	05/18/09
Radium (226)	0.67		J	0.16		0.10	05/18/09	05/18/09
Thorium 229	0.0002	U	U	0.67		1.2	05/18/09	05/18/09
Uranium 235	0.14	U	↓	0.22		0.37	05/18/09	05/18/09
Uranium 238	0.6	U	↓	1.2		2.0	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.68		=	0.14		0.13	05/18/09	05/18/09
Lead 214	0.61		↓	0.17		0.19	05/18/09	05/18/09
Potassium 40	17.9		↓	2.6		0.8	05/18/09	05/18/09
Thallium 208	0.192		↓	0.079		0.090	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138229		Yld % 41
Thorium 228	0.86		=	0.26	0.20	0.12	05/18/09	05/21/09
Thorium 230	1.20		↓	0.31	0.20	0.10	05/18/09	05/21/09
Thorium 232	0.53		↓	0.20	0.20	0.09	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 90
Plutonium 238	15.2		=	1.5	0.02	0.04	05/18/09	05/21/09
Plutonium 239/40	0.091		↓	0.054	0.020	0.035	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 89
Uranium 233/234	1.01		=	0.20	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.065	J	↓	0.053	0.200	0.053	05/18/09	05/21/09
Uranium 238	0.98		↓	0.19	0.20	0.02	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0361A-FD

Radiochemistry

Lab Sample ID: F9E150141-004
Work Order: LC402
Matrix: SOLID

Date Collected: 05/12/09 0830
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.43	U	U	0.47		0.77	05/18/09	05/18/09
Actinium 228	0.53		=	0.24		0.32	05/18/09	05/18/09
Americium 241	-0.005	U	U	0.14		0.24	05/18/09	05/18/09
Bismuth-207	0.0004	U	↓	0.039		0.073	05/18/09	05/18/09
Bismuth-210M	0.018	U	↓	0.060		0.10	05/18/09	05/18/09
Bismuth 214	0.46		=	0.17		0.19	05/18/09	05/18/09
Cesium 137	0.006	U	U	0.050	0.200	0.091	05/18/09	05/18/09
Cobalt 60	-0.003	U	↓	0.060		0.11	05/18/09	05/18/09
Lead 210	1.4	U	↓	1.5	3.7	2.5	05/18/09	05/18/09
Protactinium 231	-0.03	U	↓	1.2	2.0	2.1	05/18/09	05/18/09
Radium (226)	0.46		J	0.17		0.19	05/18/09	05/18/09
Thorium 229	0.66	U	U	0.68		1.1	05/18/09	05/18/09
Uranium 235	-0.09	U	↓	1.2		0.5	05/18/09	05/18/09
Uranium 238	1.1	U	↓	1.2		2.0	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.62		=	0.13		0.12	05/18/09	05/18/09
Lead 214	0.56		↓	0.13		0.17	05/18/09	05/18/09
Potassium 40	15.7		↓	2.1		0.4	05/18/09	05/18/09
Thallium 208	0.249		↓	0.065		0.058	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138229		Yld % 60
Thorium 228	0.86		=	0.21	0.20	0.09	05/18/09	05/21/09
Thorium 230	0.77		↓	0.20	0.20	0.09	05/18/09	05/21/09
Thorium 232	0.68		↓	0.19	0.20	0.05	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 88
Plutonium 238	8.10		=	0.84	0.02	0.05	05/18/09	05/21/09
Plutonium 239/40	0.029	U	U	0.036	0.020	0.053	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 90
Uranium 233/234	0.75		=	0.17	0.20	0.04	05/18/09	05/21/09
Uranium 235	0.038	U	U	0.041	0.200	0.047	05/18/09	05/21/09
Uranium 238	0.81		=	0.18	0.20	0.05	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0350A-FO

Radiochemistry

Lab Sample ID: F9E150141-005
Work Order: LC405
Matrix: SOLID

Date Collected: 05/12/09 0900
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	0.0	U	U	0.69		1.2	05/18/09	05/18/09
Actinium 228	0.77		=	0.20		0.21	05/18/09	05/18/09
Americium 241	-0.03	U	U	0.60		0.20	05/18/09	05/18/09
Bismuth-207	0.014	U		0.036		0.064	05/18/09	05/18/09
Bismuth-210M	-0.009	U		0.054		0.098	05/18/09	05/18/09
Bismuth 214	0.73		=	0.22		0.19	05/18/09	05/18/09
Cesium 137	-0.01	U	U	0.15	0.20	0.13	05/18/09	05/18/09
Cobalt 60	-0.005	U		0.080		0.12	05/18/09	05/18/09
Lead 210	0.2	U		1.3	3.7	2.4	05/18/09	05/18/09
Protactinium 231	-0.8	U		1.4	2.0	2.3	05/18/09	05/18/09
Radium (226)	0.73		J	0.22		0.19	05/18/09	05/18/09
Thorium 229	0.18	U	U	0.56		0.97	05/18/09	05/18/09
Uranium 235	0.04	U		0.23		0.41	05/18/09	05/18/09
Uranium 238	0.4	U		1.1		1.9	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.61		=	0.12		0.1	05/18/09	05/18/09
Lead 214	0.71			0.14		0.09	05/18/09	05/18/09
Potassium 40	10.9			1.9		0.8	05/18/09	05/18/09
Thallium 208	0.155			0.068		0.082	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138229		Yld % 39
Thorium 228	0.56		=	0.21	0.20	0.12	05/18/09	05/21/09
Thorium 230	0.88			0.26	0.20	0.09	05/18/09	05/21/09
Thorium 232	0.77			0.24	0.20	0.08	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 86
Plutonium 238	0.092		=	0.059	0.020	0.053	05/18/09	05/21/09
Plutonium 239/40	-0.0042	U	U	0.0059	0.0200	0.044	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 91
Uranium 233/234	0.61		=	0.15	0.20	0.05	05/18/09	05/21/09
Uranium 235	0.014	U	U	0.028	0.200	0.050	05/18/09	05/21/09
Uranium 238	0.62		=	0.15	0.20	0.05	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TPG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0351A-FO

Radiochemistry

Lab Sample ID: F9E150141-006
Work Order: LC408
Matrix: SOLID

Date Collected: 05/12/09 0905
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138449		Yld %
Actinium 227	0.06	U	U	0.18		0.32	05/18/09	05/18/09
Actinium 228	0.39		=	0.20		0.26	05/18/09	05/18/09
Americium 241	0.02	U	U	0.12		0.20	05/18/09	05/18/09
Bismuth-207	0.013	U	↓	0.027		0.047	05/18/09	05/18/09
Bismuth-210M	-0.001	U	↓	0.048		0.086	05/18/09	05/18/09
Bismuth 214	0.60		=	0.15		0.13	05/18/09	05/18/09
Cesium 137	0.016	U	U	0.041	0.200	0.072	05/18/09	05/18/09
Cobalt 60	0.005	U	↓	0.048		0.090	05/18/09	05/18/09
Lead 210	0.4	U	↓	1.2	3.7	2.2	05/18/09	05/18/09
Protactinium 231	0.72	U	↓	0.92	2.00	1.5	05/18/09	05/18/09
Radium (226)	0.60		J	0.15		0.13	05/18/09	05/18/09
Thorium 229	-0.12	U	U	0.56		0.98	05/18/09	05/18/09
Uranium 235	-0.08	U	↓	3.0		0.5	05/18/09	05/18/09
Uranium 238	-0.03	U	↓	1.0		1.9	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.46		=	0.11		0.12	05/18/09	05/18/09
Lead 214	0.57		↓	0.13		0.13	05/18/09	05/18/09
Potassium 40	12.1		↓	1.7		1	05/18/09	05/18/09
Thallium 208	0.188		↓	0.064		0.067	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138229		Yld % 61
Thorium 228	0.34		=	0.13	0.20	0.09	05/18/09	05/21/09
Thorium 230	0.84		↓	0.21	0.20	0.07	05/18/09	05/21/09
Thorium 232	0.56		↓	0.17	0.20	0.06	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138227		Yld % 88
Plutonium 238	0.074		=	0.050	0.020	0.042	05/18/09	05/21/09
Plutonium 239/40	0.020	U	U	0.033	0.020	0.057	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138233		Yld % 94
Uranium 233/234	0.58		=	0.14	0.20	0.07	05/18/09	05/21/09
Uranium 235	0.021	U	U	0.033	0.200	0.054	05/18/09	05/21/09
Uranium 238	0.72		=	0.16	0.20	0.03	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U - Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0352A-FO

Radiochemistry

Lab Sample ID: F9E150141-007
Work Order: LC409
Matrix: SOLID

Date Collected: 05/12/09 0855
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.03	U	U	0.65		1.1	05/18/09	05/18/09
Actinium 228	0.22	U		0.24		0.38	05/18/09	05/18/09
Americium 241	0.058	U		0.093		0.15	05/18/09	05/18/09
Bismuth-207	0.007	U		0.026		0.048	05/18/09	05/18/09
Bismuth-210M	-0.006	U		0.040		0.073	05/18/09	05/18/09
Bismuth 214	0.61		=	0.14		0.09	05/18/09	05/18/09
Cesium 137	-0.008	U	U	0.052	0.200	0.095	05/18/09	05/18/09
Cobalt 60	-0.017	U		0.054		0.10	05/18/09	05/18/09
Lead 210	2.3	U		1.5	3.7	2.3	05/18/09	05/18/09
Protactinium 231	-0.15	U		0.95	2.00	1.7	05/18/09	05/18/09
Radium (226)	0.61		J	0.14		0.09	05/18/09	05/18/09
Thorium 229	0.0005	U	U	0.54		0.96	05/18/09	05/18/09
Uranium 235	0.05	U		0.22		0.39	05/18/09	05/18/09
Uranium 238	0.38	U		0.98		1.7	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.51		=	0.10		0.1	05/18/09	05/18/09
Lead 214	0.61			0.12		0.12	05/18/09	05/18/09
Potassium 40	10.7			1.8		0.7	05/18/09	05/18/09
Thallium 208	0.154			0.073		0.081	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138229		Yld % 48
Thorium 228	0.80		=	0.23	0.20	0.11	05/18/09	05/21/09
Thorium 230	0.92			0.24	0.20	0.08	05/18/09	05/21/09
Thorium 232	0.74			0.22	0.20	0.09	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 85
Plutonium 238	4.33		=	0.52	0.02	0.06	05/18/09	05/21/09
Plutonium 239/40	0.030	U	U	0.033	0.020	0.037	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 82
Uranium 233/234	0.67		=	0.16	0.20	0.07	05/18/09	05/21/09
Uranium 235	0.046	U	U	0.049	0.200	0.063	05/18/09	05/21/09
Uranium 238	0.66		=	0.16	0.20	0.05	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0353A-FO

Radiochemistry

Lab Sample ID: F9E150141-008
Work Order: LC41F
Matrix: SOLID

Date Collected: 05/12/09 0815
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	0.0	U	U	0.48		0.82	05/18/09	05/18/09
Actinium 228	0.64		=	0.17		0.09	05/18/09	05/18/09
Americium 241	-0.008	U	U	0.092		0.16	05/18/09	05/18/09
Bismuth-207	0.008	U		0.030		0.054	05/18/09	05/18/09
Bismuth-210M	-0.00001	U		0.046		0.083	05/18/09	05/18/09
Bismuth 214	0.45		=	0.11		0.11	05/18/09	05/18/09
Cesium 137	-0.0001	U	U	0.040	0.200	0.074	05/18/09	05/18/09
Cobalt 60	0.0	U		0.050		0.095	05/18/09	05/18/09
Lead 210	1.8	U		1.5	3.7	2.2	05/18/09	05/18/09
Protactinium 231	0.00007	U		0.83	2.00	1.5	05/18/09	05/18/09
Radium (226)	0.45		J	0.11		0.11	05/18/09	05/18/09
Thorium 229	0.0006	U	U	0.46		0.82	05/18/09	05/18/09
Uranium 235	-0.05	U		1.9		0.4	05/18/09	05/18/09
Uranium 238	0.68	U		0.92		1.6	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.41		=	0.10		0.11	05/18/09	05/18/09
Lead 214	0.62			0.14		0.12	05/18/09	05/18/09
Potassium 40	9.4			1.4		0.3	05/18/09	05/18/09
Thallium 208	0.093			0.041		0.053	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD			=		pCi/g	Batch # 9138229		Yld % 41
Thorium 228	0.58			0.21	0.20	0.14	05/18/09	05/21/09
Thorium 230	0.70			0.23	0.20	0.11	05/18/09	05/21/09
Thorium 232	0.58			0.20	0.20	0.08	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 100
Plutonium 238	0.080		=	0.051	0.020	0.046	05/18/09	05/21/09
Plutonium 239/40	0.033	U	U	0.033	0.020	0.039	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 86
Uranium 233/234	0.56		=	0.15	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.0	U	U	0.023	0.200	0.066	05/18/09	05/21/09
Uranium 238	0.52		=	0.14	0.20	0.06	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U - Result is less than the sample detection limit.

TDG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0354A-FO

Radiochemistry

Lab Sample ID: F9E150141-009
Work Order: LC41J
Matrix: SOLID

Date Collected: 05/12/09 0810
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.09	U	U	0.21		0.37	05/18/09	05/18/09
Actinium 228	0.07	U		0.14		0.27	05/18/09	05/18/09
Americium 241	-0.01	U		0.78		0.12	05/18/09	05/18/09
Bismuth-207	0.0	U		0.024		0.048	05/18/09	05/18/09
Bismuth-210M	-0.012	U		0.047		0.083	05/18/09	05/18/09
Bismuth 214	0.40		=	0.11		0.08	05/18/09	05/18/09
Cesium 137	-0.02	U	U	83	0.2	0.09	05/18/09	05/18/09
Cobalt 60	-0.02	U		0.73		0.06	05/18/09	05/18/09
Lead 210	-0.1	U		1.2	3.7	1.8	05/18/09	05/18/09
Protactinium 231	-0.27	U		0.83	2.00	1.5	05/18/09	05/18/09
Radium (226)	0.40		J	0.11		0.08	05/18/09	05/18/09
Thorium 229	0.08	U	U	0.33		0.59	05/18/09	05/18/09
Uranium 235	0.09	U		0.17		0.29	05/18/09	05/18/09
Uranium 238	0.20	U		0.73		1.3	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.175		=	0.070		0.080	05/18/09	05/18/09
Lead 214	0.52			0.10		0.06	05/18/09	05/18/09
Potassium 40	3.44			0.98		0.84	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138229		Yld % 38
Thorium 228	0.32		=	0.16	0.20	0.14	05/18/09	05/21/09
Thorium 230	0.90			0.26	0.20	0.08	05/18/09	05/21/09
Thorium 232	0.29			0.15	0.20	0.09	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 62
Plutonium 238	1.09		=	0.24	0.02	0.07	05/18/09	05/21/09
Plutonium 239/40	0.011	U	U	0.033	0.020	0.070	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 85
Uranium 233/234	0.43		=	0.13	0.20	0.05	05/18/09	05/21/09
Uranium 235	0.053	J		0.048	0.200	0.029	05/18/09	05/21/09
Uranium 238	0.39			0.12	0.20	0.02	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0355A-FO

Radiochemistry

Lab Sample ID: F9E150141-010
Work Order: LC41M
Matrix: SOLID

Date Collected: 05/12/09 0850
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.25	U	U	0.35		0.59	05/18/09	05/18/09
Actinium 228	0.83		=	0.19		0.1	05/18/09	05/18/09
Americium 241	-0.002	U	U	0.12		0.21	05/18/09	05/18/09
Bismuth-207	-0.001	U		0.036		0.067	05/18/09	05/18/09
Bismuth-210M	-0.0005	U		0.060		0.11	05/18/09	05/18/09
Bismuth 214	0.64		=	0.17		0.16	05/18/09	05/18/09
Cesium 137	0.0	U	U	0.053	0.200	0.098	05/18/09	05/18/09
Cobalt 60	0.009	U		0.049		0.091	05/18/09	05/18/09
Lead 210	1.7	U		1.3	3.7	2.0	05/18/09	05/18/09
Protactinium 231	0.6	U		1.1	2.0	1.8	05/18/09	05/18/09
Radium (226)	0.64		J	0.17		0.16	05/18/09	05/18/09
Thorium 229	-0.17	U	U	0.57		0.99	05/18/09	05/18/09
Uranium 235	-0.08	U		3.2		0.5	05/18/09	05/18/09
Uranium 238	0.7	U		1.1		1.8	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.63		=	0.14		0.14	05/18/09	05/18/09
Lead 214	0.70			0.13		0.16	05/18/09	05/18/09
Potassium 40	13.4			1.9		1.3	05/18/09	05/18/09
Thallium 208	0.212			0.064		0.064	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138229		Yld % 71
Thorium 228	0.64		=	0.17	0.20	0.05	05/18/09	05/21/09
Thorium 230	0.96			0.21	0.20	0.06	05/18/09	05/21/09
Thorium 232	0.59			0.16	0.20	0.06	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 91
Plutonium 238	0.43		=	0.12	0.02	0.06	05/18/09	05/21/09
Plutonium 239/40	0.002	U	U	0.017	0.020	0.045	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 82
Uranium 233/234	0.72		=	0.17	0.20	0.08	05/18/09	05/21/09
Uranium 235	0.042	U	U	0.045	0.200	0.050	05/18/09	05/21/09
Uranium 238	0.77		=	0.18	0.20	0.06	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

LOT # F9E150141

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0356A-FO

Radiochemistry

Lab Sample ID: F9E150141-011
Work Order: LC41T
Matrix: SOLID

Date Collected: 05/12/09 0805
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138449		Yld %
Actinium 227	-0.03	U	U	0.71		1.2	05/18/09	05/18/09
Actinium 228	**0.68**		=	0.23		0.14	05/18/09	05/18/09
Americium 241	0.008	U	U	0.11		0.19	05/18/09	05/18/09
Bismuth-207	-0.003	U	↓	0.032		0.061	05/18/09	05/18/09
Bismuth-210M	0.003	U	↓	0.042		0.077	05/18/09	05/18/09
Bismuth 214	**0.54**		=	0.18		0.17	05/18/09	05/18/09
Cesium 137	-0.011	U	U	0.063	0.200	0.11	05/18/09	05/18/09
Cobalt 60	-0.015	U	↓	0.074		0.14	05/18/09	05/18/09
Lead 210	0.4	U	↓	1.6	3.7	2.6	05/18/09	05/18/09
Protactinium 231	0.03	U	↓	0.89	2.00	1.6	05/18/09	05/18/09
Radium (226)	**0.54**		J	0.18		0.17	05/18/09	05/18/09
Thorium 229	-0.25	U	U	0.69		1.2	05/18/09	05/18/09
Uranium 235	0.15	U	↓	0.22		0.38	05/18/09	05/18/09
Uranium 238	0.5	U	↓	1.1		2.0	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	**0.59**		=	0.13		0.13	05/18/09	05/18/09
Lead 214	**0.33**		↓	0.13		0.16	05/18/09	05/18/09
Potassium 40	**13.9**		↓	2.3		1.0	05/18/09	05/18/09
Thallium 208	**0.207**		↓	0.077		0.083	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138229		Yld % 44
Thorium 228	**0.65**		=	0.21	0.20	0.11	05/18/09	05/21/09
Thorium 230	**0.93**		↓	0.26	0.20	0.15	05/18/09	05/21/09
Thorium 232	**0.92**		↓	0.25	0.20	0.11	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138227		Yld % 80
Plutonium 238	**0.121**		=	0.067	0.020	0.050	05/18/09	05/21/09
Plutonium 239/40	-0.002	U	U	0.020	0.020	0.058	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138233		Yld % 87
Uranium 233/234	**0.57**		=	0.15	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.046	U	U	0.047	0.200	0.055	05/18/09	05/21/09
Uranium 238	**0.60**		=	0.15	0.20	0.04	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is less than the sample detection limit.

TBG
7-16-09

LOT # F9E150141

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0357A-FO

Radiochemistry

Lab Sample ID: F9E150141-012
Work Order: LC414
Matrix: SOLID

Date Collected: 05/12/09 0820
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138449		Yld %
Actinium 227	-0.29	U	U	0.34		0.56	05/18/09	05/18/09
Actinium 228	0.14	U		0.14		0.21	05/18/09	05/18/09
Americium 241	-0.008	U		0.086		0.15	05/18/09	05/18/09
Bismuth-207	0.0	U		0.037		0.067	05/18/09	05/18/09
Bismuth-210M	0.007	U		0.044		0.078	05/18/09	05/18/09
Bismuth 214	0.54		=	0.11		0.1	05/18/09	05/18/09
Cesium 137	-0.0002	U	U	0.034	0.200	0.063	05/18/09	05/18/09
Cobalt 60	0.0	U		0.0081		0.030	05/18/09	05/18/09
Lead 210	0.3	U		1.2	3.7	2.1	05/18/09	05/18/09
Protactinium 231	-0.48	U		0.82	2.00	1.4	05/18/09	05/18/09
Radium (226)	0.54		J	0.11		0.1	05/18/09	05/18/09
Thorium 229	0.28	U	U	0.42		0.69	05/18/09	05/18/09
Uranium 235	0.06	U		0.16		0.29	05/18/09	05/18/09
Uranium 238	0.19	U		0.84		1.5	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.329		=	0.081		0.086	05/18/09	05/18/09
Lead 214	0.44			0.12		0.12	05/18/09	05/18/09
Potassium 40	8.5			1.3		0.3	05/18/09	05/18/09
Thallium 208	0.118			0.043		0.049	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138229		Yld % 41
Thorium 228	0.22		=	0.13	0.20	0.13	05/18/09	05/21/09
Thorium 230	0.75			0.24	0.20	0.12	05/18/09	05/21/09
Thorium 232	0.45			0.18	0.20	0.11	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138227		Yld % 82
Plutonium 238	0.048		=	0.041	0.020	0.038	05/18/09	05/21/09
Plutonium 239/40	0.010	U	U	0.025	0.020	0.049	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138233		Yld % 91
Uranium 233/234	0.53		=	0.14	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.077	J		0.055	0.200	0.026	05/18/09	05/21/09
Uranium 238	0.44			0.12	0.20	0.06	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TPG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4102-0358A-FO

Radiochemistry

Lab Sample ID: F9E150141-013
Work Order: LC418
Matrix: SOLID

Date Collected: 05/12/09 0800
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.23	U	U	0.36		0.59	05/18/09	05/18/09
Actinium 228	0.39		=	0.17		0.38	05/18/09	05/18/09
Americium 241	0.0009	U	U	0.10		0.19	05/18/09	05/18/09
Bismuth-207	-0.014	U	↓	0.044		0.078	05/18/09	05/18/09
Bismuth-210M	-0.006	U	↓	0.050		0.090	05/18/09	05/18/09
Bismuth 214	0.47		=	0.13		0.1	05/18/09	05/18/09
Cesium 137	-0.009	U	U	0.094	0.200	0.10	05/18/09	05/18/09
Cobalt 60	-0.03	U	↓	0.39		0.12	05/18/09	05/18/09
Lead 210	1.4	U	↓	1.2	3.7	1.9	05/18/09	05/18/09
Protactinium 231	-0.3	U	↓	1.2	2.0	2.1	05/18/09	05/18/09
Radium (226)	0.47		J	0.13		0.1	05/18/09	05/18/09
Thorium 229	0.11	U	U	0.52		0.93	05/18/09	05/18/09
Uranium 235	-0.02	U	↓	0.34		0.34	05/18/09	05/18/09
Uranium 238	0.6	U	↓	1.0		1.8	05/18/09	05/18/09
--- Other Detected Radionuclides ---								
Lead 212	0.42		=	0.11		0.10	05/18/09	05/18/09
Lead 214	0.56		↓	0.13		0.13	05/18/09	05/18/09
Potassium 40	8.0		↓	1.6		0.8	05/18/09	05/18/09
Thallium 208	0.072		↓	0.047		0.070	05/18/09	05/18/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138229		Yld % 58
Thorium 228	0.53		=	0.17	0.20	0.09	05/18/09	05/22/09
Thorium 230	0.72		↓	0.20	0.20	0.11	05/18/09	05/22/09
Thorium 232	0.43		↓	0.15	0.20	0.07	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 79
Plutonium 238	0.254		=	0.098	0.020	0.051	05/18/09	05/21/09
Plutonium 239/40	0.028	U	U	0.036	0.020	0.051	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 91
Uranium 233/234	0.44		=	0.13	0.20	0.07	05/18/09	05/21/09
Uranium 235	0.058	J	↓	0.050	0.200	0.055	05/18/09	05/21/09
Uranium 238	0.59		↓	0.14	0.20	0.04	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0589A-FO

Radiochemistry

Lab Sample ID: F9E150141-014
Work Order: LC42C
Matrix: SOLID

Date Collected: 05/12/09 1030
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.40	U	U	0.49		0.80	05/18/09	05/19/09
Actinium 228	0.55		=	0.19		0.33	05/18/09	05/19/09
Americium 241	-0.006	U	U	0.14		0.24	05/18/09	05/19/09
Bismuth-207	-0.004	U	↓	0.044		0.081	05/18/09	05/19/09
Bismuth-210M	0.034	U	↓	0.059		0.10	05/18/09	05/19/09
Bismuth 214	0.69		=	0.22		0.20	05/18/09	05/19/09
Cesium 137	0.048	U	U	0.057	0.200	0.093	05/18/09	05/19/09
Cobalt 60	-0.020	U	↓	0.070		0.13	05/18/09	05/19/09
Lead 210	2.4	U	↓	2.0	3.7	2.6	05/18/09	05/19/09
Protactinium 231	-0.0005	U	↓	1.1	2.0	2.1	05/18/09	05/19/09
Radium (226)	0.69		J	0.22		0.20	05/18/09	05/19/09
Thorium 229	0.002	U	U	0.57		1.0	05/18/09	05/19/09
Uranium 235	-0.009	U	↓	0.32		0.48	05/18/09	05/19/09
Uranium 238	1.32	U	↓	0.74		2.2	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	0.74		=	0.15		0.14	05/18/09	05/19/09
Lead 214	0.82		↓	0.19		0.18	05/18/09	05/19/09
Potassium 40	14.5		↓	2.1		1.6	05/18/09	05/19/09
Thallium 208	0.161		↓	0.064		0.075	05/18/09	05/19/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138229		Yld % 32
Thorium 228	0.81		=	0.29	0.20	0.19	05/18/09	05/22/09
Thorium 230	0.92		↓	0.30	0.20	0.15	05/18/09	05/22/09
Thorium 232	0.96		↓	0.31	0.20	0.12	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 91
Plutonium 238	0.97		=	0.19	0.02	0.06	05/18/09	05/21/09
Plutonium 239/40	0.002	U	U	0.017	0.020	0.047	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 81
Uranium 233/234	0.74		=	0.17	0.20	0.07	05/18/09	05/21/09
Uranium 235	0.034	U	U	0.043	0.200	0.062	05/18/09	05/21/09
Uranium 238	0.80		=	0.18	0.20	0.06	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

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Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

LOT # F9E150141

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0590A-FO

Radiochemistry

Lab Sample ID: F9E150141-015
Work Order: LC42E
Matrix: SOLID

Date Collected: 05/12/09 1035
Date Received: 05/15/09 0930

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD			pCi/g		Batch # 9138449		Yld %
Actinium 227	-0.01	U	0.72		1.2	05/18/09	05/19/09
Actinium 228	**0.44**		0.18		0.35	05/18/09	05/19/09
Americium 241	-0.03	U	0.10		0.18	05/18/09	05/19/09
Bismuth-207	-0.0003	U	0.040		0.074	05/18/09	05/19/09
Bismuth-210M	0.023	U	0.046		0.078	05/18/09	05/19/09
Bismuth 214	**0.50**		0.15		0.14	05/18/09	05/19/09
Cesium 137	-0.005	U	0.067	0.200	0.12	05/18/09	05/19/09
Cobalt 60	0.0	U	0.013		0.049	05/18/09	05/19/09
Lead 210	-0.2	U	1.6	3.7	2.5	05/18/09	05/19/09
Protactinium 231	-0.6	U	1.1	2.0	1.9	05/18/09	05/19/09
Radium (226)	**0.50**		0.15		0.14	05/18/09	05/19/09
Thorium 229	-0.006	U	0.58		1.0	05/18/09	05/19/09
Uranium 235	0.01	U	0.20		0.35	05/18/09	05/19/09
Uranium 238	1.10	U	0.60		1.5	05/18/09	05/19/09
--- Other Detected Radionuclides ---							
Lead 212	**0.67**		0.12		0.11	05/18/09	05/19/09
Lead 214	**0.70**		0.19		0.15	05/18/09	05/19/09
Potassium 40	**14.5**		2.2		0.7	05/18/09	05/19/09
Thallium 208	**0.288**		0.080		0.071	05/18/09	05/19/09
Iso THORIUM (LONG CT) DOE A-01-R MOD			pCi/g		Batch # 9138229		Yld % 49
Thorium 228	**1.0**		0.25	0.20	0.12	05/18/09	05/22/09
Thorium 230	**0.93**		0.24	0.20	0.09	05/18/09	05/22/09
Thorium 232	**0.71**		0.20	0.20	0.07	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD			pCi/g		Batch # 9138227		Yld % 83
Plutonium 238	**0.077**		0.055	0.020	0.055	05/18/09	05/21/09
Plutonium 239/40	-0.009	U	0.021	0.020	0.068	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD			pCi/g		Batch # 9138233		Yld % 93
Uranium 233/234	**0.73**		0.16	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.023	U	0.033	0.200	0.049	05/18/09	05/21/09
Uranium 238	**0.82**		0.17	0.20	0.05	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0591A-FO

Radiochemistry

Lab Sample ID: F9E150141-016
Work Order: LC42H
Matrix: SOLID

Date Collected: 05/12/09 1020
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.02	U	U	0.76		1.3	05/18/09	05/20/09
Actinium 228	1.10		=	0.24		0.24	05/18/09	05/20/09
Americium 241	-0.001	U	U	0.11		0.19	05/18/09	05/20/09
Bismuth-207	-0.001	U	↓	0.033		0.060	05/18/09	05/20/09
Bismuth-210M	0.001	U	↓	0.070		0.12	05/18/09	05/20/09
Bismuth 214	0.80		=	0.19		0.17	05/18/09	05/20/09
Cesium 137	0.018	U	U	0.049	0.200	0.084	05/18/09	05/20/09
Cobalt 60	-0.006	U	↓	0.059		0.11	05/18/09	05/20/09
Lead 210	1.3	U	↓	1.6	3.7	2.4	05/18/09	05/20/09
Protactinium 231	-0.8	U	↓	1.4	2.0	2.3	05/18/09	05/20/09
Radium (226)	0.80		J	0.19		0.17	05/18/09	05/20/09
Thorium 229	0.14	U	U	0.55		0.94	05/18/09	05/20/09
Uranium 235	0.04	U	↓	0.25		0.44	05/18/09	05/20/09
Uranium 238	0.8	U	↓	1.2		1.9	05/18/09	05/20/09
--- Other Detected Radionuclides ---								
Lead 212	1.08		=	0.15		0.13	05/18/09	05/20/09
Lead 214	0.83		↓	0.15		0.16	05/18/09	05/20/09
Potassium 40	8.7		↓	2.9		4.6	05/18/09	05/20/09
Thallium 208	0.364		↓	0.088		0.088	05/18/09	05/20/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 77
Plutonium 238	0.242		=	0.098	0.020	0.076	05/18/09	05/21/09
Plutonium 239/40	0.008	U	U	0.025	0.020	0.053	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 88
Uranium 233/234	0.86		=	0.18	0.20	0.07	05/18/09	05/21/09
Uranium 235	0.044	U	U	0.044	0.200	0.051	05/18/09	05/21/09
Uranium 238	0.76		=	0.17	0.20	0.07	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9142331		Yld % 76
Thorium 228	1.05		=	0.22	0.20	0.07	05/22/09	05/25/09
Thorium 230	0.76		↓	0.18	0.20	0.06	05/22/09	05/25/09
Thorium 232	0.99		↓	0.21	0.20	0.04	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0592A-FO

Radiochemistry

Lab Sample ID: F9E150141-017
Work Order: LC42K
Matrix: SOLID

Date Collected: 05/12/09 0950
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.37	U	U	0.39		0.63	05/18/09	05/20/09
Actinium 228	**1.40**		=	0.28		0.23	05/18/09	05/20/09
Americium 241	0.05	U	U	0.10		0.17	05/18/09	05/20/09
Bismuth-207	-0.001	U		0.041		0.074	05/18/09	05/20/09
Bismuth-210M	0.021	U		0.059		0.10	05/18/09	05/20/09
Bismuth 214	**0.81**		=	0.19		0.17	05/18/09	05/20/09
Cesium 137	-0.016	U	U	0.059	0.200	0.10	05/18/09	05/20/09
Cobalt 60	0.007	U		0.054		0.10	05/18/09	05/20/09
Lead 210	0.7	U		1.7	3.7	2.7	05/18/09	05/20/09
Protactinium 231	-0.5	U		1.1	2.0	1.9	05/18/09	05/20/09
Radium (226)	**0.81**		J	0.19		0.17	05/18/09	05/20/09
Thorium 229	0.16	U	U	0.60		1.0	05/18/09	05/20/09
Uranium 235	0.11	U		0.23		0.39	05/18/09	05/20/09
Uranium 238	0.2	U		1.1		1.9	05/18/09	05/20/09
--- Other Detected Radionuclides ---								
Lead 212	**0.91**		=	0.14		0.13	05/18/09	05/20/09
Lead 214	**0.75**			0.15		0.15	05/18/09	05/20/09
Potassium 40	**28.3**			2.9		0.7	05/18/09	05/20/09
Thallium 208	**0.442**			0.098		0.088	05/18/09	05/20/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138229		Yld % 33
Thorium 228	**0.84**		=	0.29	0.20	0.18	05/18/09	05/22/09
Thorium 230	**0.83**			0.28	0.20	0.13	05/18/09	05/22/09
Thorium 232	**1.08**			0.32	0.20	0.10	05/18/09	05/22/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 95
Uranium 233/234	**0.71**		=	0.16	0.20	0.05	05/18/09	05/21/09
Uranium 235	0.035	U	U	0.038	0.200	0.043	05/18/09	05/21/09
Uranium 238	**0.81**		=	0.17	0.20	0.03	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9142330		Yld % 90
Plutonium 238	**0.228**		=	0.094	0.020	0.077	05/22/09	05/25/09
Plutonium 239/40	0.01	U	U	0.024	0.020	0.047	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0593A-FO

Radiochemistry

Lab Sample ID: F9E150141-018
Work Order: LC42M
Matrix: SOLID

Date Collected: 05/12/09 1040
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138449		Yld %
Actinium 227	-0.58	U	u	0.56		0.91	05/18/09	05/19/09
Actinium 228	**1.17**		=	0.32		0.36	05/18/09	05/19/09
Americium 241	0.07	U	u	0.15		0.25	05/18/09	05/19/09
Bismuth-207	0.0	U	↓	0.062		0.11	05/18/09	05/19/09
Bismuth-210M	0.002	U	↓	0.070		0.12	05/18/09	05/19/09
Bismuth 214	**0.89**		=	0.20		0.11	05/18/09	05/19/09
Cesium 137	-0.002	U	u	0.063	0.200	0.12	05/18/09	05/19/09
Cobalt 60	0.056	U	↓	0.090		0.15	05/18/09	05/19/09
Lead 210	0.7	U	↓	1.6	3.7	2.9	05/18/09	05/19/09
Protactinium 231	0.2	U	↓	1.1	2.0	1.9	05/18/09	05/19/09
Radium (226)	**0.89**		J	0.20		0.11	05/18/09	05/19/09
Thorium 229	0.10	U	u	0.66		1.2	05/18/09	05/19/09
Uranium 235	0.02	U	↓	0.19		0.34	05/18/09	05/19/09
Uranium 238	0.7	U	↓	1.4		2.4	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	**1.33**		=	0.21		0.17	05/18/09	05/19/09
Lead 214	**0.85**		↓	0.18		0.16	05/18/09	05/19/09
Potassium 40	**32.4**		↓	3.7		1	05/18/09	05/19/09
Thallium 208	**0.58**		↓	0.12		0.06	05/18/09	05/19/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138227		Yld % 84
Plutonium 238	**0.0104**	J	=	0.0094	0.0200	0.0057	05/18/09	05/23/09
Plutonium 239/40	0.0021	U	u	0.0042	0.0200	0.0057	05/18/09	05/23/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138233		Yld % 84
Uranium 233/234	**0.94**		=	0.19	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.038	U	u	0.041	0.200	0.046	05/18/09	05/21/09
Uranium 238	**0.94**		=	0.19	0.20	0.05	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9142331		Yld % 83
Thorium 228	**0.99**		=	0.21	0.20	0.07	05/22/09	05/25/09
Thorium 230	**0.75**		↓	0.18	0.20	0.06	05/22/09	05/25/09
Thorium 232	**1.14**		↓	0.22	0.20	0.06	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0594A-FO

Radiochemistry

Lab Sample ID: F9E150141-019
Work Order: LC420
Matrix: SOLID

Date Collected: 05/12/09 1020
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138449		Yld %
Actinium 227	-0.78	U	U	0.51		0.83	05/18/09	05/20/09
Actinium 228	1.09		=	0.22		0.21	05/18/09	05/20/09
Americium 241	0.076	U	U	0.099		0.16	05/18/09	05/20/09
Bismuth-207	0.006	U	↓	0.036		0.063	05/18/09	05/20/09
Bismuth-210M	-0.004	U	↓	0.064		0.11	05/18/09	05/20/09
Bismuth 214	0.60		=	0.15		0.16	05/18/09	05/20/09
Cesium 137	0.027	U	U	0.039	0.200	0.065	05/18/09	05/20/09
Cobalt 60	-0.011	U	↓	0.051		0.091	05/18/09	05/20/09
Lead 210	1.5	U	↓	1.9	3.7	2.6	05/18/09	05/20/09
Protactinium 231	-0.8	U	↓	1.2	2.0	2.0	05/18/09	05/20/09
Radium (226)	0.60		J	0.15		0.16	05/18/09	05/20/09
Thorium 229	0.37	U	U	0.52		0.87	05/18/09	05/20/09
Uranium 235	0.004	U	↓	0.17		0.30	05/18/09	05/20/09
Uranium 238	0.8	U	↓	1.1		1.9	05/18/09	05/20/09
--- Other Detected Radionuclides ---								
Lead 212	0.96		=	0.14		0.13	05/18/09	05/20/09
Lead 214	0.64		↓	0.14		0.15	05/18/09	05/20/09
Potassium 40	27.2		↓	2.5		0.2	05/18/09	05/20/09
Thallium 208	0.357		↓	0.075		0.070	05/18/09	05/20/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138227		Yld % 89
Plutonium 238	0.277		=	0.097	0.020	0.041	05/18/09	05/21/09
Plutonium 239/40	0.018	U	U	0.028	0.020	0.046	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138233		Yld % 96
Uranium 233/234	0.70		=	0.15	0.20	0.04	05/18/09	05/21/09
Uranium 235	0.022	U	U	0.031	0.200	0.047	05/18/09	05/21/09
Uranium 238	0.62		=	0.14	0.20	0.04	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9142331		Yld % 75
Thorium 228	1.31		=	0.25	0.20	0.09	05/22/09	05/25/09
Thorium 230	0.68		↓	0.17	0.20	0.05	05/22/09	05/25/09
Thorium 232	0.94		↓	0.20	0.20	0.06	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U - Result is less than the sample detection limit.

TBS
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0595A-FO

Radiochemistry

Lab Sample ID: F9E150141-020
Work Order: LC42T
Matrix: SOLID

Date Collected: 05/12/09 0955
Date Received: 05/15/09 0930

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g	Batch # 9138449		Yld %
Actinium 227	0.16	U	0.20		0.34	05/18/09	05/20/09
Actinium 228	1.46		0.32		0.31	05/18/09	05/20/09
Americium 241	0.09	U	0.15		0.24	05/18/09	05/20/09
Bismuth-207	0.001	U	0.034		0.063	05/18/09	05/20/09
Bismuth-210M	-0.015	U	0.070		0.12	05/18/09	05/20/09
Bismuth 214	0.66		0.19		0.19	05/18/09	05/20/09
Cesium 137	0.039	U	0.058	0.200	0.096	05/18/09	05/20/09
Cobalt 60	0.0009	U	0.052		0.10	05/18/09	05/20/09
Lead 210	0.7	U	1.6	3.7	2.8	05/18/09	05/20/09
Protactinium 231	0.85	U	0.50	2.00	2.2	05/18/09	05/20/09
Radium (226)	0.66		0.19		0.19	05/18/09	05/20/09
Thorium 229	-0.28	U	0.68		1.2	05/18/09	05/20/09
Uranium 235	-0.04	U	7.5		0.5	05/18/09	05/20/09
Uranium 238	1.5	U	1.3		1.8	05/18/09	05/20/09
--- Other Detected Radionuclides ---							
Bismuth 212	1.22		0.46		0.39	05/18/09	05/20/09
Lead 212	1.32		0.17		0.12	05/18/09	05/20/09
Lead 214	0.98		0.18		0.19	05/18/09	05/20/09
Potassium 40	26.9		2.9		0.8	05/18/09	05/20/09
Thallium 208	0.410		0.093		0.081	05/18/09	05/20/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g	Batch # 9138227		Yld % 86
Plutonium 238	21.6		2.0	0.02	0.07	05/18/09	05/21/09
Plutonium 239/40	0.064		0.049	0.020	0.051	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g	Batch # 9138233		Yld % 98
Uranium 233/234	0.96		0.19	0.20	0.05	05/18/09	05/21/09
Uranium 235	0.018	U	0.026	0.200	0.025	05/18/09	05/21/09
Uranium 238	0.80		0.17	0.20	0.03	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g	Batch # 9142331		Yld % 63
Thorium 228	1.26		0.26	0.20	0.1	05/22/09	05/25/09
Thorium 230	1.07		0.24	0.20	0.06	05/22/09	05/25/09
Thorium 232	1.28		0.26	0.20	0.06	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0596A-FO

Radiochemistry

Lab Sample ID: F9E150141-021
Work Order: LC42V
Matrix: SOLID

Date Collected: 05/12/09 1000
Date Received: 05/15/09 0930

Parameter	Result	Qual	V/Q	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138450		Yld %
Actinium 227	-0.08	U	U	0.82		1.4	05/18/09	05/20/09
Actinium 228	1.08		=	0.27		0.33	05/18/09	05/20/09
Americium 241	-0.008	U	U	0.21		0.20	05/18/09	05/20/09
Bismuth-207	0.014	U	↓	0.044		0.077	05/18/09	05/20/09
Bismuth-210M	-0.005	U	↓	0.060		0.11	05/18/09	05/20/09
Bismuth 214	0.71		=	0.21		0.19	05/18/09	05/20/09
Cesium 137	-0.03	U	U	0.27	0.20	0.11	05/18/09	05/20/09
Cobalt 60	-0.02	U	↓	0.15		0.12	05/18/09	05/20/09
Lead 210	1.3	U	↓	1.4	3.7	2.2	05/18/09	05/20/09
Protactinium 231	-0.2	U	↓	1.2	2.0	2.0	05/18/09	05/20/09
Radium (226)	0.71		J	0.21		0.19	05/18/09	05/20/09
Thorium 229	0.30	U	U	0.70		1.2	05/18/09	05/20/09
Uranium 235	-0.01	U	↓	0.34		0.45	05/18/09	05/20/09
Uranium 238	1.3	U	↓	1.4		1.9	05/18/09	05/20/09
--- Other Detected Radionuclides ---								
Lead 212	1.03		=	0.16		0.13	05/18/09	05/20/09
Lead 214	0.79		↓	0.15		0.12	05/18/09	05/20/09
Potassium 40	28.2		↓	3.0		0.8	05/18/09	05/20/09
Thallium 208	0.366		↓	0.093		0.091	05/18/09	05/20/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138471		Yld % 35
Thorium 228	1.07		=	0.32	0.20	0.19	05/18/09	05/22/09
Thorium 230	0.99		↓	0.30	0.20	0.11	05/18/09	05/22/09
Thorium 232	0.96		↓	0.30	0.20	0.11	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138470		Yld % 93
Plutonium 238	0.194		=	0.084	0.020	0.070	05/18/09	05/21/09
Plutonium 239/40	0.015	U	U	0.027	0.020	0.048	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138472		Yld % 88
Uranium 233/234	0.80		=	0.17	0.20	0.05	05/18/09	05/21/09
Uranium 235	0.068	J	↓	0.052	0.200	0.026	05/18/09	05/21/09
Uranium 238	0.93		↓	0.19	0.20	0.05	05/18/09	05/21/09

NOTE(S)

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Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0596A-FO DUP

Radiochemistry

Lab Sample ID: F9E150141-021X
Work Order: LC42V
Matrix: SOLID

Date Collected: 05/12/09 1000
Date Received: 05/15/09 0930

Parameter	Result	Qual VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g	Batch # 9138450		Yld %
Actinium 227	0.10	U u	0.19		0.32	05/18/09	05/20/09
Actinium 228	1.50	=	0.27		0.24	05/18/09	05/20/09
Americium 241	0.06	U u	0.13		0.21	05/18/09	05/20/09
Bismuth-207	-0.012	U	0.044		0.076	05/18/09	05/20/09
Bismuth-210M	0.025	U	0.060		0.10	05/18/09	05/20/09
Bismuth 214	0.91	=	0.19		0.17	05/18/09	05/20/09
Cesium 137	0.005	U u	0.052	0.200	0.092	05/18/09	05/20/09
Cobalt 60	0.003	U	0.033		0.063	05/18/09	05/20/09
Lead 210	0.6	U	1.3	3.7	2.1	05/18/09	05/20/09
Protactinium 231	-0.4	U	1.2	2.0	2.1	05/18/09	05/20/09
Radium (226)	0.91	J	0.19		0.17	05/18/09	05/20/09
Thorium 229	0.73	U 706 ≠u	0.41		1.2	05/18/09	05/20/09
Uranium 235	-0.002	U	0.27		0.46	05/18/09	05/20/09
Uranium 238	1.7	U	1.6		2.2	05/18/09	05/20/09
--- Other Detected Radionuclides ---							
Lead 212	1.08	=	0.14		0.12	05/18/09	05/20/09
Lead 214	0.76		0.16		0.18	05/18/09	05/20/09
Potassium 40	29.0		2.7		1.2	05/18/09	05/20/09
Thallium 208	0.354		0.086		0.084	05/18/09	05/20/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g	Batch # 9138470		Yld % 97
Plutonium 238	0.252	=	0.094	0.020	0.070	05/18/09	05/21/09
Plutonium 239/40	0.0	U u	0.016	0.020	0.047	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g	Batch # 9138471		Yld % 25
Thorium 228	1.15	=	0.39	0.20	0.26	05/18/09	05/22/09
Thorium 230	1.16		0.39	0.20	0.24	05/18/09	05/22/09
Thorium 232	0.84		0.32	0.20	0.17	05/18/09	05/22/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g	Batch # 9138472		Yld % 88
Uranium 233/234	0.68	=	0.16	0.20	0.04	05/18/09	05/21/09
Uranium 235	0.045	U u	0.045	0.200	0.053	05/18/09	05/21/09
Uranium 238	0.78	=	0.17	0.20	0.04	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0597A-FO

Radiochemistry

Lab Sample ID: F9E150141-022
Work Order: LC420
Matrix: SOLID

Date Collected: 05/12/09 1045
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138450		Yld %
Actinium 227	-0.15	U	U	0.29		0.50	05/18/09	05/19/09
Actinium 228	0.15	U		0.18		0.28	05/18/09	05/19/09
Americium 241	0.053	U		0.087		0.15	05/18/09	05/19/09
Bismuth-207	0.011	U		0.023		0.041	05/18/09	05/19/09
Bismuth-210M	-0.0007	U		0.042		0.077	05/18/09	05/19/09
Bismuth 214	0.65		=	0.15		0.09	05/18/09	05/19/09
Cesium 137	0.009	U	U	0.041	0.200	0.075	05/18/09	05/19/09
Cobalt 60	0.0	U		0.012		0.043	05/18/09	05/19/09
Lead 210	1.4	U		1.1	3.7	1.7	05/18/09	05/19/09
Protactinium 231	-0.3	U		1.1	2.0	1.9	05/18/09	05/19/09
Radium (226)	0.65		J	0.15		0.09	05/18/09	05/19/09
Thorium 229	-0.12	U	U	0.58		1.0	05/18/09	05/19/09
Uranium 235	0.11	U		0.20		0.35	05/18/09	05/19/09
Uranium 238	0.14	U		0.90		1.7	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	0.33		=	0.11		0.13	05/18/09	05/19/09
Lead 214	0.65			0.13		0.14	05/18/09	05/19/09
Potassium 40	10.1			1.7		0.7	05/18/09	05/19/09
Thallium 208	0.211			0.076		0.070	05/18/09	05/19/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138471		Yld % 62
Thorium 228	0.66		=	0.19	0.20	0.07	05/18/09	05/22/09
Thorium 230	0.83			0.21	0.20	0.06	05/18/09	05/22/09
Thorium 232	0.52			0.16	0.20	0.07	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138470		Yld % 101
Plutonium 238	4.39		=	0.51	0.02	0.07	05/18/09	05/21/09
Plutonium 239/40	0.025	U	U	0.029	0.020	0.038	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138472		Yld % 89
Uranium 233/234	0.65		=	0.15	0.20	0.03	05/18/09	05/21/09
Uranium 235	0.048	J		0.043	0.200	0.026	05/18/09	05/21/09
Uranium 238	0.66			0.15	0.20	0.04	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0598A-FO

Radiochemistry

Lab Sample ID: F9E150141-023
Work Order: LC421
Matrix: SOLID

Date Collected: 05/12/09 1015
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138450		Yld %
Actinium 227	-0.39	U	U	0.52		0.85	05/18/09	05/19/09
Actinium 228	1.16		=	0.24		0.28	05/18/09	05/19/09
Americium 241	0.05	U	U	0.12		0.21	05/18/09	05/19/09
Bismuth-207	0.017	U	↓	0.042		0.073	05/18/09	05/19/09
Bismuth-210M	0.016	U	↓	0.071		0.12	05/18/09	05/19/09
Bismuth 214	0.74		=	0.21		0.20	05/18/09	05/19/09
Cesium 137	0.0	U	U	0.046	0.200	0.087	05/18/09	05/19/09
Cobalt 60	-0.008	U	↓	0.067		0.12	05/18/09	05/19/09
Lead 210	0.7	U	↓	1.7	3.7	3.1	05/18/09	05/19/09
Protactinium 231	-0.07	U	↓	0.88	2.00	1.6	05/18/09	05/19/09
Radium (226)	0.74		J	0.21		0.20	05/18/09	05/19/09
Thorium 229	-0.08	U	U	0.92		1.6	05/18/09	05/19/09
Uranium 235	0.10	U	↓	0.31		0.54	05/18/09	05/19/09
Uranium 238	0.8	U	↓	1.4		2.5	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	0.76		=	0.16		0.16	05/18/09	05/19/09
Lead 214	0.55		↓	0.17		0.19	05/18/09	05/19/09
Potassium 40	20.4		↓	2.6		1.3	05/18/09	05/19/09
Thallium 208	0.283		↓	0.094		0.094	05/18/09	05/19/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138470		Yld % 88
Plutonium 238	0.022		=	0.012	0.020	0.008	05/18/09	05/21/09
Plutonium 239/40	0.0	U	U	0.0058	0.0200	0.015	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138472		Yld % 98
Uranium 233/234	0.60		=	0.14	0.20	0.05	05/18/09	05/21/09
Uranium 235	0.007	U	U	0.018	0.200	0.040	05/18/09	05/21/09
Uranium 238	0.78		=	0.16	0.20	0.04	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9142331		Yld % 48
Thorium 228	0.90		=	0.25	0.20	0.13	05/22/09	05/25/09
Thorium 230	0.77		↓	0.22	0.20	0.08	05/22/09	05/25/09
Thorium 232	0.97		↓	0.26	0.20	0.11	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

LOT # F9E150141

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0599A-FO

Radiochemistry

Lab Sample ID: F9E150141-024
Work Order: LC423
Matrix: SOLID

Date Collected: 05/12/09 1005
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138450		Yld %
Actinium 227	0.05	U	U	1.0		1.7	05/18/09	05/19/09
Actinium 228	0.90		=	0.28		0.48	05/18/09	05/19/09
Americium 241	0.05	U	U	0.15		0.26	05/18/09	05/19/09
Bismuth-207	-0.002	U	↓	0.056		0.11	05/18/09	05/19/09
Bismuth-210M	-0.013	U	↓	0.082		0.15	05/18/09	05/19/09
Bismuth 214	0.81		=	0.23		0.18	05/18/09	05/19/09
Cesium 137	-0.02	U	U	0.24	0.20	0.15	05/18/09	05/19/09
Cobalt 60	-0.002	U	↓	0.085		0.16	05/18/09	05/19/09
Lead 210	0.7	U	↓	1.8	3.7	3.2	05/18/09	05/19/09
Protactinium 231	-0.01	U	↓	1.4	2.0	2.6	05/18/09	05/19/09
Radium (226)	0.81		J	0.23		0.18	05/18/09	05/19/09
Thorium 229	-0.12	U	U	0.58		1.0	05/18/09	05/19/09
Uranium 235	-0.04	U	↓	0.83		0.55	05/18/09	05/19/09
Uranium 238	0.3	U	↓	1.2		2.3	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	0.89		=	0.18		0.16	05/18/09	05/19/09
Lead 214	0.67		↓	0.16		0.19	05/18/09	05/19/09
Potassium 40	20.0		↓	3.2		1.5	05/18/09	05/19/09
Thallium 208	0.30		↓	0.11		0.12	05/18/09	05/19/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138471		Yld % 39
Thorium 228	1.12		=	0.30	0.20	0.14	05/18/09	05/22/09
Thorium 230	0.83		↓	0.26	0.20	0.15	05/18/09	05/22/09
Thorium 232	1.0		↓	0.28	0.20	0.10	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138470		Yld % 76
Plutonium 238	0.65		=	0.17	0.02	0.06	05/18/09	05/21/09
Plutonium 239/40	0.009	U	U	0.019	0.020	0.026	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138472		Yld % 93
Uranium 233/234	0.73		=	0.16	0.20	0.08	05/18/09	05/21/09
Uranium 235	0.025	U	U	0.032	0.200	0.042	05/18/09	05/21/09
Uranium 238	0.63		=	0.15	0.20	0.06	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U - Result is less than the sample detection limit.

TBG
7-16-09

LOT # F9E150141

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0600A-FO

Radiochemistry

Lab Sample ID: F9E150141-025
Work Order: LC424
Matrix: SOLID

Date Collected: 05/12/09 0845
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138450		Yld %
Actinium 227	-0.006	U	U	0.27		0.48	05/18/09	05/19/09
Actinium 228	0.53		=	0.22		0.42	05/18/09	05/19/09
Americium 241	0.02	U	U	0.14		0.24	05/18/09	05/19/09
Bismuth-207	0.013	U		0.052		0.093	05/18/09	05/19/09
Bismuth-210M	0.026	U		0.066		0.11	05/18/09	05/19/09
Bismuth 214	0.99		=	0.21		0.12	05/18/09	05/19/09
Cesium 137	-0.005	U	U	0.075	0.200	0.13	05/18/09	05/19/09
Cobalt 60	-0.002	U		0.050		0.10	05/18/09	05/19/09
Lead 210	2.1	U		1.9	3.7	2.5	05/18/09	05/19/09
Protactinium 231	0.0	U		1.4	2.0	2.5	05/18/09	05/19/09
Radium (226)	0.99		J	0.21		0.12	05/18/09	05/19/09
Thorium 229	-0.03	U	U	0.50		0.91	05/18/09	05/19/09
Uranium 235	-0.04	U		4.2		0.5	05/18/09	05/19/09
Uranium 238	0.1	U		1.4		2.4	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	0.84		=	0.14		0.11	05/18/09	05/19/09
Lead 214	0.79			0.16		0.10	05/18/09	05/19/09
Potassium 40	19.6			2.8		1.6	05/18/09	05/19/09
Thallium 208	0.246			0.084		0.095	05/18/09	05/19/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138471		Yld % 41
Thorium 228	0.82		=	0.26	0.20	0.16	05/18/09	05/22/09
Thorium 230	0.85			0.26	0.20	0.15	05/18/09	05/22/09
Thorium 232	0.87			0.26	0.20	0.11	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138470		Yld % 93
Plutonium 238	0.97		=	0.19	0.02	0.07	05/18/09	05/21/09
Plutonium 239/40	0.009	U	U	0.028	0.020	0.058	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138472		Yld % 75
Uranium 233/234	0.64		=	0.16	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.028	U	U	0.040	0.200	0.060	05/18/09	05/21/09
Uranium 238	0.83		=	0.19	0.20	0.07	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U - Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4103-0601A-FO

Radiochemistry

Lab Sample ID: F9E150141-026
Work Order: LC426
Matrix: SOLID

Date Collected: 05/12/09 1010
Date Received: 05/15/09 0930

Parameter	Result	Qual VQ		Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138450		Yld %
Actinium 227	-0.17	U	U	0.33		0.57	05/18/09	05/19/09
Actinium 228	0.98		=	0.19		0.13	05/18/09	05/19/09
Americium 241	-0.06	U	U	0.14		0.24	05/18/09	05/19/09
Bismuth-207	-0.000002	U	↓	0.031		0.061	05/18/09	05/19/09
Bismuth-210M	0.005	U	↓	0.057		0.10	05/18/09	05/19/09
Bismuth 214	0.72		=	0.16		0.06	05/18/09	05/19/09
Cesium 137	0.034	U	U	0.046	0.200	0.077	05/18/09	05/19/09
Cobalt 60	0.0	U	↓	0.014		0.052	05/18/09	05/19/09
Lead 210	0.8	U	↓	1.4	3.7	2.3	05/18/09	05/19/09
Protactinium 231	-0.2	U	↓	1.3	2.0	2.2	05/18/09	05/19/09
Radium (226)	0.72		J	0.16		0.06	05/18/09	05/19/09
Thorium 229	0.07	U	U	0.61		1.1	05/18/09	05/19/09
Uranium 235	-0.02	U	↓	0.44		0.48	05/18/09	05/19/09
Uranium 238	1.0	U	↓	1.3		2.2	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	0.64		=	0.14		0.13	05/18/09	05/19/09
Lead 214	0.69		↓	0.15		0.15	05/18/09	05/19/09
Potassium 40	12.5		↓	2.0		0.9	05/18/09	05/19/09
Thallium 208	0.204		↓	0.078		0.077	05/18/09	05/19/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138471		Yld % 41
Thorium 228	0.81		=	0.24	0.20	0.1	05/18/09	05/22/09
Thorium 230	0.70		↓	0.23	0.20	0.11	05/18/09	05/22/09
Thorium 232	0.83		↓	0.25	0.20	0.11	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138470		Yld % 95
Plutonium 238	1.25		=	0.22	0.02	0.04	05/18/09	05/21/09
Plutonium 239/40	0.0	U	U	0.016	0.020	0.045	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138472		Yld % 81
Uranium 233/234	0.68		=	0.16	0.20	0.07	05/18/09	05/21/09
Uranium 235	0.049	J	↓	0.044	0.200	0.027	05/18/09	05/21/09
Uranium 238	0.70		↓	0.16	0.20	0.05	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0731A-HO

Radiochemistry

Lab Sample ID: F9E150141-027
Work Order: LC428
Matrix: SOLID

Date Collected: 05/13/09 0925
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138450		Yld %
Actinium 227	-0.22	U	U	0.30		0.49	05/18/09	05/19/09
Actinium 228	0.31		=	0.12		0.19	05/18/09	05/19/09
Americium 241	0.023	U	U	0.089		0.15	05/18/09	05/19/09
Bismuth-207	0.004	U	↓	0.028		0.052	05/18/09	05/19/09
Bismuth-210M	0.0007	U	↓	0.043		0.077	05/18/09	05/19/09
Bismuth 214	0.51		=	0.13		0.11	05/18/09	05/19/09
Cesium 137	0.008	U	U	0.032	0.200	0.057	05/18/09	05/19/09
Cobalt 60	-0.005	U	↓	0.035		0.067	05/18/09	05/19/09
Lead 210	0.56	U	↓	0.87	3.70	1.6	05/18/09	05/19/09
Protactinium 231	-0.14	U	↓	0.74	2.00	1.3	05/18/09	05/19/09
Radium (226)	0.51		J	0.13		0.11	05/18/09	05/19/09
Thorium 229	0.0	U	U	0.45		0.80	05/18/09	05/19/09
Uranium 235	0.1	U	↓	0.20		0.34	05/18/09	05/19/09
Uranium 238	0.58	U	↓	0.90		1.4	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	0.407		=	0.097		0.095	05/18/09	05/19/09
Lead 214	0.46		↓	0.12		0.13	05/18/09	05/19/09
Potassium 40	6.6		↓	1.2		1	05/18/09	05/19/09
Thallium 208	0.119		↓	0.048		0.054	05/18/09	05/19/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138471		Yld % 57
Thorium 228	0.34		=	0.13	0.20	0.08	05/18/09	05/22/09
Thorium 230	0.72		↓	0.20	0.20	0.1	05/18/09	05/22/09
Thorium 232	0.41		↓	0.15	0.20	0.09	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138470		Yld % 91
Plutonium 238	0.063		=	0.019	0.020	0.007	05/18/09	05/21/09
Plutonium 239/40	0.0019	U	U	0.0038	0.0200	0.0052	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138472		Yld % 85
Uranium 233/234	0.52		=	0.14	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.077	J	↓	0.059	0.200	0.055	05/18/09	05/21/09
Uranium 238	0.47		↓	0.13	0.20	0.02	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0742A-HO

Radiochemistry

Lab Sample ID: F9E150141-028
Work Order: LC429
Matrix: SOLID

Date Collected: 05/13/09 1035
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138450		Yld %
Actinium 227	-0.36	U	U	0.37		0.61	05/18/09	05/20/09
Actinium 228	1.50		=	0.26		0.17	05/18/09	05/20/09
Americium 241	0.02	U	U	0.11		0.18	05/18/09	05/20/09
Bismuth-207	0.005	U	↓	0.043		0.075	05/18/09	05/20/09
Bismuth-210M	0.026	U	↓	0.046		0.077	05/18/09	05/20/09
Bismuth 214	1.12		=	0.20		0.13	05/18/09	05/20/09
Cesium 137	-0.020	U	U	0.048	0.200	0.083	05/18/09	05/20/09
Cobalt 60	-0.017	U	↓	0.069		0.12	05/18/09	05/20/09
Lead 210	1.2	U	↓	1.4	3.7	2.0	05/18/09	05/20/09
Protactinium 231	-0.03	U	↓	1.1	2.0	1.8	05/18/09	05/20/09
Radium (226)	1.12		J	0.20		0.13	05/18/09	05/20/09
Thorium 229	0.03	U	U	0.55		0.95	05/18/09	05/20/09
Uranium 235	0.11	U	↓	0.23		0.40	05/18/09	05/20/09
Uranium 238	1.8	U	↓	1.4		1.8	05/18/09	05/20/09
--- Other Detected Radionuclides ---								
Bismuth 212	1.47		=	0.61		0.53	05/18/09	05/20/09
Lead 212	1.23		↓	0.16		0.12	05/18/09	05/20/09
Lead 214	1.05		↓	0.16		0.11	05/18/09	05/20/09
Potassium 40	34.2		↓	3.1		0.7	05/18/09	05/20/09
Thallium 208	0.503		↓	0.096		0.073	05/18/09	05/20/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138471		Yld % 32
Thorium 228	1.30		=	0.36	0.20	0.15	05/18/09	05/22/09
Thorium 230	0.96		↓	0.31	0.20	0.13	05/18/09	05/22/09
Thorium 232	1.07		↓	0.32	0.20	0.12	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138470		Yld % 88
Plutonium 238	0.039		=	0.015	0.020	0.007	05/18/09	05/21/09
Plutonium 239/40	0.0	U	U	0.0076	0.0200	0.018	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138472		Yld % 95
Uranium 233/234	0.83		=	0.18	0.20	0.04	05/18/09	05/21/09
Uranium 235	0.075	J	↓	0.055	0.200	0.044	05/18/09	05/21/09
Uranium 238	1.02		↓	0.20	0.20	0.05	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0752A-HO

Radiochemistry

Lab Sample ID: F9E150141-029
Work Order: LC43C
Matrix: SOLID

Date Collected: 05/13/09 1030
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g		Batch # 9138450	Yld %
Actinium 227	-0.21	U	U	0.38		0.63	05/18/09	05/19/09
Actinium 228	0.45		=	0.21		0.41	05/18/09	05/19/09
Americium 241	0.006	U	U	0.13		0.22	05/18/09	05/19/09
Bismuth-207	0.003	U	↓	0.044		0.084	05/18/09	05/19/09
Bismuth-210M	0.038	U	↓	0.058		0.096	05/18/09	05/19/09
Bismuth 214	0.86		=	0.23		0.19	05/18/09	05/19/09
Cesium 137	0.001	U	U	0.066	0.200	0.12	05/18/09	05/19/09
Cobalt 60	0.0	U	↓	0.093		0.18	05/18/09	05/19/09
Lead 210	0.2	U	↓	1.5	3.7	2.8	05/18/09	05/19/09
Protactinium 231	0.6	U	↓	1.2	2.0	2.0	05/18/09	05/19/09
Radium (226)	0.86		J	0.23		0.19	05/18/09	05/19/09
Thorium 229	0.24	U	U	0.58		1.0	05/18/09	05/19/09
Uranium 235	-0.07	U	↓	0.68		0.49	05/18/09	05/19/09
Uranium 238	2.0		=	1.3		1.8	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	0.45		=	0.12		0.12	05/18/09	05/19/09
Lead 214	0.88		↓	0.18		0.14	05/18/09	05/19/09
Potassium 40	11.2		↓	2.1		1.0	05/18/09	05/19/09
Thallium 208	0.174		↓	0.066		0.069	05/18/09	05/19/09
Thorium 234	2.0		↓	1.3		1.8	05/18/09	05/19/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g		Batch # 9138471	Yld % 68
Thorium 228	0.56		=	0.16	0.20	0.08	05/18/09	05/22/09
Thorium 230	1.08		↓	0.23	0.20	0.08	05/18/09	05/22/09
Thorium 232	0.60		↓	0.16	0.20	0.05	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g		Batch # 9138470	Yld % 94
Plutonium 238	0.0053	U	U	0.0055	0.0200	0.0071	05/18/09	05/23/09
Plutonium 239/40	0.0	U	↓	0.0055	0.0200	0.014	05/18/09	05/23/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g		Batch # 9138472	Yld % 92
Uranium 233/234	0.59		=	0.14	0.20	0.05	05/18/09	05/21/09
Uranium 235	0.052	J	↓	0.047	0.200	0.050	05/18/09	05/21/09
Uranium 238	0.66		↓	0.15	0.20	0.05	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TPG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0757A-HO

Radiochemistry

Lab Sample ID: F9E150141-030
Work Order: LC43D
Matrix: SOLID

Date Collected: 05/13/09 1025
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138450		Yld %
Actinium 227	-0.20	U	U	0.46		0.77	05/18/09	05/19/09
Actinium 228	0.49		=	0.21		0.40	05/18/09	05/19/09
Americium 241	0.017	U	U	0.093		0.17	05/18/09	05/19/09
Bismuth-207	0.003	U	↓	0.046		0.086	05/18/09	05/19/09
Bismuth-210M	-0.020	U	↓	0.067		0.12	05/18/09	05/19/09
Bismuth 214	0.80		=	0.20		0.14	05/18/09	05/19/09
Cesium 137	-0.01	U	U	0.13	0.20	0.13	05/18/09	05/19/09
Cobalt 60	-0.05	U	↓	0.30		0.18	05/18/09	05/19/09
Lead 210	1.6	U	↓	1.4	3.7	2.1	05/18/09	05/19/09
Protactinium 231	-0.1	U	↓	1.0	2.0	1.9	05/18/09	05/19/09
Radium (226)	0.80		J	0.20		0.14	05/18/09	05/19/09
Thorium 229	-0.22	U	U	0.77		1.3	05/18/09	05/19/09
Uranium 235	-0.11	U	↓	0.94		0.46	05/18/09	05/19/09
Uranium 238	0.7	U	↓	1.0		1.8	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	0.51		=	0.14		0.14	05/18/09	05/19/09
Lead 214	0.69		↓	0.15		0.15	05/18/09	05/19/09
Potassium 40	9.7		↓	1.9		0.9	05/18/09	05/19/09
Thallium 208	0.190		↓	0.076		0.086	05/18/09	05/19/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138471		Yld % 72
Thorium 228	0.38		=	0.13	0.20	0.07	05/18/09	05/22/09
Thorium 230	0.81		↓	0.19	0.20	0.04	05/18/09	05/22/09
Thorium 232	0.54		↓	0.15	0.20	0.04	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138470		Yld % 89
Plutonium 238	0.271		=	0.097	0.020	0.051	05/18/09	05/21/09
Plutonium 239/40	-0.0040	U	U	0.0056	0.0200	0.042	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138472		Yld % 92
Uranium 233/234	0.57		=	0.14	0.20	0.07	05/18/09	05/21/09
Uranium 235	0.002	U	U	0.020	0.200	0.055	05/18/09	05/21/09
Uranium 238	0.78		=	0.17	0.20	0.03	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U - Result is less than the sample detection limit.

TBG
7-16-09

LOT # F9E150141

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0763A-HO

Radiochemistry

Lab Sample ID: F9E150141-031
Work Order: LC43E
Matrix: SOLID

Date Collected: 05/13/09 0945
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138450		Yld %
Actinium 227	0.14	U	U	0.98		1.6	05/18/09	05/20/09
Actinium 228	1.66		=	0.30		0.1	05/18/09	05/20/09
Americium 241	0.004	U	U	0.12		0.21	05/18/09	05/20/09
Bismuth-207	0.0	U	↓	0.047		0.084	05/18/09	05/20/09
Bismuth-210M	-0.027	U	↓	0.071		0.12	05/18/09	05/20/09
Bismuth 214	1.02		=	0.20		0.14	05/18/09	05/20/09
Cesium 137	0.001	U	U	0.056	0.200	0.10	05/18/09	05/20/09
Cobalt 60	0.0006	U	↓	0.063		0.12	05/18/09	05/20/09
Lead 210	1.1	U	↓	1.6	3.7	2.6	05/18/09	05/20/09
Protactinium 231	-0.9	U	↓	1.5	2.0	2.5	05/18/09	05/20/09
Radium (226)	1.02		J	0.20		0.14	05/18/09	05/20/09
Thorium 229	0.1	U	U	0.74		1.3	05/18/09	05/20/09
Uranium 235	0.15	U	↓	0.29		0.50	05/18/09	05/20/09
Uranium 238	2.1		=	1.6		2.1	05/18/09	05/20/09
--- Other Detected Radionuclides ---								
Bismuth 212	1.17		=	0.50		0.49	05/18/09	05/20/09
Lead 212	1.24		↓	0.18		0.16	05/18/09	05/20/09
Lead 214	0.89		↓	0.17		0.16	05/18/09	05/20/09
Potassium 40	35.6		↓	3.4		0.8	05/18/09	05/20/09
Thallium 208	0.47		↓	0.11		0.09	05/18/09	05/20/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138471		Yld % 33
Thorium 228	1.26		=	0.36	0.20	0.16	05/18/09	05/22/09
Thorium 230	0.90		↓	0.30	0.20	0.14	05/18/09	05/22/09
Thorium 232	1.34		↓	0.36	0.20	0.12	05/18/09	05/22/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138472		Yld % 97
Uranium 233/234	1.22		=	0.22	0.20	0.05	05/18/09	05/21/09
Uranium 235	0.020	U	U	0.032	0.200	0.053	05/18/09	05/21/09
Uranium 238	1.0		=	0.19	0.20	0.04	05/18/09	05/21/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9142330		Yld % 95
Plutonium 238	-0.0019	U	U	0.0085	0.0200	0.020	05/22/09	05/26/09
Plutonium 239/40	-0.0019	U	↓	0.0038	0.0200	0.014	05/22/09	05/26/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0772A-HO

Radiochemistry

Lab Sample ID: F9E150141-032
Work Order: LC43H
Matrix: SOLID

Date Collected: 05/13/09 1020
Date Received: 05/15/09 0930

Parameter	Result	Qual	V/Q	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138450		Yld %
Actinium 227	0.07	U	U	0.92		1.6	05/18/09	05/19/09
Actinium 228	0.93		=	0.25		0.34	05/18/09	05/19/09
Americium 241	-0.04	U	U	0.14		0.23	05/18/09	05/19/09
Bismuth-207	-0.0002	U	↓	0.052		0.097	05/18/09	05/19/09
Bismuth-210M	-0.008	U	↓	0.083		0.15	05/18/09	05/19/09
Bismuth 214	0.81		=	0.18		0.07	05/18/09	05/19/09
Cesium 137	-0.019	U	U	0.072	0.200	0.13	05/18/09	05/19/09
Cobalt 60	0.003	U	↓	0.076		0.15	05/18/09	05/19/09
Lead 210	0.8	U	↓	1.5	3.7	2.5	05/18/09	05/19/09
Protactinium 231	-0.6	U	↓	1.5	2.0	2.5	05/18/09	05/19/09
Radium (226)	0.81		J	0.18		0.07	05/18/09	05/19/09
Thorium 229	-0.16	U	U	0.77		1.3	05/18/09	05/19/09
Uranium 235	0.1	U	↓	0.30		0.52	05/18/09	05/19/09
Uranium 238	1.9	U	↓	1.5		2.2	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	0.72		=	0.17		0.17	05/18/09	05/19/09
Lead 214	0.91		↓	0.17		0.19	05/18/09	05/19/09
Potassium 40	22.0		↓	3.0		1	05/18/09	05/19/09
Thallium 208	0.308		↓	0.091		0.077	05/18/09	05/19/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138471		Yld % 32
Thorium 228	0.75		=	0.27	0.20	0.17	05/18/09	05/22/09
Thorium 230	0.67		↓	0.25	0.20	0.13	05/18/09	05/22/09
Thorium 232	0.77		↓	0.27	0.20	0.14	05/18/09	05/22/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138470		Yld % 90
Plutonium 238	0.060		=	0.019	0.020	0.007	05/18/09	05/21/09
Plutonium 239/40	0.0	U	U	0.0038	0.0200	0.0052	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138472		Yld % 83
Uranium 233/234	0.75		=	0.17	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.032	U	U	0.044	0.200	0.068	05/18/09	05/21/09
Uranium 238	0.84		=	0.18	0.20	0.06	05/18/09	05/21/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

LOT # F9E150141

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0793A-HO

Radiochemistry

Lab Sample ID: F9E150141-033
Work Order: LC43J
Matrix: SOLID

Date Collected: 05/13/09 1010
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138450		Yld %
Actinium 227	-0.21	U	U	0.41		0.69	05/18/09	05/19/09
Actinium 228	1.08		=	0.36		0.42	05/18/09	05/19/09
Americium 241	0.0009	U	U	0.14		0.24	05/18/09	05/19/09
Bismuth-207	0.013	U	↓	0.044		0.079	05/18/09	05/19/09
Bismuth-210M	0.057	U	↓	0.074		0.12	05/18/09	05/19/09
Bismuth 214	0.89		=	0.21		0.19	05/18/09	05/19/09
Cesium 137	0.0	U	U	0.12	0.20	0.21	05/18/09	05/19/09
Cobalt 60	0.0	U	↓	0.13		0.23	05/18/09	05/19/09
Lead 210	0.3	U	↓	1.6	3.7	2.9	05/18/09	05/19/09
Protactinium 231	-0.5	U	↓	1.6	2.0	2.7	05/18/09	05/19/09
Radium (226)	0.89		J	0.21		0.19	05/18/09	05/19/09
Thorium 229	0.14	U	U	0.85		1.5	05/18/09	05/19/09
Uranium 235	0.01	U	↓	0.34		0.60	05/18/09	05/19/09
Uranium 238	0.07	U	↓	1.6		2.9	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Lead 212	1.06		=	0.19		0.17	05/18/09	05/19/09
Lead 214	0.87		↓	0.21		0.20	05/18/09	05/19/09
Potassium 40	17.1		↓	3.2		2.9	05/18/09	05/19/09
Thallium 208	0.37		↓	0.10		0.10	05/18/09	05/19/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138470		Yld % 91
Plutonium 238	0.029		=	0.013	0.020	0.007	05/18/09	05/21/09
Plutonium 239/40	0.0	U	U	0.0039	0.0200	0.0052	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138472		Yld % 100
Uranium 233/234	0.89		=	0.18	0.20	0.04	05/18/09	05/21/09
Uranium 235	0.027	J	↓	0.032	0.200	0.025	05/18/09	05/21/09
Uranium 238	0.78		↓	0.16	0.20	0.02	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9142331		Yld % 66
Thorium 228	0.65		=	0.18	0.20	0.1	05/22/09	05/25/09
Thorium 230	0.83		↓	0.21	0.20	0.11	05/22/09	05/25/09
Thorium 232	0.62		↓	0.17	0.20	0.06	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0797A-HO

Radiochemistry

Lab Sample ID: F9E150141-034
Work Order: LC43M
Matrix: SOLID

Date Collected: 05/13/09 0950
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138450		Yld %
Actinium 227	0.03	U	U	0.84		1.4	05/18/09	05/20/09
Actinium 228	0.86		=	0.28		0.35	05/18/09	05/20/09
Americium 241	-0.03	U	U	2.2		0.2	05/18/09	05/20/09
Bismuth-207	0.018	U	↓	0.043		0.075	05/18/09	05/20/09
Bismuth-210M	0.019	U	↓	0.058		0.099	05/18/09	05/20/09
Bismuth 214	0.94		=	0.21		0.17	05/18/09	05/20/09
Cesium 137	-0.02	U	U	0.12	0.20	0.11	05/18/09	05/20/09
Cobalt 60	-0.008	U	↓	0.10		0.13	05/18/09	05/20/09
Lead 210	0.6	U	↓	1.4	3.7	2.4	05/18/09	05/20/09
Protactinium 231	-0.5	U	↓	1.5	2.0	2.5	05/18/09	05/20/09
Radium (226)	0.94		J	0.21		0.17	05/18/09	05/20/09
Thorium 229	-0.03	U	U	0.73		1.3	05/18/09	05/20/09
Uranium 235	-0.05	U	↓	0.97		0.44	05/18/09	05/20/09
Uranium 238	0.6	U	↓	1.2		2.1	05/18/09	05/20/09
--- Other Detected Radionuclides ---								
Bismuth 212	0.77		=	0.45		0.65	05/18/09	05/20/09
Lead 212	1.23		↓	0.16		0.12	05/18/09	05/20/09
Lead 214	0.86		↓	0.17		0.16	05/18/09	05/20/09
Potassium 40	30.5		↓	3.1		0.7	05/18/09	05/20/09
Thallium 208	0.46		↓	0.10		0.09	05/18/09	05/20/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138470		Yld % 87
Plutonium 238	0.0	U	U	0.0039	0.0200	0.0072	05/18/09	05/21/09
Plutonium 239/40	-0.0020	U	↓	0.0068	0.0200	0.018	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138472		Yld % 91
Uranium 233/234	0.71		=	0.17	0.20	0.07	05/18/09	05/21/09
Uranium 235	0.057	J	↓	0.049	0.200	0.045	05/18/09	05/21/09
Uranium 238	0.85		↓	0.18	0.20	0.05	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9142331		Yld % 62
Thorium 228	0.91		=	0.22	0.20	0.1	05/22/09	05/25/09
Thorium 230	1.08		↓	0.24	0.20	0.05	05/22/09	05/25/09
Thorium 232	1.14		↓	0.25	0.20	0.05	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0803A-HO

Radiochemistry

Lab Sample ID: F9E150141-035
Work Order: LC43N
Matrix: SOLID

Date Collected: 05/13/09 0955
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138450		Yld %
Actinium 227	-0.16	U	U	0.28		0.47	05/18/09	05/20/09
Actinium 228	1.53		=	0.25		0.23	05/18/09	05/20/09
Americium 241	0.0	U	U	0.11		0.19	05/18/09	05/20/09
Bismuth-207	-0.011	U	↓	0.040		0.070	05/18/09	05/20/09
Bismuth-210M	-0.011	U	↓	0.053		0.091	05/18/09	05/20/09
Bismuth 214	1.05		=	0.19		0.15	05/18/09	05/20/09
Cesium 137	0.023	U	U	0.046	0.200	0.079	05/18/09	05/20/09
Cobalt 60	0.019	U	↓	0.054		0.096	05/18/09	05/20/09
Lead 210	0.6	U	↓	1.5	3.7	2.4	05/18/09	05/20/09
Protactinium 231	-0.4	U	↓	1.2	2.0	2.0	05/18/09	05/20/09
Radium (226)	1.05		J	0.19		0.15	05/18/09	05/20/09
Thorium 229	0.38	U	U	0.52		0.86	05/18/09	05/20/09
Uranium 235	0.16	U	↓	0.23		0.39	05/18/09	05/20/09
Uranium 238	1.4	U	↓	1.0		1.5	05/18/09	05/20/09
--- Other Detected Radionuclides ---								
Bismuth 212	1.59		=	0.55		0.44	05/18/09	05/20/09
Lead 212	1.23		↓	0.14		0.11	05/18/09	05/20/09
Lead 214	1.12		↓	0.15		0.14	05/18/09	05/20/09
Potassium 40	18.5		↓	2.1		0.6	05/18/09	05/20/09
Thallium 208	0.434		↓	0.089		0.076	05/18/09	05/20/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138470		Yld % 64
Plutonium 238	0.069		=	0.026	0.020	0.028	05/18/09	05/21/09
Plutonium 239/40	0.0028	U	U	0.0097	0.0200	0.021	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138472		Yld % 86
Uranium 233/234	0.83		=	0.18	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.036	U	U	0.042	0.200	0.055	05/18/09	05/21/09
Uranium 238	1.02		=	0.20	0.20	0.04	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9142331		Yld % 59
Thorium 228	1.42		=	0.30	0.20	0.13	05/22/09	05/25/09
Thorium 230	0.98		↓	0.24	0.20	0.11	05/22/09	05/25/09
Thorium 232	1.02		↓	0.24	0.20	0.07	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U Result is less than the sample detection limit.

TBG
7-16-09

LOT # F9E150141

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0819A-HO

Radiochemistry

Lab Sample ID: F9E150141-036
Work Order: LC43P
Matrix: SOLID

Date Collected: 05/13/09 1000
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD					pCi/g	Batch # 9138450		Yld %
Actinium 227	-0.07	U	U	0.74		1.2	05/18/09	05/20/09
Actinium 228	1.50		=	0.24		0.24	05/18/09	05/20/09
Americium 241	0.01	U	U	0.10		0.18	05/18/09	05/20/09
Bismuth-207	0.016	U		0.033		0.057	05/18/09	05/20/09
Bismuth-210M	-0.002	U		0.048		0.084	05/18/09	05/20/09
Bismuth 214	1.10			0.17		0.10	05/18/09	05/20/09
Cesium 137	0.022	U		0.037	0.200	0.062	05/18/09	05/20/09
Cobalt 60	0.023	U		0.058		0.10	05/18/09	05/20/09
Lead 210	0.4	U		1.3	3.7	2.3	05/18/09	05/20/09
Protactinium 231	-0.5	U		1.2	2.0	2.0	05/18/09	05/20/09
Radium (226)	1.10		J	0.17		0.10	05/18/09	05/20/09
Thorium 229	0.0	U	U	0.61		1.0	05/18/09	05/20/09
Uranium 235	0.25		=	0.18		0.25	05/18/09	05/20/09
Uranium 238	1.2	U	U	1.0		1.4	05/18/09	05/20/09
--- Other Detected Radionuclides ---								
Bismuth 212	1.23			0.59		0.52	05/18/09	05/20/09
Lead 212	1.11			0.15		0.12	05/18/09	05/20/09
Lead 214	1.12			0.17		0.11	05/18/09	05/20/09
Potassium 40	27.8			2.7		0.8	05/18/09	05/20/09
Thallium 208	0.442			0.079		0.050	05/18/09	05/20/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138470		Yld % 89
Plutonium 238	0.0106	J	=	0.0078	0.0200	0.0072	05/18/09	05/21/09
Plutonium 239/40	0.0	U	U ~~J~~ TBG	0.0039	0.0200	0.0053	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9138472		Yld % 89
Uranium 233/234	0.78		=	0.17	0.20	0.06	05/18/09	05/21/09
Uranium 235	0.078	J		0.056	0.200	0.026	05/18/09	05/21/09
Uranium 238	0.87			0.18	0.20	0.06	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD					pCi/g	Batch # 9142331		Yld % 52
Thorium 228	1.21		=	0.28	0.20	0.09	05/22/09	05/25/09
Thorium 230	0.88			0.23	0.20	0.07	05/22/09	05/25/09
Thorium 232	1.15			0.27	0.20	0.08	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TBG
7-16-09

TestAmerica St. Louis

Shaw E & I Inc

Client Sample ID: 4108-0820A-HO

Radiochemistry

Lab Sample ID: F9E150141-037
Work Order: LC43Q
Matrix: SOLID

Date Collected: 05/13/09 1005
Date Received: 05/15/09 0930

Parameter	Result	Qual	VQ	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g		Batch # 9138450		Yld %
Actinium 227	0.03	U	U	0.73		1.2	05/18/09	05/19/09
Actinium 228	0.61		=	0.22		0.29	05/18/09	05/19/09
Americium 241	-0.04	U	U	0.12		0.20	05/18/09	05/19/09
Bismuth-207	-0.009	U		0.043		0.076	05/18/09	05/19/09
Bismuth-210M	0.015	U		0.051		0.089	05/18/09	05/19/09
Bismuth 214	0.82		=	0.17		0.09	05/18/09	05/19/09
Cesium 137	0.0	U	U	0.068	0.200	0.12	05/18/09	05/19/09
Cobalt 60	0.0	U		0.065		0.12	05/18/09	05/19/09
Lead 210	0.6	U		1.3	3.7	2.3	05/18/09	05/19/09
Protactinium 231	-0.3	U		1.2	2.0	2.0	05/18/09	05/19/09
Radium (226)	0.82		J	0.17		0.09	05/18/09	05/19/09
Thorium 229	-0.30	U	U	0.58		0.97	05/18/09	05/19/09
Uranium 235	0.16	U		0.23		0.39	05/18/09	05/19/09
Uranium 238	1.4	U		1.2		1.6	05/18/09	05/19/09
--- Other Detected Radionuclides ---								
Bismuth 212	0.74		=	0.42		0.42	05/18/09	05/19/09
Lead 212	0.67			0.12		0.11	05/18/09	05/19/09
Lead 214	0.84			0.14		0.11	05/18/09	05/19/09
Potassium 40	16.2			2.2		0.8	05/18/09	05/19/09
Thallium 208	0.263			0.071		0.043	05/18/09	05/19/09
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138470		Yld % 91
Plutonium 238	0.026		=	0.012	0.020	0.007	05/18/09	05/21/09
Plutonium 239/40	-0.0019	U	U	0.0038	0.0200	0.014	05/18/09	05/21/09
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9138472		Yld % 96
Uranium 233/234	0.73		=	0.16	0.20	0.07	05/18/09	05/21/09
Uranium 235	0.020	U	U	0.032	0.200	0.052	05/18/09	05/21/09
Uranium 238	0.59		=	0.14	0.20	0.04	05/18/09	05/21/09
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g		Batch # 9142331		Yld % 61
Thorium 228	0.85		=	0.22	0.20	0.10	05/22/09	05/25/09
Thorium 230	0.96			0.23	0.20	0.08	05/22/09	05/25/09
Thorium 232	0.78			0.20	0.20	0.07	05/22/09	05/25/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

U - Result is less than the sample detection limit.

TBG
7-16-09

LOT # F9E150141

TestAmerica St. Louis

METHOD BLANK REPORT

Radiochemistry

Client Lot ID: F9E150141
Matrix: SOLID

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	RL	MDC	Prep Date	Analysis Date	Lab Sample ID
Iso THORIUM (LONG CT) DOE A-01-R MOD			pCi/g	Batch # 9138229	Yld % 98			F9E180000-229B
Thorium 228	0.0009	U	0.0078	0.100	0.021	05/18/09	05/21/09	
Thorium 230	0.021	J	0.018	0.100	0.016	05/18/09	05/21/09	
Thorium 232	0.0018	U	0.0076	0.100	0.019	05/18/09	05/21/09	
Iso URANIUM (LONG CT) DOE A-01-R MOD			pCi/g	Batch # 9138233	Yld % 90			F9E180000-233B
Uranium 233/234	0.005	U	0.012	0.100	0.023	05/18/09	05/21/09	
Uranium 235	0.0	U	0.0049	0.100	0.013	05/18/09	05/21/09	
Uranium 238	-0.001	U	0.0020	0.100	0.018	05/18/09	05/21/09	
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD			pCi/g	Batch # 9138227	Yld % 91			F9E180000-227B
Plutonium 238	0.0019	U	0.0048	0.0100	0.0090	05/18/09	05/21/09	
Plutonium 239/40	0.001	U	0.0044	0.0100	0.0090	05/18/09	05/21/09	
Gamma Cs-137 & Hits by DOE GA-01-R MOD			pCi/g	Batch # 9138449	Yld %			F9E180000-449B
Actinium 227	0.0	U	0.25		0.45	05/18/09	05/19/09	
Actinium 228	-0.09	U	0.74		0.33	05/18/09	05/19/09	
Americium 241	0.004	U	0.053		0.10	05/18/09	05/19/09	
Bismuth-207	0.0003	U	0.026		0.053	05/18/09	05/19/09	
Bismuth-210M	-0.019	U	0.045		0.078	05/18/09	05/19/09	
Bismuth 214	0.058	U	0.077		0.14	05/18/09	05/19/09	
Cesium 137	-0.03	U	1.0	0.2	0.08	05/18/09	05/19/09	
Cobalt 60	-0.02	U	0.87		0.07	05/18/09	05/19/09	
Lead 210	-0.2	U	1.4	3.7	1.8	05/18/09	05/19/09	
Protactinium 231	-0.12	U	0.70	2.00	1.3	05/18/09	05/19/09	
Radium (226)	0.058	U	0.077		0.14	05/18/09	05/19/09	
Thorium 229	-0.08	U	0.41		0.74	05/18/09	05/19/09	
Uranium 235	0.06	U	0.12		0.22	05/18/09	05/19/09	
Uranium 238	-0.3	U	1.2		1.1	05/18/09	05/19/09	
Gamma Cs-137 & Hits by DOE GA-01-R MOD			pCi/g	Batch # 9138450	Yld %			F9E180000-450B
Actinium 227	-0.06	U	0.18		0.32	05/18/09	05/19/09	
Actinium 228	0.005	U	0.11		0.21	05/18/09	05/19/09	
Americium 241	-0.001	U	0.044		0.083	05/18/09	05/19/09	
Bismuth-207	0.0	U	0.020		0.042	05/18/09	05/19/09	
Bismuth-210M	0.00003	U	0.031		0.060	05/18/09	05/19/09	
Bismuth 214	0.043	U	0.073		0.12	05/18/09	05/19/09	
Cesium 137	-0.007	U	0.032	0.200	0.060	05/18/09	05/19/09	
Cobalt 60	-0.008	U	0.046		0.089	05/18/09	05/19/09	
Lead 210	0.05	U	0.61	3.70	1.1	05/18/09	05/19/09	
Protactinium 231	0.13	U	0.50	2.00	0.93	05/18/09	05/19/09	
Radium (226)	0.043	U	0.073		0.12	05/18/09	05/19/09	
Thorium 229	-0.1	U	0.41		0.73	05/18/09	05/19/09	
Uranium 235	-0.08	U	3.8		0.3	05/18/09	05/19/09	
Uranium 238	0.34	U	0.68		1.1	05/18/09	05/19/09	

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7-16-09

TestAmerica St. Louis

METHOD BLANK REPORT

Radiochemistry

Client Lot ID: F9E150141
Matrix: SOLID

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	RL	MDC	Prep Date	Analysis Date	Lab Sample ID
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD			pCi/g	Batch # 9138470		Yld % 95		F9E180000-470B
Plutonium 238	0.0019	U	0.0046	0.0100	0.0087	05/18/09	05/21/09	
Plutonium 239/40	0.0019	U	0.0026	0.0100	0.0025	05/18/09	05/21/09	
Iso THORIUM (LONG CT) DOE A-01-R MOD			pCi/g	Batch # 9138471		Yld % 92		F9E180000-471B
Thorium 228	0.0038	U	0.0076	0.100	0.010	05/18/09	05/22/09	
Thorium 230	**0.023**	**J**	**0.019**	0.100	**0.010**	**05/18/09**	**05/22/09**	
Thorium 232	0.0029	U	0.0078	0.100	0.017	05/18/09	05/22/09	
Iso URANIUM (LONG CT) DOE A-01-R MOD			pCi/g	Batch # 9138472		Yld % 93		F9E180000-472B
Uranium 233/234	0.004	U	0.011	0.100	0.024	05/18/09	05/21/09	
Uranium 235	0.0	U	0.0047	0.100	0.013	05/18/09	05/21/09	
Uranium 238	0.0028	U	0.0077	0.100	0.017	05/18/09	05/21/09	
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD			pCi/g	Batch # 9142330		Yld % 94		F9E220000-330B
Plutonium 238	-0.0019	U	0.0067	0.0100	0.018	05/22/09	05/25/09	
Plutonium 239/40	0.0039	U	0.0055	0.0100	0.0052	05/22/09	05/25/09	
Iso THORIUM (LONG CT) DOE A-01-R MOD			pCi/g	Batch # 9142331		Yld % 94		F9E220000-331B
Thorium 228	-0.0002	U	0.017	0.100	0.049	05/22/09	05/25/09	
Thorium 230	**0.031**	**J**	**0.031**	0.100	0.021	05/22/09	**05/25/09**	
Thorium 232	0.006	U	0.016	0.100	0.034	05/22/09	05/25/09	

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7-16-09

NOTE(S)

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Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

TestAmerica St. Louis

Laboratory Control Sample Report

Radiochemistry

Client Lot ID: F9E150141
Matrix: SOLID

Parameter	Spike Amount	Result	Total Uncert. (2 σ+/-)	MDC	% Yld	% Rec	Lab Sample ID / QC Control Limits
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD		pCi/g		A-01-R MOD			F9E180000-227C
Plutonium 238	1.54	1.57	0.21	0.02	90	102	(66 - 125)
Plutonium 239/40	3.30	3.32	0.36	0.02	90	100	(75 - 130)
	Batch #:	9138227		Analysis Date:	05/21/09		
Iso THORIUM (LONG CT) DOE A-01-R MOD		pCi/g		A-01-R MOD			F9E180000-229C
Thorium 230	58.5	57.0	6.7	0.5	55	97	(83 - 126)
	Batch #:	9138229		Analysis Date:	05/21/09		
Iso URANIUM (LONG CT) DOE A-01-R MOD		pCi/g		A-01-R MOD			F9E180000-233C
Uranium 233/234	19.4	17.0	2.6	0.3	76	88	(69 - 125)
Uranium 238	19.4	16.4	2.6	0.2	76	85	(68 - 121)
	Batch #:	9138233		Analysis Date:	05/21/09		
Gamma Cs-137 & Hits by DOE GA-01-R MOD		pCi/g		GA-01-R MOD			F9E180000-449C
Americium 241	98.8	99.1	8.5	2.9		100	(89 - 112)
Cesium 137	37.1	38.8	2.4	0.3		104	(91 - 118)
Cobalt 60	61.4	61.4	3.6	0.3		100	(90 - 110)
	Batch #:	9138449		Analysis Date:	05/19/09		
Gamma Cs-137 & Hits by DOE GA-01-R MOD		pCi/g		GA-01-R MOD			F9E180000-450C
Americium 241	98.8	99.3	8.4	2.7		100	(89 - 112)
Cesium 137	37.1	39.0	2.4	0.3		105	(91 - 118)
Cobalt 60	61.4	61.1	3.5	0.2		99	(90 - 110)
	Batch #:	9138450		Analysis Date:	05/19/09		
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD		pCi/g		A-01-R MOD			F9E180000-470C
Plutonium 238	1.54	1.46	0.20	0.02	89	95	(66 - 125)
Plutonium 239/40	3.30	3.16	0.35	0.02	89	96	(75 - 130)
	Batch #:	9138470		Analysis Date:	05/21/09		
Iso THORIUM (LONG CT) DOE A-01-R MOD		pCi/g		A-01-R MOD			F9E180000-471C
Thorium 230	58.5	56.4	6.0	0.3	91	97	(83 - 126)
	Batch #:	9138471		Analysis Date:	05/22/09		
Iso URANIUM (LONG CT) DOE A-01-R MOD		pCi/g		A-01-R MOD			F9E180000-472C
Uranium 233/234	19.6	17.2	2.5	0.3	92	88	(69 - 125)
Uranium 238	19.6	18.0	2.6	0.3	92	92	(68 - 121)
	Batch #:	9138472		Analysis Date:	05/21/09		

TBG
7-16-09

NOTE(S)
MDC is determined by instrument performance only
Calculations are performed before rounding to avoid round-off error in calculated results

TestAmerica St. Louis

Laboratory Control Sample/LCS Duplicate Report

Radiochemistry

Client Lot ID: F9E150141
Matrix: SOLID

Parameter		Spike Amount	Result	Total Uncert. (2 σ+/-)	% Yld	% Rec	QC Control Limits	Lab Sample ID Precision	
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD		pCi/g		A-01-R MOD				F9E220000-330C	
Plutonium 238		3.08	2.63	0.35	103	85	(66 - 125)		
	Spk 2	3.08	3.18	0.41	90	103	(66 - 125)	19	%RPD
Plutonium 239/40		6.61	5.99	0.65	103	91	(75 - 130)		
	Spk 2	6.61	6.81	0.74	90	103	(75 - 130)	13	%RPD
		Batch #:	9142330		Analysis Date:		05/25/09		
Iso THORIUM (LONG CT) DOE A-01-R MOD		pCi/g		A-01-R MOD				F9E220000-331C	
Thorium 230		57.0	55.4	6.0	84	97	(83 - 126)		
	Spk 2	58.5	54.3	5.9	80	93	(83 - 126)	2	%RPD
		Batch #:	9142331		Analysis Date:		05/25/09		

TBS
7-16-09

NOTE(S)
Calculations are performed before rounding to avoid round-off error in calculated results

TestAmerica St. Louis

DUPLICATE EVALUATION REPORT

Radiochemistry

Client Lot ID: F9E150141 Date Sampled: 05/12/09
Matrix: SOLID Date Received: 05/15/09

Parameter	SAMPLE Result		Total Uncert. (2σ+/-)	% Yld	DUPLICATE Result		Total Uncert. (2σ+/-)	% Yld	QC Sample ID Precision	
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				**pCi/g**	**A-01-R MOD**				**F9E150141-001**	
Plutonium 238	0.099		0.030	88	0.055		0.023	86	56	%RPD
Plutonium 239/40	0.0	U	0.0057	88	0.0020	U	0.0041	86	200	%RPD
Batch #:			9138227 (Sample)		9138227 (Duplicate)					
Iso THORIUM (LONG CT) DOE A-01-R MOD				**pCi/g**	**A-01-R MOD**				**F9E150141-001**	
Thorium 228	0.75		0.22	51	0.64		0.22	41	16	%RPD
Thorium 230	0.64		0.20	51	0.74		0.24	41	15	%RPD
Thorium 232	0.79		0.22	51	0.70		0.23	41	12	%RPD
Batch #:			9138229 (Sample)		9138229 (Duplicate)					
Iso URANIUM (LONG CT) DOE A-01-R MOD				**pCi/g**	**A-01-R MOD**				**F9E150141-001**	
Uranium 233/234	0.62		0.16	84	0.50		0.13	86	21	%RPD
Uranium 235	0.018	U	0.029	84	0.054	J	0.049	86	101	%RPD
Uranium 238	0.58		0.15	84	0.55		0.14	86	5	%RPD
Batch #:			9138233 (Sample)		9138233 (Duplicate)					
Gamma Cs-137 & Hits by DOE GA-01-R MOD				**pCi/g**	**GA-01-R MOD**				**F9E150141-001**	
Actinium 227	-0.05	U	0.19		-0.02	U	0.60		102	%RPD
Actinium 228	0.40		0.21		0.58		0.19		38	%RPD
Americium 241	-0.012	U	0.063		0.004	U	0.094		427	%RPD
Bismuth 214	0.47		0.14		0.55		0.15		15	%RPD
Bismuth-207	0.008	U	0.036		0.0001	U	0.037		194	%RPD
Bismuth-210M	-0.016	U	0.055		0.0	U	0.071		200	%RPD
Cesium 137	0.008	U	0.049		0.0	U	0.067		200	%RPD
Cobalt 60	0.0	U	0.054		0.026	U	0.051		200	%RPD
Lead 210	1.4	U	1.3		0.7	U	1.2		63	%RPD
Protactinium 231	0.11	U	0.94		0.08	U	1.1		34	%RPD
Radium (226)	0.47		0.14		0.55		0.15		15	%RPD
Thorium 229	-0.15	U	0.64		-0.15	U	0.66		2	%RPD
Uranium 235	-0.04	U	1.8		-0.1	U	1.2		104	%RPD
Uranium 238	1.16	U	0.93		0.5	U	1.1		75	%RPD
---Other Dadected Radionuclides---										
Lead 212	0.52		0.11		0.52		0.11		0.3	%RPD
Lead 214	0.60		0.12		0.37		0.11		48	%RPD
Potassium 40	10.4		1.8		13.2		1.8		24	%RPD
Thallium 208	0.119		0.053		0.221		0.061		60	%RPD
Batch #:			9138449 (Sample)		9138449 (Duplicate)					

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7-16-09

TestAmerica St. Louis

DUPLICATE EVALUATION REPORT

Radiochemistry

Client Lot ID: F9E150141 Date Sampled: 05/12/09
Matrix: SOLID Date Received: 05/15/09

Parameter	SAMPLE Result		Total Uncert. (2σ+/-)	% Yld	DUPLICATE Result		Total Uncert. (2σ+/-)	% Yld	QC Sample ID Precision	
Gamma Cs-137 & Hits by DOE GA-01-R MOD				pCi/g	GA-01-R MOD				F9E150141-021	
Actinium 227	-0.08	U	0.82		0.10	U	0.19		1740	%RPD
Actinium 228	1.08		0.27		1.50		0.27		32	%RPD
Americium 241	-0.008	U	0.21		0.06	U	0.13		262	%RPD
Bismuth 214	0.71		0.21		0.91		0.19		25	%RPD
Bismuth-207	0.014	U	0.044		-0.012	U	0.044		2660	%RPD
Bismuth-210M	-0.005	U	0.060		0.025	U	0.060		310	%RPD
Cesium 137	-0.03	U	0.27		0.005	U	0.052		294	%RPD
Cobalt 60	-0.02	U	0.15		0.003	U	0.033		312	%RPD
Lead 210	1.3	U	1.4		0.6	U	1.3		74	%RPD
Protactinium 231	-0.2	U	1.2		-0.4	U	1.2		61	%RPD
Radium (226)	0.71		0.21		0.91		0.19		25	%RPD
Thorium 229	0.30	U	0.70		0.73	U	0.41		83	%RPD
Uranium 235	-0.01	U	0.34		-0.002	U	0.27		156	%RPD
Uranium 238	1.3	U	1.4		1.7	U	1.6		23	%RPD
---Other Dedected Radionuclides---										
Lead 212	1.03		0.16		1.08		0.14		5	%RPD
Lead 214	0.79		0.15		0.76		0.16		3	%RPD
Potassium 40	28.2		3.0		29.0		2.7		3	%RPD
Thallium 208	0.366		0.093		0.354		0.086		3	%RPD
	Batch #:		9138450	(Sample)	9138450		(Duplicate)			
Iso PLUTONIUM (LONG CT) DOE A-01-R MOD				pCi/g	A-01-R MOD				F9E150141-021	
Plutonium 238	0.194		0.084	93	0.252		0.094	97	26	%RPD
Plutonium 239/40	0.015	U	0.027	93	0.0	U	0.016	97	200	%RPD
	Batch #:		9138470	(Sample)	9138470		(Duplicate)			
Iso THORIUM (LONG CT) DOE A-01-R MOD				pCi/g	A-01-R MOD				F9E150141-021	
Thorium 228	1.07		0.32	35	1.15		0.39	25	7	%RPD
Thorium 230	0.99		0.30	35	1.16		0.39	25	16	%RPD
Thorium 232	0.96		0.30	35	0.84		0.32	25	14	%RPD
	Batch #:		9138471	(Sample)	9138471		(Duplicate)			
Iso URANIUM (LONG CT) DOE A-01-R MOD				pCi/g	A-01-R MOD				F9E150141-021	
Uranium 233/234	0.80		0.17	88	0.68		0.16	88	16	%RPD
Uranium 235	0.068	J	0.052	88	0.045	U	0.045	88	41	%RPD
Uranium 238	0.93		0.19	88	0.78		0.17	88	17	%RPD
	Batch #:		9138472	(Sample)	9138472		(Duplicate)			

TBG
7-16-09

NOTE(S)

Data are incomplete without the case narrative.
Calculations are performed before rounding to avoid round-off error in calculated results

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

Validation Report for F8J020194

Data Validation: PCBs

Project Name: MOUND **Number:** **QC Level:** D

Lab ID: TEST AMERICA **Report No.:** F8J020194

Number and Type of Samples: 20 ~~SEDD~~ SOIL

1. Holding Times

Field sample ID	Lab ID	Sampling date	Prep date(s)	Analysis date(s)	Holding time(days)	Comments/Cleanup/ Batch ID
4102-0293A-HO	001	9-29-08	10-5-08	10-8-08	3	8279016
-0294A-HO	002					
-0295A-HO	003					
0296A-HO	004			10-9-08	4	
0301A-HO	005					
0302A-HO	006					
0303A-HO	007					
0304A-HO	008					
0305A-HO	009					
CONT 1A						

Preservation: Have all the vials been received by the lab at 2-6 C? (Y) N

Recommended Action: NO ACTION

2. Surrogate Recovery—System Monitoring Compounds (SMC) 49

a. Is Form II present? (Y) N Equiv

b. Provide control limits for each surrogate spiked:

TCMX_____ DCB 57-150

c. Any sample runs with 1 or more surrogate recoveries outside control limits? Y (N)

d. Enter recoveries for each surrogate that is out of control:

Field Sample ID	TCMX		DCB	
	Col 1	Col 2	Col 1	Col 2

Action: NO ACTION

3. Matrix spike/Matrix spike duplicate

a. ID of sample used for MS/MSD: 4102-0293A-HO

b. Indicate out of control compounds in the following table: N/A

Spike compound	MS %R	MSD %R	%RPD	Action

Action: NO ACTION

Reviewed by/Date: G Darnell 6-16-09

QA concurrence/Date: [illegible] 6/30/09

3006XXXXXX-1004260001 1A

Field Activity Daily Log Continuation Sheet

Shaw® Shaw Environmental & Infrastructure, Inc.

DATE			
NO.			
SHEET		OF	

Project Name: Project No.

Field Activity Subject:

Description of Daily Activities and Events:

FIELD ID	LAB ID	SAMPLE DATE	PREP DATE	ANALYSIS DATE	HOLD
4102-0306A-HO ✓	010	9-29-08	10-5-08	10-9-08	4
-0307A-HO ✓	011				
-0311A-HO ✓	012				
0312A-HO ✓	013				
0313A-HO ✓	014				
0314A-HO ✓	015				
0315A-HO ✓	016				
0316A HO ✓	017				
0317A HO ✓	018				
0318A HO ✓	019				
0322A HO ✓	020				
		20C. ✓	✓	✓	✓

0.25 in x 0.25 in

Form Number: 140_1

Rev. 07-21-06

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F8J020189 194

- 273 -

Condition Upon Receipt Form

Client: ARC
Quote No: 74038
COC/RFA No: 7873, 7874, 7875, 7876
Initiated By: [illegible]
Date: 10.02.08
Time: 0900

Shipping Information

Shipper Name: FedEx
Shipping # (s):*
1. 7921 1758 4439
2.
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages Y (N)
Sample Temperature (s):**
1. 2
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N (N/A)	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	If N/A- Was pH taken by original TestAmerica lab?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	(Y) N	Sample received in proper containers?
6.	Y (N)	Was sample received broken?	13.	Y N (N/A)	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

Corrective Action:
- ☐ Client Contact Name: Informed by:
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: If released, notify:

Project Management Review: Date: 10-7-08

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: F8J020194 **Work Order #...:** KX7031AA **Matrix.....:** SOLID
MB Lot-Sample #: F8J050000-016

Prep Date.....: 10/05/08 **Analysis Time..:** 21:49
Analysis Date..: 10/08/08 **Prep Batch #...:** 8279016
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	96	(57 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SW846 8082 SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Lot #: F8J020194

Extraction: XXA71QH01

	CLIENT ID.	SRG01	TOT OUT
01	4102-0293A-HO	88	00
02	4102-0294A-HO	97	00
03	4102-0295A-HO	93	00
04	4102-0296A-HO	108	00
05	4102-0301A-HO	111	00
06	4102-0302A-HO	105	00
07	4102-0303A-HO	96	00
08	4102-0304A-HO	89	00
09	4102-0305A-HO	88	00
10	4102-0306A-HO	102	00
11	4102-0307A-HO	103	00
12	4102-0311A-HO	88	00
13	4102-0312A-HO	116	00
14	4102-0313A-HO	98	00
15	4102-0314A-HO	74	00
16	4102-0315A-HO	92	00
17	4102-0316A-HO	85	00
18	4102-0317A-HO	84	00
19	4102-0318A-HO	86	00
20	4102-0322A-HO	94	00
21	METHOD BLK. KX7031AA	96	00
22	LCS KX7031AC	100	00
23	4102-0293A-HO D	101	00
24	4102-0293A-HO S	97	00

SURROGATES	QC LIMITS
SRG01 = Decachlorobiphenyl	(57-150)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Matrix Spike ID: 4102-0293A-HO Level:(low/med) LOW

Lot #: F8J020194 WO #: KX2VT1AE
BATCH: 8279016

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	171	ND	173	102	53- 150	
Aroclor 1260	171	ND	177	104	38- 150	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Matrix Spike ID: 4102-0293A-HO Level:(low/med) LOW

Lot #: F8J020194 WO #: KX2VT1AF
BATCH: 8279016

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Aroclor 1016	171	156	91	11	30	53- 150	
Aroclor 1260	171	180	106	1.8	30	38- 150	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Lot #: F8J050000 WO #: KX7031AC
BATCH: 8279016

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	167	178	107	76- 133	
Aroclor 1260	167	175	105	78- 131	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.
KX7031AA

SW846 8082 METHOD BLANK SUMMARY

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALSTL

SDG Number:

Lab File ID: MBLK012.

Lot Number: F8J020194

Matrix: SOLID

Extraction Method: 3550B/3665A

Date Extracted: 10/05/08

Date Analyzed(1): 10/08/08

Date Analyzed(2): N/A

Time Analyzed(1): 21:49

Time Analyzed(2): N/A

Instrument ID(1): GCM

Instrument ID(2): N/A

GC Column(1): RTX-CLP ID: 053 GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED(1)	DATE ANALYZED(2)
01	4102-0293A-HO	KX2VT1AD	10/08/08	N/A
02	4102-0293A-HO	KX2VT1AE S	10/08/08	N/A
03	4102-0293A-HO	KX2VT1AF D	10/08/08	N/A
04	4102-0294A-HO	KX2V01AD	10/08/08	N/A
05	4102-0295A-HO	KX2V41AD	10/08/08	N/A
06	4102-0296A-HO	KX2V51AD	10/09/08	N/A
07	4102-0301A-HO	KX2V71AD	10/09/08	N/A
08	4102-0302A-HO	KX2WA1AD	10/09/08	N/A
09	4102-0303A-HO	KX2WC1AD	10/09/08	N/A
10	4102-0304A-HO	KX2WD1AD	10/09/08	N/A
11	4102-0305A-HO	KX2WE1AD	10/09/08	N/A
12	4102-0306A-HO	KX2WF1AD	10/09/08	N/A
13	4102-0307A-HO	KX2WG1AD	10/09/08	N/A
14	4102-0311A-HO	KX2WH1AD	10/09/08	N/A
15	4102-0312A-HO	KX2WJ1AD	10/09/08	N/A
16	4102-0313A-HO	KX2WL1AD	10/09/08	N/A
17	4102-0314A-HO	KX2WM1AD	10/09/08	N/A
18	4102-0315A-HO	KX2WN1AD	10/09/08	N/A
19	4102-0316A-HO	KX2WP1AD	10/09/08	N/A
20	4102-0317A-HO	KX2WQ1AD	10/09/08	N/A
21	4102-0318A-HO	KX2WR1AD	10/09/08	N/A
22	4102-0322A-HO	KX2WT1AD	10/09/08	N/A
23	CHECK SAMPLE	KX7031AC C	10/08/08	N/A

COMMENTS:

FORM IV

TestAmerica St. Louis

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Shaw E & I Inc SAMPLE NO.

4102-0304A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WD1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.92	3.83	4.01	104.5		
Aroclor-1254	2	4.17	4.07	4.25	109.5		
	3	4.53	4.44	4.62	122.0		
COLUMN 1	4	4.96	4.87	5.05	95.82		
	5	5.22	5.12	5.30	107.0	107.8	
	1	5.28	5.19	5.37	123.6		
	2	5.83	5.73	5.91	101.7		
	3	6.00	5.91	6.09	89.50		
COLUMN 2	4						
	5					104.9	2.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

TestAmerica St. Louis

Shaw E & I Inc SAMPLE NO.

4102-0307A-HO

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WG1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.08	2.99	3.17	487.9		
Aroclor-1248	2	3.57	3.48	3.66	483.9		
	3	3.99	3.89	4.07	479.7		
COLUMN 1	4	4.17	4.07	4.25	577.6		
	5					507.3	
	1	4.05	3.95	4.13	489.8		
	2	4.26	4.17	4.35	415.8		
	3	4.67	4.58	4.76	616.2		
COLUMN 2	4	4.89	4.79	4.97	672.1		
	5					548.5	8.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

TestAmerica St. Louis

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Shaw E & I Inc SAMPLE NO.

4102-0314A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WM1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	2.67	2.58	2.76	451.7		
Aroclor-1242	2	2.85	2.76	2.94	443.6		
	3	3.08	2.99	3.17	412.7		
COLUMN 1	4	3.99	3.89	4.07	414.3		
	5	4.17	4.07	4.25	282.2	400.9	
	1	3.24	3.15	3.33	360.2		
	2	3.48	3.38	3.56	402.9		
	3	3.69	3.59	3.77	380.9		
COLUMN 2	4	4.67	4.58	4.76	350.2		
	5	4.89	4.79	4.97	337.1	366.3	9.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

TestAmerica St. Louis

Shaw E & I Inc SAMPLE NO.

4102-0316A-HO

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WP1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.08	2.99	3.17	222.4		
Aroclor-1248	2	3.57	3.48	3.66	335.0		
	3	4.17	4.07	4.25	387.8		
COLUMN 1	4						
	5					315.1	
	1	4.05	3.95	4.13	401.7		
	2	4.26	4.17	4.35	312.7		
	3	4.89	4.79	4.97	541.2		
COLUMN 2	4						
	5					418.6	32.8
	1	3.92	3.83	4.01	199.4		
Aroclor-1254	2	4.17	4.07	4.25	241.4		
	3	4.53	4.44	4.62	249.3		
COLUMN 1	4						
	5					230.0	
	1	5.29	5.19	5.37	296.6		
	2	5.83	5.73	5.91	202.1		
	3	6.01	5.91	6.09	210.8		
COLUMN 2	4						
	5					236.5	2.8
	1	4.70	4.61	4.79	178.0		
Aroclor-1260	2	5.85	5.75	5.93	53.39		
	3	6.69	6.59	6.77	54.70		
COLUMN 1	4						
	5					95.37	
	1	5.67	5.57	5.75	119.7		
	2	6.37	6.27	6.45	57.98		
	3	6.61	6.51	6.69	62.33		
COLUMN 2	4						
	5					79.99	19.2

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

TestAmerica St. Louis

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Shaw E & I Inc SAMPLE NO.

4102-0317A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WQ1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.08	2.99	3.17	272.5		
Aroclor-1248	2	3.57	3.48	3.66	265.6		
	3	3.99	3.89	4.07	356.4		
COLUMN 1	4						
	5					298.1	
	1	4.05	3.95	4.13	283.2		
	2	4.26	4.17	4.35	241.8		
	3	4.67	4.58	4.76	366.8		
COLUMN 2	4						
	5					297.3	0.3
	1	3.92	3.83	4.01	144.2		
Aroclor-1254	2	4.53	4.44	4.62	159.0		
	3	5.22	5.12	5.30	165.1		
COLUMN 1	4						
	5					156.1	
	1	5.28	5.19	5.37	186.1		
	2	5.83	5.73	5.91	149.2		
	3	6.01	5.91	6.09	149.0		
COLUMN 2	4						
	5					161.4	3.4
	1	4.70	4.61	4.79	84.76		
Aroclor-1260	2	5.85	5.75	5.93	34.41		
	3	6.69	6.59	6.77	45.96		
COLUMN 1	4						
	5					55.04	
	1	5.67	5.57	5.75	79.99		
	2	6.37	6.27	6.45	35.04		
	3	6.60	6.51	6.69	37.54		
COLUMN 2	4						
	5					50.86	8.2

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

TestAmerica St. Louis

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Shaw E & I Inc SAMPLE NO.

4102-0318A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WR1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.08	2.99	3.17	45.39		
Aroclor-1248	2	3.57	3.48	3.66	55.99		
	3	3.99	3.89	4.07	47.30		
COLUMN 1	4	4.17	4.07	4.25	38.60		
	5	4.53	4.44	4.62	63.63	50.18	
	1	4.05	3.95	4.13	50.21		
	2	4.26	4.17	4.35	43.56		
	3	4.67	4.58	4.76	47.98		
COLUMN 2	4	4.89	4.79	4.97	41.72		
	5	5.28	5.19	5.37	43.35	45.36	10.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

Report Date : 02-Oct-2008 11:43 Page 1

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 02-OCT-2008 04:57
End Cal Date : 02-OCT-2008 09:05
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Last Edit : 02-Oct-2008 11:43 target
Curve Type : Average

Calibration File Names:
Level 1: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL745.D
Level 2: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL746.D
Level 3: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL747.D
Level 4: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL759.D
Level 5: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL749.D
Level 6: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL750.D
Level 7: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL751.D
Level 8: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL752.D

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
22 Aroclor-1016(1)	4871	4754	4354	4001	4080	3944			
	3583	3363					4119	12.750	
(2)	8875	8877	8227	7626	7799	7626			
	6729	6267					7753	11.978	
(3)	18410	19119	18207	17646	18059	17611			
	16313	15224					17574	7.080	
(4)	7009	7145	6689	6339	6627	6615			
	5880	5474					6472	8.655	
(5)	7270	7404	6961	6591	6914	6909			
	6205	5856					6764	7.724	
23 Aroclor-1221(1)	+++++	+++++	+++++	1545	+++++	+++++			
	+++++	+++++					1545	0.000	<-
(2)	+++++	+++++	+++++	2150	+++++	+++++			
	+++++	+++++					2150	0.000	<-
(3)	+++++	+++++	+++++	5461	+++++	+++++			
	+++++	+++++					5461	0.000	<-

TestAmerica St. Louis

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Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Last Edit : 02-Oct-2008 11:43 target
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
24 Aroclor-1232(1)	+++++ / +++++	+++++ / +++++	+++++	4272	+++++	+++++	4272	0.000	<-
(2)	+++++ / +++++	+++++ / +++++	+++++	3640	+++++	+++++	3640	0.000	<-
(3)	+++++ / +++++	+++++ / +++++	+++++	7760	+++++	+++++	7760	0.000	<-
(4)	+++++ / +++++	+++++ / +++++	+++++	2656	+++++	+++++	2656	0.000	<-
(5)	+++++ / +++++	+++++ / +++++	+++++	2071	+++++	+++++	2071	0.000	<-
25 Aroclor-1242(1)	+++++ / +++++	+++++ / +++++	+++++	6055	+++++	+++++	6055	0.000	<-
(2)	+++++ / +++++	+++++ / +++++	+++++	4345	+++++	+++++	4345	0.000	<-
(3)	+++++ / +++++	+++++ / +++++	+++++	13590	+++++	+++++	13590	0.000	<-
(4)	+++++ / +++++	+++++ / +++++	+++++	4949	+++++	+++++	4949	0.000	<-
(5)	+++++ / +++++	+++++ / +++++	+++++	4551	+++++	+++++	4551	0.000	<-
26 Aroclor-1248(1)	+++++ / +++++	+++++ / +++++	+++++	8433	+++++	+++++	8433	0.000	<-

TestAmerica St. Louis

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Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
(2)	+++++	+++++	+++++	7113	+++++	+++++			
	+++++	+++++					7113	0.000	<-
(3)	+++++	+++++	+++++	8036	+++++	+++++			
	+++++	+++++					8036	0.000	<-
(4)	+++++	+++++	+++++	7832	+++++	+++++			
	+++++	+++++					7832	0.000	<-
(5)	+++++	+++++	+++++	3660	+++++	+++++			
	+++++	+++++					3660	0.000	<-
27 Aroclor-1254(1)	+++++	+++++	+++++	6295	+++++	+++++			
	+++++	+++++					6295	0.000	<-
(2)	+++++	+++++	+++++	12583	+++++	+++++			
	+++++	+++++					12583	0.000	<-
(3)	+++++	+++++	+++++	11346	+++++	+++++			
	+++++	+++++					11346	0.000	<-
(4)	+++++	+++++	+++++	9166	+++++	+++++			
	+++++	+++++					9166	0.000	<-
(5)	+++++	+++++	+++++	13201	+++++	+++++			
	+++++	+++++					13201	0.000	<-
28 Aroclor-1260(1)	9993	10006	9470	9041	9300	9191			
	8404	7891					9162	7.957	
(2)	14870	15072	14345	13852	14018	13654			
	12706	11842					13795	7.829	

TestAmerica St. Louis

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Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Last Edit : 02-Oct-2008 11:43 target
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
(3)	15196	15589	15067	14747	14969	14730			
	13915	13116					14666	5.383	
(4)	20012	20549	20218	19810	19978	19416			
	18619	17604					19526	4.963	
(5)	5132	5355	5160	5020	5030	4818			
	4750	4503					4971	5.413	
35 Aroclor-1262(1)	+++++	+++++	+++++	6816	+++++	+++++			
	+++++	+++++					6816	0.000	<-
(2)	+++++	+++++	+++++	8946	+++++	+++++			
	+++++	+++++					8946	0.000	<-
(3)	+++++	+++++	+++++	11476	+++++	+++++			
	+++++	+++++					11476	0.000	<-
(4)	+++++	+++++	+++++	20900	+++++	+++++			
	+++++	+++++					20900	0.000	<-
(5)	+++++	+++++	+++++	9030	+++++	+++++			
	+++++	+++++					9030	0.000	<-
36 Aroclor-1268(1)	+++++	+++++	+++++	25064	+++++	+++++			
	+++++	+++++					25064	0.000	<-
(2)	+++++	+++++	+++++	27150	+++++	+++++			
	+++++	+++++					27150	0.000	<-
(3)	+++++	+++++	+++++	17765	+++++	+++++			
	+++++	+++++					17765	0.000	<-

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Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Last Edit : 02-Oct-2008 11:43 target
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
(4)	+++++	+++++	+++++	8976	+++++	+++++			
	+++++	+++++					8976	0.000	<-
(5)	+++++	+++++	+++++	51074	+++++	+++++			
	+++++	+++++					51074	0.000	<-
M 37 PCB (Total)	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
$ 32 Decachlorobiphenyl	178582	180611	136870	164242	161472	155066			
	129888	143481					155776	12.475	

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Quant Method : ESTD Target Version : 4.14
Last Update : 02-Oct-2008 14:52 Number of Cpnds : 11
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	500.000000
Initial:End Threshold	30.000000
Initial:Area Threshold	100.000000
Initial:P-P Resolution	2.000000
Initial:Bunch Factor	0.000000
Initial:Negative Peaks	OFF
Initial:Tension	0.200000
0.000:Integrator OFF	n/a
1.200:Integrator ON	n/a
8.000:Integrator OFF	n/a

Compound	RT	RT Window	RF
22 Aroclor-1016	2.366	2.276-2.456	4.12e+003
	2.666	2.576-2.756	7.75e+003
	3.076	2.986-3.166	1.76e+004
	3.196	3.106-3.286	6.47e+003
	3.568	3.478-3.658	6.76e+003
23 Aroclor-1221	1.700	1.610-1.790	1.55e+003
	2.211	2.121-2.301	2.15e+003
	2.366	2.276-2.456	5.46e+003
24 Aroclor-1232	2.365	2.275-2.455	4.27e+003
	2.665	2.575-2.755	3.64e+003
	3.077	2.987-3.167	7.76e+003
	3.980	3.890-4.070	2.66e+003
	4.164	4.074-4.254	2.07e+003
25 Aroclor-1242	2.667	2.577-2.757	6.06e+003
	2.845	2.755-2.935	4.35e+003
	3.077	2.987-3.167	1.36e+004
	3.982	3.892-4.072	4.95e+003
	4.163	4.073-4.253	4.55e+003
26 Aroclor-1248	3.078	2.988-3.168	8.43e+003
	3.570	3.480-3.660	7.11e+003
	3.980	3.890-4.070	8.04e+003
	4.163	4.073-4.253	7.83e+003
	4.528	4.438-4.618	3.66e+003
27 Aroclor-1254	3.918	3.828-4.008	6.30e+003
	4.160	4.070-4.250	1.26e+004
	4.526	4.436-4.616	1.13e+004
	4.956	4.866-5.046	9.17e+003
	5.215	5.125-5.305	1.32e+004

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m

	Compound	RT	RT Window	RF
	28 Aroclor-1260	4.696	4.606-4.786	9.16e+003
		4.956	4.866-5.046	1.38e+004
		5.214	5.124-5.304	1.47e+004
		5.838	5.748-5.928	1.95e+004
		6.678	6.588-6.768	4.97e+003
	35 Aroclor-1262	4.696	4.606-4.786	6.82e+003
		4.956	4.866-5.046	8.95e+003
		5.321	5.231-5.411	1.15e+004
		5.838	5.748-5.928	2.09e+004
		6.133	6.043-6.223	9.03e+003
	36 Aroclor-1268	6.132	6.042-6.222	2.51e+004
		6.168	6.078-6.258	2.72e+004
		6.347	6.257-6.437	1.78e+004
		6.677	6.587-6.767	8.98e+003
		6.942	6.852-7.032	5.11e+004
M	37 PCB (Total)	1.000	0.920-1.080	
$	32 Decachlorobiphenyl	7.116	7.026-7.206	1.56e+005

TestAmerica St. Louis

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Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002B.b\8082B.m
Last Edit : 02-Oct-2008 14:29 target
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD
24 Aroclor-1232(1)	+++++	++-++	+++++	14418	+++++	+++++		
	+++++	++-++					14418	0.000
(2)	+++++	+++++	+++++	12125	+++++	+++++		
	+++++	+++++					12125	0.000
(3)	+++++	+++++	+++++	25435	+++++	+++++		
	+++++	+++++					25435	0.000
(4)	-++++	-++++	+++++	8476	+++++	+++++		
	-++++	+++++					8476	0.000
(5)	+++++	+++++	+++++	9447	+++++	+++++		
	+++++	+++++					9447	0.000
25 Aroclor-1242(1)	+++++	+++++	+++++	21224	+++++	+++++		
	+++++	+++++					21224	0.000
(2)	+++++	+++++	+++++	9604	+++++	+++++		
	+++++	+++++					9604	0.000
(3)	+++++	+++++	+++++	42772	+++++	+++++		
	+++++	+++++					42772	0.000
(4)	+++++	+++++	+++++	16039	+++++	+++++		
	+++++	+++++					16039	0.000
(5)	+++++	+++++	+++++	15944	+++++	+++++		
	+++++	+++++					15944	0.000
26 Aroclor-1248(1)	+++++	+++++	+++++	12761	+++++	+++++		
	+++++	+++++					12761	0.000

TestAmerica St. Louis

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Curve Type : Average

Compound	50.000 Level 1 2500.000 Level 7	100.000 Level 2 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD
(2)	+++++ +++++	+++++ +++++	+++++	18593	+++++	+++++	18592	0.000
(3)	+++++ +++++	+++++ +++++	+++++	25052	+++++	+++++	25052	0.000
(4)	+++++ +++++	+++++ +++++	+++++	24232	+++++	+++++	24232	0.000
(5)	+++++ +++++	+++++ +++++	+++++	13342	+++++	+++++	13342	0.000
27 Aroclor-1254(1)	+++++ +++++	+++++ +++++	+++++	24382	+++++	+++++	24382	0.000
(2)	+++++ +++++	+++++ +++++	+++++	26697	+++++	+++++	26697	0.000
(3)	+++++ +++++	+++++ +++++	+++++	38412	+++++	+++++	38412	0.000
(4)	+++++ +++++	+++++ +++++	+++++	34607	+++++	+++++	34607	0.000
(5)	+++++ +++++	+++++ +++++	+++++	43000	+++++	+++++	43000	0.000
28 Aroclor-1260(1)	37256 27713	35694 25768	33093	30898	31195	30546	31520	12.100
(2)	41639 32019	40978 29640	38036	35895	35618	34471	36037	11.465

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Last Edit : 02-Oct-2008 14:29 target
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD
(3)	38679	38187	35893	33973	34647	34025		
	31418	29347					34521	9.133
(4)	33411	33148	31380	29910	30301	29637		
	27555	25801					30143	8.608
(5)	67887	69386	66338	64265	63887	61585		
	58651	55079					63385	7.559
35 Aroclor-1262(1)	+++++	+++++	+++++	23546	+++++	+++++		
	+++++	+++++					23546	0.000
(2)	+++++	+++++	+++++	25889	+++++	+++++		
	+++++	+++++					25889	0.000
(3)	+++++	+++++	+++++	36276	+++++	+++++		
	+++++	+++++					36276	0.000
(4)	+++++	+++++	+++++	65983	+++++	+++++		
	+++++	+++++					65983	0.000
(5)	+++++	+++++	+++++	48595	+++++	+++++		
	+++++	+++++					48595	0.000
36 Aroclor-1268(1)	+++++	+++++	+++++	81697	+++++	+++++		
	+++++	+++++					81697	0.000
(2)	+++++	+++++	+++++	86306	+++++	+++++		
	+++++	+++++					86306	0.000
(3)	+++++	+++++	+++++	57502	+++++	+++++		
	+++++	+++++					57502	0.000

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Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
(4)	+++++	+++++	+++++	28181	+++++	+++++			
	+++++	+++++					28181	0.000	
(5)	+++++	+++++	+++++	160965	+++++	+++++			
	+++++	+++++					160965	0.000	
M 37 PCB (Total)	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
$ 32 Decachlorobiphenyl	545152	546632	410646	494048	490581	474580			
	386205	439107					473369	12.357	

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002B.b\8082B.m
Quant Method : ESTD Target Version : 4.14
Last Update : 02-Oct-2008 14:56 Number of Cpnds : 11
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	500.000000
Initial:End Threshold	30.000000
Initial:Area Threshold	100.000000
Initial:P-P Resolution	2.000000
Initial:Bunch Factor	0.000000
Initial:Negative Peaks	OFF
Initial:Tension	0.200000
0.000:Integrator OFF	n/a
1.800:Integrator ON	n/a
9.000:Integrator OFF	n/a

Compound	RT	RT Window	RF
22 Aroclor-1016	2.850	2.760-2.940	1.37e+004
	3.238	3.148-3.328	2.72e+004
	3.680	3.590-3.770	5.53e+004
	3.908	3.818-3.998	1.81e+004
	4.258	4.168-4.348	1.73e+004
23 Aroclor-1221	1.993	1.903-2.083	5.15e+003
	2.660	2.570-2.750	7.85e+003
	2.850	2.760-2.940	1.80e+004
24 Aroclor-1232	2.849	2.759-2.939	1.44e+004
	3.237	3.147-3.327	1.21e+004
	3.679	3.589-3.769	2.54e+004
	4.666	4.576-4.756	8.48e+003
	4.882	4.792-4.972	9.45e+003
25 Aroclor-1242	3.242	3.152-3.332	2.12e+004
	3.472	3.382-3.562	9.60e+003
	3.679	3.589-3.769	4.28e+004
	4.665	4.575-4.755	1.60e+004
	4.884	4.794-4.974	1.59e+004
26 Aroclor-1248	4.043	3.953-4.133	1.28e+004
	4.260	4.170-4.350	1.86e+004
	4.667	4.577-4.757	2.51e+004
	4.885	4.795-4.975	2.42e+004
	5.280	5.190-5.370	1.33e+004
27 Aroclor-1254	4.660	4.570-4.750	2.44e+004
	4.842	4.752-4.932	2.67e+004
	5.280	5.190-5.370	3.84e+004
	5.822	5.732-5.912	3.46e+004
	6.000	5.910-6.090	4.30e+004

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002B.b\8082B.m

	Compound	RT	RT Window	RF
	28 Aroclor-1260	5.463	5.373-5.553	3.15e+004
		5.661	5.571-5.751	3.60e+004
		5.815	5.725-5.905	3.45e+004
		6.363	6.273-6.453	3.01e+004
		6.598	6.508-6.688	6.34e+004
	35 Aroclor-1262	5.465	5.375-5.555	2.35e+004
		5.662	5.572-5.752	2.59e+004
		6.085	5.995-6.175	3.63e+004
		6.598	6.508-6.688	6.60e+004
		6.938	6.848-7.028	4.86e+004
	36 Aroclor-1268	6.935	6.845-7.025	8.17e+004
		6.980	6.890-7.070	8.63e+004
		7.219	7.129-7.309	5.75e+004
		7.484	7.394-7.574	2.82e+004
		7.792	7.702-7.882	1.61e+005
M	37 PCB (Total)	1.000	0.920-1.080	
$	32 Decachlorobiphenyl	8.036	7.946-8.126	4.73e+005

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL978.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL978.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 11:48
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1129.2505	12.9	20.0
486539264 Aroclor-1260	1000.0000	1119.0322	11.9	20.0
570425344 Decachlorobiphenyl	50.0000	50.7646	1.5	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL978.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL978.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 11:48
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1090.0771	9.0	20.0	
486539264 Aroclor-1260	1000.0000	1078.4272	7.8	20.0	
570425344 Decachlorobiphenyl	50.0000	47.1988	5.6	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL985.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL985.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 13:52
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1095.8398	9.6	20.0
486539264 Aroclor-1260	1000.0000	1099.5647	10.0	20.0
570425344 Decachlorobiphenyl	50.0000	49.2788	1.4	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL985.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL985.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 13:52
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1048.4582	4.8	20.0
486539264 Aroclor-1260	1000.0000	1085.5329	8.6	20.0
570425344 Decachlorobiphenyl	50.0000	46.7595	6.5	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL996.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL996.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 17:07
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1139.8513	14.0	20.0	
486539264 Aroclor-1260	1000.0000	1141.2773	14.1	20.0	
570425344 Decachlorobiphenyl	50.0000	52.1927	4.4	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL996.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL996.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 17:07
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1103.7777	10.4	20.0
486539264 Aroclor-1260	1000.0000	1060.2078	6.0	20.0
570425344 Decachlorobiphenyl	50.0000	49.2186	1.6	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL007.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL007.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 20:20
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1137.3379	13.7	20.0
486539264 Aroclor-1260	1000.0000	1067.3971	6.7	20.0
570425344 Decachlorobiphenyl	50.0000	48.2568	3.5	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL007.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL007.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 20:20
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1056.1036	5.6	20.0
486539264 Aroclor-1260	1000.0000	1005.8257	0.6	20.0
570425344 Decachlorobiphenyl	50.0000	46.4529	7.1	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL018.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL018.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 23:35
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1173.3140	17.3	20.0
486539264 Aroclor-1260	1000.0000	1141.4488	14.1	20.0
570425344 Decachlorobiphenyl	50.0000	48.6250	2.7	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL018.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL018.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 23:35
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1142.5932	14.3	20.0
486539264 Aroclor-1260	1000.0000	1038.2211	3.8	20.0
570425344 Decachlorobiphenyl	50.0000	44.6770	10.6	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL029.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL029.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 02:52
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1179.7417	18.0	20.0	
486539264 Aroclor-1260	1000.0000	1113.5465	11.4	20.0	
570425344 Decachlorobiphenyl	50.0000	47.4595	5.1	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL029.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL029.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 02:52
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1086.1207	8.6	20.0
486539264 Aroclor-1260	1000.0000	986.7983	1.3	20.0
570425344 Decachlorobiphenyl	50.0000	43.6275	12.7	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL038.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL038.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 05:32
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1153.1006	15.3	20.0	
486539264 Aroclor-1260	1000.0000	1023.6039	2.4	20.0	
570425344 Decachlorobiphenyl	50.0000	42.3924	15.2	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL038.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL038.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 05:32
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1107.9723	10.8	20.0	
486539264 Aroclor-1260	1000.0000	896.1774	10.4	20.0	
570425344 Decachlorobiphenyl	50.0000	38.4000	23.2	20.0	<-

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL045.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL045.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 07:36
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1037.1206	3.7	20.0	
486539264 Aroclor-1260	1000.0000	1114.3417	11.4	20.0	
570425344 Decachlorobiphenyl	50.0000	46.0148	8.0	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL045.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL045.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 07:36
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1112.4552	11.2	20.0	
486539264 Aroclor-1260	1000.0000	1020.3822	2.0	20.0	
570425344 Decachlorobiphenyl	50.0000	42.8798	14.2	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL052.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL052.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 09:39
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1028.6486	2.9	20.0
486539264 Aroclor-1260	1000.0000	1027.7180	2.8	20.0
570425344 Decachlorobiphenyl	50.0000	43.0078	14.0	20.0

4. Laboratory Control Samples/Duplicates

a. ID of LCS: TALSTL

b. Indicate out of control compounds in the following table: NONE

LCS ID	Spike compound	LCS %R	LCSD %R	%RPD	Action

Action: NO ACTION

5. Field duplicate/Laboratory Duplicate

a. Is a field/lab duplicate present? Y N Field Lab

b. If so, complete the following table:

Detected Analyte	Original Sample ID, conc	Duplicate Sample ID, conc	%D	Action

6. Method Blanks/Instrument Blanks/Clean-up Blanks

a. Are Form 4's present? (Y) N

b. Are all samples presented? (Y) N

c. Are blanks present for every matrix? (Y) N

d. Are there common analytes present? Y (N)

e. List blanks: F8J050000-016 ALL ND

f. List blanks and contaminants detected in the table below:

Method/Instr Blank ID	Contaminant detected	Concentration of contaminant	Associated samples	Action
				NO ACTION

Reviewed by/Date G. Darnell 6-16-09 John Bennett 6/30/09

QA concurrence/Date:_____

7. **Field Blanks**

a. List field blanks: N/A

b. Any contaminants detected? Y N If so, list in table below:

Field Blank ID	Contaminant detected	Concentration of contaminant	Associated samples	Action
				No ACTION

8. **Initial Calibration Multicomponent Analytes**

a. Were they properly calibrated? (Y) N _____

b. Is there a Pest-3 Form 6 for the initial calibration? Y N

c. Was 0.07 min used for the retention time (RT) window of the multicomponents? Y N

d. Was a calibration factor determined for each peak of the analyte? Y N

e. Was the %RSD >___% Y N if so, list below:

Init cal date	Compound	%RSD	Affected samples

Action: No ACTION

9. **Continuing Calibration**

a. Is Form 7 present? Y N EQUIV.

b. Was the proper standard used? (Y) N

c. Was the %D >~~15~~ 20% for any calibrated compound? (Y) N If so, list below:

Cont. calibration date	Compound	%D	Affected samples	Action
10-9-08 5:32	DCB	23.2		COL B - NO ACTION DATA REPORTED FROM COL A.

Reviewed by/Date: G. Daswell 6-16-09

QA concurrence/Date:_____

10. Instrument Performance Check (Forms VI-4 and VI-5)

a. Is Form VI-4 present for Resolution Check Mixture (RCM)? Y N

b. Is the valley between adjacent peaks >60% of the shorter peak? Y N

c. Is there a Form VI-5 present for the Performance Evaluation Mixture? Y N

d. Is the % breakdown within the control limits? Y N If not, list below:

Date	Compound	Resolution >90%	% Breakdown	RT windows	Action

11. Calibration Verification(Forms VI-6 and VI-7)

a. Does an instrument blank and a PEM bracket one end of the 12-hr analysis period? Y N [if No, qualify all analyses in the period J/UJ]

b. Does a second instrument blank and the midpoint conc of the Ind A and IndB bracket the other end? Y N [If no, qualified all analyses in the period J/UJ]

c. Is the resolution of any two adjacent peaks of the midpoint conc std <90%? Y N [If no, qualify all analyses in period UJ/R/J

d. Is the absolute retention for each single component pesticide and surrogate within the retention time established? Y N [If no, J/UJ qualify]

e. Does the %D between calculated and true amount for each pesticide and surrogate >25%? If so, list:

Date	Compound	%D	Action

12. Compound Identification and Quantitation

Sample ID	Compound	Original Conc.	Calc chk	%D betw columns	Reported value/qualifier, comment
0304A (8)	AROCLOR 1254			2.8	=
0307A (11)	AROCLOR 1248			8.1	=
0314A (15)	AROCLOR 1242			9.4	=
0316A (17)	AROCLOR 1248			32.8	=
	AROCLOR 1254			28	=
	AROCLOR 1260			19.2	=
0317A (18)	AROCLOR 1248			0.3	=
	1254			3.4	=
	1260			8.2	=
0318A (19)	AROCLOR 1248			10.6	=

Reviewed by/Date: G. Darnell 6-16-09

QA concurrence/Date:_____

13. Pesticide Cleanup Checks

13a. Florisil cartridge cleanup

a. Does the documentation exist to support sample extract cleanup? Y N

a. Is the Lot check present? Y N Unk

b. INDA std recovered 80-120% Y N Unk

c. Any interfering peaks? Y N Unk

d. 2,4,5-trichlorophenol recovery <5% Y N Unk

13b. Gel permeation chromatography

a. Was GPC performed? Y N Unk

b. Has the GPC unit been checked within the last 7 days ? Y N Unk

c. Check mixtures recoveries within 80-120% Y N Unk

d. Aroclor pattern the same? Y N Unk

e. GPC blank run after each calibration? Y N Unk

f. GPC blank ≤1/2 CRQL ? Y N

14. System Performance

Check for and explain any of the following:

- Abrupt baseline shift
- High background ot RT shifts
- Baseline rise at high temps
- Loss of peak resolution
- Peak trailing or splitting

15. Overall Assessment/Comments

ACCEPT DATA AS QUALIFIED.

Reviewed by/Date: G. Darnell 6-16-09

QA concurrence/Date:_____

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 001

Sample WT/Vol: 30.2 / g
Work Order: KX2VT1AD
Dilution factor: 1
Moisture %:2.3

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/08/08

QC Batch: 8279016

Client Sample Id: 4102-0293A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

VQ
u

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	88	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 002

Sample WT/Vol: 30 / g
Work Order: KX2V01AD
Dilution factor: 1
Moisture %: 5.8

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/08/08

QC Batch: 8279016

Client Sample Id: 4102-0294A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	35	U	u
11104-28-2	Aroclor 1221	35	U	
11141-16-5	Aroclor 1232	35	U	
53469-21-9	Aroclor 1242	35	U	
12672-29-6	Aroclor 1248	35	U	
11097-69-1	Aroclor 1254	35	U	
11096-82-5	Aroclor 1260	35	U	

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	97	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 003

Sample WT/Vol: 30.3 / g
Work Order: KX2V41AD
Dilution factor: 1
Moisture %:2.0

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/08/08

QC Batch: 8279016

Client Sample Id: 4102-0295A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	
11141-16-5	Aroclor 1232	34	U	
53469-21-9	Aroclor 1242	34	U	
12672-29-6	Aroclor 1248	34	U	
11097-69-1	Aroclor 1254	34	U	
11096-82-5	Aroclor 1260	34	U	

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	93	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 004

Sample WT/Vol: 30 / g
Work Order: KX2V51AD
Dilution factor: 1
Moisture %: 2.2

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0296A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

VQ
u

G. Dorsell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	108	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 005

Sample WT/Vol: 30 / g
Work Order: KX2V71AD
Dilution factor: 1
Moisture %:1.9

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0301A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	u
11104-28-2	Aroclor 1221	34	U	
11141-16-5	Aroclor 1232	34	U	
53469-21-9	Aroclor 1242	34	U	
12672-29-6	Aroclor 1248	34	U	
11097-69-1	Aroclor 1254	34	U	
11096-82-5	Aroclor 1260	34	U	

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	111	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 006

Sample WT/Vol: 30 / g
Work Order: KX2WA1AD
Dilution factor: 1
Moisture %: 3.2

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0302A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

VQ

G. Dowell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	105	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 007

Sample WT/Vol: 30 / g
Work Order: KX2WC1AD
Dilution factor: 1
Moisture %: 0.54

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0303A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	33	U
11104-28-2	Aroclor 1221	33	U
11141-16-5	Aroclor 1232	33	U
53469-21-9	Aroclor 1242	33	U
12672-29-6	Aroclor 1248	33	U
11097-69-1	Aroclor 1254	33	U
11096-82-5	Aroclor 1260	33	U

VQ
u

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	96	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 008

Sample WT/Vol: 30 / g
Work Order: KX2WD1AD
Dilution factor: 1
Moisture %: 1.5

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0304A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	33	U	u
11104-28-2	Aroclor 1221	33	U	
11141-16-5	Aroclor 1232	33	U	
53469-21-9	Aroclor 1242	33	U	
12672-29-6	Aroclor 1248	33	U	
11097-69-1	**Aroclor 1254**	**110**		=
11096-82-5	Aroclor 1260	33	U	u

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	89	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 009

Sample WT/Vol: 30 / g
Work Order: KX2WE1AD
Dilution factor: 1
Moisture %:1.1

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0305A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	33	U
11104-28-2	Aroclor 1221	33	U
11141-16-5	Aroclor 1232	33	U
53469-21-9	Aroclor 1242	33	U
12672-29-6	Aroclor 1248	33	U
11097-69-1	Aroclor 1254	33	U
11096-82-5	Aroclor 1260	33	U

VQ
U

G. Dowell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	88	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 010

Sample WT/Vol: 30 / g
Work Order: KX2WF1AD
Dilution factor: 1
Moisture %:0.80

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0306A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	33	U	u
11104-28-2	Aroclor 1221	33	U	
11141-16-5	Aroclor 1232	33	U	
53469-21-9	Aroclor 1242	33	U	
12672-29-6	Aroclor 1248	33	U	
11097-69-1	Aroclor 1254	33	U	
11096-82-5	Aroclor 1260	33	U	

G. Dunell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	102	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 011

Sample WT/Vol: 30 / g
Work Order: KX2WG1AD
Dilution factor: 1
Moisture %: 1.6

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0307A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	↓
11141-16-5	Aroclor 1232	34	U	↓
53469-21-9	Aroclor 1242	34	U	↓
12672-29-6	**Aroclor 1248**	**520**		=
11097-69-1	Aroclor 1254	34	U	U
11096-82-5	Aroclor 1260	34	U	U

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	103	(57 - 150)

FORM I

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: F8J020194 012
Method: SW846 8082
PCBs (8082)

Sample WT/Vol: 30 / g Date Received: 10/02/08
Work Order: KX2WH1AD Date Extracted: 10/05/08
Dilution factor: 1 Date Analyzed: 10/09/08
Moisture %: 1.1

QC Batch: 8279016

Client Sample Id: 4102-0311A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	33	U
11104-28-2	Aroclor 1221	33	U
11141-16-5	Aroclor 1232	33	U
53469-21-9	Aroclor 1242	33	U
12672-29-6	Aroclor 1248	33	U
11097-69-1	Aroclor 1254	33	U
11096-82-5	Aroclor 1260	33	U

VQ
U

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	88	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 013

Sample WT/Vol: 30 / g
Work Order: KX2WJ1AD
Dilution factor: 1
Moisture %:0.89

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0312A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	33	U
11104-28-2	Aroclor 1221	33	U
11141-16-5	Aroclor 1232	33	U
53469-21-9	Aroclor 1242	33	U
12672-29-6	Aroclor 1248	33	U
11097-69-1	Aroclor 1254	33	U
11096-82-5	Aroclor 1260	33	U

VQ

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	116	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 014

Sample WT/Vol: 30 / g
Work Order: KX2WL1AD
Dilution factor: 1
Moisture %: 1.7

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0313A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	
11141-16-5	Aroclor 1232	34	U	
53469-21-9	Aroclor 1242	34	U	
12672-29-6	Aroclor 1248	34	U	
11097-69-1	Aroclor 1254	34	U	
11096-82-5	Aroclor 1260	34	U	

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	98	(57 - 150)

FORM I

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 015

Sample WT/Vol: 30 / g
Work Order: KX2WM1AD
Dilution factor: 1
Moisture %:4.0

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0314A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	↓
11141-16-5	Aroclor 1232	34	U	↓
53469-21-9	**Aroclor 1242**	**420**		=
12672-29-6	Aroclor 1248	34	U	U
11097-69-1	Aroclor 1254	34	U	↓
11096-82-5	Aroclor 1260	34	U	↓

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	74	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: F8J020194 016
Method: SW846 8082
PCBs (8082)

Sample WT/Vol: 30 / g Date Received: 10/02/08
Work Order: KX2WN1AD Date Extracted: 10/05/08
Dilution factor: 1 Date Analyzed: 10/09/08
Moisture %: 2.2

QC Batch: 8279016

Client Sample Id: 4102-0315A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	
11141-16-5	Aroclor 1232	34	U	
53469-21-9	Aroclor 1242	34	U	
12672-29-6	Aroclor 1248	34	U	
11097-69-1	Aroclor 1254	34	U	
11096-82-5	Aroclor 1260	34	U	

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	92	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 017

Sample WT/Vol: 30 / g
Work Order: KX2WP1AD
Dilution factor: 1
Moisture %:3.6

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0316A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	↓
11141-16-5	Aroclor 1232	34	U	↓
53469-21-9	Aroclor 1242	34	U	↓
12672-29-6	**Aroclor 1248**	**330**		=
11097-69-1	**Aroclor 1254**	**240**		=
11096-82-5	**Aroclor 1260**	**99**		=

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	85	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 018

Sample WT/Vol: 30.1 / g
Work Order: KX2WQ1AD
Dilution factor: 1
Moisture %: 2.4

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0317A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	**Aroclor 1248**	**310**	
11097-69-1	**Aroclor 1254**	**160**	
11096-82-5	**Aroclor 1260**	**56**	

VQ
4

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	84	(57 - 150)

FORM I

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 019

Sample WT/Vol: 30 / g
Work Order: KX2WR1AD
Dilution factor: 1
Moisture %:3.0

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0318A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	u
11104-28-2	Aroclor 1221	34	U	
11141-16-5	Aroclor 1232	34	U	
53469-21-9	Aroclor 1242	34	U	
12672-29-6	**Aroclor 1248**	**52**		=
11097-69-1	Aroclor 1254	34	U	u
11096-82-5	Aroclor 1260	34	U	u

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	86	(57 - 150)

FORM I

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 020

Sample WT/Vol: 30 / g
Work Order: KX2WT1AD
Dilution factor: 1
Moisture %: 1.9

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0322A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

VQ
U

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	94	(57 - 150)

Data Validation: PCBs

Project Name: YOUND **Number:** **QC Level:** D

Lab ID: TEST AMERICA **Report No.:** F8J020194

Number and Type of Samples: 20 ~~SEDD~~ SOIL

1. Holding Times

Field sample ID	Lab ID	Sampling date	Prep date(s)	Analysis date(s)	Holding time(days)	Comments/Cleanup/ Batch ID
4102-0293A-HO	001	9-29-08	10-5-08	10-8-08	3	8279016
-0294A-HO	002					
-0295A-HO	003					
0296A-HO	004			10-9-08	4	
0301A-HO	005					
0302A-HO	006					
0303A-HO	007					
0304A-HO	008					
0305A-HO	009					
CONT	1A					

Preservation: Have all the vials been received by the lab at 2-6 C? (Y) N

Recommended Action: NO ACTION

2. Surrogate Recovery—System Monitoring Compounds (SMC) 49

a. Is Form II present? (Y) N Equiv

b. Provide control limits for each surrogate spiked:

TCMX_____ DCB 57-150

c. Any sample runs with 1 or more surrogate recoveries outside control limits? Y (N)

d. Enter recoveries for each surrogate that is out of control:

Field Sample ID	TCMX		DCB	
	Col 1	Col 2	Col 1	Col 2

Action: NO ACTION

3. Matrix spike/Matrix spike duplicate

a. ID of sample used for MS/MSD: 4102-0293A-HO

b. Indicate out of control compounds in the following table: N/A

Spike compound	MS %R	MSD %R	%RPD	Action

Action: NO ACTION

Reviewed by/Date: G Darnell 6-16-09

QA concurrence/Date: [illegible] 6/30/09

3006XXXXXX-1004260001 1A

Field Activity Daily Log Continuation Sheet

Shaw® Shaw Environmental & Infrastructure, Inc.

DATE			
NO.			
SHEET		OF	

Project Name: Project No.

Field Activity Subject:

Description of Daily Activities and Events:

FIELD ID	LAB ID	SAMPLE DATE	PREP DATE	ANALYSIS DATE	HOLD
4102-0306A-HO ✓	010	9-29-08	10-5-08	10-9-08	4
-0307A-HO ✓	011				
-0311A-HO ✓	012				
0312A-HO ✓	013				
0313A-HO ✓	014				
0314A-HO ✓	015				
0315A-HO ✓	016				
0316A HO ✓	017				
0317A HO ✓	018				
0318A HO ✓	019				
0322A HO ✓	020				
		20C. ✓	✓	✓	✓

0.25 in x 0.25 in

Form Number: 140_1

Rev. 07-21-06

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F8J020189 194

- 273 -

Condition Upon Receipt Form

Client: ARC
Quote No: 74038
COC/RFA No: 7873, 7874, 7875, 7876
Initiated By: [illegible]
Date: 10.02.08
Time: 0900

Shipping Information

Shipper Name: FedEx
Shipping # (s):*
1. 7921 1758 4439
2.
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages Y (N)
Sample Temperature (s):**
1. 2
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N (N/A)	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	If N/A- Was pH taken by original TestAmerica lab?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	(Y) N	Sample received in proper containers?
6.	Y (N)	Was sample received broken?	13.	Y N (N/A)	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 10-7-8

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: F8J020194 **Work Order #...:** KX7031AA **Matrix.....:** SOLID
MB Lot-Sample #: F8J050000-016

Prep Date.....: 10/05/08 **Analysis Time..:** 21:49
Analysis Date..: 10/08/08 **Prep Batch #...:** 8279016
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	96	(57 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SW846 8082 SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Lot #: F8J020194

Extraction: XXA71QH01

	CLIENT ID.	SRG01	TOT OUT
01	4102-0293A-HO	88	00
02	4102-0294A-HO	97	00
03	4102-0295A-HO	93	00
04	4102-0296A-HO	108	00
05	4102-0301A-HO	111	00
06	4102-0302A-HO	105	00
07	4102-0303A-HO	96	00
08	4102-0304A-HO	89	00
09	4102-0305A-HO	88	00
10	4102-0306A-HO	102	00
11	4102-0307A-HO	103	00
12	4102-0311A-HO	88	00
13	4102-0312A-HO	116	00
14	4102-0313A-HO	98	00
15	4102-0314A-HO	74	00
16	4102-0315A-HO	92	00
17	4102-0316A-HO	85	00
18	4102-0317A-HO	84	00
19	4102-0318A-HO	86	00
20	4102-0322A-HO	94	00
21	METHOD BLK. KX7031AA	96	00
22	LCS KX7031AC	100	00
23	4102-0293A-HO D	101	00
24	4102-0293A-HO S	97	00

SURROGATES		QC LIMITS
SRG01	= Decachlorobiphenyl	(57-150)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Matrix Spike ID: 4102-0293A-HO Level:(low/med) LOW

Lot #: F8J020194 WO #: KX2VT1AE
BATCH: 8279016

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	171	ND	173	102	53- 150	
Aroclor 1260	171	ND	177	104	38- 150	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Matrix Spike ID: 4102-0293A-HO Level:(low/med) LOW

Lot #: F8J020194 WO #: KX2VT1AF
BATCH: 8279016

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Aroclor 1016	171	156	91	11	30	53- 150	
Aroclor 1260	171	180	106	1.8	30	38- 150	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Lot #: F8J050000 WO #: KX7031AC
BATCH: 8279016

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	167	178	107	76- 133	
Aroclor 1260	167	175	105	78- 131	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.
KX7031AA

SW846 8082 METHOD BLANK SUMMARY

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALSTL

SDG Number:

Lab File ID: MBLK012.

Lot Number: F8J020194

Matrix: SOLID

Extraction Method: 3550B/3665A

Date Extracted: 10/05/08

Date Analyzed(1): 10/08/08

Date Analyzed(2): N/A

Time Analyzed(1): 21:49

Time Analyzed(2): N/A

Instrument ID(1): GCM

Instrument ID(2): N/A

GC Column(1): RTX-CLP ID: 053 GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED(1)	DATE ANALYZED(2)
01	4102-0293A-HO	KX2VT1AD	10/08/08	N/A
02	4102-0293A-HO	KX2VT1AE S	10/08/08	N/A
03	4102-0293A-HO	KX2VT1AF D	10/08/08	N/A
04	4102-0294A-HO	KX2V01AD	10/08/08	N/A
05	4102-0295A-HO	KX2V41AD	10/08/08	N/A
06	4102-0296A-HO	KX2V51AD	10/09/08	N/A
07	4102-0301A-HO	KX2V71AD	10/09/08	N/A
08	4102-0302A-HO	KX2WA1AD	10/09/08	N/A
09	4102-0303A-HO	KX2WC1AD	10/09/08	N/A
10	4102-0304A-HO	KX2WD1AD	10/09/08	N/A
11	4102-0305A-HO	KX2WE1AD	10/09/08	N/A
12	4102-0306A-HO	KX2WF1AD	10/09/08	N/A
13	4102-0307A-HO	KX2WG1AD	10/09/08	N/A
14	4102-0311A-HO	KX2WH1AD	10/09/08	N/A
15	4102-0312A-HO	KX2WJ1AD	10/09/08	N/A
16	4102-0313A-HO	KX2WL1AD	10/09/08	N/A
17	4102-0314A-HO	KX2WM1AD	10/09/08	N/A
18	4102-0315A-HO	KX2WN1AD	10/09/08	N/A
19	4102-0316A-HO	KX2WP1AD	10/09/08	N/A
20	4102-0317A-HO	KX2WQ1AD	10/09/08	N/A
21	4102-0318A-HO	KX2WR1AD	10/09/08	N/A
22	4102-0322A-HO	KX2WT1AD	10/09/08	N/A
23	CHECK SAMPLE	KX7031AC C	10/08/08	N/A

COMMENTS:

FORM IV

TestAmerica St. Louis

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Shaw E & I Inc SAMPLE NO.

4102-0304A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WD1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.92	3.83	4.01	104.5		
Aroclor-1254	2	4.17	4.07	4.25	109.5		
	3	4.53	4.44	4.62	122.0		
COLUMN 1	4	4.96	4.87	5.05	95.82		
	5	5.22	5.12	5.30	107.0	107.8	
	1	5.28	5.19	5.37	123.6		
	2	5.83	5.73	5.91	101.7		
	3	6.00	5.91	6.09	89.50		
COLUMN 2	4						
	5					104.9	2.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

TestAmerica St. Louis

Shaw E & I Inc SAMPLE NO.

4102-0307A-HO

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WG1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.08	2.99	3.17	487.9		
Aroclor-1248	2	3.57	3.48	3.66	483.9		
	3	3.99	3.89	4.07	479.7		
COLUMN 1	4	4.17	4.07	4.25	577.6		
	5					507.3	
	1	4.05	3.95	4.13	489.8		
	2	4.26	4.17	4.35	415.8		
	3	4.67	4.58	4.76	616.2		
COLUMN 2	4	4.89	4.79	4.97	672.1		
	5					548.5	8.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

TestAmerica St. Louis

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Shaw E & I Inc SAMPLE NO.

4102-0314A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WM1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	2.67	2.58	2.76	451.7		
Aroclor-1242	2	2.85	2.76	2.94	443.6		
	3	3.08	2.99	3.17	412.7		
COLUMN 1	4	3.99	3.89	4.07	414.3		
	5	4.17	4.07	4.25	282.2	400.9	
	1	3.24	3.15	3.33	360.2		
	2	3.48	3.38	3.56	402.9		
	3	3.69	3.59	3.77	380.9		
COLUMN 2	4	4.67	4.58	4.76	350.2		
	5	4.89	4.79	4.97	337.1	366.3	9.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

TestAmerica St. Louis

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Shaw E & I Inc SAMPLE NO.

4102-0316A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WP1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.08	2.99	3.17	222.4		
Aroclor-1248	2	3.57	3.48	3.66	335.0		
	3	4.17	4.07	4.25	387.8		
COLUMN 1	4						
	5					315.1	
	1	4.05	3.95	4.13	401.7		
	2	4.26	4.17	4.35	312.7		
	3	4.89	4.79	4.97	541.2		
COLUMN 2	4						
	5					418.6	32.8
	1	3.92	3.83	4.01	199.4		
Aroclor-1254	2	4.17	4.07	4.25	241.4		
	3	4.53	4.44	4.62	249.3		
COLUMN 1	4						
	5					230.0	
	1	5.29	5.19	5.37	296.6		
	2	5.83	5.73	5.91	202.1		
	3	6.01	5.91	6.09	210.8		
COLUMN 2	4						
	5					236.5	2.8
	1	4.70	4.61	4.79	178.0		
Aroclor-1260	2	5.85	5.75	5.93	53.39		
	3	6.69	6.59	6.77	54.70		
COLUMN 1	4						
	5					95.37	
	1	5.67	5.57	5.75	119.7		
	2	6.37	6.27	6.45	57.98		
	3	6.61	6.51	6.69	62.33		
COLUMN 2	4						
	5					79.99	19.2

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Shaw E & I Inc SAMPLE NO.

4102-0317A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WQ1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1248 COLUMN 1	1	3.08	2.99	3.17	272.5		
	2	3.57	3.48	3.66	265.6		
	3	3.99	3.89	4.07	356.4		
	4						
	5					298.1	
Aroclor-1248 COLUMN 2	1	4.05	3.95	4.13	283.2		
	2	4.26	4.17	4.35	241.8		
	3	4.67	4.58	4.76	366.8		
	4						
	5					297.3	0.3
Aroclor-1254 COLUMN 1	1	3.92	3.83	4.01	144.2		
	2	4.53	4.44	4.62	159.0		
	3	5.22	5.12	5.30	165.1		
	4						
	5					156.1	
Aroclor-1254 COLUMN 2	1	5.28	5.19	5.37	186.1		
	2	5.83	5.73	5.91	149.2		
	3	6.01	5.91	6.09	149.0		
	4						
	5					161.4	3.4
Aroclor-1260 COLUMN 1	1	4.70	4.61	4.79	84.76		
	2	5.85	5.75	5.93	34.41		
	3	6.69	6.59	6.77	45.96		
	4						
	5					55.04	
Aroclor-1260 COLUMN 2	1	5.67	5.57	5.75	79.99		
	2	6.37	6.27	6.45	35.04		
	3	6.60	6.51	6.69	37.54		
	4						
	5					50.86	8.2

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

TestAmerica St. Louis

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Shaw E & I Inc SAMPLE NO.

4102-0318A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8J020194

Lab Sample ID: KX2WR1AD Date(s) Analyzed: 10/09/08 10/09/08

Instrument ID (1): GCM Instrument ID (2): GCM

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.08	2.99	3.17	45.39		
Aroclor-1248	2	3.57	3.48	3.66	55.99		
	3	3.99	3.89	4.07	47.30		
COLUMN 1	4	4.17	4.07	4.25	38.60		
	5	4.53	4.44	4.62	63.63	50.18	
	1	4.05	3.95	4.13	50.21		
	2	4.26	4.17	4.35	43.56		
	3	4.67	4.58	4.76	47.98		
COLUMN 2	4	4.89	4.79	4.97	41.72		
	5	5.28	5.19	5.37	43.35	45.36	10.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

Report Date : 02-Oct-2008 11:43 Page 1

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 02-OCT-2008 04:57
End Cal Date : 02-OCT-2008 09:05
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Last Edit : 02-Oct-2008 11:43 target
Curve Type : Average

Calibration File Names:
Level 1: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL745.D
Level 2: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL746.D
Level 3: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL747.D
Level 4: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL759.D
Level 5: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL749.D
Level 6: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL750.D
Level 7: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL751.D
Level 8: \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\MCAL752.D

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
22 Aroclor-1016(1)	4871	4754	4354	4001	4080	3944			
	3583	3363					4119	12.750	
(2)	8875	8877	8227	7626	7799	7626			
	6729	6267					7753	11.978	
(3)	18410	19119	18207	17646	18059	17611			
	16313	15224					17574	7.080	
(4)	7009	7145	6689	6339	6627	6615			
	5880	5474					6472	8.655	
(5)	7270	7404	6961	6591	6914	6909			
	6205	5856					6764	7.724	
23 Aroclor-1221(1)	+++++	+++++	+++++	1545	+++++	+++++			
	+++++	+++++					1545	0.000	<-
(2)	+++++	+++++	+++++	2150	+++++	+++++			
	+++++	+++++					2150	0.000	<-
(3)	+++++	+++++	+++++	5461	+++++	+++++			
	+++++	+++++					5461	0.000	<-

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 02-OCT-2008 04:57
End Cal Date : 02-OCT-2008 09:05
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Last Edit : 02-Oct-2008 11:43 target
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
24 Aroclor-1232(1)	+++++ / +++++	+++++ / +++++	+++++	4272	+++++	+++++	4272	0.000	<-
(2)	+++++ / +++++	+++++ / +++++	+++++	3640	+++++	+++++	3640	0.000	<-
(3)	+++++ / +++++	+++++ / +++++	+++++	7760	+++++	+++++	7760	0.000	<-
(4)	+++++ / +++++	+++++ / +++++	+++++	2656	+++++	+++++	2656	0.000	<-
(5)	+++++ / +++++	+++++ / +++++	+++++	2071	+++++	+++++	2071	0.000	<-
25 Aroclor-1242(1)	+++++ / +++++	+++++ / +++++	+++++	6055	+++++	+++++	6055	0.000	<-
(2)	+++++ / +++++	+++++ / +++++	+++++	4345	+++++	+++++	4345	0.000	<-
(3)	+++++ / +++++	+++++ / +++++	+++++	13590	+++++	+++++	13590	0.000	<-
(4)	+++++ / +++++	+++++ / +++++	+++++	4949	+++++	+++++	4949	0.000	<-
(5)	+++++ / +++++	+++++ / +++++	+++++	4551	+++++	+++++	4551	0.000	<-
26 Aroclor-1248(1)	+++++ / +++++	+++++ / +++++	+++++	8433	+++++	+++++	8433	0.000	<-

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 02-OCT-2008 04:57
End Cal Date : 02-OCT-2008 09:05
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Last Edit : 02-Oct-2008 11:43 target
Curve Type : Average

Compound	50.000 Level 1	100.000 Level 2	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
	2500.000 Level 7	4000.000 Level 8							
(2)	+++++	+++++	+++++	7113	+++++	+++++			
	+++++	+++++					7113	0.000	<-
(3)	+++++	+++++	+++++	8036	+++++	+++++			
	+++++	+++++					8036	0.000	<-
(4)	+++++	+++++	+++++	7832	+++++	+++++			
	+++++	+++++					7832	0.000	<-
(5)	+++++	+++++	+++++	3660	+++++	+++++			
	+++++	+++++					3660	0.000	<-
27 Aroclor-1254(1)	+++++	+++++	+++++	6295	+++++	+++++			
	+++++	+++++					6295	0.000	<-
(2)	+++++	+++++	+++++	12583	+++++	+++++			
	+++++	+++++					12583	0.000	<-
(3)	+++++	+++++	+++++	11346	+++++	+++++			
	+++++	+++++					11346	0.000	<-
(4)	+++++	+++++	+++++	9166	+++++	+++++			
	+++++	+++++					9166	0.000	<-
(5)	+++++	+++++	+++++	13201	+++++	+++++			
	+++++	+++++					13201	0.000	<-
28 Aroclor-1260(1)	9993	10006	9470	9041	9300	9191			
	8404	7891					9162	7.957	
(2)	14870	15072	14345	13852	14018	13654			
	12706	11842					13795	7.829	

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 02-OCT-2008 04:57
End Cal Date : 02-OCT-2008 09:05
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Last Edit : 02-Oct-2008 11:43 target
Curve Type : Average

Compound	50.000 Level 1	100.000 Level 2	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
	2500.000 Level 7	4000.000 Level 8							
(3)	15196	15589	15067	14747	14969	14730			
	13915	13116					14666	5.383	
(4)	20012	20549	20218	19810	19978	19416			
	18619	17604					19526	4.963	
(5)	5132	5355	5160	5020	5030	4818			
	4750	4503					4971	5.413	
35 Aroclor-1262(1)	+++++	+++++	+++++	6816	+++++	+++++			
	+++++	+++++					6816	0.000	<-
(2)	+++++	+++++	+++++	8946	+++++	+++++			
	+++++	+++++					8946	0.000	<-
(3)	+++++	+++++	+++++	11476	+++++	+++++			
	+++++	+++++					11476	0.000	<-
(4)	+++++	+++++	+++++	20900	+++++	+++++			
	+++++	+++++					20900	0.000	<-
(5)	+++++	+++++	+++++	9030	+++++	+++++			
	+++++	+++++					9030	0.000	<-
36 Aroclor-1268(1)	+++++	+++++	+++++	25064	+++++	+++++			
	+++++	+++++					25064	0.000	<-
(2)	+++++	+++++	+++++	27150	+++++	+++++			
	+++++	+++++					27150	0.000	<-
(3)	+++++	+++++	+++++	17765	+++++	+++++			
	+++++	+++++					17765	0.000	<-

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 02-OCT-2008 04:57
End Cal Date : 02-OCT-2008 09:05
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Last Edit : 02-Oct-2008 11:43 target
Curve Type : Average

Compound	50.000 Level 1 2500.000 Level 7	100.000 Level 2 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
(4)	+++++ +++++	+++++ +++++	+++++	8976	+++++	+++++	8976	0.000	<-
(5)	+++++ +++++	+++++ +++++	+++++	51074	+++++	+++++	51074	0.000	<-
M 37 PCB (Total)	+++++ +++++	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 32 Decachlorobiphenyl	178582 129888	180611 143481	136870	164242	161472	155066	155776	12.475	

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m
Quant Method : ESTD Target Version : 4.14
Last Update : 02-Oct-2008 14:52 Number of Cpnds : 11
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	500.000000
Initial:End Threshold	30.000000
Initial:Area Threshold	100.000000
Initial:P-P Resolution	2.000000
Initial:Bunch Factor	0.000000
Initial:Negative Peaks	OFF
Initial:Tension	0.200000
0.000:Integrator OFF	n/a
1.200:Integrator ON	n/a
8.000:Integrator OFF	n/a

Compound	RT	RT Window	RF
22 Aroclor-1016	2.366	2.276-2.456	4.12e+003
	2.666	2.576-2.756	7.75e+003
	3.076	2.986-3.166	1.76e+004
	3.196	3.106-3.286	6.47e+003
	3.568	3.478-3.658	6.76e+003
23 Aroclor-1221	1.700	1.610-1.790	1.55e+003
	2.211	2.121-2.301	2.15e+003
	2.366	2.276-2.456	5.46e+003
24 Aroclor-1232	2.365	2.275-2.455	4.27e+003
	2.665	2.575-2.755	3.64e+003
	3.077	2.987-3.167	7.76e+003
	3.980	3.890-4.070	2.66e+003
	4.164	4.074-4.254	2.07e+003
25 Aroclor-1242	2.667	2.577-2.757	6.06e+003
	2.845	2.755-2.935	4.35e+003
	3.077	2.987-3.167	1.36e+004
	3.982	3.892-4.072	4.95e+003
	4.163	4.073-4.253	4.55e+003
26 Aroclor-1248	3.078	2.988-3.168	8.43e+003
	3.570	3.480-3.660	7.11e+003
	3.980	3.890-4.070	8.04e+003
	4.163	4.073-4.253	7.83e+003
	4.528	4.438-4.618	3.66e+003
27 Aroclor-1254	3.918	3.828-4.008	6.30e+003
	4.160	4.070-4.250	1.26e+004
	4.526	4.436-4.616	1.13e+004
	4.956	4.866-5.046	9.17e+003
	5.215	5.125-5.305	1.32e+004

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002A.b\8082A.m

	Compound	RT	RT Window	RF
	28 Aroclor-1260	4.696	4.606-4.786	9.16e+003
		4.956	4.866-5.046	1.38e+004
		5.214	5.124-5.304	1.47e+004
		5.838	5.748-5.928	1.95e+004
		6.678	6.588-6.768	4.97e+003
	35 Aroclor-1262	4.696	4.606-4.786	6.82e+003
		4.956	4.866-5.046	8.95e+003
		5.321	5.231-5.411	1.15e+004
		5.838	5.748-5.928	2.09e+004
		6.133	6.043-6.223	9.03e+003
	36 Aroclor-1268	6.132	6.042-6.222	2.51e+004
		6.168	6.078-6.258	2.72e+004
		6.347	6.257-6.437	1.78e+004
		6.677	6.587-6.767	8.98e+003
		6.942	6.852-7.032	5.11e+004
M	37 PCB (Total)	1.000	0.920-1.080	
$	32 Decachlorobiphenyl	7.116	7.026-7.206	1.56e+005

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 02-OCT-2008 04:57
End Cal Date : 02-OCT-2008 09:05
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002B.b\8082B.m
Last Edit : 02-Oct-2008 14:29 target
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD
24 Aroclor-1232(1)	+++++	++-++	+++++	14418	+++++	+++++		
	+++++	++-++					14418	0.000
(2)	+++++	+++++	+++++	12125	+++++	+++++		
	+++++	+++++					12125	0.000
(3)	+++++	+++++	+++++	25435	+++++	+++++		
	+++++	+++++					25435	0.000
(4)	-++++	-++++	+++++	8476	+++++	+++++		
	-++++	+++++					8476	0.000
(5)	+++++	+++++	+++++	9447	+++++	+++++		
	+++++	+++++					9447	0.000
25 Aroclor-1242(1)	+++++	+++++	+++++	21224	+++++	+++++		
	+++++	+++++					21224	0.000
(2)	+++++	+++++	+++++	9604	+++++	+++++		
	+++++	+++++					9604	0.000
(3)	+++++	+++++	+++++	42772	+++++	+++++		
	+++++	+++++					42772	0.000
(4)	+++++	+++++	+++++	16039	+++++	+++++		
	+++++	+++++					16039	0.000
(5)	+++++	+++++	+++++	15944	+++++	+++++		
	+++++	+++++					15944	0.000
26 Aroclor-1248(1)	+++++	+++++	+++++	12761	+++++	+++++		
	+++++	+++++					12761	0.000

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 02-OCT-2008 04:57
End Cal Date : 02-OCT-2008 09:05
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002B.b\8082B.m
Last Edit : 02-Oct-2008 14:29 target
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD
(2)	+++++	+++++	+++++	18593	+++++	+++++		
	+++++	+++++					18592	0.000
(3)	+++++	+++++	+++++	25052	+++++	+++++		
	+++++	+++++					25052	0.000
(4)	+++++	+++++	+++++	24232	+++++	+++++		
	+++++	+++++					24232	0.000
(5)	+++++	+++++	+++++	13342	+++++	+++++		
	+++++	+++++					13342	0.000
27 Aroclor-1254(1)	+++++	+++++	+++++	24382	+++++	+++++		
	+++++	+++++					24382	0.000
(2)	+++++	+++++	+++++	26697	+++++	+++++		
	+++++	+++++					26697	0.000
(3)	+++++	+++++	+++++	38412	+++++	+++++		
	+++++	+++++					38412	0.000
(4)	+++++	+++++	+++++	34607	+++++	+++++		
	+++++	+++++					34607	0.000
(5)	+++++	+++++	+++++	43000	+++++	+++++		
	+++++	+++++					43000	0.000
28 Aroclor-1260(1)	37256	35694	33093	30898	31195	30546		
	27713	25768					31520	12.100
(2)	41639	40978	38036	35895	35618	34471		
	32019	29640					36037	11.465

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 02-OCT-2008 04:57
End Cal Date : 02-OCT-2008 09:05
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002B.b\8082B.m
Last Edit : 02-Oct-2008 14:29 target
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD
(3)	38679	38187	35893	33973	34647	34025		
	31418	29347					34521	9.133
(4)	33411	33148	31380	29910	30301	29637		
	27555	25801					30143	8.608
(5)	67887	69386	66338	64265	63887	61585		
	58651	55079					63385	7.559
35 Aroclor-1262(1)	+++++	+++++	+++++	23546	+++++	+++++		
	+++++	+++++					23546	0.000
(2)	+++++	+++++	+++++	25889	+++++	+++++		
	+++++	+++++					25889	0.000
(3)	+++++	+++++	+++++	36276	+++++	+++++		
	+++++	+++++					36276	0.000
(4)	+++++	+++++	+++++	65983	+++++	+++++		
	+++++	+++++					65983	0.000
(5)	+++++	+++++	+++++	48595	+++++	+++++		
	+++++	+++++					48595	0.000
36 Aroclor-1268(1)	+++++	+++++	+++++	81697	+++++	+++++		
	+++++	+++++					81697	0.000
(2)	+++++	+++++	+++++	86306	+++++	+++++		
	+++++	+++++					86306	0.000
(3)	+++++	+++++	+++++	57502	+++++	+++++		
	+++++	+++++					57502	0.000

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 02-OCT-2008 04:57
End Cal Date : 02-OCT-2008 09:05
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002B.b\8082B.m
Last Edit : 02-Oct-2008 14:29 target
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
(4)	+++++	+++++	+++++	28181	+++++	+++++			
	+++++	+++++					28181	0.000	
(5)	+++++	+++++	+++++	160965	+++++	+++++			
	+++++	+++++					160965	0.000	
M 37 PCB (Total)	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
$ 32 Decachlorobiphenyl	545152	546632	410646	494048	490581	474580			
	386205	439107					473369	12.357	

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002B.b\8082B.m
Quant Method : ESTD Target Version : 4.14
Last Update : 02-Oct-2008 14:56 Number of Cpnds : 11
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	500.000000
Initial:End Threshold	30.000000
Initial:Area Threshold	100.000000
Initial:P-P Resolution	2.000000
Initial:Bunch Factor	0.000000
Initial:Negative Peaks	OFF
Initial:Tension	0.200000
0.000:Integrator OFF	n/a
1.800:Integrator ON	n/a
9.000:Integrator OFF	n/a

Compound	RT	RT Window	RF
22 Aroclor-1016	2.850	2.760-2.940	1.37e+004
	3.238	3.148-3.328	2.72e+004
	3.680	3.590-3.770	5.53e+004
	3.908	3.818-3.998	1.81e+004
	4.258	4.168-4.348	1.73e+004
23 Aroclor-1221	1.993	1.903-2.083	5.15e+003
	2.660	2.570-2.750	7.85e+003
	2.850	2.760-2.940	1.80e+004
24 Aroclor-1232	2.849	2.759-2.939	1.44e+004
	3.237	3.147-3.327	1.21e+004
	3.679	3.589-3.769	2.54e+004
	4.666	4.576-4.756	8.48e+003
	4.882	4.792-4.972	9.45e+003
25 Aroclor-1242	3.242	3.152-3.332	2.12e+004
	3.472	3.382-3.562	9.60e+003
	3.679	3.589-3.769	4.28e+004
	4.665	4.575-4.755	1.60e+004
	4.884	4.794-4.974	1.59e+004
26 Aroclor-1248	4.043	3.953-4.133	1.28e+004
	4.260	4.170-4.350	1.86e+004
	4.667	4.577-4.757	2.51e+004
	4.885	4.795-4.975	2.42e+004
	5.280	5.190-5.370	1.33e+004
27 Aroclor-1254	4.660	4.570-4.750	2.44e+004
	4.842	4.752-4.932	2.67e+004
	5.280	5.190-5.370	3.84e+004
	5.822	5.732-5.912	3.46e+004
	6.000	5.910-6.090	4.30e+004

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcm.i\M081002B.b\8082B.m

	Compound	RT	RT Window	RF
	28 Aroclor-1260	5.463	5.373-5.553	3.15e+004
		5.661	5.571-5.751	3.60e+004
		5.815	5.725-5.905	3.45e+004
		6.363	6.273-6.453	3.01e+004
		6.598	6.508-6.688	6.34e+004
	35 Aroclor-1262	5.465	5.375-5.555	2.35e+004
		5.662	5.572-5.752	2.59e+004
		6.085	5.995-6.175	3.63e+004
		6.598	6.508-6.688	6.60e+004
		6.938	6.848-7.028	4.86e+004
	36 Aroclor-1268	6.935	6.845-7.025	8.17e+004
		6.980	6.890-7.070	8.63e+004
		7.219	7.129-7.309	5.75e+004
		7.484	7.394-7.574	2.82e+004
		7.792	7.702-7.882	1.61e+005
M	37 PCB (Total)	1.000	0.920-1.080	
$	32 Decachlorobiphenyl	8.036	7.946-8.126	4.73e+005

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL978.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL978.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 11:48
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1129.2505	12.9	20.0
486539264 Aroclor-1260	1000.0000	1119.0322	11.9	20.0
570425344 Decachlorobiphenyl	50.0000	50.7646	1.5	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL978.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL978.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 11:48
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1090.0771	9.0	20.0	
486539264 Aroclor-1260	1000.0000	1078.4272	7.8	20.0	
570425344 Decachlorobiphenyl	50.0000	47.1988	5.6	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL985.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL985.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 13:52
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1095.8398	9.6	20.0
486539264 Aroclor-1260	1000.0000	1099.5647	10.0	20.0
570425344 Decachlorobiphenyl	50.0000	49.2788	1.4	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL985.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL985.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 13:52
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1048.4582	4.8	20.0	
486539264 Aroclor-1260	1000.0000	1085.5329	8.6	20.0	
570425344 Decachlorobiphenyl	50.0000	46.7595	6.5	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL996.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL996.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 17:07
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1139.8513	14.0	20.0
486539264 Aroclor-1260	1000.0000	1141.2773	14.1	20.0
570425344 Decachlorobiphenyl	50.0000	52.1927	4.4	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL996.D
Report Date: 10/08/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL996.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 17:07
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1103.7777	10.4	20.0
486539264 Aroclor-1260	1000.0000	1060.2078	6.0	20.0
570425344 Decachlorobiphenyl	50.0000	49.2186	1.6	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL007.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL007.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 20:20
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1137.3379	13.7	20.0
486539264 Aroclor-1260	1000.0000	1067.3971	6.7	20.0
570425344 Decachlorobiphenyl	50.0000	48.2568	3.5	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL007.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL007.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 20:20
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1056.1036	5.6	20.0
486539264 Aroclor-1260	1000.0000	1005.8257	0.6	20.0
570425344 Decachlorobiphenyl	50.0000	46.4529	7.1	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL018.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL018.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 23:35
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1173.3140	17.3	20.0
486539264 Aroclor-1260	1000.0000	1141.4488	14.1	20.0
570425344 Decachlorobiphenyl	50.0000	48.6250	2.7	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL018.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL018.D
Analysis Type: SOIL

Injection Date: 08-OCT-2008 23:35
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1142.5932	14.3	20.0
486539264 Aroclor-1260	1000.0000	1038.2211	3.8	20.0
570425344 Decachlorobiphenyl	50.0000	44.6770	10.6	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL029.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL029.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 02:52
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1179.7417	18.0	20.0	
486539264 Aroclor-1260	1000.0000	1113.5465	11.4	20.0	
570425344 Decachlorobiphenyl	50.0000	47.4595	5.1	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL029.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL029.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 02:52
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1086.1207	8.6	20.0
486539264 Aroclor-1260	1000.0000	986.7983	1.3	20.0
570425344 Decachlorobiphenyl	50.0000	43.6275	12.7	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL038.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL038.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 05:32
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1153.1006	15.3	20.0	
486539264 Aroclor-1260	1000.0000	1023.6039	2.4	20.0	
570425344 Decachlorobiphenyl	50.0000	42.3924	15.2	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL038.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL038.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 05:32
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1107.9723	10.8	20.0	
486539264 Aroclor-1260	1000.0000	896.1774	10.4	20.0	
570425344 Decachlorobiphenyl	50.0000	38.4000	23.2	20.0	<-

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL045.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL045.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 07:36
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1037.1206	3.7	20.0	
486539264 Aroclor-1260	1000.0000	1114.3417	11.4	20.0	
570425344 Decachlorobiphenyl	50.0000	46.0148	8.0	20.0	

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b/MCAL045.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL045.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 07:36
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1112.4552	11.2	20.0
486539264 Aroclor-1260	1000.0000	1020.3822	2.0	20.0
570425344 Decachlorobiphenyl	50.0000	42.8798	14.2	20.0

Data File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b/MCAL052.D
Report Date: 10/09/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcm.i
Lab File ID: MCAL052.D
Analysis Type: SOIL

Injection Date: 09-OCT-2008 09:39
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcm.i\M081008A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1028.6486	2.9	20.0
486539264 Aroclor-1260	1000.0000	1027.7180	2.8	20.0
570425344 Decachlorobiphenyl	50.0000	43.0078	14.0	20.0

4. Laboratory Control Samples/Duplicates

a. ID of LCS: TALSTL

b. Indicate out of control compounds in the following table: NONE

LCS ID	Spike compound	LCS %R	LCSD %R	%RPD	Action

Action: NO ACTION

5. Field duplicate/Laboratory Duplicate

a. Is a field/lab duplicate present? Y N Field Lab

b. If so, complete the following table:

Detected Analyte	Original Sample ID, conc	Duplicate Sample ID, conc	%D	Action

6. Method Blanks/Instrument Blanks/Clean-up Blanks

a. Are Form 4's present? (Y) N

b. Are all samples presented? (Y) N

c. Are blanks present for every matrix? (Y) N

d. Are there common analytes present? Y (N)

e. List blanks: F8J050000-016 ALL ND

f. List blanks and contaminants detected in the table below:

Method/Instr Blank ID	Contaminant detected	Concentration of contaminant	Associated samples	Action
				NO ACTION

Reviewed by/Date G. Darnell 6-16-09 John Bennett 6/30/09

QA concurrence/Date:_____

7. **Field Blanks**

a. List field blanks: N/A

b. Any contaminants detected? Y N If so, list in table below:

Field Blank ID	Contaminant detected	Concentration of contaminant	Associated samples	Action
				No ACTION

8. **Initial Calibration Multicomponent Analytes**

a. Were they properly calibrated? (Y) N _____

b. Is there a Pest-3 Form 6 for the initial calibration? Y N

c. Was 0.07 min used for the retention time (RT) window of the multicomponents? Y N

d. Was a calibration factor determined for each peak of the analyte? Y N

e. Was the %RSD >___% Y N if so, list below:

Init cal date	Compound	%RSD	Affected samples

Action: No ACTION

9. **Continuing Calibration**

a. Is Form 7 present? Y N EQUIV.

b. Was the proper standard used? (Y) N

c. Was the %D >~~15~~ 20% for any calibrated compound? (Y) N If so, list below:

Cont. calibration date	Compound	%D	Affected samples	Action
10-9-08 5:32	DCB	23.2		COL B - NO ACTION DATA REPORTED FROM COL A.

Reviewed by/Date: G. Daswell 6-16-09

QA concurrence/Date:_____

10. Instrument Performance Check (Forms VI-4 and VI-5)

a. Is Form VI-4 present for Resolution Check Mixture (RCM)? Y N

b. Is the valley between adjacent peaks >60% of the shorter peak? Y N

c. Is there a Form VI-5 present for the Performance Evaluation Mixture? Y N

d. Is the % breakdown within the control limits? Y N If not, list below:

Date	Compound	Resolution >90%	% Breakdown	RT windows	Action

11. Calibration Verification(Forms VI-6 and VI-7)

a. Does an instrument blank and a PEM bracket one end of the 12-hr analysis period? Y N [if No, qualify all analyses in the period J/UJ]

b. Does a second instrument blank and the midpoint conc of the Ind A and IndB bracket the other end? Y N [If no, qualified all analyses in the period J/UJ]

c. Is the resolution of any two adjacent peaks of the midpoint conc std <90%? Y N [If no, qualify all analyses in period UJ/R/J

d. Is the absolute retention for each single component pesticide and surrogate within the retention time established? Y N [If no, J/UJ qualify]

e. Does the %D between calculated and true amount for each pesticide and surrogate >25%? If so, list:

Date	Compound	%D	Action

12. Compound Identification and Quantitation

Sample ID	Compound	Original Conc.	Calc chk	%D betw columns	Reported value/qualifier, comment
0304A (8)	AROCLOR 1254			2.8	=
0307A (11)	AROCLOR 1248			8.1	=
0314A (15)	AROCLOR 1242			9.4	=
0316A (17)	AROCLOR 1248			32.8	=
	AROCLOR 1254			28	=
	AROCLOR 1260			19.2	=
0317A (18)	AROCLOR 1248			0.3	=
	1254			3.4	=
	1260			8.2	=
0318A (19)	AROCLOR 1248			10.6	=

Reviewed by/Date: G. Darnell 6-16-09

QA concurrence/Date:_____

13. Pesticide Cleanup Checks

13a. Florisil cartridge cleanup

a. Does the documentation exist to support sample extract cleanup? Y N

a. Is the Lot check present? Y N Unk

b. INDA std recovered 80-120% Y N Unk

c. Any interfering peaks? Y N Unk

d. 2,4,5-trichlorophenol recovery <5% Y N Unk

13b. Gel permeation chromatography

a. Was GPC performed? Y N Unk

b. Has the GPC unit been checked within the last 7 days ? Y N Unk

c. Check mixtures recoveries within 80-120% Y N Unk

d. Aroclor pattern the same? Y N Unk

e. GPC blank run after each calibration? Y N Unk

f. GPC blank ≤1/2 CRQL ? Y N

14. System Performance

Check for and explain any of the following:

- Abrupt baseline shift
- High background ot RT shifts
- Baseline rise at high temps
- Loss of peak resolution
- Peak trailing or splitting

15. Overall Assessment/Comments

ACCEPT DATA AS QUALIFIED.

Reviewed by/Date: G. Darnell 6-16-09

QA concurrence/Date:_____

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 001

Sample WT/Vol: 30.2 / g
Work Order: KX2VT1AD
Dilution factor: 1
Moisture %:2.3

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/08/08

QC Batch: 8279016

Client Sample Id: 4102-0293A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

VQ
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G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	88	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 002

Sample WT/Vol: 30 / g
Work Order: KX2V01AD
Dilution factor: 1
Moisture %: 5.8

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/08/08

QC Batch: 8279016

Client Sample Id: 4102-0294A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	35	U	u
11104-28-2	Aroclor 1221	35	U	
11141-16-5	Aroclor 1232	35	U	
53469-21-9	Aroclor 1242	35	U	
12672-29-6	Aroclor 1248	35	U	
11097-69-1	Aroclor 1254	35	U	
11096-82-5	Aroclor 1260	35	U	

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	97	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 003

Sample WT/Vol: 30.3 / g
Work Order: KX2V41AD
Dilution factor: 1
Moisture %:2.0

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/08/08

QC Batch: 8279016

Client Sample Id: 4102-0295A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	93	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 004

Sample WT/Vol: 30 / g
Work Order: KX2V51AD
Dilution factor: 1
Moisture %: 2.2

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0296A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	108	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 005

Sample WT/Vol: 30 / g
Work Order: KX2V71AD
Dilution factor: 1
Moisture %:1.9

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0301A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

VQ
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G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	111	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 006

Sample WT/Vol: 30 / g
Work Order: KX2WA1AD
Dilution factor: 1
Moisture %:3.2

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0302A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

VQ

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	105	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 007

Sample WT/Vol: 30 / g
Work Order: KX2WC1AD
Dilution factor: 1
Moisture %: 0.54

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0303A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	33	U
11104-28-2	Aroclor 1221	33	U
11141-16-5	Aroclor 1232	33	U
53469-21-9	Aroclor 1242	33	U
12672-29-6	Aroclor 1248	33	U
11097-69-1	Aroclor 1254	33	U
11096-82-5	Aroclor 1260	33	U

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	96	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 008

Sample WT/Vol: 30 / g
Work Order: KX2WD1AD
Dilution factor: 1
Moisture %: 1.5

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0304A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	33	U	u
11104-28-2	Aroclor 1221	33	U	
11141-16-5	Aroclor 1232	33	U	
53469-21-9	Aroclor 1242	33	U	
12672-29-6	Aroclor 1248	33	U	
11097-69-1	**Aroclor 1254**	**110**		=
11096-82-5	Aroclor 1260	33	U	u

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	89	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 009

Sample WT/Vol: 30 / g
Work Order: KX2WE1AD
Dilution factor: 1
Moisture %:1.1

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0305A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	33	U
11104-28-2	Aroclor 1221	33	U
11141-16-5	Aroclor 1232	33	U
53469-21-9	Aroclor 1242	33	U
12672-29-6	Aroclor 1248	33	U
11097-69-1	Aroclor 1254	33	U
11096-82-5	Aroclor 1260	33	U

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	88	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 010

Sample WT/Vol: 30 / g
Work Order: KX2WF1AD
Dilution factor: 1
Moisture %:0.80

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0306A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	33	U
11104-28-2	Aroclor 1221	33	U
11141-16-5	Aroclor 1232	33	U
53469-21-9	Aroclor 1242	33	U
12672-29-6	Aroclor 1248	33	U
11097-69-1	Aroclor 1254	33	U
11096-82-5	Aroclor 1260	33	U

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	102	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 011

Sample WT/Vol: 30 / g
Work Order: KX2WG1AD
Dilution factor: 1
Moisture %: 1.6

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0307A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	↓
11141-16-5	Aroclor 1232	34	U	↓
53469-21-9	Aroclor 1242	34	U	↓
12672-29-6	**Aroclor 1248**	**520**		=
11097-69-1	Aroclor 1254	34	U	U
11096-82-5	Aroclor 1260	34	U	U

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	103	(57 - 150)

FORM I

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 012

Sample WT/Vol: 30 / g
Work Order: KX2WH1AD
Dilution factor: 1
Moisture %: 1.1

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0311A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	33	U
11104-28-2	Aroclor 1221	33	U
11141-16-5	Aroclor 1232	33	U
53469-21-9	Aroclor 1242	33	U
12672-29-6	Aroclor 1248	33	U
11097-69-1	Aroclor 1254	33	U
11096-82-5	Aroclor 1260	33	U

VQ
U

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	88	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 013

Sample WT/Vol: 30 / g
Work Order: KX2WJ1AD
Dilution factor: 1
Moisture %:0.89

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0312A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	33	U
11104-28-2	Aroclor 1221	33	U
11141-16-5	Aroclor 1232	33	U
53469-21-9	Aroclor 1242	33	U
12672-29-6	Aroclor 1248	33	U
11097-69-1	Aroclor 1254	33	U
11096-82-5	Aroclor 1260	33	U

VQ
u

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	116	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 014

Sample WT/Vol: 30 / g
Work Order: KX2WL1AD
Dilution factor: 1
Moisture %: 1.7

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0313A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

VQ
u

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	98	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 015

Sample WT/Vol: 30 / g
Work Order: KX2WM1AD
Dilution factor: 1
Moisture %:4.0

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0314A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	↓
11141-16-5	Aroclor 1232	34	U	↓
53469-21-9	**Aroclor 1242**	**420**		=
12672-29-6	Aroclor 1248	34	U	U
11097-69-1	Aroclor 1254	34	U	↓
11096-82-5	Aroclor 1260	34	U	↓

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	74	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 016

Sample WT/Vol: 30 / g
Work Order: KX2WN1AD
Dilution factor: 1
Moisture %: 2.2

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0315A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	
11141-16-5	Aroclor 1232	34	U	
53469-21-9	Aroclor 1242	34	U	
12672-29-6	Aroclor 1248	34	U	
11097-69-1	Aroclor 1254	34	U	
11096-82-5	Aroclor 1260	34	U	

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	92	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 017

Sample WT/Vol: 30 / g
Work Order: KX2WP1AD
Dilution factor: 1
Moisture %:3.6

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0316A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	↓
11141-16-5	Aroclor 1232	34	U	↓
53469-21-9	Aroclor 1242	34	U	↓
12672-29-6	**Aroclor 1248**	**330**		=
11097-69-1	**Aroclor 1254**	**240**		=
11096-82-5	**Aroclor 1260**	**99**		=

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	85	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 018

Sample WT/Vol: 30.1 / g
Work Order: KX2WQ1AD
Dilution factor: 1
Moisture %: 2.4

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0317A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	U
11104-28-2	Aroclor 1221	34	U	
11141-16-5	Aroclor 1232	34	U	
53469-21-9	Aroclor 1242	34	U	
12672-29-6	**Aroclor 1248**	**310**		=
11097-69-1	**Aroclor 1254**	**160**		=
11096-82-5	**Aroclor 1260**	**56**		=

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	84	(57 - 150)

FORM I

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8J020194 019

Sample WT/Vol: 30 / g
Work Order: KX2WR1AD
Dilution factor: 1
Moisture %:3.0

Date Received: 10/02/08
Date Extracted:10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0318A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	34	U	u
11104-28-2	Aroclor 1221	34	U	
11141-16-5	Aroclor 1232	34	U	
53469-21-9	Aroclor 1242	34	U	
12672-29-6	**Aroclor 1248**	**52**		=
11097-69-1	Aroclor 1254	34	U	u
11096-82-5	Aroclor 1260	34	U	u

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6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	86	(57 - 150)

FORM I

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8J020194 020

Sample WT/Vol: 30 / g
Work Order: KX2WT1AD
Dilution factor: 1
Moisture %: 1.9

Date Received: 10/02/08
Date Extracted: 10/05/08
Date Analyzed: 10/09/08

QC Batch: 8279016

Client Sample Id: 4102-0322A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	Aroclor 1248	34	U
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

VQ
U

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	94	(57 - 150)

Validation Report for F8L090224

Data Validation: PCBs

Project Name: MIAMISBURG MOUND **Number:** **QC Level:** D

Lab ID: TEST AMERICA **Report No.:** F8L090224

Number and Type of Samples: 14 ~~SOLID~~ SOIL VALIDATE 7

1. Holding Times

Field sample ID	Lab ID	Sampling date	Prep date(s)	Analysis date(s)	Holding time(days)	Comments/Cleanup/ Batch ID
4102-0253A-HO	001	12-4-08	12-11-08	12-13-08	7, 2	
0254A-HO	002					
0255A-HO	003					
0256A-HO	004					
0264A-HO	005					
0265A-HO	006					
0266A-HO	007					
0267A-HO	008					
0275A-HO	009					
	CONT. 1A					

VALIDATE

Preservation: Have all the vials been received by the lab at 2-6 C? (Y) N 4°C

Recommended Action: NO ACTION

2. Surrogate Recovery—System Monitoring Compounds (SMC)

a. Is Form II present? (Y) N Equiv

b. Provide control limits for each surrogate spiked:
TCMX_____ DCB 57-150

c. Any sample runs with 1 or more surrogate recoveries outside control limits? (Y) N

d. Enter recoveries for each surrogate that is out of control:

Field Sample ID	TCMX		DCB	
	Col 1	Col 2	Col 1	Col 2
4102-0267A-HO-RE	1'		156	

Action: NO ACTION RE EXTRACTION DUE TO HIGH CONC.

3. Matrix spike/Matrix spike duplicate

a. ID of sample used for MS/MSD: 4102-0253A-HO

b. Indicate out of control compounds in the following table: NO OUTLIERS

Spike compound	MS %R	MSD %R	%RPD	Action

Action: NO ACTION

Reviewed by/Date: G. Darnell 6-16 09

QA concurrence/Date: J Bennett 6/30/08

3006XXXXXX-1004260001 1A

Field Activity Daily Log Continuation Sheet

Shaw® Shaw Environmental & Infrastructure, Inc.

DATE			
NO.			
SHEET	OF		

Project Name: Project No.

Field Activity Subject:

Description of Daily Activities and Events:

VALIDATE

FIELD ID	LAB ID	SAMPLE DATE	PREP DATE	ANALYSIS DATE
4102-0276A-HO	010	12-4-08	12-11-08	12-13-08
0277A-HO	011	↓	↓	↓
0278A-HO	012	↓	↓	↓
0289A-HO	013	↓	↓	↓
0289A-HD (DUP)	014	↓	↓	↓

4. **Laboratory Control Samples/Duplicates**

a. ID of LCS: TALS7L F8L110000

b. Indicate out of control compounds in the following table: No OUTLIERS

LCS ID	Spike compound	LCS %R	LCSD %R	%RPD	Action

Action: No ACTION

5. **Field duplicate/Laboratory Duplicate**

a. Is a field/lab duplicate present? (Y) N (Field) Lab

b. If so, complete the following table: 013/014

Detected Analyte	Original Sample ID, conc	Duplicate Sample ID, conc	%D	Action
AROCLOR 1248	220	270	20.4	No ACTION

6. **Method Blanks/Instrument Blanks/Clean-up Blanks**

a. Are Form 4's present? (Y) N

b. Are all samples presented? (Y) N

c. Are blanks present for every matrix? (Y) N

d. Are there common analytes present? Y (N)

e. List blanks: INTRA-LAB BLANK K4HDV1AA

f. List blanks and contaminants detected in the table below: No DETECTS

Method/Instr Blank ID	Contaminant detected	Concentration of contaminant	Associated samples	Action
				No ACTION

Reviewed by/Date: G. Randall 6-16-09

QA concurrence/Date:_____

7. Field Blanks

a. List field blanks: N/A

b. Any contaminants detected? Y N If so, list in table below:

Field Blank ID	Contaminant detected	Concentration of contaminant	Associated samples	Action
				NO ACTION

8. Initial Calibration Multicomponent Analytes

a. Were they properly calibrated? (Y) N _____

b. Is there a Pest-3 Form 6 for the initial calibration? Y N

c. Was 0.07 min used for the retention time (RT) window of the multicomponents? Y N

d. Was a calibration factor determined for each peak of the analyte? Y N

e. Was the %RSD >___% Y N if so, list below:

Init cal date	Compound	%RSD	Affected samples

Action: NO ACTION

9. Continuing Calibration

a. Is Form 7 present? Y N EQUIV.

b. Was the proper standard used? (Y) N

c. Was the %D >~~15~~% 20 for any calibrated compound? Y (N) If so, list below:

Cont. calibration date	Compound	%D	Affected samples	Action
				NO ACTION

Reviewed by/Date: G. Darnell 6-16-09

QA concurrence/Date:_____

10. Instrument Performance Check (Forms VI-4 and VI-5)

a. Is Form VI-4 present for Resolution Check Mixture (RCM)? Y N

b. Is the valley between adjacent peaks >60% of the shorter peak? Y N

c. Is there a Form VI-5 present for the Performance Evaluation Mixture? Y N

d. Is the % breakdown within the control limits? Y N If not, list below:

Date	Compound	Resolution >90%	% Breakdown	RT windows	Action

11. Calibration Verification(Forms VI-6 and VI-7)

a. Does an instrument blank and a PEM bracket one end of the 12-hr analysis period? Y N [if No, qualify all analyses in the period J/UJ]

b. Does a second instrument blank and the midpoint conc of the Ind A and IndB bracket the other end? Y N [If no, qualified all analyses in the period J/UJ]

c. Is the resolution of any two adjacent peaks of the midpoint conc std <90%? Y N [If no, qualify all analyses in period UJ/R/J

d. Is the absolute retention for each single component pesticide and surrogate within the retention time established? Y N [If no, J/UJ qualify]

e. Does the %D between calculated and true amount for each pesticide and surrogate >25%? If so, list:

Date	Compound	%D	Action

12. Compound Identification and Quantitation

Sample ID	Compound	Original Conc.	Calc chk	%D betw columns	Reported value/qualifier, comment
0267A-(8)	A - 1248			2.9	= USE RE
2675A (9)	A - 1248			18.3	=
~~2698A~~ (13)	A - 1248			5.2	=
~~2698A~~ (14)	A - 1248			11.8	=

FORM ID
0269A-HO — 289A
0269A-HD — 289A
SHOULD BE
0289A-HO
-HD

Reviewed by/Date: G. Darnell 6-16-09

QA concurrence/Date:_____

13. Pesticide Cleanup Checks

13a. Florisil cartridge cleanup

a. Does the documentation exist to support sample extract cleanup? Y N

a. Is the Lot check present? Y N Unk

b. INDA std recovered 80-120% Y N Unk

c. Any interfering peaks? Y N Unk

d. 2,4,5-trichlorophenol recovery <5% Y N Unk

13b. Gel permeation chromatography

a. Was GPC performed? Y N Unk

b. Has the GPC unit been checked within the last 7 days ? Y N Unk

c. Check mixtures recoveries within 80-120% Y N Unk

d. Aroclor pattern the same? Y N Unk

e. GPC blank run after each calibration? Y N Unk

f. GPC blank ≤1/2 CRQL ? Y N

14. System Performance

Check for and explain any of the following:

- Abrupt baseline shift
- High background ot RT shifts
- Baseline rise at high temps
- Loss of peak resolution
- Peak trailing or splitting

15. Overall Assessment/Comments

ACCEPT DATA AS QUALIFIED

Reviewed by/Date G. Darnell 6-16-09

QA concurrence/Date:

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8L090224 001

Sample WT/Vol: 30 / g
Work Order: K4C2H1AD
Dilution factor: 1
Moisture %: 17

Date Received: 12/09/08
Date Extracted: 12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0253A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	40	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	114	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L090224 002

Sample WT/Vol: 30.1 / g
Work Order: K4C2X1AD
Dilution factor: 1
Moisture %:15

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0254A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	39	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	39	U
11096-82-5	Aroclor 1260	39	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	123	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L090224 003

Sample WT/Vol: 30 / g
Work Order: K4C211AD
Dilution factor: 1
Moisture %:8.0

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0255A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	36	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	36	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	94	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L090224 004

Sample WT/Vol: 30 / g
Work Order: K4C231AD
Dilution factor: 1
Moisture %:9.4

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0256A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	36	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	**Aroclor 1248**	**100**	
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	36	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	103	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L090224 005

Sample WT/Vol: 30.2 / g
Work Order: K4C241AD
Dilution factor: 1
Moisture %:19

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0264A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	41	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	100	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L090224 006

Sample WT/Vol: 30 / g
Work Order: K4C251AD
Dilution factor: 1
Moisture %:14

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0265A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	38	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	38	U
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	38	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	108	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: F8L090224 007
Method: SW846 8082
PCBs (8082)

Sample WT/Vol: 30 / g
Work Order: K4C261AD
Dilution factor: 1
Moisture %: 8.9

Date Received: 12/09/08
Date Extracted: 12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0266A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	36	U	U
11104-28-2	Aroclor 1221	36	U	
11141-16-5	Aroclor 1232	36	U	
53469-21-9	Aroclor 1242	36	U	
12672-29-6	Aroclor 1248	36	U	
11097-69-1	Aroclor 1254	36	U	
11096-82-5	Aroclor 1260	36	U	

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	111	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L090224 008

Sample WT/Vol: 30 / g
Work Order: K4C271AD
Dilution factor: 1
Moisture %:11

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0267A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	37	U	U
11104-28-2	Aroclor 1221	37	U	
11141-16-5	Aroclor 1232	37	U	
53469-21-9	Aroclor 1242	37	U	
12672-29-6	**Aroclor 1248**	**1800**	**E**	N
11097-69-1	Aroclor 1254	37	U	U
11096-82-5	Aroclor 1260	37	U	U

G. Dowell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	121	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L090224 008

Sample WT/Vol: 30 / g
Work Order: K4C272AD
Dilution factor: 4
Moisture %:11

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/16/08

QC Batch: 8346295

Client Sample Id: 4102-0267A-HO -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12672-29-6	Aroclor 1248	1900	D

VQ
=

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	156	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L090224 009

Sample WT/Vol: 30.2 / g
Work Order: K4C281AD
Dilution factor: 1
Moisture %:7.4

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0275A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	36	U	u
11104-28-2	Aroclor 1221	36	U	
11141-16-5	Aroclor 1232	36	U	
53469-21-9	Aroclor 1242	36	U	
12672-29-6	**Aroclor 1248**	**670**		=
11097-69-1	Aroclor 1254	36	U	u
11096-82-5	Aroclor 1260	36	U	u

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	97	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8L090224 010

Sample WT/Vol: 30 / g
Work Order: K4C3C1AD
Dilution factor: 1
Moisture %: 11

Date Received: 12/09/08
Date Extracted: 12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0276A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	37	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	37	U

VQ
u

G. Darnell
6/16/09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	121	(57 - 150)

Shaw E & I Inc

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L090224 011

Sample WT/Vol: 30 / g
Work Order: K4C3D1AD
Dilution factor: 1
Moisture %:17

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0277A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	40	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

VQ
U

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	101	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8L090224 012

Sample WT/Vol: 30.1 / g
Work Order: K4C3F1AD
Dilution factor: 1
Moisture %: 5.4

Date Received: 12/09/08
Date Extracted: 12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0278A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	35	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

VQ
U

G. Dannell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	105	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8L090224 013

Sample WT/Vol: 30.1 / g
Work Order: K4C3H1AD
Dilution factor: 1
Moisture %: 5.2

Date Received: 12/09/08
Date Extracted: 12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0289A-HO

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	VQ
12674-11-2	Aroclor 1016	35	U	U
11104-28-2	Aroclor 1221	35	U	↓
11141-16-5	Aroclor 1232	35	U	
53469-21-9	Aroclor 1242	35	U	
12672-29-6	**Aroclor 1248**	**220**		=
11097-69-1	Aroclor 1254	35	U	U
11096-82-5	Aroclor 1260	35	U	U

G. Darnell
6-16-09

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	113	(57 - 150)

Shaw E & I Inc

Lab Name: TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID: F8L090224 014

Sample WT/Vol: 30 / g
Work Order: K4C3M1AD
Dilution factor: 1
Moisture %: 3.8

Date Received: 12/09/08
Date Extracted: 12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: 4102-0289A-HD (DUP)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	34	U
11104-28-2	Aroclor 1221	34	U
11141-16-5	Aroclor 1232	34	U
53469-21-9	Aroclor 1242	34	U
12672-29-6	**Aroclor 1248**	**270**	
11097-69-1	Aroclor 1254	34	U
11096-82-5	Aroclor 1260	34	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	107	(57 - 150)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 123959

Miamisburg Mound

Lot #: F8L090224

Karl Van Keuren

Shaw E & I Inc
5050 Section Ave
Cincinnati, OH 45212

TESTAMERICA LABORATORIES, INC.

Ivan Vania
Project Manager

December 19, 2008

Case Narrative
LOT NUMBER: F8L090224

This report contains the analytical results for the 14 samples received under chain of custody by TestAmerica St. Louis on December 9, 2008. These samples are associated with your Miamisburg Mound project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted on the following page.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by TestAmerica St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Observations/Nonconformances

Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

PCBs (SW-846 8082)
Batch: 8346295:
Method 8082 requires 3-5 peaks be used for PCB quantitation. Due to the presence of matrix interferences in the sample, only 4 peaks were used for quantitation for Aroclor 1248 on the primary/reported column.
Affected Samples:
F8L090224 (4): 4102-0256A-HO
F8L090224 (8): 4102-0267A-HO
F8L090224 (13): 4102-02689A-HO
F8L090224 (14): 4102-02689A-HD (DUP)

Batch 8346295:
The sample was analyzed at a dilution due to high concentrations of target analytes. The reporting limits were adjusted only for those targets reported from the dilution run.
Affected Samples:
F8L090224 (8): 4102-0267A-HO

Batch 8346295:
Sample surrogate recovery is outside established QC limits. This excursion is attributed to a matrix interference which is physically evident in the sample. Results are provided with this narrative. No further action is required.
Affected Samples:
F8L090224 (8): 4102-0267A-HO

There were no other nonconformances or observations noted with any analysis on this lot.

Col 2 90

[redacted]

Chain of Custody Record St. Louis

(5) 0 - 0 = 0°C

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

3006XXXXXX-1004260001

Batch #2

TAL-4124 (1007)

LOT#: F8L090224

Client	Project Manager	Date	Chain of Custody Number
qRc attn: Connie Gerbig	Karl Van Keuren 513-782-4745	12-4-08	116182
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
955 Mound Rd.	937-430-7201	16241	

City	State	Zip Code	Site Contact	Lab Contact
Miamisburg	OH	45342	Connie Gerbig	

Project Name and Location (State): OU1 Mound Miamisburg OH

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.:

Analysis (Attach list if more space is needed): PCB (8082)

Containers & Preservatives: 4oz

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	Zn Ac/NaOH	4oz	PCB (8082)	Special Instructions/ Conditions of Receipt
4102-0253A-HO	12-4-08	1057				X							X	X	
4102-0254A-HO	12-4-08	1055				X							X	X	
4102-0255A-HO	12-4-08	1053				X							X	X	
4102-0256A-HO	12-4-08	1051				X							X	X	
4102-0264A-HO	12-4-08	1049				X							X	X	
4102-0265A-HO	12-4-08	1047				X							X	X	
4102-0266A-HO	12-4-08	1045				X							X	X	
4102-0267A-HO	12-4-08	1043				X							X	X	
4102-0275A-HO	12-4-08	1041				X							X	X	
4102-0276A-HO	12-4-08	1039				X							X	X	
4102-0277A-HO	12-4-08	1037				X							X	X	
4102-0278A-HO	12-4-08	1035				X							X	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

Relinquished By	Date	Time	Received By	Date	Time
1. Gene Bonn	12/5/08	1525	1. Richard T. Schneider	12-5-08	15:30
2. Richard T. Schneider	12-5-08	17:45	2.		
3. Linda Cook	12-08-08	4:30p.m	3.	12/9/08	0930

Comments:

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica St. Louis

LOT# [redacted] 810902247 Of 7991

3006XXXXXX-1004260001

Chain of Custody Record

St. Louis

(5) 0 - 0 = 0°C

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Batch #2

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
aRc Attn: Connie Gerbig	Karl Van Keuren 513-782-4745	12-4-08	116183
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
955 Mound Rd.	937-430-7201	16241	

City	State	Zip Code	Site Contact	Lab Contact
Miamisburg	OH	45342	Connie Gerbig	

Project Name and Location (State): 041 Mound Miamisburg OH

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.:

Analysis (Attach list if more space is needed): PCB (8082)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	4°C (4oz)	PCB (8082)
4102-0289A-HD	12-4-08	1025				X								X	X
4102-0289A-HD (dup)	12-4-08	1025				X								X	X

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Eric Bum	12-5-08	1525	1. Received By: Richard T. Stoneman	12-5-08	15:30
2. Relinquished By: Richard T. Stoneman	12-5-08	17:45	2. Received By: B. [illegible]	12/9/08	0930
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica St. Louis

3006XXXXXXX-1004260001

TestAmerica St. Louis

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F8L090224 228

CONDITION UPON RECEIPT FORM

Client: ALC

Quote No: 74038

COC/RFA No: See below

290

Initiated By: BO Date: 12/9/08 Time: 0930

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*

1. 7971 6520 0692
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):** BO 12/9/08

1. ~~Ambient~~ 4
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids.

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	Y N	Sample received with Chain of Custody?	11.	Y N	Sample received in proper containers?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y N	Was sample received broken?	13.	Y N N/A	Was Internal COC/Workshare received?
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: COC

116178

181

182

183

Corrective Action:

- ☐ Client Contact Name: _____ Informed by: _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: _____ Date: 12-9-08

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

LOT# F8L090224

980

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: F8L090224 **Work Order #...:** K4HDV1AA **Matrix.....:** SOLID
MB Lot-Sample #: F8L110000-295
Prep Date.....: 12/11/08 **Analysis Time..:** 02:02
Analysis Date..: 12/13/08 **Prep Batch #...:** 8346295
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	115	(57 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: F8L090224 **Work Order #...:** K4HDV1AC **Matrix.....:** SOLID
LCS Lot-Sample#: F8L110000-295
Prep Date.....: 12/11/08 **Analysis Date..:** 12/13/08
Prep Batch #...: 8346295 **Analysis Time..:** 02:18
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**110**	**(76 - 133)**	**SW846 8082**
Aroclor 1260	**117**	**(78 - 131)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	119	(64 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: F8L090224 **Work Order #...:** K4C2H1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: F8L090224-001 K4C2H1AF-MSD
Date Sampled...: 12/04/08 10:57 **Date Received..:** 12/09/08
Prep Date.....: 12/11/08 **Analysis Date..:** 12/13/08
Prep Batch #...: 8346295 **Analysis Time..:** 02:51
Dilution Factor: 1 **% Moisture.....:** 17

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**103**	**(53 - 150)**			**SW846 8082**
	108	**(53 - 150)**	**4.8**	**(0-30)**	**SW846 8082**
Aroclor 1260	**109**	**(38 - 150)**			**SW846 8082**
	111	**(38 - 150)**	**1.9**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	113	(57 - 150)
	114	(57 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8L090224 **Work Order #...:** K4M91-SMP K4M91-DUP **Matrix.....:** SOLID

Date Sampled...: 12/10/08 13:15 **Date Received..:** 12/13/08

% Moisture.....: 33

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	F8L130119-004	
	33.2	33.3	%	0.24	(0-30)	MCAWW 160.3 MOD	12/15-12/16/08	8350083

Dilution Factor: 1 Analysis Time..: 00:00

SW846 8082 SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Lot #: F8L090224

Extraction: XXA71QH01

	CLIENT ID.	SRG01	TOT OUT
01	4102-0253A-HO	114	00
02	4102-0254A-HO	123	00
03	4102-0255A-HO	94	00
04	4102-0256A-HO	103	00
05	4102-0264A-HO	100	00
06	4102-0265A-HO	108	00
07	4102-0266A-HO	111	00
08	4102-0267A-HO	121	00
09	4102-0267A-HO RE-1	156*	01
10	4102-0275A-HO	97	00
11	4102-0276A-HO	121	00
12	4102-0277A-HO	101	00
13	4102-0278A-HO	105	00
14	4102-0289A-HO	113	00
15	4102-0289A-HD (DUP)	107	00
16	METHOD BLK. K4HDV1AA	115	00
17	LCS K4HDV1AC	119	00
18	4102-0253A-HO D	114	00
19	4102-0253A-HO S	113	00

SURROGATES		QC LIMITS
SRG01	= Decachlorobiphenyl	(57-150)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Matrix Spike ID: 4102-0253A-HO Level:(low/med) LOW

Lot #: F8L090224 WO #: K4C2H1AE
BATCH: 8346295

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	201	ND	208	103	53- 150	
Aroclor 1260	201	ND	220	109	38- 150	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Matrix Spike ID: 4102-0253A-HO Level:(low/med) LOW

Lot #: F8L090224 WO #: K4C2H1AF
BATCH: 8346295

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Aroclor 1016	201	218	108	4.8	30	53 - 150	
Aroclor 1260	201	224	111	1.9	30	38 - 150	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Shaw E & I Inc

Lab Code: TALSTL SDG No:

Lot #: F8L110000 WO #: K4HDV1AC
BATCH: 8346295

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	167	183	110	76- 133	
Aroclor 1260	167	194	117	78- 131	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

Shaw E & I Inc
METHOD BLANK COMPOUNDS

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L110000 295

Sample WT/Vol: 30 / g
Work Order: K4HDV1AA
Dilution factor: 1
Moisture %:NA

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	33	U
11104-28-2	Aroclor 1221	33	U
11141-16-5	Aroclor 1232	33	U
53469-21-9	Aroclor 1242	33	U
12672-29-6	Aroclor 1248	33	U
11097-69-1	Aroclor 1254	33	U
11096-82-5	Aroclor 1260	33	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	115	(57 - 150)

Shaw E & I Inc
CHECK SAMPLE COMPOUNDS

Lab Name:TestAmerica Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID
Method: SW846 8082
PCBs (8082)

Lab Sample ID:F8L110000 295

Sample WT/Vol: 30 / g
Work Order: K4HDV1AC
Dilution factor: 1
Moisture %:NA

Date Received: 12/09/08
Date Extracted:12/11/08
Date Analyzed: 12/13/08

QC Batch: 8346295

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor 1016	183	
11096-82-5	Aroclor 1260	194	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Decachlorobiphenyl	119	(64 - 140)

BLANK WORKORDER NO.

K4HDV1AA

SW846 8082 METHOD BLANK SUMMARY

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALSTL

SDG Number:

Lab File ID: PBLK775.

Lot Number: F8L090224

Matrix: SOLID

Extraction Method: 3550B/3665A

Date Extracted: 12/11/08

Date Analyzed(1): 12/13/08

Date Analyzed(2): N/A

Time Analyzed(1): 02:02

Time Analyzed(2): N/A

Instrument ID(1): GCP

Instrument ID(2): N/A

GC Column(1): RTX-CLP ID: 053 GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED(1)	DATE ANALYZED(2)
01	4102-0253A-HO	K4C2H1AD	12/13/08	N/A
02	4102-0253A-HO	K4C2H1AE S	12/13/08	N/A
03	4102-0253A-HO	K4C2H1AF D	12/13/08	N/A
04	4102-0254A-HO	K4C2X1AD	12/13/08	N/A
05	4102-0255A-HO	K4C211AD	12/13/08	N/A
06	4102-0256A-HO	K4C231AD	12/13/08	N/A
07	4102-0264A-HO	K4C241AD	12/13/08	N/A
08	4102-0265A-HO	K4C251AD	12/13/08	N/A
09	4102-0266A-HO	K4C261AD	12/13/08	N/A
10	4102-0267A-HO	K4C271AD	12/13/08	N/A
11	4102-0267A-HO	K4C272AD	12/16/08	N/A
12	4102-0275A-HO	K4C281AD	12/13/08	N/A
13	4102-0276A-HO	K4C3C1AD	12/13/08	N/A
14	4102-0277A-HO	K4C3D1AD	12/13/08	N/A
15	4102-0278A-HO	K4C3F1AD	12/13/08	N/A
16	4102-0289A-HO	K4C3H1AD	12/13/08	N/A
17	4102-0289A-HD (DUP)	K4C3M1AD	12/13/08	N/A
18	CHECK SAMPLE	K4HDV1AC C	12/13/08	N/A
19				
20				

COMMENTS:

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
4102-0256A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8L090224

Lab Sample ID: K4C231AD Date(s) Analyzed: 12/13/08 12/13/08

Instrument ID (1): GCP Instrument ID (2): GCP

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.61	3.53	3.71	84.23		
Aroclor-1248	2	3.69	3.61	3.79	87.60		
	3	4.03	3.94	4.12	110.2		
COLUMN 1	4	4.21	4.12	4.30	92.05		
	5					93.52	
	1	4.23	4.14	4.32	86.24		
	2	4.44	4.36	4.54	79.88		
	3	4.56	4.48	4.66	94.30		
COLUMN 2	4	4.85	4.77	4.95	107.5		
	5	5.07	4.99	5.17	97.18	93.02	0.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
4102-0267A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8L090224

Lab Sample ID: K4C271AD Date(s) Analyzed: 12/13/08 12/13/08

Instrument ID (1): GCP Instrument ID (2): GCP

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.61	3.53	3.71	1546		
Aroclor-1248	2	3.69	3.61	3.79	1388		
	3	4.03	3.94	4.12	1688		
COLUMN 1	4	4.21	4.12	4.30	1729		
	5					1588	
	1	4.23	4.14	4.32	1481		
	2	4.44	4.36	4.54	1359		
	3	4.56	4.48	4.66	1590		
COLUMN 2	4	4.85	4.77	4.95	1575		
	5	5.07	4.99	5.17	1712	1543	2.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
4102-02675A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8L090224

Lab Sample ID: K4C281AD Date(s) Analyzed: 12/13/08 12/13/08

Instrument ID (1): GCP Instrument ID (2): GCP

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.43	3.33	3.51	787.6		
Aroclor-1248	2	3.61	3.53	3.71	463.6		
	3	3.69	3.61	3.79	484.2		
COLUMN 1	4	4.03	3.94	4.12	615.6		
	5	4.21	4.12	4.30	773.0	624.8	
	1	4.23	4.14	4.32	495.7		
	2	4.44	4.36	4.54	441.6		
	3	4.56	4.48	4.66	532.4		
COLUMN 2	4	4.85	4.77	4.95	639.1		
	5	5.07	4.99	5.17	532.4	528.2	18.3
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
4102-02698A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8L090224

Lab Sample ID: K4C3H1AD Date(s) Analyzed: 12/13/08 12/13/08

Instrument ID (1): GCP Instrument ID (2): GCP

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.61	3.53	3.71	202.2		
Aroclor-1248	2	3.69	3.61	3.79	172.7		
	3	4.03	3.94	4.12	236.1		
COLUMN 1	4	4.21	4.12	4.30	230.4		
	5					210.4	
	1	4.23	4.14	4.32	196.2		
	2	4.44	4.36	4.54	184.7		
	3	4.56	4.48	4.66	196.2		
COLUMN 2	4	4.85	4.77	4.95	210.1		
	5	5.07	4.99	5.17	213.1	200.0	5.2
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
4102-0269
8A-HD (DUP

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8L090224

Lab Sample ID: K4C3M1AD Date(s) Analyzed: 12/13/08 12/13/08

Instrument ID (1): GCP Instrument ID (2): GCP

GC Column(1): CLPEST-1 ID: 0.53 (mm) GC Column(2): CLPEST-2 ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.61	3.53	3.71	231.1		
Aroclor-1248	2	3.69	3.61	3.79	214.9		
	3	4.03	3.94	4.12	274.2		
COLUMN 1	4	4.21	4.12	4.30	312.5		
	5					258.2	
	1	4.23	4.14	4.32	231.5		
	2	4.44	4.36	4.54	211.8		
	3	4.56	4.48	4.66	229.7		
COLUMN 2	4	4.85	4.77	4.95	249.5		
	5	5.07	4.99	5.17	232.7	231.0	11.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

FORM 10
PCB IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Shaw E & I Inc SAMPLE NO.

4102-0267A-HO

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: F8L090224

Lab Sample ID: K4C272AD Date(s) Analyzed: 12/16/08 12/16/08

Instrument ID (1): GCP Instrument ID (2): GCP

GC Column(1): CLPEST-1 ID: 0.53(mm) GC Column(2): CLPEST-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	3.61	3.53	3.71	1604		
Aroclor-1248	2	3.69	3.61	3.79	1590		
	3	4.03	3.94	4.12	1759		
COLUMN 1	4	4.21	4.12	4.30	1961		
	5					1729	
	1	4.22	4.14	4.32	1546		
	2	4.44	4.36	4.54	1476		
	3	4.56	4.48	4.66	1631		
COLUMN 2	4	4.85	4.77	4.95	1580		
	5	5.07	4.99	5.17	1609	1568	10.3
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

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PCB

Report Date : 03-Nov-2008 17:29 Page 1

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-2008 14:15
End Cal Date : 03-NOV-2008 18:01
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\8082A.m
Last Edit : 03-Nov-2008 17:25 konopkad
Curve Type : Average

Calibration File Names:
Level 1: \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\PCAL870.D
Level 2: \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\PCAL871.D
Level 3: \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\PCAL872.D
Level 4: \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\PCAL884.D
Level 5: \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\PCAL874.D
Level 6: \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\PCAL875.D
Level 7: \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\PCAL876.D
Level 8: \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\PCAL877.D

Compound	50.000 Level 1	100.000 Level 2	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	$\overline{RRF}$	% RSD
	2500.000 Level 7	4000.000 Level 8						
22 Aroclor-1016(1)	5454	5450	5098	4528	4365	4259		
	4028	3942					4640	13.193
(2)	11765	11048	10449	9378	9140	8798		
	8270	8102					9619	13.847
(3)	20872	20407	19948	20090	18846	18774		
	17895	18086					19365	5.736
(4)	9144	8837	8466	7680	7775	7742		
	7276	7348					8034	8.659
(5)	9556	9119	8859	8234	8176	8086		
	7757	7843					8454	7.665
23 Aroclor-1221(1)	+++++	+++++	+++++	1927	+++++	+++++		
	+++++	+++++					1927	0.000
(2)	+++++	+++++	+++++	2477	+++++	+++++		
	+++++	+++++					2477	0.000
(3)	+++++	+++++	+++++	6079	+++++	+++++		
	+++++	+++++					6079	0.000

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-2008 14:15
End Cal Date : 03-NOV-2008 18:01
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\8082A.m
Last Edit : 03-Nov-2008 17:25 konopkad
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD
24 Aroclor-1232(1)	+++++	+++++	+++++	4972	+++++	+++++		
	+++++	+++++					4972	0.000
(2)	+++++	+++++	+++++	4170	+++++	+++++		
	+++++	+++++					4170	0.000
(3)	+++++	+++++	+++++	8609	+++++	+++++		
	+++++	+++++					8609	0.000
(4)	+++++	+++++	+++++	2545	+++++	+++++		
	+++++	+++++					2545	0.000
(5)	+++++	+++++	+++++	2302	+++++	+++++		
	+++++	+++++					2302	0.000
25 Aroclor-1242(1)	+++++	+++++	+++++	7540	+++++	+++++		
	+++++	+++++					7540	0.000
(2)	+++++	+++++	+++++	4919	+++++	+++++		
	+++++	+++++					4919	0.000
(3)	+++++	+++++	+++++	15068	+++++	+++++		
	+++++	+++++					15068	0.000
(4)	+++++	+++++	+++++	4769	+++++	+++++		
	+++++	+++++					4769	0.000
(5)	+++++	+++++	+++++	4359	+++++	+++++		
	+++++	+++++					4359	0.000
26 Aroclor-1248(1)	+++++	+++++	+++++	15728	+++++	+++++		
	+++++	+++++					15728	0.000

Report Date : 03-Nov-2008 17:29 Page 3

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-2008 14:15
End Cal Date : 03-NOV-2008 18:01
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\8082A.m
Last Edit : 03-Nov-2008 17:25 konopkad
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD
(2)	+++++	+++++	+++++	10308	+++++	+++++		
	+++++	+++++					10308	0.000
(3)	+++++	+++++	+++++	5467	+++++	+++++		
	+++++	+++++					5467	0.000
(4)	+++++	+++++	+++++	7917	+++++	+++++		
	+++++	+++++					7917	0.000
(5)	+++++	+++++	+++++	7817	+++++	+++++		
	+++++	+++++					7817	0.000
27 Aroclor-1254(1)	+++++	+++++	+++++	7946	+++++	+++++		
	+++++	+++++					7946	0.000
(2)	+++++	+++++	+++++	15923	+++++	+++++		
	+++++	+++++					15923	0.000
(3)	+++++	+++++	+++++	13987	+++++	+++++		
	+++++	+++++					13987	0.000
(4)	+++++	+++++	+++++	11301	+++++	+++++		
	+++++	+++++					11301	0.000
(5)	+++++	+++++	+++++	15879	+++++	+++++		
	+++++	+++++					15879	0.000
28 Aroclor-1260(1)	13040	12315	12039	11751	11282	11450		
	11025	11129					11754	5.831
(2)	18833	18156	17635	17481	16568	17065		
	16332	16502					17323	5.065

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-2008 14:15
End Cal Date : 03-NOV-2008 18:01
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\8082A.m
Last Edit : 03-Nov-2008 17:25 konopkad
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD
(3)	18158	18329	17441	18019	17080	17812		
	17256	17365					17682	2.598
(4)	23570	23643	23243	24140	22365	23746		
	23195	23206					23388	2.245
(5)	5715	5768	5492	5686	5107	5396		
	5288	5239					5461	4.479
35 Aroclor-1262(1)	*****	*****	*****	9288	*****	*****		
	*****	*****					9288	0.000
(2)	*****	*****	*****	11947	*****	*****		
	*****	*****					11947	0.000
(3)	*****	*****	*****	15667	*****	*****		
	*****	*****					15667	0.000
(4)	*****	*****	*****	26688	*****	*****		
	*****	*****					26688	0.000
(5)	*****	*****	*****	11878	*****	*****		
	*****	*****					11878	0.000
36 Aroclor-1268(1)	*****	*****	*****	32179	*****	*****		
	*****	*****					32179	0.000
(2)	*****	*****	*****	34659	*****	*****		
	*****	*****					34659	0.000
(3)	*****	*****	*****	22876	*****	*****		
	*****	*****					22876	0.000

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-2008 14:15
End Cal Date : 03-NOV-2008 18:01
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\8082A.m
Last Edit : 03-Nov-2008 17:25 konopkad
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
(4)	+++++	+++++	+++++	10015	+++++	+++++			
	+++++	+++++					10015	0.000	
(5)	+++++	+++++	+++++	61316	+++++	+++++			
	+++++	+++++					61316	0.000	
M 37 PCB (Total)	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
$ 32 Decachlorobiphenyl	214348	203354	152718	191169	169431	177604			
	144129	170608					177920	13.523	

Report Date : 04-Nov-2008 08:17 Page 1

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\8082A.m
Quant Method : ESTD Target Version : 4.14
Last Update : 03-Nov-2008 17:29 Number of Cpnds : 11
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	500.000000
Initial:End Threshold	30.000000
Initial:Area Threshold	100.000000
Initial:P-P Resolution	2.000000
Initial:Bunch Factor	0.000000
Initial:Negative Peaks	OFF
Initial:Tension	0.200000
0.000:Integrator OFF	n/a
1.200:Integrator ON	n/a
8.000:Integrator OFF	n/a

Compound	RT	RT Window	RF
22 Aroclor-1016	2.416	2.326-2.506	4.64e+003
	2.716	2.626-2.806	9.62e+003
	3.126	3.036-3.216	1.94e+004
	3.248	3.158-3.338	8.03e+003
	3.618	3.528-3.708	8.45e+003
23 Aroclor-1221	1.751	1.661-1.841	1.93e+003
	2.261	2.171-2.351	2.48e+003
	2.416	2.326-2.506	6.08e+003
24 Aroclor-1232	2.417	2.327-2.507	4.97e+003
	2.715	2.625-2.805	4.17e+003
	3.127	3.037-3.217	8.61e+003
	4.033	3.943-4.123	2.54e+003
	4.215	4.125-4.305	2.30e+003
25 Aroclor-1242	2.715	2.625-2.805	7.54e+003
	2.893	2.803-2.983	4.92e+003
	3.125	3.035-3.215	1.51e+004
	4.033	3.943-4.123	4.77e+003
	4.213	4.123-4.303	4.36e+003
26 Aroclor-1248	3.421	3.331-3.511	1.57e+004
	3.618	3.528-3.708	1.03e+004
	3.696	3.606-3.786	5.47e+003
	4.033	3.943-4.123	7.92e+003
	4.215	4.125-4.305	7.82e+003
27 Aroclor-1254	3.966	3.876-4.056	7.95e+003
	4.209	4.119-4.299	1.59e+004
	4.578	4.488-4.668	1.40e+004
	5.009	4.919-5.099	1.13e+004
	5.269	5.179-5.359	1.59e+004

Report Date : 04-Nov-2008 08:17 Page 2

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103A.b\8082A.m

	Compound	RT	RT Window	RF
	28 Aroclor-1260	4.748	4.658-4.838	1.18e+004
		5.008	4.918-5.098	1.73e+004
		5.268	5.178-5.358	1.77e+004
		5.894	5.804-5.984	2.34e+004
		6.738	6.648-6.828	5.46e+003
	35 Aroclor-1262	4.746	4.656-4.836	9.29e+003
		5.006	4.916-5.096	1.19e+004
		5.373	5.283-5.463	1.57e+004
		5.893	5.803-5.983	2.67e+004
		6.189	6.099-6.279	1.19e+004
	36 Aroclor-1268	6.191	6.101-6.281	3.22e+004
		6.227	6.137-6.317	3.47e+004
		6.406	6.316-6.496	2.29e+004
		6.739	6.649-6.829	1.00e+004
		7.004	6.914-7.094	6.13e+004
M	37 PCB (Total)	1.000	0.920-1.080	
$	32 Decachlorobiphenyl	7.178	7.088-7.268	1.78e+005

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081103A.b/PICV878.D
Report Date: 11/04/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PICV878.D
Analysis Type: SOIL

Injection Date: 03-NOV-2008 16:24
Lab Sample ID: ICV
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081103A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	949.3019	5.1	20.0	
486539264 Aroclor-1260	1000.0000	999.5175	0.0	20.0	
570425344 Decachlorobiphenyl	50.0000	0.0000	100.0	20.0	<-

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-2008 14:15
End Cal Date : 03-NOV-2008 18:01
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103B.b\8082B.m
Last Edit : 04-Nov-2008 08:53 konopkad
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD
24 Aroclor-1232(1)	+++++ / +++++	+++++ / +++++	+++++	13540	+++++	+++++	13540	0.000 <-
(2)	+++++ / +++++	+++++ / +++++	+++++	12646	+++++	+++++	12646	0.000 <-
(3)	+++++ / +++++	+++++ / +++++	+++++	24660	+++++	+++++	24660	0.000 <-
(4)	+++++ / +++++	+++++ / +++++	+++++	7669	+++++	+++++	7669	0.000 <-
(5)	+++++ / +++++	+++++ / +++++	+++++	7570	+++++	+++++	7570	0.000 <-
25 Aroclor-1242(1)	+++++ / +++++	+++++ / +++++	+++++	20570	+++++	+++++	20570	0.000 <-
(2)	+++++ / +++++	+++++ / +++++	+++++	8535	+++++	+++++	8535	0.000 <-
(3)	+++++ / +++++	+++++ / +++++	+++++	42521	+++++	+++++	42521	0.000 <-
(4)	+++++ / +++++	+++++ / +++++	+++++	15005	+++++	+++++	15005	0.000 <-
(5)	+++++ / +++++	+++++ / +++++	+++++	15000	+++++	+++++	15000	0.000 <-
26 Aroclor-1248(1)	+++++ / +++++	+++++ / +++++	+++++	15306	+++++	+++++	15306	0.000 <-

Report Date : 04-Nov-2008 08:57 Page 3

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-2008 14:15
End Cal Date : 03-NOV-2008 18:01
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103B.b\8082B.m
Last Edit : 04-Nov-2008 08:53 konopkad
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	___ RRF	% RSD	
(2)	+++++	+++++	+++++	21667	+++++	+++++			
	+++++	+++++					21667	0.000	<-
(3)	+++++	+++++	+++++	23647	+++++	+++++			
	+++++	+++++					23647	0.000	<-
(4)	+++++	+++++	+++++	26466	+++++	+++++			
	+++++	+++++					26466	0.000	<-
(5)	+++++	+++++	+++++	24992	+++++	+++++			
	+++++	+++++					24992	0.000	<-
27 Aroclor-1254(1)	+++++	+++++	+++++	24454	+++++	+++++			
	+++++	+++++					24454	0.000	<-
(2)	+++++	+++++	+++++	27201	+++++	+++++			
	+++++	+++++					27201	0.000	<-
(3)	+++++	+++++	+++++	37483	+++++	+++++			
	+++++	+++++					37483	0.000	<-
(4)	+++++	+++++	+++++	32442	+++++	+++++			
	+++++	+++++					32442	0.000	<-
(5)	+++++	+++++	+++++	40815	+++++	+++++			
	+++++	+++++					40815	0.000	<-
28 Aroclor-1260(1)	32749	31934	30873	30502	29737	30703			
	29698	30460					30832	3.388	
(2)	36015	36118	34204	34277	32837	34330			
	33232	33973					34373	3.407	

Report Date : 04-Nov-2008 08:57

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-2008 14:15
End Cal Date : 03-NOV-2008 18:01
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103B.b\8082B.m
Last Edit : 04-Nov-2008 08:53 konopkad
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
(3)	45428	45527	44074	44619	42540	44861			
	43795	44813					44457	2.194	
(4)	28517	29025	28136	28526	27258	28799			
	28013	28633					28363	1.953	
(5)	56316	57997	56345	59382	55755	59933			
	59537	61269					58317	3.461	
35 Aroclor-1262(1)	+++++	+++++	+++++	24897	+++++	+++++			
	+++++	+++++					24897	0.000	<-
(2)	+++++	+++++	+++++	26275	+++++	+++++			
	+++++	+++++					26275	0.000	<-
(3)	+++++	+++++	+++++	38090	+++++	+++++			
	+++++	+++++					38090	0.000	<-
(4)	+++++	+++++	+++++	64571	+++++	+++++			
	+++++	+++++					64571	0.000	<-
(5)	+++++	+++++	+++++	46337	+++++	+++++			
	+++++	+++++					46337	0.000	<-
36 Aroclor-1268(1)	+++++	+++++	+++++	77697	+++++	+++++			
	+++++	+++++					77697	0.000	<-
(2)	+++++	+++++	+++++	79417	+++++	+++++			
	+++++	+++++					79417	0.000	<-
(3)	+++++	+++++	+++++	52093	+++++	+++++			
	+++++	+++++					52093	0.000	<-

TestAmerica St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-2008 14:15
End Cal Date : 03-NOV-2008 18:01
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103B.b\8082B.m
Last Edit : 04-Nov-2008 08:53 konopkad
Curve Type : Average

Compound	50.000 Level 1 / 2500.000 Level 7	100.000 Level 2 / 4000.000 Level 8	250.000 Level 3	500.000 Level 4	1000.000 Level 5	1500.000 Level 6	RRF	% RSD	
(4)	+++++	+++++	+++++	22841	+++++	+++++			
	+++++	+++++					22841	0.000	<-
(5)	+++++	+++++	+++++	140840	+++++	+++++			
	+++++	+++++					140840	0.000	<-
M 37 PCB (Total)	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
$ 32 Decachlorobiphenyl	399977	402805	309592	405347	367441	394216			
	325385	393256					374752	9.993	

Report Date : 04-Nov-2008 08:57 Page 1

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103B.b\8082B.m
Quant Method : ESTD Target Version : 4.14
Last Update : 04-Nov-2008 08:53 Number of Cpnds : 11
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	500.000000
Initial:End Threshold	30.000000
Initial:Area Threshold	100.000000
Initial:P-P Resolution	2.000000
Initial:Bunch Factor	0.000000
Initial:Negative Peaks	OFF
Initial:Tension	0.200000
0.000:Integrator OFF	n/a
1.800:Integrator ON	n/a
9.000:Integrator OFF	n/a

Compound	RT	RT Window	RF
22 Aroclor-1016	3.038	2.948-3.128	1.27e+004
	3.426	3.336-3.516	2.62e+004
	3.871	3.781-3.961	5.44e+004
	4.001	3.911-4.091	2.16e+004
	4.450	4.360-4.540	1.71e+004
23 Aroclor-1221	2.168	2.078-2.258	4.64e+003
	2.845	2.755-2.935	7.18e+003
	3.038	2.948-3.128	1.65e+004
24 Aroclor-1232	3.037	2.947-3.127	1.35e+004
	3.425	3.335-3.515	1.26e+004
	3.872	3.782-3.962	2.47e+004
	4.860	4.770-4.950	7.67e+003
	5.078	4.988-5.168	7.57e+003
25 Aroclor-1242	3.427	3.337-3.517	2.06e+004
	3.665	3.575-3.755	8.54e+003
	3.872	3.782-3.962	4.25e+004
	4.860	4.770-4.950	1.50e+004
	5.080	4.990-5.170	1.50e+004
26 Aroclor-1248	4.235	4.145-4.325	1.53e+004
	4.451	4.361-4.541	2.17e+004
	4.570	4.480-4.660	2.36e+004
	4.860	4.770-4.950	2.65e+004
	5.080	4.990-5.170	2.50e+004
27 Aroclor-1254	4.855	4.765-4.945	2.45e+004
	5.035	4.945-5.125	2.72e+004
	5.476	5.386-5.566	3.75e+004
	6.021	5.931-6.111	3.24e+004
	6.200	6.110-6.290	4.08e+004

Report Date : 04-Nov-2008 08:57

TestAmerica St. Louis

COMPOUND LISTING

Method file : \\Slsvr01\GC_LAB\Gcp.i\P081103B.b\8082B.m

	Compound	RT	RT Window	RF
	28 Aroclor-1260	5.661	5.571-5.751	3.08e+004
		5.858	5.768-5.948	3.44e+004
		6.198	6.108-6.288	4.45e+004
		6.563	6.473-6.653	2.84e+004
		6.798	6.708-6.888	5.83e+004
	35 Aroclor-1262	5.661	5.571-5.751	2.49e+004
		5.858	5.768-5.948	2.63e+004
		6.285	6.195-6.375	3.81e+004
		6.798	6.708-6.888	6.46e+004
		7.141	7.051-7.231	4.63e+004
	36 Aroclor-1268	7.138	7.048-7.228	7.77e+004
		7.183	7.093-7.273	7.94e+004
		7.424	7.334-7.514	5.21e+004
		7.688	7.598-7.778	2.28e+004
		7.998	7.908-8.088	1.41e+005
M	37 PCB (Total)	1.000	0.920-1.080	
$	32 Decachlorobiphenyl	8.253	8.163-8.343	3.75e+005

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081103B.b/PICV878.D
Report Date: 11/04/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PICV878.D
Analysis Type: SOIL

Injection Date: 03-NOV-2008 16:24
Lab Sample ID: ICV
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081103B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	946.7913	5.3	20.0	
486539264 Aroclor-1260	1000.0000	1008.8136	0.9	20.0	
570425344 Decachlorobiphenyl	50.0000	0.0000	100.0	20.0	<-

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b/PCAL750.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL750.D
Analysis Type: SOIL

Injection Date: 12-DEC-2008 19:19
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1053.7305	5.4	20.0
486539264 Aroclor-1260	1000.0000	1066.8832	6.7	20.0
570425344 Decachlorobiphenyl	50.0000	52.3231	4.6	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b/PCAL750.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL750.D
Analysis Type: SOIL

Injection Date: 12-DEC-2008 19:19
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1061.9676	6.2	20.0	
486539264 Aroclor-1260	1000.0000	1044.5951	4.5	20.0	
570425344 Decachlorobiphenyl	50.0000	52.1503	4.3	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b/PCAL757.D TestAmerica St. Louis
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL757.D
Analysis Type: SOIL

Injection Date: 12-DEC-2008 21:13
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1041.9940	4.2	20.0
486539264 Aroclor-1260	1000.0000	1010.5662	1.1	20.0
570425344 Decachlorobiphenyl	50.0000	50.7886	1.6	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b/PCAL757.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL757.D
Analysis Type: SOIL

Injection Date: 12-DEC-2008 21:13
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1066.6841	6.7	20.0
486539264 Aroclor-1260	1000.0000	1037.4106	3.7	20.0
570425344 Decachlorobiphenyl	50.0000	51.6081	3.2	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b/PCAL763.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL763.D
Analysis Type: SOIL

Injection Date: 12-DEC-2008 22:50
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1026.1662	2.6	20.0
486539264 Aroclor-1260	1000.0000	1052.8068	5.3	20.0
570425344 Decachlorobiphenyl	50.0000	52.4437	4.9	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b/PCAL763.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL763.D
Analysis Type: SOIL

Injection Date: 12-DEC-2008 22:50
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1044.9886	4.5	20.0	
486539264 Aroclor-1260	1000.0000	1111.0660	11.1	20.0	
570425344 Decachlorobiphenyl	50.0000	55.5569	11.1	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b/PCAL774.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL774.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 01:47
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1050.5623	5.1	20.0	
486539264 Aroclor-1260	1000.0000	1088.4026	8.8	20.0	
570425344 Decachlorobiphenyl	50.0000	53.3255	6.7	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b/PCAL774.D TestAmerica St. Louis
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL774.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 01:47
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1080.6162	8.1	20.0
486539264 Aroclor-1260	1000.0000	1100.7578	10.1	20.0
570425344 Decachlorobiphenyl	50.0000	54.4129	8.8	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b/PCAL785.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL785.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 04:43
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1058.9294	5.9	20.0
486539264 Aroclor-1260	1000.0000	995.3967	0.5	20.0
57042S344 Decachlorobiphenyl	50.0000	48.8552	2.3	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b/PCAL785.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL785.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 04:43
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1067.9696	6.8	20.0	
486539264 Aroclor-1260	1000.0000	1006.1169	0.6	20.0	
570425344 Decachlorobiphenyl	50.0000	51.7438	3.5	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b/PCAL794.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL794.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 07:08
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1047.0619	4.7	20.0
486539264 Aroclor-1260	1000.0000	1023.4023	2.3	20.0
570425344 Decachlorobiphenyl	50.0000	50.4447	0.9	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b/PCAL794.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL794.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 07:08
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1052.1975	5.2	20.0
486539264 Aroclor-1260	1000.0000	1005.1583	0.5	20.0
570425344 Decachlorobiphenyl	50.0000	52.6250	5.2	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b/PCAL805.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL805.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 10:04
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1091.3275	9.1	20.0
486539264 Aroclor-1260	1000.0000	1080.8350	8.1	20.0
570425344 Decachlorobiphenyl	50.0000	53.2785	6.6	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b/PCAL805.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL805.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 10:04
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1106.6814	10.7	20.0
486539264 Aroclor-1260	1000.0000	1067.7016	6.8	20.0
570425344 Decachlorobiphenyl	50.0000	54.5045	9.0	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b/PCAL816.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL816.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 13:00
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1131.0650	13.1	20.0	
486539264 Aroclor-1260	1000.0000	1113.6205	11.4	20.0	
570425344 Decachlorobiphenyl	50.0000	54.9920	10.0	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b/PCAL816.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL816.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 13:00
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1130.6866	13.1	20.0
486539264 Aroclor-1260	1000.0000	1091.3465	9.1	20.0
570425344 Decachlorobiphenyl	50.0000	56.8886	13.8	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b/PCAL821.D
Report Date: 12/15/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL821.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 14:20
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1118.7835	11.9	20.0	
486539264 Aroclor-1260	1000.0000	1089.7250	9.0	20.0	
570425344 Decachlorobiphenyl	50.0000	54.4594	8.9	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b/PCAL821.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL821.D
Analysis Type: SOIL

Injection Date: 13-DEC-2008 14:20
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081212B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1106.8684	10.7	20.0	
486539264 Aroclor-1260	1000.0000	1073.8547	7.4	20.0	
570425344 Decachlorobiphenyl	50.0000	57.1440	14.3	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081215A.b/PCAL824.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL824.D
Analysis Type: SOIL

Injection Date: 15-DEC-2008 17:27
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081215A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1034.6168	3.5	20.0	
486539264 Aroclor-1260	1000.0000	996.2355	0.4	20.0	
570425344 Decachlorobiphenyl	50.0000	49.8664	0.3	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081215B.b/PCAL824.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL824.D
Analysis Type: SOIL

Injection Date: 15-DEC-2008 17:27
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081215B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1045.5803	4.6	20.0
486539264 Aroclor-1260	1000.0000	995.1053	0.5	20.0
570425344 Decachlorobiphenyl	50.0000	55.5347	11.1	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081215A.b/PCAL830.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL830.D
Analysis Type: SOIL

Injection Date: 15-DEC-2008 19:05
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081215A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1031.2910	3.1	20.0
486539264 Aroclor-1260	1000.0000	1007.3673	0.7	20.0
570425344 Decachlorobiphenyl	50.0000	50.0518	0.1	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081215B.b/PCAL830.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL830.D
Analysis Type: SOIL

Injection Date: 15-DEC-2008 19:05
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081215B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1015.7605	1.6	20.0	
486539264 Aroclor-1260	1000.0000	989.2535	1.1	20.0	
570425344 Decachlorobiphenyl	50.0000	50.5924	1.2	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081215A.b/PCAL841.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL841.D
Analysis Type: SOIL

Injection Date: 15-DEC-2008 22:03
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081215A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1021.8632	2.2	20.0	
486539264 Aroclor-1260	1000.0000	977.2237	2.3	20.0	
570425344 Decachlorobiphenyl	50.0000	49.3426	1.3	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081215B.b/PCAL841.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL841.D
Analysis Type: SOIL

Injection Date: 15-DEC-2008 22:03
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081215B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1043.2631	4.3	20.0
486539264 Aroclor-1260	1000.0000	996.7241	0.3	20.0
570425344 Decachlorobiphenyl	50.0000	50.9442	1.9	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081215A.b/PCAL848.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL848.D
Analysis Type: SOIL

Injection Date: 15-DEC-2008 23:57
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081215A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1052.6614	5.3	20.0
486539264 Aroclor-1260	1000.0000	1016.3831	1.6	20.0
576425344 Decachlorobiphenyl	50.0000	51.3762	2.8	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081215B.b/PCAL848.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL848.D
Analysis Type: SOIL

Injection Date: 15-DEC-2008 23:57
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081215B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
385875968 Aroclor-1016	1000.0000	1053.9366	5.4	20.0	
486539264 Aroclor-1260	1000.0000	1019.4883	1.9	20.0	
570425344 Decachlorobiphenyl	50.0000	53.4524	6.9	20.0	

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081215A.b/PCAL855.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: Gcp.i
Lab File ID: PCAL855.D
Analysis Type: SOIL

Injection Date: 16-DEC-2008 01:51
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081215A.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1066.8200	6.7	20.0
486539264 Aroclor-1260	1000.0000	1063.3681	6.3	20.0
570425344 Decachlorobiphenyl	50.0000	53.8233	7.6	20.0

Data File: \\Slsvr01\GC_LAB\Gcp.i\P081215B.b/PCAL855.D
Report Date: 12/16/2008

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

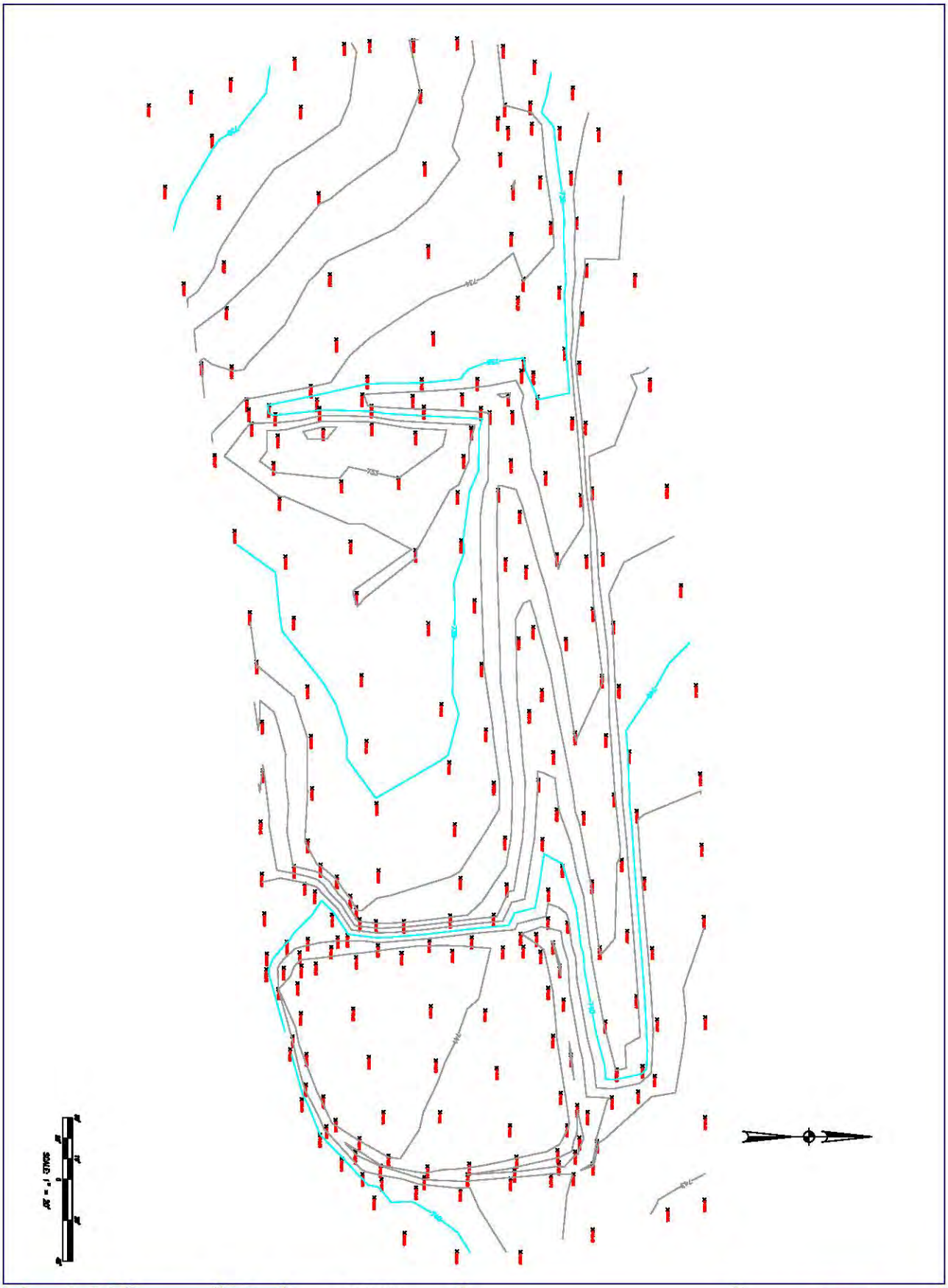
Instrument ID: Gcp.i
Lab File ID: PCAL855.D
Analysis Type: SOIL

Injection Date: 16-DEC-2008 01:51
Lab Sample ID: CCAL
Method File: \\Slsvr01\GC_LAB\Gcp.i\P081215B.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
385875968 Aroclor-1016	1000.0000	1048.4518	4.8	20.0
486539264 Aroclor-1260	1000.0000	1049.5745	5.0	20.0
570425344 Decachlorobiphenyl	50.0000	54.9110	9.8	20.0

ATTACHMENT E

Topographical Maps



Sheet No. 1 OF 1	TOPO SURVEY	Project No.	Scale: 1" = 20'	Date: 7-24-09	

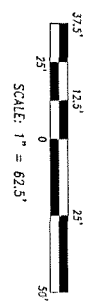
Designed By:
Drawn By: MWS
Checked By:
Approved By:

REVISIONS:

THE MOUND
TOPO SURVEY

TECUMSEH SURVEYING, INC.
642 REGENT ROAD
CINCINNATI, OHIO 45245
TELEPHONE: 513 738-2134
TecumsehSurveying.com

Sample Point Elevations July 2009_B.dgn 9/24/2009 12:15:13 PM



Sheet No. 1 OF 1	SAMPLE POINT LOCATIONS	Project No.	Scale: 1" = 62.5'	Date: 7-23-09	

Designed By:		REVISIONS:	THE MOUND
Drawn By: MWS			
Checked By:			
Approved By:			

TECUMSEH SURVEYING, INC.
642 REGENT ROAD
CINCINNATI, OHIO 45245
TELEPHONE: 513 738-2134
TecumsehSurveying.com

Appendix B

Public Fact Sheet, Newspaper Notices

MOUND

Public Fact Sheet

PRS 441: Soil Staging Area

[Public Review Draft] May 2007

Background

Potential Release Site (PRS) 441 is shown on Figure 1 and includes the soil staging area, rail siding (including a segment formerly part of PRS 75), a small catch basin for runoff and a segment of the site drainage ditch (formerly part of PRS 67). The area is approximately 3.3 acres and is located north of OU-1. There are multiple small structures, including sheds and mobile office units on the area. Some of the PRS 441 facilities have been previously removed and/or partially remediated. The rail siding was used for loading and unloading packaged materials and packaged wastes for the polonium, thorium, and plutonium projects during the 1950s, 60s, and 70s.

The staging and shipping of soil in PRS 441 began in the 1990s as part of the Miami-Erie Canal remediation project. In the late 1990s, the PRS 441 soil staging area was expanded to accommodate the increasing volume of low level radioactive waste soils and debris being shipped from the site. In 2002 and 2004, the staging area was again expanded to accommodate increased volumes of contaminated soils related to the accelerated site closure schedule. The soil staging area received characterized waste destined for disposal at Clive, UT. The waste material originated from various PRSs across the site. The waste was characterized at the dig site, hauled to the staging area where it was inventoried and shipped via rail to Clive, UT. In 2005, waste materials excavated from PRS 11 (part of OU-1) were shipped from the PRS 441 rail area. Additional waste materials excavated from OU-1 are also scheduled to be shipped from PRS 441 in 2007.

PRS 441 includes parts of the former PRS 67 area and the PRS 75 area. The proximity of PRS 67 and 75 along with the respective identified contaminants of concern (COCs) and historic use of the PRSs support the inclusion and investigation of these areas with PRS 441. Figure 2 provides a more detailed map of the PRS 441 area.

Figure 1. Location of PRS 441

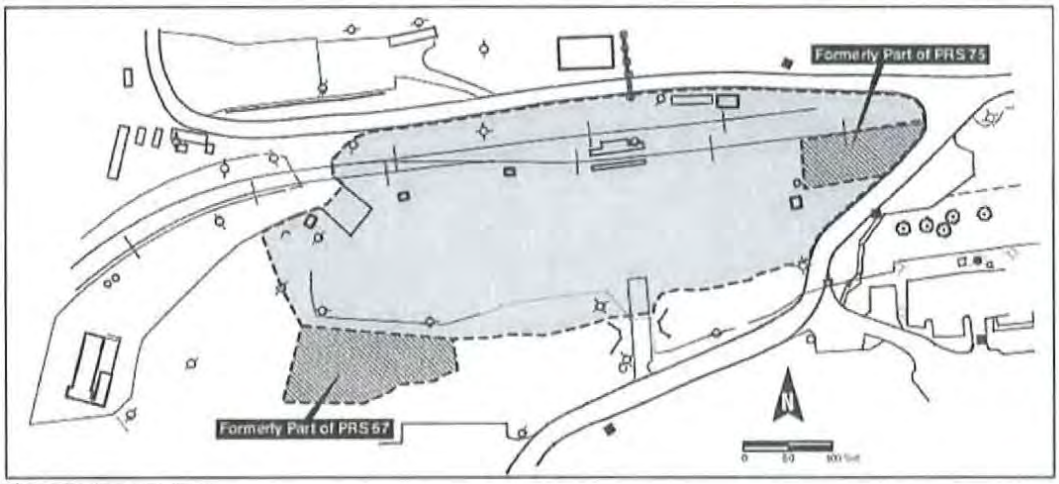


Figure 2. PRS 441 vicinity

Characterization

Maximum historic sample results, background concentrations and Cleanup Objectives (COs) are presented in the Radiological COCs Table (units are in pCi/g) and constitute the COCs for PRS 441. The COCs also considered the radiologically contaminated soils and debris brought to the area for staging and shipment for final off-site disposal. Other COCs, such as Volatile Organic Compounds (VOCs) and tritium, will be considered for inclusion as COCs based on the contaminated waste staged in PRS 441.

Radiological COCs Table

Analyte	Bkgd** (pCi/g)	Maximum Value (pCi/g)	Cleanup Objective* (pCi/g)
Actinium-227	0.11	1.14	4.6
Americium-241	ND	0.82	63
Cesium-137	0.42	0.41	3.8
Cobalt-60	NC	0.21	0.7
Lead-210	1.2	34.95	7.4
Radium-226	2.0	5.07	2.9
Thorium-228	1.5	14.89	2.6
Thorium-230	1.9	29.07	2.8
Thorium-232	1.4	223	2.1
Plutonium-238	0.13	1780	55
Bismuth-207	ND	18.72	1.2
Protactinium-231	0.11	82.47	4.0
Silver-108m	NC	3.17	1.22
Bismuth-210m	ND	106.7	8.3
Uranium-238	1.2	–*	2.2

* risk criteria, ** background soil concentration
NC= Not Calculated, ND= Not Detected
*Concentration to be based on OU-1 excavation.

Based on the above results and historic and current (storage of contaminated waste) use of the area, the Core Team recommended the remediation of the PRS 441 Soil Staging Area and Expansion Area. PRS 441 was binned a removal action on March 1, 2005.

This fact sheet describes the general processes intended to be used during the PRS 441 remediation work and may be subject to change based on field conditions.

The Work Plan for PRS 441 will provide specific information on the processes used to safely conduct the work. Erosion and runon/runoff controls will be managed per the site's Stormwater Pollution Prevention Plan (SWP3). Sampling of the site's outfalls in accordance with National Pollutant Discharge Elimination System (NPDES) and Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Authorization to Discharge (if necessary) will continue during the remediation work. Groundwater sampling will also be performed in accordance with the site's standard practices and frequency. Fugitive dust will be controlled with water misting and wetting of soil surfaces. Local

work area air samplers and site ambient air monitoring samplers will be operated during the remediation work activities.

Based on the PRS 441 sampling data, the main area associated with historical contamination requiring remedial action is the load area located in the north central portion of PRS 441, along the rail spur. If additional contamination is found in PRS 441, the impacted soil and debris will be excavated and removed.

There were no chemical VOCs that exceeded the screening criteria in the historical analysis, although VOC-contaminated waste was staged in PRS 441. Field screening methods used at or near the excavation will include a walkover using instrumentation to detect gross chemical contaminants. If any additional contaminants not already listed as COCs are identified during excavation and characterization, they will be included in the final survey design. Verification sampling will be performed across the entire area of PRS 441.

As stated earlier in this fact sheet, some of the remediation processes described in the following paragraphs may be subject to change based on field conditions.

Excavation and disposal of the staging and loading area of PRS 441 will proceed from the perimeter toward the tracks. A minimum of a 2:1 slope will be maintained on both sides of the active portions of the siding. As the area is remediated, water runoff controls will be employed to prevent recontamination by adjacent areas. No additional soils or waste materials will be staged in a remediated area after the verification sampling has occurred. A walkover survey using field screening instruments will be performed before excavation. Excavation of the areas requiring remediation will be conducted in two foot lifts. After a lift is removed, the area will be resurveyed with field instruments to determine if additional excavation is required. When field screening indicates the area has been remediated to below COs or risk based criteria, a Final Verification Survey will be performed. Post-excavation sampling will be performed within the PRS 441 area per the Core Team-approved Verification Sampling & Analysis Plan (VSAP).

The area will be remediated in a manner to allow rail spur operations to continue off-site waste shipments as excavation occurs in the PRS 441 area. The contaminated gravel, pavement and soil wastes from PRS 441 will be characterized and loaded into gondola rail cars for transportation. During the excavation activities, a minimum of a 2:1 slope will be maintained adjacent to the active rail spur to ensure stability. The final contaminated wastes will need to be shipped after removal of the rail spur. As the tracks are removed, excavation of the underlying soils will follow. This remaining soil and debris will be loaded into rail cars residing on the north/south track. The soil within approximately the last 60 yards of the rail line in PRS 441 will be placed into gondola rail cars. Rails will be removed in sections and either reused at other offsite locations or disposed as waste if no reuse options are identified.

The excavated areas in PRS 441 will be backfilled and graded to allow proper drainage.

Schedule

This Fact Sheet will be in public review for 30 days. The PRS 441 remediation work is planned to begin in the Summer of 2007 and be completed in Fall 2007. A summary of the remediation work and the verification data will be included in the On-Scene Coordinator (OSC) Report. The OSC Report will be placed in the public reading room after the conclusion of the verification sampling and approval by the Core Team.

Cost

The remediation work associated with the removal of approximately 7,900 yd^3 of waste materials and verification activities are expected to cost about $2.9 million.

Additional Information

Additional information can be found in the public reading room, or by contacting Paul Lucas (DOE-Mound) at 937-847-8350, ext. 301.

Thursday, July 26, 2007

The Miamisburg West Carrollton NEW

Mound Site, Miamisburg, OH

Fact Sheet

In accordance with the Action Memorandum (July 2002), Contingent Removal Action (Final), the following document is available (August 1, 2007) for public information in the CERCLA Public Reading Room, Mound View Legacy Building, 955 Mound Road, Miamisburg, Ohio (Hours: 8 am-5 pm, Monday-Thursday)

PRS 441

Fact Sheet

The PRS 441 Fact Sheet provides information on the contaminants of concern associated with the remediation activities scheduled for the area.

Questions can be referred to: Mr. Paul Lucas (U.S. Department of Energy) at 937-847-8350 ext. 301.

U.S. Department of Energy
U.S. Environmental Protection Agency
Ohio Environmental Protection Agency

Appendix C

Photos

Dayton Daily News

AFFIDAVIT OF PUBLICATION

P.O. Box 643080
Cincinnati, OH 45264-3080
937-225-2107

ENVIRONMENTAL AYALYSIS AND SOLUTIONS LLC
HAMILTON, OH 45011

STATE OF OHIO

Mound Site, Miamisburg, OH

FACT SHEET

In accordance with the Action Memorandum (July 2002), Contingent Removal Action (Final), the following document is available (August 1, 2007) for public information in the CERCLA Public Reading Room, Mound View Legacy Building, 955 Mound Road, Miamisburg, Ohio. (Hours: 8 am-5 pm, Monday - Thursday)

PRS 441, Fact Sheet

The PRS 441 Fact Sheet provides information on the contaminants of concern associated with the remediation activities scheduled for the area.

Questions can be referred to:
Mr. Paul Lucas (U.S. Department of Energy) at (937) 847-8350 ext. 301

U.S. Department of Energy
U.S. Environmental Protection Agency
Ohio Environmental Protection Agency

9435264 7-25,29/07

Before me, the undersigned, a Notary public in and for said County, personally came Tina Kimball who being first duly sworn says he/she is the Legal Advertising Agent of the Dayton Daily News, which he/she says is a newspaper of general circulation in Montgomery, Clark, Warren, Butler, Clinton, Greene, Preble, Miami, Darke, Mercer, Shelby, Fayette, Logan, Hamilton, Clermont, Auglaize, and Champaign Counties, and State of Ohio, and he/she further says that the Legal Advertisement, a copy of which is hereunto attached, has been published in the said Dayton Daily News 25 Lines, 1 Time(s), last day of publication being 7/29/2007, and he/she further says that the bona fide daily paid circulation of the said Dayton Daily News was over (25000) at the time the said advertisement was published, and that the price charged for same does not exceed the rates charged on annual contract for the like amount of space to other advertisers in the general display advertising columns.

Signed Tina Kimball

Sworn or affirmed to, and subscribed before me, this 7/30/2007. In Testimony Whereof, I have hereunto set my hand and affixed my official seal, the day and year aforesaid.

Notary Public

Invoice No.	9435264
Ad Cost	217.30 ~~$414.10~~
Paid	$0.00
Due	217.30 ~~$414.10~~

LORNA M. FOER, Notary Public
In and for the State of Ohio
My Commission Expires July 4, 2018

Rail spur during active use looking south (July 2008)

Rail spur prior to excavation looking south (August 2008)

Excavation begins looking west (September 2008)

Excavation in process looking east (November 2008)

Excavation in process looking west (November 2008)

Loading railcar looking east (February 2009)

Excavation of SU3 looking east (March 2009)

SU3 flagged for verification sampling looking south (March 2009)

Completion of backfill looking east (July 2009)

Preparation of new rail bed looking east (July 2009)