
DOE/OR/21548-795
CONTRACT NO. DE-AC05-86OR21548

CLOSURE REPORT FOR THE ENGINEERING SOIL SAMPLING PLAN FOR ARMY AND MDC VICINITY PROPERTIES

WELDON SPRING SITE REMEDIAL ACTION PROJECT
WELDON SPRING, MISSOURI

SEPTEMBER 1999

REV. 0



U.S. Department of Energy
Oak Ridge Operations Office
Weldon Spring Site Remedial Action Project

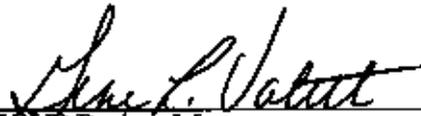
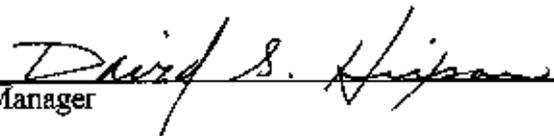
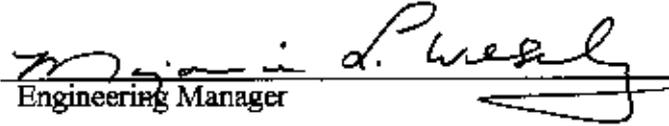
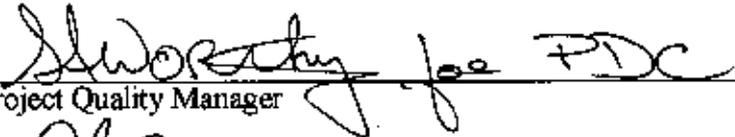
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DOE/OR/21548-795

Weldon Spring Site Remedial Action Project

Closure Report for the Engineering Soils Sampling Plan for
Army and MDC Vicinity Properties

Revision 0

September 1999

Prepared by

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U.S. DEPARTMENT OF ENERGY
Oak Ridge Operations Office
Under Contract DE-AC05-86OR21548

ABSTRACT

The *Closure Report for the Engineering Soils Sampling Plan for Army and MDC Vicinity Properties* details the soil characterization activities performed within vicinity properties Department of the Army 1 (DA 1), DA 2, DA 3, DA 5, and Missouri Department of Conservation 3 (MDC 3), MDC 4, and MDC 5. The characterization activities were focused on better defining the areas to be remediated based on evaluations of risk to human health and the environment. This report summarizes samples collected and analyzed, field instrumentation required, quality control results, and notes deviations or modifications from the original sampling plan. The analytical results of this sampling activity were used to support engineering design for remediation of the respective vicinity properties in addition to providing adequate data in estimating the volume of soil requiring removal. Remedial design documents are not addressed within this report.

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1. INTRODUCTION

1.1 Purpose

The purpose of this report is to summarize the sampling activities conducted under the *Engineering Soil Sampling Plan for Army and MDC Vicinity Properties* (Ref. 1) in accordance with the *Sample Management Guide* (Ref. 2).

1.2 Scope

This report details the soil sampling activities performed in both U.S. Department of the Army and Missouri Department of Conservation vicinity properties and summarizes samples collected and analyzed, field instrumentation required, quality control results, and notes deviations or modifications from the original sampling plan.

1.3 Background

Soil sampling activities were conducted within vicinity properties U.S. Department of the Army 1 (DA 1), DA 2, DA 3, DA 5, and Missouri Department of Conservation 3 (MDC 3), MDC 4, and MDC 5 under the *Engineering Soils Sampling Plan for Army and MDC Vicinity Properties*. The sampling plan was used to provide additional characterization for radiological contaminants of concern and delineate the lateral/vertical extent of radiological soil contamination to quantify excavation cut lines.

Analytical data within this closure report were compared to cleanup criteria for soils identified within the *Record of Decision (ROD) for Remedial Action at the Chemical Plant Area of the Weldon Spring Site* (Ref. 3). Vicinity property soils exceeding the ROD cleanup criteria were to be excavated and disposed of within an engineered disposal cell designed and constructed specifically for Weldon Spring site wastes. The data were also used to determine the upper limit or volume estimate of contaminated soils that required excavation and placement in the disposal cell. The ROD cleanup criteria levels are summarized in Table 1-1.

Table 1-1 ROD Radionuclide Contaminant Cleanup Criteria

Radionuclide (pCi/g)	Surface Criteria (0 in. - 6 in.)	Subsurface Criteria (>6 in.)
Radium-226	6.2	16.2
Radium-228	6.2	16.2
Thorium-230	6.2	16.2
Thorium-232	6.2	16.2
Uranium-238	120.0	120.0

Prior to sampling the specified vicinity properties, walkover scans were performed using 2x2 sodium iodide (NaI) detectors. The walkover scans focused on identifying U-238, Ra-226, and Ra-228 occurrences. The scans were generally performed on a grid with a 20 ft node-to-node spacing. Localized variations were implemented in areas where obstructions did not allow adherence to the grid or where the contamination configuration dictated a narrower, more linear grid pattern.

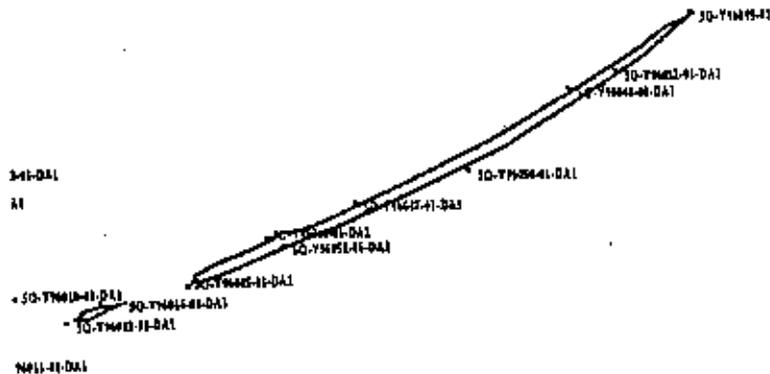
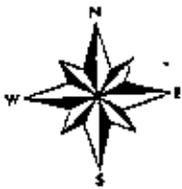
In addition to the survey measurements taken on the prescribed sampling grid, the walkovers were used to establish the contamination perimeter for each of the vicinity properties. To accomplish this, a contamination boundary was established at a 1.5 x background. Once this boundary had been defined, an excavation cut line was identified that was offset 0.91 m (2 ft) out from the established contamination boundary. This offset minimized uncertainty that all of the contaminants had been excavated by providing a buffer of background-level material around the contamination zone. Sampling activities began on October 19, 1996, and were completed by June 16, 1997.

2. SAMPLE LOCATIONS

Sample locations outlined in the sampling plan represented sample intervals of approximately one sample per every 270 sq ft of soil or sediment with a range from one sample per every 15 sq ft to one sample per every 615 sq ft. The characterization data for the contaminated soils and sediments located within the vicinity properties was an attempt to qualify engineering estimates for soil removal volumes and to be accurate to within +/- 25% of the actual quantity. Confirmation sampling was also to occur upon completion of the defined remediation. Therefore, the number of samples chosen to define the vertical extent of contamination was determined to achieve the aforementioned goals and to be cost effective in defining remedial design quantity limitations. Sample locations are detailed in the *Engineering Soils Sampling Plan for Army and MDC Vicinity Properties* (Ref. 1) and are shown on Figures 2-1 through 2-9. Figure 2-10 details the location of the vicinity properties in relationship to the Weldon Spring site. The sample locations were surveyed prior to sampling. The suffix of the sample ID number has been omitted from the coordinate table (Table 2-1) because northing and easting coordinates will be the same regardless of the sample depth. A total of two sample locations was confirmed to be offset from the original sample locations specified in the sampling plan. The offset sample locations are in bold typeset within Table 2-1.

Several sample location coordinates could not be located for DA 1, DA 2, and MDC 5. DA 1 Sample Locations SO-V96043 through SO-V96053 were in the original sampling plan and analytical data were obtained; however, no records indicating that the sample locations had been surveyed were found. For this closure report, sample location coordinates were taken directly from the sampling plan and do not include surface elevations or offsets that may have been made in the field. DA 1 Sample Locations SO-V97054, SO-V97055, and DA 2 Sample Location SO-V96031 were added to the sampling plan, sampled in March of 1997, and analytical data was obtained; but no record of the sample locations was found.

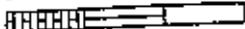
From March of 1997 through June of 1997, the Project Management Contractor (PMC) searched for the exact location of MDC 5. An additional 82 samples were added to the original two sample location in the sampling plan. Th-230 was added to the parameter list of Ra-226, Ra-228, and U-238. It was undetermined whether contamination still existed within the drainage way from the 55-gallon drum cleanup performed in May of 1988. Informational samples were taken of potential MDC 5 locations designated as Areas 1 through 7 along the drainage way. For this closure report, it is assumed that the reason 22 of the 82 sample locations were never surveyed was that no Th-230 contamination was detected. The main objective was to determine the existence of Th-230 contamination and to do this as inexpensively as possible. The remaining 60 sample locations were within the contaminated area designated as MDC 5 and are detailed in Table 2-1.



40 20 0 40 80 FEET



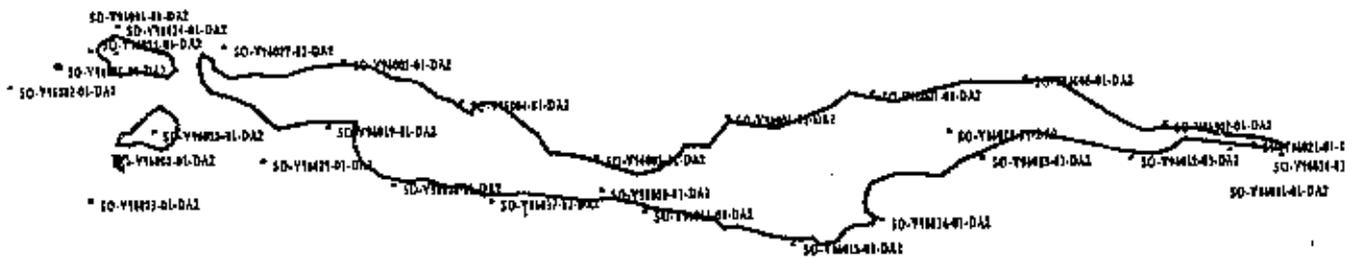
10 5 0 10 20 METERS



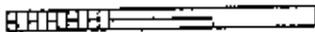
DAIRR SAMPLE LOCATIONS

Figure 2-2

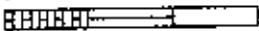
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ORIGINATOR:	RLB	DRAWN BY:	LGB
		DATE:	03/97



40 20 0 40 80 FEET



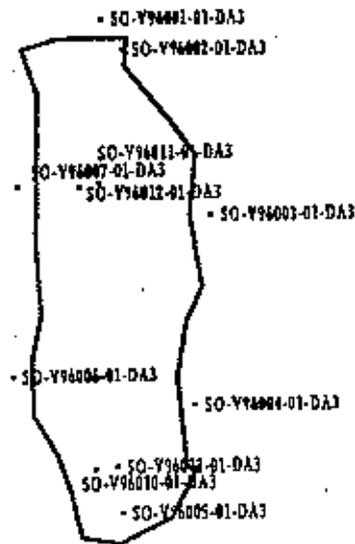
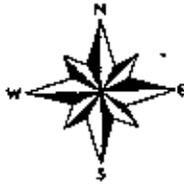
10 5 0 10 20 METERS



DA2 SAMPLE LOCATIONS

Figure 2-3

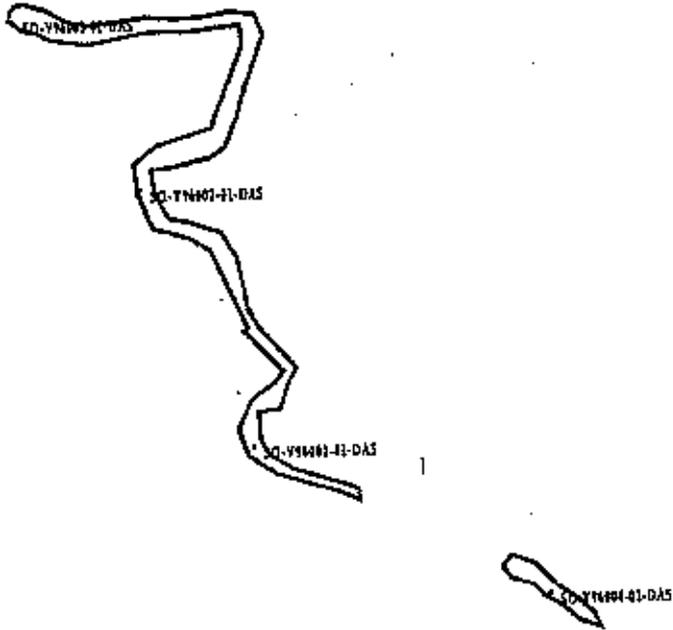
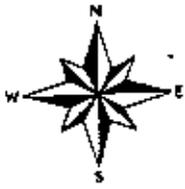
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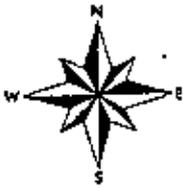
DA3 SAMPLE LOCATIONS

Figure 2-4

REPORT NO.:	DOE/OR/21548-795	EXHIBIT NO.:	A/VP/005/0397
ORIGINATOR:	RLB	DRAWN BY:	LGB
		DATE:	03/97



DA5 SAMPLE LOCATIONS			
Figure 2-5			
REPORT NO.:	DOE/OR/21548-795	EXHIBIT NO.:	A/VP/006/0397
ORIGINATOR:	RLB	DRAWN BY:	LGB
		DATE:	03/97



60-Y96001-01-MDC3

60-Y96004-01-MDC3

60-Y96005-01-MDC3

60-Y96006-01-MDC3

60-Y96002-01-MDC3
60-Y96007-01-MDC3

60-Y96008-01-MDC3
60-Y96009-01-MDC3

20 10 0 20 40 FEET

5 2.5 0 5 10 METERS

MDC3 SAMPLE LOCATIONS

Figure 2-6

REPORT NO.:	DOE/OR/21548-795	EXHIBIT NO.:	A/VP/007/0397
ORIGINATOR:	RLB	DRAWN BY:	LGB
		DATE:	03/97



SD-Y1001-01-MDC1
SD-Y1102-01-MDC1
SD-Y1203-01-MDC1
SD-Y1304-01-MDC1
SD-Y1405-01-MDC1

SD-Y1506-01-MDC1
SD-Y1607-01-MDC1

40 20 0 40 80 FEET
[Scale bar with markings at 0, 20, 40, 80 feet]

10 5 0 10 20 METERS
[Scale bar with markings at 0, 5, 10, 20 meters]

MDC4 SAMPLE LOCATIONS

Figure 2-7

REPORT NO.:	DOE/OR/21548-795	EXHIBIT NO.:	A/VP/008/0397
ORIGINATOR:	RLB	DRAWN BY:	LGB
		DATE:	03/97



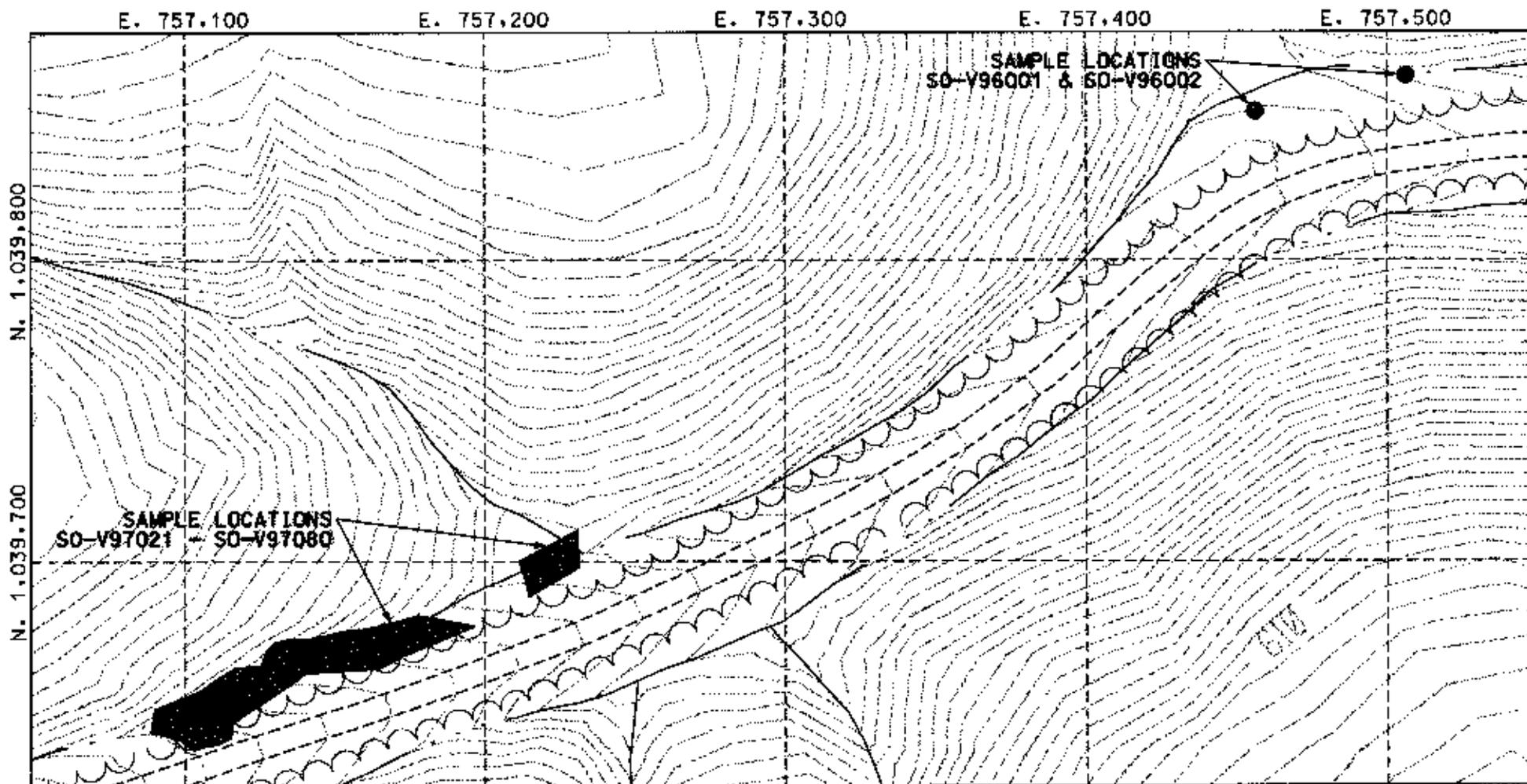
50-V96011-01-MDC4
50-V96008-01-MDC4
50-V96009-01-MDC4



MDC4 SAMPLE LOCATIONS

Figure 2-8

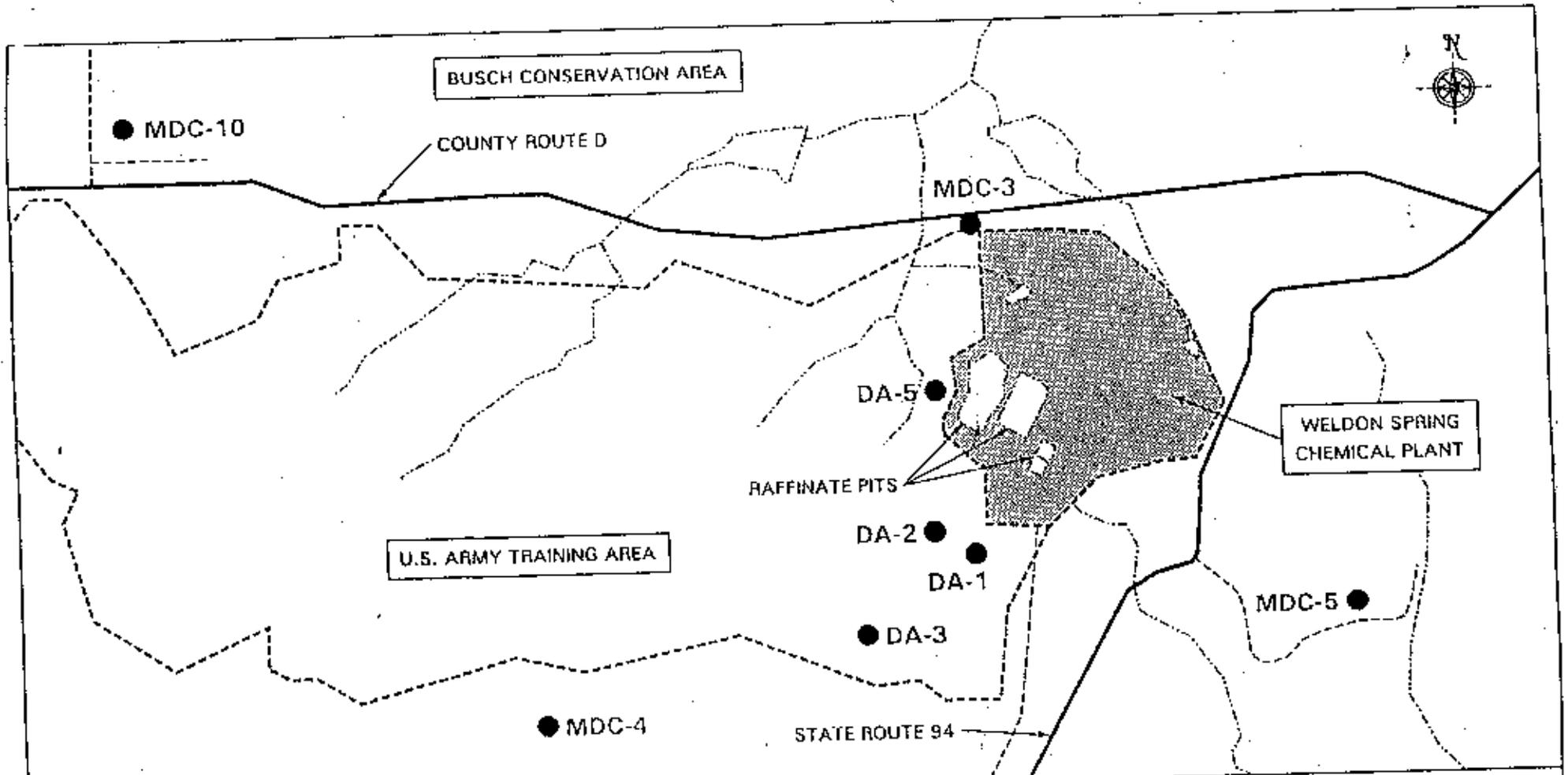
REPORT NO.:	DOE/OR/21548-795	EXHIBIT NO.:	A/VP/009/0397
ORIGINATOR:	RLB	DRAWN BY:	LGB
		DATE:	03/97



MDC-5 SAMPLE LOCATIONS

FIGURE 2-9

REPORT NO.:	DOE/OR/21548-795	EXHIBIT NO.:	A/VP/022/0999
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		DATE:	9/1/99



VICINITY PROPERTIES

FIGURE 2-10

NOT TO SCALE

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ORIGINATOR: LVK	DRAWN BY: GLN
DATE: 7/2/97	

Table 2-1 Vicinity Properties Sample Location Coordinates

Vicinity Property/ Sample ID Number	Northing	Easting	Surface Elevation
DA 1			
SO-V96001	1040978.50	753343.62	654.58
SO-V96002	1040961.73	753353.85	655.18
SO-V96003	1040942.51	753355.34	655.55
SO-V96004	1040923.61	753365.84	656.58
SO-V96005	1040942.51	753361.18	655.78
SO-V96006	1040941.96	753378.14	656.26
SO-V96007	1040933.26	753411.17	657.86
SO-V96008	1040944.30	753418.03	657.76
SO-V96009	1040923.25	753450.13	659.95
SO-V96010	1040835.84	753517.95	664.93
SO-V96011	1040809.61	753505.49	664.78
SO-V96012	1040806.83	753485.94	664.65
SO-V96013	1040810.45	753427.50	664.18
SO-V96014	1040830.42	753373.52	658.85
SO-V96015	1040834.66	753316.67	657.19
SO-V96016	1040851.99	753315.10	656.09
SO-V96017	1040842.07	753346.04	657.68
SO-V96018	1040866.37	753368.85	658.24
SO-V96019	1040902.46	753356.55	656.67
SO-V96020	1040909.50	753338.76	655.92
SO-V96021	1040924.51	753303.23	654.38
SO-V96022	1040924.81	753339.68	655.79
SO-V96023	1040941.85	753343.79	655.52
SO-V96024	1040786.97	753410.40	663.09
SO-V96025	1040773.60	753417.03	661.59
SO-V96026	1040776.98	753399.30	661.40
SO-V96027	1041038.33	753337.13	662.62
SO-V96028	1040998.39	753341.40	663.85
SO-V96029	1040931.76	753282.66	653.55
SO-V96030	1040943.12	753244.18	652.35
SO-V96031	1040891.63	753280.98	653.71
SO-V96032	1040903.06	753270.46	653.55
SO-V96033	1040889.33	753496.48	663.29
SO-V96034	1040848.43	753254.83	654.89
SO-V96035	1040869.68	753298.06	654.71
SO-V96036	1040831.72	753343.36	657.45
SO-V96037	1040847.29	753405.49	660.40
SO-V96038	1040858.24	753437.49	661.34
SO-V96039	1040877.84	753481.98	662.41
SO-V96040	1040900.41	753398.59	657.99
SO-V96041	1040907.46	753450.24	660.33
SO-V96042	1040911.57	753350.12	656.29

Table 2-1 Vicinity Properties Sample Location Coordinates (Continued)

Vicinity Property/ Sample ID Number	Northing	Easting	Surface Elevation
DA 1 cont'd			
SO-V96043	1040825.50	753538.56	Not Available
SO-V96044	1040833.45	753552.47	Not Available
SO-V96045	1040838.68	753589.04	Not Available
SO-V96046	1040857.75	753622.04	Not Available
SO-V96047	1040870.80	753659.45	Not Available
SO-V96048	1040914.84	753749.18	Not Available
SO-V96049	1040945.13	753801.13	Not Available
SO-V96050	1040882.38	753707.05	Not Available
SO-V96051	1040779.59	753413.14	Not Available
SO-V96052	1040921.55	753768.52	Not Available
SO-V96053	1040779.59	753538.56	Not Available
SO-V96054	Sample point not in original sampling plan.		
SO-V96055	Sample point not in original sampling plan.		
DA 2			
SO-V96001	1040976.77	752457.01	666.65
SO-V96002	1040935.48	752469.90	667.58
SO-V96003	1040971.08	752554.11	666.14
SO-V96004	1040954.29	752599.64	666.89
SO-V96005	1040931.93	752551.81	667.21
SO-V96006	1040946.27	752702.35	665.89
SO-V96007	1040954.30	752758.82	663.49
SO-V96008	1040959.88	752817.75	660.95
SO-V96009	1040939.84	752871.65	658.43
SO-V96010	1040926.21	752918.80	656.89
SO-V96011	1040929.00	752896.74	657.17
SO-V96012	1040927.25	752858.33	658.70
SO-V96013	1040928.11	752800.99	661.46
SO-V96014	1040905.11	752761.62	667.13
SO-V96015	1040895.97	752727.44	667.18
SO-V96016	1040910.07	752670.03	667.21
SO-V96017	1040915.66	752610.88	667.67
SO-V96018	1040922.71	752572.80	667.39
SO-V96019	1040945.30	752547.89	666.47
SO-V96020	1040938.36	752767.84	661.92
SO-V96021	1040930.75	752905.97	656.92
SO-V96022	1040963.23	752425.01	667.61
SO-V96023	1040918.37	752456.23	669.13
SO-V96024	1040988.25	752467.75	665.85
SO-V96025	1040970.49	752444.29	667.55
SO-V96026	1040975.41	752467.03	666.64
SO-V96027	1040977.16	752508.49	665.25
SO-V96028	1040944.73	752481.13	667.47
SO-V96029	1040932.63	752523.02	668.29
SO-V96030	1040918.61	752653.50	667.68

Table 2-1 Vicinity Properties Sample Location Coordinates (Continued)

Vicinity Property/ Sample ID Number	Northing	Easting	Surface Elevation
DA 2 cont'd			
SO-V96031	Sample point not in original sampling plan.		
DA 3			
SO-V96001	1040119.91	751703.99	662.70
SO-V96002	1040116.75	751706.13	662.74
SO-V96003	1040099.66	751715.07	662.29
SO-V96004	1040079.75	751713.38	662.65
SO-V96005	1040068.78	751705.64	662.90
SO-V96006	1040083.04	751694.55	663.02
SO-V96007	1040102.67	751695.25	662.88
SO-V96008	1040051.90	751723.55	662.26
SO-V96009	1040041.49	751728.16	661.84
SO-V96010	1040073.58	751702.91	663.20
SO-V96011	1040103.09	751703.42	662.96
SO-V96012	1040102.72	751701.56	663.09
SO-V96013	1040073.51	751705.18	663.15
SO-V96014	1040044.95	751722.58	662.04
DA 5			
SO-V96001	1043170.97	752595.97	611.52
SO-V96002	1043279.20	752551.72	610.17
SO-V96003	1043350.45	752500.00	607.96
SO-V96004	1043107.25	752716.78	614.38
MDC 3			
SO-V96001	1045382.13	754088.22	616.49
SO-V96002	1045337.80	754117.31	619.17
SO-V96003	1045275.71	754142.84	615.71
SO-V96004	1045377.90	754091.55	616.76
SO-V96005	1045371.42	754092.91	618.71
SO-V96006	1045363.34	754096.08	621.12
SO-V96007	1045336.69	754112.44	619.96
SO-V96008	1045277.48	754135.75	616.48
MDC 4			
SO-V96001	1039281.09	747089.67	702.85
SO-V96002	1039277.11	747122.60	702.85
SO-V96003	1039284.81	747107.20	702.72
SO-V96004	1039252.02	747083.58	702.74
SO-V96005	1039256.74	747043.27	701.88
SO-V96006	1039160.45	747489.75	697.51
SO-V96007	1039148.71	747455.60	702.71
SO-V96008	1038743.07	747462.15	708.54
SO-V96009	1038736.70	747436.58	706.64
SO-V96010	1039156.55	747461.06	702.70
SO-V96011	1038747.54	747448.12	708.75
SO-V96012	1039252.02	747062.17	702.07

Table 2-1 Vicinity Properties Sample Location Coordinates (Continued)

Vicinity Property/ Sample ID Number	Northing	Easting	Surface Elevation
MDC 5			
SO-V96001	1039860.98	757506.27	552.65
SO-V96002	1039848.14	757456.46	556.78
SO-V97001		Informational Samples. No surveyed coordinates.	
SO-V97002		Informational Samples. No surveyed coordinates.	
SO-V97003		Informational Samples. No surveyed coordinates.	
SO-V97004		Informational Samples. No surveyed coordinates.	
SO-V97005		Informational Samples. No surveyed coordinates.	
SO-V97006		Informational Samples. No surveyed coordinates.	
SO-V97007		Informational Samples. No surveyed coordinates.	
SO-V97008		Informational Samples. No surveyed coordinates.	
SO-V97009		Informational Samples. No surveyed coordinates.	
SO-V97010		Informational Samples. No surveyed coordinates.	
SO-V97011		Informational Samples. No surveyed coordinates.	
SO-V97012		Informational Samples. No surveyed coordinates.	
SO-V97013		Informational Samples. No surveyed coordinates.	
SO-V97014		Informational Samples. No surveyed coordinates.	
SO-V97015		Informational Samples. No surveyed coordinates.	
SO-V97016		Informational Samples. No surveyed coordinates.	
SO-V97017		Informational Samples. No surveyed coordinates.	
SO-V97018		Informational Samples. No surveyed coordinates.	
SO-V97019		Informational Samples. No surveyed coordinates.	
SO-V97020		Informational Samples. No surveyed coordinates.	
SO-V97021	1039668.98	757133.09	584.26
SO-V97022	1039659.75	757131.63	584.16
SO-V97023	1039659.91	757122.33	585.66
SO-V97024	1039659.66	757135.88	584.99
SO-V97025	1039656.02	757123.60	586.64
SO-V97026	1039663.12	757139.99	584.94
SO-V97027	1039668.38	757139.33	584.42
SO-V97028	1039671.11	757131.90	588.29
SO-V97029	1039665.19	757125.69	586.10
SO-V97030	1039655.30	757117.80	587.00
SO-V97031	1039656.21	757130.59	586.02
SO-V97032	1039651.20	757122.60	588.10
SO-V97033	1039653.28	757115.68	586.72
SO-V97034	1039659.33	757115.29	587.88
SO-V97035	1039664.98	757122.32	588.04
SO-V97036	1039670.00	757127.10	589.27
SO-V97037	1039672.90	757130.14	589.88
SO-V97038	1039674.18	757135.26	588.80
SO-V97039	1039671.82	757137.75	587.23
SO-V97040	1039654.07	757113.14	587.61
SO-V97041	1039648.22	757115.97	589.38
SO-V97042	1039648.00	757112.45	588.63

Table 2-1 Vicinity Properties Sample Location Coordinates (Continued)

Vicinity Property/ Sample ID Number	Northing	Easting	Surface Elevation
MDC 5 cont'd			
SO-V97043	1039644.95	757112.26	590.16
SO-V97044	1039650.75	757110.79	588.16
SO-V97045	1039652.77	757108.57	587.16
SO-V97046	1039656.27	757108.73	588.18
SO-V97047	1039656.88	757104.95	588.79
SO-V97048	1039662.01	757112.46	589.44
SO-V97049	1039664.37	757116.67	589.56
SO-V97050	1039649.73	757105.35	587.69
SO-V97051	1039663.46	757145.47	584.79
SO-V97052	1039666.25	757145.79	584.14
SO-V97053	1039669.00	757144.28	583.36
SO-V97054	1039671.14	757142.24	584.49
SO-V97055	1039673.96	757140.81	587.36
SO-V97056	1039651.04	757090.29	589.91
SO-V97057	1039643.57	757088.96	590.88
SO-V97058	1039673.15	757152.39	581.86
SO-V97059	1039668.88	757151.48	582.78
SO-V97060	1039674.14	757150.47	582.55
SO-V97061	1039641.56	757115.23	590.24
SO-V97062	1039639.49	757110.95	590.66
SO-V97063	1039638.71	757106.02	591.15
SO-V97064	1039641.68	757102.32	590.82
SO-V97065	1039676.10	757150.01	584.85
SO-V97066	1039676.94	757154.70	584.39
SO-V97067	1039677.32	757158.85	583.00
SO-V97068	1039679.25	757168.62	580.51
SO-V97069	1039681.96	757177.48	577.94
SO-V97070	1039688.88	757172.42	583.02
SO-V97071	1039684.50	757164.22	584.54
SO-V97072	1039678.38	757198.01	581.84
SO-V97073	1039637.49	757102.85	591.46
SO-V97074	1039640.46	757098.98	591.23
SO-V97075	1039688.58	757214.99	577.44
SO-V97076	1039684.81	757213.41	576.69
SO-V97077	1039689.99	757211.60	576.88
SO-V97078	1039710.07	757230.57	575.49
SO-V97079	1039703.57	757230.79	575.45
SO-V97080	1039698.35	757231.25	575.45
SO-V97081	Informational Samples. No surveyed coordinates.		
SO-V97082	Informational Samples. No surveyed coordinates.		

3. SAMPLE COLLECTION AND ANALYSIS

Samples were collected at each location in 1-ft intervals from the surface to a maximum depth of 7 ft. Typical maximum sample depths ranged from 2 ft to 4 ft and were determined either by sample refusal or until two successive soil samples from the sample location were less than 500 counts per minute (cpm). For sample locations with a total depth of 1 ft or less, samples were collected using a trowel. Samples taken from locations with a total depth greater than 1 ft were collected using a gasoline-powered auger retrofitted with a split spoon attachment. The samples were containerized and transported to either the Weldon Spring Radiological Laboratory or a contracted off-site laboratory. The following radiological parameters were analyzed: Ra-226, Ra-228, Th-230, and U-238. Analyses were performed under the following chain-of-custody requests:

3589-WSSRAP-RAD

174, 175, 176, 177, 181, 183, 186, 188, 190, 224, 225, 226, 227, 230, 233, 234, 237, 238, 239, 240, 241, 243, 246, 247, 290, 293, 294, 296, 297, 299, 300, 302, & 315

Thermo Nutech Laboratories

11, 12, 77, 78, & 81

General Engineering Laboratories

2018 & 2026

Barringer Laboratories

2002

Outreach Laboratories

14

Analytical results revealed numerous sample locations exceeding *Record of Decision* (ROD) cleanup criteria levels (Ref. 2). Table 3-1 details sample locations within each respective vicinity property that exceeded the ROD cleanup criteria levels. Radiological sample results for all sample locations are listed within Appendix A.

Table 3-1 Sample Locations Exceeding ROD Cleanup Criteria

Vicinity Property/ Sample ID Number	Parameter	Concentration (pCi/g)	ROD Contaminant Cleanup Levels (pCi/g)
DA 1			
SO-V96037-01-DA1	U-238	146.0	120.0
SO-V96038-02-DA1	U-238	347.0	120.0
DA 2			
SO-V96026-01-DA2	Ra-226	36.3	6.2
SO-V96026-01-DA2	U-238	212.0	120.0
DA 3			
SO-V96010-02-DA3	U-238	146	120.0
SO-V96014-01-DA3-RS	U-238	222.0	120.0
DA 5			
SO-V96001-01-DA5-RS	Ra-226	46.2	6.2
SO-V96001-02-DA5-RS	Ra-226	68.9	16.2
SO-V96002-01-DA5-RS	Ra-226	19.5	6.2
SO-V96002-02-DA5-RS	Ra-226	55.4	16.2
SO-V96002-03-DA5-RS	Ra-226	17.2	16.2
SO-V96003-01-DA5	Ra-226	32.4	6.2
SO-V96004-01-DA5-RS	Ra-226	28.8	6.2
MDC 3			
SO-V96004-01-MDC3	U-238	165.0	120.0
MDC 4			
SO-V96011-01-MDC4	Ra-226	23.4	6.2
MDC 5			
SO-V97021-01-MDC5	Th-230	85.1	6.2
SO-V97023-01-MDC5	Th-230	77.7	6.2
SO-V97025-01-MDC5	Th-230	6.63	6.2
SO-V97028-01-MDC5	Th-230	7.97	6.2
SO-V97030-01-MDC5	Th-230	14.4	6.2
SO-V97033-01-MDC5	Th-230	16.2	6.2
SO-V97040-01-MDC5	Th-230	14.8	6.2
SO-V97042-01-MDC5	Th-230	7.57	6.2
SO-V97043-01-MDC5	Th-230	15.9	6.2
SO-V97044-01-MDC5	Th-230	14.0	6.2
SO-V97046-01-MDC5	Th-230	7.28	6.2
SO-V97050-01-MDC5	Th-230	11.3	6.2
SO-V97058-01-MDC5	Th-230	11.3	6.2
SO-V97059-01-MDC5	Th-230	8.44	6.2
SO-V97060-01-MDC5	Th-230	9.16	6.2
SO-V97069-01-MDC5	Th-230	8.82	6.2

4. QUALITY ASSURANCE

Data evaluation was performed on the analytical data generated from the engineering characterization of the vicinity properties to determine whether Weldon Spring Site Remedial Action Project (WSSRAP) data quality objectives were met and to ensure overall data quality results were generated. Data evaluation was performed in accordance with the *Project Management Contractor Quality Assurance Program (QAP)* (Ref. 4) and the *Environmental Quality Assurance Project Plan* (Ref. 5). The data evaluation process was completed by data verification, data review, data validation, and data management activities.

4.1 Data Verification

Data verification was conducted in accordance with procedure ES&H 4.9.1, *Environmental Monitoring Data Verification*, to ensure that documentation and data were reported in compliance with established reporting requirements and standard operating procedures (SOPs), and to ensure that all analyses were performed. Analytical results received from the laboratory were reviewed to verify samples were properly handled according to WSSRAP protocol. The following factors were reviewed and evaluated: sample identification, chain of custody, holding times, sample preservation requirements, Sample Analysis Request Forms, data reviews, laboratory tracking, data reporting requirements, and the database transfer.

4.2 Data Review

Data packages were reviewed to ensure the final data were properly identified, analyzed, reported, and met data quality requirements (DQRs). The data were also reviewed to check for inconsistencies with the field quality control samples. Final analytical results were compared to the preliminary analytical results to identify any changes in data.

The sampling plan for the vicinity properties indicated that quality control samples would be taken at a frequency of 1 per 20 samples or 5% (Ref. 1). The quality control samples collected during the engineering characterization of the vicinity properties consisted of matrix duplicates, secondary duplicates, field replicates, and equipment blanks. Of the 456 total samples taken of the vicinity properties, 62 samples were for quality control. This 13.6% frequency requirement satisfied the 5% requirement specified within the sampling plan. No matrix spike or matrix spike duplicate samples were taken during this characterization activity.

4.2.1 Matrix Duplicates/Secondary Duplicates/Field Replicates

Matrix duplicate samples (DU) are aliquots taken from the parent sample at the laboratory. Field replicates (FR) and secondary duplicates (SD) are split in the field from the parent sample and placed in a separate container. The field replicate is sent to the same laboratory as the

parent, while the secondary duplicate is sent to a different laboratory. The FR, SD, and DU results are compared to the parent sample and the relative percent difference (RPD) is calculated for each. The recommended RPD for radiological and chemical parameters is less than, or equal to, 50% and 35% respectively. RPDs are not calculated when one or both of the results are not detected by the laboratory (non detects). Furthermore, if one or both of the results are less than five times the detection limit; the RPD value is considered of limited value due to higher tolerance limits near the analytical detection limit and, therefore, no further analysis is required. In those cases where the RPDs are greater than the recommended limit, the data are further evaluated.

Sixteen matrix duplicate, 16 field replicate, and 15 secondary duplicate samples were taken during the engineering characterization of the vicinity properties. Each sample was analyzed for the Parameters Ra-226, Ra-228, and U-238. No chemical parameters were analyzed. RPDs for all of the matrix duplicate samples were within recommended limits. RPDs exceeded the recommended limits, however, for three field replicate parameters and 14 secondary duplicate parameters. Out of the 17 parameters that exceeded the 50% RPD value, 14 were less than five times the detection level; hence no further analysis was performed. The RPDs for the other three parameters were probably a result of sample non-homogeneity. The RPDs for the quality control samples ranged between 0.74% - 123.75% and are summarized in Appendix B.

4.2.2 Equipment Blanks

Equipment blanks (EB) are used to evaluate potential cross contamination from the field sampling equipment. Fifteen equipment blanks were sent for off-site analysis during the characterization of the vicinity properties. No contamination was detected in any of the equipment blank samples. Therefore, the reported data was viewed as representative of the media sampled.

4.3 Data Validation

Data validation is performed on 10% of the analytical data generated from all WSSRAP sampling activities. Data validation was conducted in accordance with ES&H 4.9.2, *Environmental Monitoring Data Validation*. Out of the 42 data packages generated during the engineering characterization of the vicinity properties, one data package (3589-WSSRAP-RAD 293) was validated. No data points within the data package were rejected during validation.

5. REFERENCES

1. MK-Ferguson Company and Jacobs Engineering Group. *Engineering Soils Sampling Plan for Army and MDC Vicinity Properties*. Rev. 0. DOE/OR/21548-622. Prepared for the U.S. Department of Energy, Oak Ridge Operations Office. St. Charles, MO. October 1996.
2. MK-Ferguson Company and Jacobs Engineering Group. *Sample Management Guide*. Rev. 1. DOE/OR/21548-499. Prepared for the U.S. Department of Energy, Oak Ridge Operations Office. St. Charles, MO. August 1997.
3. MK-Ferguson Company and Jacobs Engineering Group. *Record of Decision for Remedial Action at the Chemical Plant Area of the Weldon Spring Site*. Rev. 0. DOE/OR/21548-376. Prepared for the U.S. Department of Energy, Oak Ridge Operations Office. St. Charles, MO. September 1993.
4. MK-Ferguson Company and Jacobs Engineering Group. *Project Management Contractor Quality Assurance Program*. Rev. 5. DOE/OR/21548-333. Prepared for the U.S. Department of Energy, Oak Ridge Operations Office. St. Charles, MO. July 1999.
5. MK-Ferguson Company and Jacobs Engineering Group. *Environmental Quality Assurance Project Plan*. Rev. 3. DOE/OR/21548-352. Prepared for the U.S. Department of Energy, Oak Ridge Operations Office. St. Charles, MO. October 1998.

PROCEDURES

ES&H 4.91., *Environmental Monitoring Data Verification*

ES&H 4.9.2, *Environmental Monitoring Data Validation*

APPENDIX A
Vicinity Property Analytical Data

DA 1 Analytical Data

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96001-01-DA1	10/26/96	RADIUM-226	1.47	0.14	0.45	PCI/G	
SO-V96001-01-DA1	10/26/96	RADIUM-228	1.20	0.18	0.24	PCI/G	
SO-V96001-01-DA1	10/26/96	URANIUM-238	9.10	1.90	4.47	PCI/G	
SO-V96001-02-DA1	10/26/96	RADIUM-226	1.75	0.11	0.34	PCI/G	
SO-V96001-02-DA1	10/26/96	RADIUM-228	1.27	0.15	0.59	PCI/G	
SO-V96001-02-DA1	10/26/96	URANIUM-238	ND		3.46	PCI/G	
SO-V96001-03-DA1	10/26/96	RADIUM-226	1.63	0.11	0.29	PCI/G	
SO-V96001-03-DA1	10/26/96	RADIUM-228	1.26	0.13	0.49	PCI/G	
SO-V96001-03-DA1	10/26/96	URANIUM-238	ND		3.59	PCI/G	
SO-V96002-01-DA1	10/29/96	RADIUM-226	1.53	0.11	0.38	PCI/G	
SO-V96002-01-DA1	10/29/96	RADIUM-228	1.09	0.14	0.52	PCI/G	
SO-V96002-01-DA1	10/29/96	URANIUM-238	7.40	1.11	2.68	PCI/G	
SO-V96002-02-DA1	10/29/96	RADIUM-226	1.54	0.14	0.36	PCI/G	
SO-V96002-02-DA1	10/29/96	RADIUM-228	1.25	0.19	0.63	PCI/G	
SO-V96002-02-DA1	10/29/96	URANIUM-238	ND		4.35	PCI/G	
SO-V96002-03-DA1	10/29/96	RADIUM-226	1.98	0.15	0.34	PCI/G	
SO-V96002-03-DA1	10/29/96	RADIUM-228	1.02	0.18	0.63	PCI/G	
SO-V96002-03-DA1	10/29/96	URANIUM-238	ND		4.29	PCI/G	
SO-V96003-01-DA1	10/28/96	RADIUM-226	1.46	0.14	0.36	PCI/G	
SO-V96003-01-DA1	10/28/96	RADIUM-228	0.98	0.15	0.40	PCI/G	
SO-V96003-01-DA1	10/28/96	URANIUM-238	ND		4.35	PCI/G	
SO-V96003-02-DA1	10/28/96	RADIUM-226	1.85	0.12	0.30	PCI/G	
SO-V96003-02-DA1	10/28/96	RADIUM-228	1.38	0.14	0.40	PCI/G	
SO-V96003-02-DA1	10/28/96	URANIUM-238	ND		3.45	PCI/G	
SO-V96003-03-DA1	10/28/96	RADIUM-226	1.57	0.13	0.28	PCI/G	
SO-V96003-03-DA1	10/28/96	RADIUM-228	1.96	0.25	0.69	PCI/G	
SO-V96003-03-DA1	10/28/96	URANIUM-238	ND		4.27	PCI/G	
SO-V96004-01-DA1	10/30/96	RADIUM-226	1.54	0.14	0.29	PCI/G	
SO-V96004-01-DA1	10/30/96	RADIUM-228	1.05	0.17	0.65	PCI/G	
SO-V96004-01-DA1	10/30/96	URANIUM-238	5.35	1.14	3.39	PCI/G	
SO-V96004-02-DA1	10/30/96	RADIUM-226	1.61	0.11	0.25	PCI/G	
SO-V96004-02-DA1	10/30/96	RADIUM-228	1.06	0.13	0.48	PCI/G	
SO-V96004-02-DA1	10/30/96	URANIUM-238	ND		3.26	PCI/G	
SO-V96004-03-DA1	10/30/96	RADIUM-226	1.72	0.15	0.39	PCI/G	
SO-V96004-03-DA1	10/30/96	RADIUM-228	1.02	0.17	0.45	PCI/G	
SO-V96004-03-DA1	10/30/96	URANIUM-238	ND		4.50	PCI/G	
SO-V96005-01-DA1	10/28/96	RADIUM-226	1.52	0.10	0.35	PCI/G	
SO-V96005-01-DA1	10/28/96	RADIUM-228	1.12	0.14	0.44	PCI/G	
SO-V96005-01-DA1	10/28/96	URANIUM-238	4.02	0.81	2.50	PCI/G	
SO-V96005-02-DA1	10/28/96	RADIUM-226	1.74	0.16	0.48	PCI/G	
SO-V96005-02-DA1	10/28/96	RADIUM-228	1.34	0.23	0.68	PCI/G	
SO-V96005-02-DA1	10/28/96	URANIUM-238	ND		4.48	PCI/G	
SO-V96005-03-DA1	10/28/96	RADIUM-226	1.64	0.11	0.34	PCI/G	
SO-V96005-03-DA1	10/28/96	RADIUM-228	1.33	0.14	0.50	PCI/G	
SO-V96005-03-DA1	10/28/96	URANIUM-238	ND		3.35	PCI/G	
SO-V96006-01-DA1	10/28/96	RADIUM-226	1.39	0.13	0.39	PCI/G	
SO-V96006-01-DA1	10/28/96	RADIUM-228	ND		1.30	PCI/G	
SO-V96006-01-DA1	10/28/96	URANIUM-238	5.58	1.62	4.53	PCI/G	
SO-V96006-02-DA1	10/28/96	RADIUM-226	1.77	0.12	0.30	PCI/G	
SO-V96006-02-DA1	10/28/96	RADIUM-228	1.37	0.14	0.38	PCI/G	
SO-V96006-02-DA1	10/28/96	URANIUM-238	ND		3.33	PCI/G	
SO-V96006-03-DA1	10/28/96	RADIUM-226	1.85	0.13	0.41	PCI/G	
SO-V96006-03-DA1	10/28/96	RADIUM-228	1.65	0.19	0.46	PCI/G	
SO-V96006-03-DA1	10/28/96	URANIUM-238	ND		4.31	PCI/G	
SO-V96007-01-DA1	10/31/96	RADIUM-226	1.67	0.13	0.38	PCI/G	
SO-V96007-01-DA1	10/31/96	RADIUM-228	1.26	0.19	0.49	PCI/G	
SO-V96007-01-DA1	10/31/96	URANIUM-238	ND		4.42	PCI/G	
SO-V96007-02-DA1	10/31/96	RADIUM-226	1.84	0.11	0.34	PCI/G	
SO-V96007-02-DA1	10/31/96	RADIUM-228	1.39	0.14	0.46	PCI/G	
SO-V96007-02-DA1	10/31/96	URANIUM-238	ND		3.29	PCI/G	
SO-V96007-03-DA1	10/31/96	RADIUM-226	1.56	0.14	0.38	PCI/G	
SO-V96007-03-DA1	10/31/96	RADIUM-228	1.39	0.20	0.54	PCI/G	
SO-V96007-03-DA1	10/31/96	URANIUM-238	ND		4.33	PCI/G	
SO-V96008-01-DA1	11/02/96	RADIUM-226	1.46	0.13	0.37	PCI/G	
SO-V96008-01-DA1	11/02/96	RADIUM-228	1.46	0.17	0.50	PCI/G	
SO-V96008-01-DA1	11/02/96	URANIUM-238	7.51	1.45	3.72	PCI/G	

DA 1 Analytical Data

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96008-02-DA1	11/02/96	RADIUM-226	1.63	0.11	0.35	PCI/G	
SO-V96008-02-DA1	11/02/96	RADIUM-228	1.56	0.16	0.43	PCI/G	
SO-V96008-02-DA1	11/02/96	URANIUM-238	ND		3.45	PCI/G	
SO-V96008-03-DA1	11/02/96	RADIUM-226	1.93	0.15	0.37	PCI/G	
SO-V96008-03-DA1	11/02/96	RADIUM-228	ND		1.34	PCI/G	
SO-V96008-03-DA1	11/02/96	URANIUM-238	ND		4.30	PCI/G	
SO-V96009-01-DA1	11/02/96	RADIUM-226	1.51	0.10	0.32	PCI/G	
SO-V96009-01-DA1	11/02/96	RADIUM-228	1.26	0.15	0.48	PCI/G	
SO-V96009-01-DA1	11/02/96	URANIUM-238	ND		3.51	PCI/G	
SO-V96009-02-DA1	11/02/96	RADIUM-226	1.50	0.14	0.43	PCI/G	
SO-V96009-02-DA1	11/02/96	RADIUM-228	1.65	0.19	0.65	PCI/G	
SO-V96009-02-DA1	11/02/96	URANIUM-238	2.74	0.92	2.60	PCI/G	
SO-V96009-03-DA1	11/02/96	RADIUM-226	1.63	0.11	0.29	PCI/G	
SO-V96009-03-DA1	11/02/96	RADIUM-228	1.37	0.13	0.41	PCI/G	
SO-V96009-03-DA1	11/02/96	URANIUM-238	ND		3.23	PCI/G	
SO-V96010-01-DA1	12/09/96	RADIUM-226	0.97	0.10	0.27	PCI/G	
SO-V96010-01-DA1	12/09/96	RADIUM-228	ND		0.74	PCI/G	
SO-V96010-01-DA1	12/09/96	URANIUM-238	ND		3.14	PCI/G	
SO-V96010-02-DA1	12/09/96	RADIUM-226	1.53	0.11	0.32	PCI/G	
SO-V96010-02-DA1	12/09/96	RADIUM-228	1.19	0.13	0.44	PCI/G	
SO-V96010-02-DA1	12/09/96	URANIUM-238	ND		3.30	PCI/G	
SO-V96010-03-DA1	12/09/96	RADIUM-226	1.62	0.11	0.26	PCI/G	
SO-V96010-03-DA1	12/09/96	RADIUM-228	1.36	0.15	0.56	PCI/G	
SO-V96010-03-DA1	12/09/96	URANIUM-238	ND		3.03	PCI/G	
SO-V96011-01-DA1	12/04/96	RADIUM-226	1.50	0.13	0.32	PCI/G	
SO-V96011-01-DA1	12/04/96	RADIUM-228	1.09	0.16	0.49	PCI/G	
SO-V96011-01-DA1	12/04/96	URANIUM-238	7.70	1.49	3.05	PCI/G	
SO-V96011-02-DA1	12/04/96	RADIUM-226	1.55	0.10	0.29	PCI/G	
SO-V96011-02-DA1	12/04/96	RADIUM-228	1.12	0.14	0.47	PCI/G	
SO-V96011-02-DA1	12/04/96	URANIUM-238	ND		3.17	PCI/G	
SO-V96011-03-DA1	12/04/96	RADIUM-226	1.52	0.14	0.40	PCI/G	
SO-V96011-03-DA1	12/04/96	RADIUM-228	1.15	0.19	0.57	PCI/G	
SO-V96011-03-DA1	12/04/96	URANIUM-238	ND		4.25	PCI/G	
SO-V96011-04-DA1	12/04/96	RADIUM-226	1.56	0.11	0.25	PCI/G	
SO-V96011-04-DA1	12/04/96	RADIUM-228	1.16	0.13	0.42	PCI/G	
SO-V96011-04-DA1	12/04/96	URANIUM-238	ND		3.23	PCI/G	
SO-V96012-01-DA1	12/04/96	RADIUM-226	1.27	0.13	0.41	PCI/G	
SO-V96012-01-DA1	12/04/96	RADIUM-228	ND		1.01	PCI/G	
SO-V96012-01-DA1	12/04/96	URANIUM-238	ND		4.29	PCI/G	
SO-V96012-02-DA1	12/04/96	RADIUM-226	1.59	0.10	0.31	PCI/G	
SO-V96012-02-DA1	12/04/96	RADIUM-228	1.10	0.13	0.41	PCI/G	
SO-V96012-02-DA1	12/04/96	URANIUM-238	ND		3.34	PCI/G	
SO-V96012-03-DA1	12/04/96	RADIUM-226	1.72	0.13	0.35	PCI/G	
SO-V96012-03-DA1	12/04/96	RADIUM-228	1.42	0.18	0.51	PCI/G	
SO-V96012-03-DA1	12/04/96	URANIUM-238	ND		4.19	PCI/G	
SO-V96013-01-DA1	12/03/96	RADIUM-226	1.62	0.13	0.30	PCI/G	
SO-V96013-01-DA1	12/03/96	RADIUM-228	1.02	0.20	0.67	PCI/G	
SO-V96013-01-DA1	12/03/96	URANIUM-238	(3.35)	1.25	3.73	PCI/G	
SO-V96013-02-DA1	12/03/96	RADIUM-226	1.61	0.11	0.32	PCI/G	
SO-V96013-02-DA1	12/03/96	RADIUM-228	1.20	0.13	0.46	PCI/G	
SO-V96013-02-DA1	12/03/96	URANIUM-238	ND		3.30	PCI/G	
SO-V96013-03-DA1	12/03/96	RADIUM-226	1.34	0.12	0.36	PCI/G	
SO-V96013-03-DA1	12/03/96	RADIUM-228	1.46	0.18	0.45	PCI/G	
SO-V96013-03-DA1	12/03/96	URANIUM-238	ND		4.43	PCI/G	
SO-V96014-01-DA1	12/03/96	RADIUM-226	1.48	0.10	0.32	PCI/G	
SO-V96014-01-DA1	12/03/96	RADIUM-228	1.49	0.17	0.48	PCI/G	
SO-V96014-01-DA1	12/03/96	URANIUM-238	ND		3.71	PCI/G	
SO-V96014-02-DA1	12/03/96	RADIUM-226	1.86	0.15	0.40	PCI/G	
SO-V96014-02-DA1	12/03/96	RADIUM-228	1.28	0.20	0.72	PCI/G	
SO-V96014-02-DA1	12/03/96	URANIUM-238	(2.47)	1.06	3.24	PCI/G	
SO-V96014-03-DA1	12/03/96	RADIUM-226	1.96	0.12	0.32	PCI/G	
SO-V96014-03-DA1	12/03/96	RADIUM-228	1.22	0.14	0.48	PCI/G	
SO-V96014-03-DA1	12/03/96	URANIUM-238	(1.84)	0.63	2.44	PCI/G	
SO-V96015-01-DA1	12/04/96	RADIUM-226	1.64	0.12	0.36	PCI/G	
SO-V96015-01-DA1	12/04/96	RADIUM-228	1.39	0.15	0.54	PCI/G	
SO-V96015-01-DA1	12/04/96	URANIUM-238	ND		3.47	PCI/G	

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SO-V96015-02-DA1	12/04/96	RADIUM-226	1.91	0.14	0.32	PCI/G	
SO-V96015-02-DA1	12/04/96	RADIUM-228	1.17	0.19	0.72	PCI/G	
SO-V96015-02-DA1	12/04/96	URANIUM-238	ND		4.48	PCI/G	
SO-V96015-03-DA1	12/04/96	RADIUM-226	1.95	0.12	0.32	PCI/G	
SO-V96015-03-DA1	12/04/96	RADIUM-228	1.37	0.14	0.53	PCI/G	
SO-V96015-03-DA1	12/04/96	URANIUM-238	ND		3.24	PCI/G	
SO-V96016-01-DA1	10/25/96	RADIUM-226	1.41	0.13	0.36	PCI/G	
SO-V96016-01-DA1	10/25/96	RADIUM-228	1.20	0.17	0.39	PCI/G	
SO-V96016-01-DA1	10/25/96	URANIUM-238	ND		4.42	PCI/G	
SO-V96016-02-DA1	10/25/96	RADIUM-226	1.40	0.14	0.39	PCI/G	
SO-V96016-02-DA1	10/25/96	RADIUM-228	1.67	0.18	0.56	PCI/G	
SO-V96016-02-DA1	10/25/96	URANIUM-238	ND		4.29	PCI/G	
SO-V96016-03-DA1	10/25/96	RADIUM-226	1.67	0.11	0.36	PCI/G	
SO-V96016-03-DA1	10/25/96	RADIUM-228	1.21	0.14	0.47	PCI/G	
SO-V96016-03-DA1	10/25/96	URANIUM-238	(1.75)	0.59	2.33	PCI/G	
SO-V96017-01-DA1	12/03/96	RADIUM-226	1.40	0.12	0.32	PCI/G	
SO-V96017-01-DA1	12/03/96	RADIUM-228	ND		1.26	PCI/G	
SO-V96017-01-DA1	12/03/96	URANIUM-238	(2.22)	0.99	3.03	PCI/G	
SO-V96017-02-DA1	12/03/96	RADIUM-226	1.68	0.11	0.35	PCI/G	
SO-V96017-02-DA1	12/03/96	RADIUM-228	1.17	0.15	0.38	PCI/G	
SO-V96017-02-DA1	12/03/96	URANIUM-238	(1.98)	0.55	2.08	PCI/G	
SO-V96017-03-DA1	12/03/96	RADIUM-226	1.69	0.13	0.37	PCI/G	
SO-V96017-03-DA1	12/03/96	RADIUM-228	ND		1.44	PCI/G	
SO-V96017-03-DA1	12/03/96	URANIUM-238	ND		4.31	PCI/G	
SO-V96018-01-DA1	11/02/96	RADIUM-226	1.58	0.14	0.46	PCI/G	
SO-V96018-01-DA1	11/02/96	RADIUM-228	1.27	0.18	0.59	PCI/G	
SO-V96018-01-DA1	11/02/96	URANIUM-238	ND		5.08	PCI/G	
SO-V96018-02-DA1	11/02/96	RADIUM-226	1.49	0.11	0.34	PCI/G	
SO-V96018-02-DA1	11/02/96	RADIUM-228	1.22	0.12	0.31	PCI/G	
SO-V96018-02-DA1	11/02/96	URANIUM-238	ND		3.26	PCI/G	
SO-V96018-03-DA1	11/02/96	RADIUM-226	1.87	0.11	0.34	PCI/G	
SO-V96018-03-DA1	11/02/96	RADIUM-228	1.31	0.14	0.41	PCI/G	
SO-V96018-03-DA1	11/02/96	URANIUM-238	(2.07)	0.71	2.79	PCI/G	
SO-V96019-01-DA1	11/02/96	RADIUM-226	1.38	0.13	0.34	PCI/G	
SO-V96019-01-DA1	11/02/96	RADIUM-228	1.23	0.18	0.45	PCI/G	
SO-V96019-01-DA1	11/02/96	URANIUM-238	7.17	1.37	3.73	PCI/G	
SO-V96019-02-DA1	11/02/96	RADIUM-226	1.57	0.10	0.20	PCI/G	
SO-V96019-02-DA1	11/02/96	RADIUM-228	1.22	0.14	0.42	PCI/G	
SO-V96019-02-DA1	11/02/96	URANIUM-238	2.50	0.60	2.04	PCI/G	
SO-V96019-03-DA1	11/02/96	RADIUM-226	1.94	0.15	0.36	PCI/G	
SO-V96019-03-DA1	11/02/96	RADIUM-228	2.07	0.20	0.49	PCI/G	
SO-V96019-03-DA1	11/02/96	URANIUM-238	(2.34)	1.11	3.44	PCI/G	
SO-V96020-01-DA1	10/30/96	RADIUM-226	1.32	0.10	0.34	PCI/G	
SO-V96020-01-DA1	10/30/96	RADIUM-228	1.22	0.14	0.50	PCI/G	
SO-V96020-01-DA1	10/30/96	URANIUM-238	13.9	1.76	3.17	PCI/G	
SO-V96020-02-DA1	10/30/96	RADIUM-226	1.58	0.14	0.43	PCI/G	
SO-V96020-02-DA1	10/30/96	RADIUM-228	1.14	0.20	0.57	PCI/G	
SO-V96020-02-DA1	10/30/96	URANIUM-238	3.82	0.92	2.71	PCI/G	
SO-V96020-03-DA1	10/30/96	RADIUM-226	1.75	0.11	0.27	PCI/G	
SO-V96020-03-DA1	10/30/96	RADIUM-228	1.33	0.14	0.48	PCI/G	
SO-V96020-03-DA1	10/30/96	URANIUM-238	ND		3.60	PCI/G	
SO-V96021-01-DA1	10/25/96	RADIUM-226	1.35	0.12	0.37	PCI/G	
SO-V96021-01-DA1	10/25/96	RADIUM-228	ND		1.22	PCI/G	
SO-V96021-01-DA1	10/25/96	URANIUM-238	7.38	1.49	3.22	PCI/G	
SO-V96021-02-DA1	10/25/96	RADIUM-226	1.16	0.10	0.34	PCI/G	
SO-V96021-02-DA1	10/25/96	RADIUM-228	1.15	0.13	0.35	PCI/G	
SO-V96021-02-DA1	10/25/96	URANIUM-238	ND		3.08	PCI/G	
SO-V96021-03-DA1	10/25/96	RADIUM-226	1.51	0.14	0.24	PCI/G	
SO-V96021-03-DA1	10/25/96	RADIUM-228	1.21	0.19	0.56	PCI/G	
SO-V96021-03-DA1	10/25/96	URANIUM-238	ND		4.31	PCI/G	
SO-V96022-01-DA1	10/29/96	RADIUM-226	1.38	0.13	0.34	PCI/G	
SO-V96022-01-DA1	10/29/96	RADIUM-228	1.00	0.18	0.49	PCI/G	
SO-V96022-01-DA1	10/29/96	URANIUM-238	7.57	1.71	4.24	PCI/G	
SO-V96022-02-DA1	10/29/96	RADIUM-226	1.33	0.13	0.47	PCI/G	
SO-V96022-02-DA1	10/29/96	RADIUM-228	0.89	0.15	0.60	PCI/G	
SO-V96022-02-DA1	10/29/96	URANIUM-238	ND		4.00	PCI/G	

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SO-V96022-03-DA1	10/29/96	RADIUM-226	1.75	0.14	0.43	PCI/G	
SO-V96022-03-DA1	10/29/96	RADIUM-228	ND		1.42	PCI/G	
SO-V96022-03-DA1	10/29/96	URANIUM-238	ND		4.68	PCI/G	
SO-V96023-01-DA1	10/28/96	RADIUM-226	1.36	0.10	0.28	PCI/G	
SO-V96023-01-DA1	10/28/96	RADIUM-228	1.21	0.16	0.52	PCI/G	
SO-V96023-01-DA1	10/28/96	URANIUM-238	ND		3.79	PCI/G	
SO-V96023-02-DA1	10/28/96	RADIUM-226	1.66	0.14	0.35	PCI/G	
SO-V96023-02-DA1	10/28/96	RADIUM-228	ND		1.29	PCI/G	
SO-V96023-02-DA1	10/28/96	URANIUM-238	ND		4.34	PCI/G	
SO-V96023-03-DA1	10/28/96	RADIUM-226	1.70	0.11	0.30	PCI/G	
SO-V96023-03-DA1	10/28/96	RADIUM-228	1.09	0.14	0.50	PCI/G	
SO-V96023-03-DA1	10/28/96	URANIUM-238	(2.77)	0.78	2.79	PCI/G	
SO-V96024-01-DA1	12/02/96	RADIUM-226	1.29	0.10	0.35	PCI/G	
SO-V96024-01-DA1	12/02/96	RADIUM-228	1.05	0.12	0.45	PCI/G	
SO-V96024-01-DA1	12/02/96	URANIUM-238	30.8	3.30	4.29	PCI/G	
SO-V96024-02-DA1	12/02/96	RADIUM-226	1.44	0.14	0.45	PCI/G	
SO-V96024-02-DA1	12/02/96	RADIUM-228	1.46	0.16	0.29	PCI/G	
SO-V96024-02-DA1	12/02/96	URANIUM-238	4.88	1.38	4.68	PCI/G	
SO-V96024-03-DA1	12/02/96	RADIUM-226	1.46	0.11	0.35	PCI/G	
SO-V96024-03-DA1	12/02/96	RADIUM-228	1.23	0.13	0.43	PCI/G	
SO-V96024-03-DA1	12/02/96	URANIUM-238	ND		3.40	PCI/G	
SO-V96024-04-DA1	12/02/96	RADIUM-226	1.37	0.12	0.37	PCI/G	
SO-V96024-04-DA1	12/02/96	RADIUM-228	1.34	0.18	0.58	PCI/G	
SO-V96024-04-DA1	12/02/96	URANIUM-238	ND		3.89	PCI/G	
SO-V96025-01-DA1	12/02/96	RADIUM-226	1.62	0.11	0.34	PCI/G	
SO-V96025-01-DA1	12/02/96	RADIUM-228	1.39	0.14	0.37	PCI/G	
SO-V96025-01-DA1	12/02/96	URANIUM-238	6.34	0.99	2.41	PCI/G	
SO-V96025-02-DA1	12/02/96	RADIUM-226	1.37	0.10	0.29	PCI/G	
SO-V96025-02-DA1	12/02/96	RADIUM-228	1.24	0.13	0.44	PCI/G	
SO-V96025-02-DA1	12/02/96	URANIUM-238	ND		3.09	PCI/G	
SO-V96025-03-DA1	12/02/96	RADIUM-226	1.31	0.12	0.34	PCI/G	
SO-V96025-03-DA1	12/02/96	RADIUM-228	1.58	0.20	0.64	PCI/G	
SO-V96025-03-DA1	12/02/96	URANIUM-238	ND		3.76	PCI/G	
SO-V96026-01-DA1	12/02/96	RADIUM-226	1.42	0.11	0.32	PCI/G	
SO-V96026-01-DA1	12/02/96	RADIUM-228	1.32	0.14	0.59	PCI/G	
SO-V96026-01-DA1	12/02/96	URANIUM-238	4.96	0.90	2.73	PCI/G	
SO-V96026-02-DA1	12/02/96	RADIUM-226	1.39	0.13	0.44	PCI/G	
SO-V96026-02-DA1	12/02/96	RADIUM-228	1.26	0.19	0.66	PCI/G	
SO-V96026-02-DA1	12/02/96	URANIUM-238	ND		4.55	PCI/G	
SO-V96026-03-DA1	12/02/96	RADIUM-226	1.21	0.09	0.28	PCI/G	
SO-V96026-03-DA1	12/02/96	RADIUM-228	1.25	0.14	0.51	PCI/G	
SO-V96026-03-DA1	12/02/96	URANIUM-238	ND		3.17	PCI/G	
SO-V96027-01-DA1	12/09/96	RADIUM-226	1.54	0.13	0.37	PCI/G	
SO-V96027-01-DA1	12/09/96	RADIUM-228	1.36	0.17	0.59	PCI/G	
SO-V96027-01-DA1	12/09/96	URANIUM-238	ND		4.61	PCI/G	
SO-V96027-02-DA1	12/09/96	RADIUM-226	1.52	0.10	0.32	PCI/G	
SO-V96027-02-DA1	12/09/96	RADIUM-228	1.07	0.13	0.47	PCI/G	
SO-V96027-02-DA1	12/09/96	URANIUM-238	2.85	0.61	2.09	PCI/G	
SO-V96027-03-DA1	12/09/96	RADIUM-226	1.39	0.13	0.27	PCI/G	
SO-V96027-03-DA1	12/09/96	RADIUM-228	1.71	0.18	0.49	PCI/G	
SO-V96027-03-DA1	12/09/96	URANIUM-238	ND		4.27	PCI/G	
SO-V96028-01-DA1	10/28/96	RADIUM-226	1.27	0.12	0.32	PCI/G	
SO-V96028-01-DA1	10/28/96	RADIUM-228	1.65	0.21	0.62	PCI/G	
SO-V96028-01-DA1	10/28/96	URANIUM-238	5.60	1.49	4.02	PCI/G	
SO-V96028-02-DA1	10/28/96	RADIUM-226	1.60	0.11	0.31	PCI/G	
SO-V96028-02-DA1	10/28/96	RADIUM-228	1.28	0.15	0.53	PCI/G	
SO-V96028-02-DA1	10/28/96	URANIUM-238	4.01	0.79	2.42	PCI/G	
SO-V96028-03-DA1	10/28/96	RADIUM-226	1.72	0.14	0.39	PCI/G	
SO-V96028-03-DA1	10/28/96	RADIUM-228	1.66	0.20	0.38	PCI/G	
SO-V96028-03-DA1	10/28/96	URANIUM-238	ND		4.34	PCI/G	
SO-V96029-01-DA1	10/28/96	RADIUM-226	1.23	0.10	0.30	PCI/G	
SO-V96029-01-DA1	10/28/96	RADIUM-228	1.39	0.15	0.47	PCI/G	
SO-V96029-01-DA1	10/28/96	URANIUM-238	8.63	1.24	2.88	PCI/G	
SO-V96029-02-DA1	10/28/96	RADIUM-226	1.52	0.14	0.49	PCI/G	
SO-V96029-02-DA1	10/28/96	RADIUM-228	1.27	0.19	0.65	PCI/G	
SO-V96029-02-DA1	10/28/96	URANIUM-238	ND		4.60	PCI/G	

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SO-V96029-03-DA1	10/28/96	RADIUM-226	1.66	0.11	0.32	PCI/G	
SO-V96029-03-DA1	10/28/96	RADIUM-228	1.52	0.14	0.38	PCI/G	
SO-V96029-03-DA1	10/28/96	URANIUM-238	ND		3.62	PCI/G	
SO-V96030-01-DA1	10/24/96	RADIUM-226	1.32	0.13	0.38	PCI/G	
SO-V96030-01-DA1	10/24/96	RADIUM-228	1.19	0.18	0.66	PCI/G	
SO-V96030-01-DA1	10/24/96	URANIUM-238	12.6	1.84	3.70	PCI/G	
SO-V96030-02-DA1	10/24/96	RADIUM-226	1.10	0.09	0.34	PCI/G	
SO-V96030-02-DA1	10/24/96	RADIUM-228	0.98	0.14	0.39	PCI/G	
SO-V96030-02-DA1	10/24/96	URANIUM-238	ND		2.96	PCI/G	
SO-V96030-03-DA1	10/24/96	RADIUM-226	1.56	0.11	0.35	PCI/G	
SO-V96030-03-DA1	10/24/96	RADIUM-228	1.00	0.13	0.57	PCI/G	
SO-V96030-03-DA1	10/24/96	URANIUM-238	2.66	0.67	2.46	PCI/G	
SO-V96031-01-DA1	10/25/96	RADIUM-226	1.27	0.10	0.29	PCI/G	
SO-V96031-01-DA1	10/25/96	RADIUM-228	0.97	0.12	0.49	PCI/G	
SO-V96031-01-DA1	10/25/96	URANIUM-238	22.6	2.69	4.13	PCI/G	
SO-V96031-02-DA1	10/25/96	RADIUM-226	1.59	0.13	0.24	PCI/G	
SO-V96031-02-DA1	10/25/96	RADIUM-228	1.53	0.22	0.59	PCI/G	
SO-V96031-02-DA1	10/25/96	URANIUM-238	6.06	1.36	3.22	PCI/G	
SO-V96031-03-DA1	10/25/96	RADIUM-226	1.27	0.10	0.33	PCI/G	
SO-V96031-03-DA1	10/25/96	RADIUM-228	1.43	0.13	0.39	PCI/G	
SO-V96031-03-DA1	10/25/96	URANIUM-238	4.77	0.84	2.61	PCI/G	
SO-V96032-01-DA1	10/24/96	RADIUM-226	1.39	0.13	0.43	PCI/G	
SO-V96032-01-DA1	10/24/96	RADIUM-228	1.28	0.20	0.67	PCI/G	
SO-V96032-01-DA1	10/24/96	URANIUM-238	22.3	2.99	5.16	PCI/G	
SO-V96032-02-DA1	10/24/96	RADIUM-226	1.24	0.10	0.30	PCI/G	
SO-V96032-02-DA1	10/24/96	RADIUM-228	1.11	0.13	0.40	PCI/G	
SO-V96032-02-DA1	10/24/96	URANIUM-238	6.38	1.19	4.07	PCI/G	
SO-V96032-03-DA1	10/24/96	RADIUM-226	1.64	0.14	0.38	PCI/G	
SO-V96032-03-DA1	10/24/96	RADIUM-228	1.53	0.19	0.51	PCI/G	
SO-V96032-03-DA1	10/24/96	URANIUM-238	5.77	1.57	4.29	PCI/G	
SO-V96033-01-DA1	11/02/96	RADIUM-226	1.62	0.10	0.26	PCI/G	
SO-V96033-01-DA1	11/02/96	RADIUM-228	1.10	0.12	0.45	PCI/G	
SO-V96033-01-DA1	11/02/96	URANIUM-238	9.05	1.24	3.00	PCI/G	
SO-V96033-02-DA1	11/02/96	RADIUM-226	1.37	0.13	0.38	PCI/G	
SO-V96033-02-DA1	11/02/96	RADIUM-228	1.41	0.18	0.48	PCI/G	
SO-V96033-02-DA1	11/02/96	URANIUM-238	ND		4.48	PCI/G	
SO-V96033-03-DA1	11/02/96	RADIUM-226	1.69	0.11	0.32	PCI/G	
SO-V96033-03-DA1	11/02/96	RADIUM-228	1.47	0.16	0.45	PCI/G	
SO-V96033-03-DA1	11/02/96	URANIUM-238	ND		3.39	PCI/G	
SO-V96034-01-DA1	12/04/96	RADIUM-226	1.64	0.11	0.28	PCI/G	
SO-V96034-01-DA1	12/04/96	RADIUM-228	1.25	0.13	0.43	PCI/G	
SO-V96034-01-DA1	12/04/96	URANIUM-238	(2.34)	0.71	2.55	PCI/G	
SO-V96034-02-DA1	12/04/96	RADIUM-226	1.88	0.11	0.35	PCI/G	
SO-V96034-02-DA1	12/04/96	RADIUM-228	1.39	0.16	0.56	PCI/G	
SO-V96034-02-DA1	12/04/96	URANIUM-238	ND		3.21	PCI/G	
SO-V96034-03-DA1	12/04/96	RADIUM-226	1.63	0.13	0.39	PCI/G	
SO-V96034-03-DA1	12/04/96	RADIUM-228	1.53	0.22	0.64	PCI/G	
SO-V96034-03-DA1	12/04/96	URANIUM-238	ND		4.38	PCI/G	
SO-V96035-02-DA1	10/25/96	RADIUM-226	1.57	0.13	0.29	PCI/G	
SO-V96035-02-DA1	10/25/96	RADIUM-228	1.35	0.20	0.67	PCI/G	
SO-V96035-02-DA1	10/25/96	URANIUM-238	22.7	2.82	5.47	PCI/G	
SO-V96035-03-DA1	10/25/96	RADIUM-226	1.43	0.11	0.35	PCI/G	
SO-V96035-03-DA1	10/25/96	RADIUM-228	1.54	0.14	0.41	PCI/G	
SO-V96035-03-DA1	10/25/96	URANIUM-238	12.2	1.65	3.64	PCI/G	
SO-V96035-04-DA1	10/25/96	RADIUM-226	1.48	0.13	0.34	PCI/G	
SO-V96035-04-DA1	10/25/96	RADIUM-228	ND		1.34	PCI/G	
SO-V96035-04-DA1	10/25/96	URANIUM-238	16.1	2.25	5.33	PCI/G	
SO-V96036-01-DA1	12/03/96	RADIUM-226	1.64	0.11	0.34	PCI/G	
SO-V96036-01-DA1	12/03/96	RADIUM-228	0.98	0.13	0.44	PCI/G	
SO-V96036-01-DA1	12/03/96	URANIUM-238	4.28	0.82	2.85	PCI/G	
SO-V96036-02-DA1	12/03/96	RADIUM-226	1.65	0.13	0.37	PCI/G	
SO-V96036-02-DA1	12/03/96	RADIUM-228	ND		1.24	PCI/G	
SO-V96036-02-DA1	12/03/96	URANIUM-238	ND		4.53	PCI/G	
SO-V96036-03-DA1	12/03/96	RADIUM-226	1.87	0.11	0.31	PCI/G	
SO-V96036-03-DA1	12/03/96	RADIUM-228	1.46	0.15	0.50	PCI/G	
SO-V96036-03-DA1	12/03/96	URANIUM-238	ND		3.34	PCI/G	

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SO-V96036-04-DA1	12/03/96	RADIUM-226	1.76	0.15	0.44	PCI/G	
SO-V96036-04-DA1	12/03/96	RADIUM-228	1.39	0.18	0.53	PCI/G	
SO-V96036-04-DA1	12/03/96	URANIUM-238	ND		4.48	PCI/G	
SO-V96037-01-DA1	12/09/96	RADIUM-226	2.53	0.14	0.41	PCI/G	
SO-V96037-01-DA1	12/09/96	RADIUM-228	1.41	0.16	0.58	PCI/G	
SO-V96037-01-DA1	12/09/96	URANIUM-238	146	11.1	5.55	PCI/G	
SO-V96037-02-DA1	12/09/96	RADIUM-226	1.54	0.13	0.40	PCI/G	
SO-V96037-02-DA1	12/09/96	RADIUM-228	1.36	0.18	0.51	PCI/G	
SO-V96037-02-DA1	12/09/96	URANIUM-238	6.71	1.51	4.49	PCI/G	
SO-V96037-03-DA1	12/09/96	RADIUM-226	1.68	0.10	0.30	PCI/G	
SO-V96037-03-DA1	12/09/96	RADIUM-228	1.29	0.14	0.50	PCI/G	
SO-V96037-03-DA1	12/09/96	URANIUM-238	11.2	1.50	2.97	PCI/G	
SO-V96037-04-DA1	12/09/96	RADIUM-226	1.74	0.14	0.40	PCI/G	
SO-V96037-04-DA1	12/09/96	RADIUM-228	1.22	0.19	0.55	PCI/G	
SO-V96037-04-DA1	12/09/96	URANIUM-238	8.41	1.69	4.83	PCI/G	
SO-V96037-05-DA1	12/09/96	RADIUM-226	1.88	0.12	0.34	PCI/G	
SO-V96037-05-DA1	12/09/96	RADIUM-228	1.46	0.14	0.39	PCI/G	
SO-V96037-05-DA1	12/09/96	URANIUM-238	ND		4.18	PCI/G	
SO-V96038-02-DA1	12/03/96	RADIUM-226	1.29	0.11	0.44	PCI/G	
SO-V96038-02-DA1	12/03/96	RADIUM-228	1.11	0.18	0.89	PCI/G	
SO-V96038-02-DA1	12/03/96	URANIUM-238	347	20.7	7.92	PCI/G	
SO-V96038-03-DA1	12/03/96	RADIUM-226	1.51	0.15	0.47	PCI/G	
SO-V96038-03-DA1	12/03/96	RADIUM-228	1.35	0.21	0.71	PCI/G	
SO-V96038-03-DA1	12/03/96	URANIUM-238	36.1	4.07	7.12	PCI/G	
SO-V96038-04-DA1	12/03/96	RADIUM-226	1.61	0.15	0.51	PCI/G	
SO-V96038-04-DA1	12/03/96	RADIUM-228	1.22	0.19	0.64	PCI/G	
SO-V96038-04-DA1	12/03/96	URANIUM-238	9.83	1.95	4.37	PCI/G	
SO-V96038-05-DA1	12/03/96	RADIUM-226	1.57	0.11	0.34	PCI/G	
SO-V96038-05-DA1	12/03/96	RADIUM-228	1.25	0.14	0.52	PCI/G	
SO-V96038-05-DA1	12/03/96	URANIUM-238	5.20	1.02	3.42	PCI/G	
SO-V96039-01-DA1	11/02/96	RADIUM-226	1.68	0.15	0.40	PCI/G	
SO-V96039-01-DA1	11/02/96	RADIUM-228	1.47	0.18	0.57	PCI/G	
SO-V96039-01-DA1	11/02/96	URANIUM-238	33.4	3.87	5.26	PCI/G	
SO-V96039-02-DA1	11/02/96	RADIUM-226	1.55	0.11	0.35	PCI/G	
SO-V96039-02-DA1	11/02/96	RADIUM-228	1.36	0.14	0.57	PCI/G	
SO-V96039-02-DA1	11/02/96	URANIUM-238	10.1	1.43	3.48	PCI/G	
SO-V96039-03-DA1	11/02/96	RADIUM-226	1.87	0.14	0.40	PCI/G	
SO-V96039-03-DA1	11/02/96	RADIUM-228	1.99	0.23	0.48	PCI/G	
SO-V96039-03-DA1	11/02/96	URANIUM-238	6.87	1.41	4.21	PCI/G	
SO-V96039-04-DA1	11/02/96	RADIUM-226	1.39	0.10	0.31	PCI/G	
SO-V96039-04-DA1	11/02/96	RADIUM-228	1.39	0.14	0.48	PCI/G	
SO-V96039-04-DA1	11/02/96	URANIUM-238	8.63	1.18	2.62	PCI/G	
SO-V96039-05-DA1	11/02/96	RADIUM-226	1.43	0.13	0.48	PCI/G	
SO-V96039-05-DA1	11/02/96	RADIUM-228	1.36	0.18	0.58	PCI/G	
SO-V96039-05-DA1	11/02/96	URANIUM-238	5.52	1.25	2.94	PCI/G	
SO-V96039-06-DA1	11/02/96	RADIUM-226	1.44	0.10	0.21	PCI/G	
SO-V96039-06-DA1	11/02/96	RADIUM-228	1.32	0.14	0.44	PCI/G	
SO-V96039-06-DA1	11/02/96	URANIUM-238	3.55	0.75	2.59	PCI/G	
SO-V96039-07-DA1	11/02/96	RADIUM-226	1.33	0.10	0.32	PCI/G	
SO-V96039-07-DA1	11/02/96	RADIUM-228	1.17	0.13	0.48	PCI/G	
SO-V96039-07-DA1	11/02/96	URANIUM-238	ND		3.15	PCI/G	
SO-V96040-01-DA1	10/31/96	RADIUM-226	1.49	0.11	0.39	PCI/G	
SO-V96040-01-DA1	10/31/96	RADIUM-228	1.27	0.16	0.63	PCI/G	
SO-V96040-01-DA1	10/31/96	URANIUM-238	71.1	6.13	5.01	PCI/G	
SO-V96040-02-DA1	10/31/96	RADIUM-226	1.93	0.14	0.40	PCI/G	
SO-V96040-02-DA1	10/31/96	RADIUM-228	1.37	0.19	0.65	PCI/G	
SO-V96040-02-DA1	10/31/96	URANIUM-238	2.99	1.00	2.48	PCI/G	
SO-V96040-03-DA1	10/31/96	RADIUM-226	1.64	0.12	0.40	PCI/G	
SO-V96040-03-DA1	10/31/96	RADIUM-228	1.28	0.14	0.51	PCI/G	
SO-V96040-03-DA1	10/31/96	URANIUM-238	4.22	0.97	3.43	PCI/G	
SO-V96040-04-DA1	10/31/96	RADIUM-226	1.44	0.10	0.32	PCI/G	
SO-V96040-04-DA1	10/31/96	RADIUM-228	1.43	0.13	0.39	PCI/G	
SO-V96040-04-DA1	10/31/96	URANIUM-238	3.44	0.78	2.25	PCI/G	
SO-V96041-01-DA1	11/02/96	RADIUM-226	1.59	0.14	0.45	PCI/G	
SO-V96041-01-DA1	11/02/96	RADIUM-228	1.25	0.18	0.76	PCI/G	
SO-V96041-01-DA1	11/02/96	URANIUM-238	31.5	3.95	6.04	PCI/G	

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SO-V96041-02-DA1	11/02/96	RADIUM-226	1.43	0.10	0.23	PCI/G	
SO-V96041-02-DA1	11/02/96	RADIUM-228	1.20	0.13	0.45	PCI/G	
SO-V96041-02-DA1	11/02/96	URANIUM-238	6.53	1.05	2.39	PCI/G	
SO-V96041-03-DA1	11/02/96	RADIUM-226	1.67	0.13	0.41	PCI/G	
SO-V96041-03-DA1	11/02/96	RADIUM-228	1.50	0.19	0.69	PCI/G	
SO-V96041-03-DA1	11/02/96	URANIUM-238	5.78	1.20	2.56	PCI/G	
SO-V96042-01-DA1	10/30/96	RADIUM-226	1.60	0.14	0.36	PCI/G	
SO-V96042-01-DA1	10/30/96	RADIUM-228	1.16	0.17	0.60	PCI/G	
SO-V96042-01-DA1	10/30/96	URANIUM-238	75.0	6.98	6.97	PCI/G	
SO-V96042-02-DA1	10/30/96	RADIUM-226	1.56	0.13	0.40	PCI/G	
SO-V96042-02-DA1	10/30/96	RADIUM-228	1.29	0.17	0.52	PCI/G	
SO-V96042-02-DA1	10/30/96	URANIUM-238	(3.85)	1.34	3.94	PCI/G	
SO-V96042-03-DA1	10/30/96	RADIUM-226	1.81	0.14	0.39	PCI/G	
SO-V96042-03-DA1	10/30/96	RADIUM-228	ND		1.47	PCI/G	
SO-V96042-03-DA1	10/30/96	URANIUM-238	4.64	1.16	3.51	PCI/G	
SO-V96042-04-DA1	10/30/96	RADIUM-226	1.74	0.11	0.29	PCI/G	
SO-V96042-04-DA1	10/30/96	RADIUM-228	1.45	0.15	0.55	PCI/G	
SO-V96042-04-DA1	10/30/96	URANIUM-238	2.94	0.80	2.89	PCI/G	
SO-V96043-01-DA1	12/09/96	RADIUM-226	1.28	0.11	0.25	PCI/G	
SO-V96043-01-DA1	12/09/96	RADIUM-228	0.84	0.20	0.74	PCI/G	
SO-V96043-01-DA1	12/09/96	URANIUM-238	ND		4.27	PCI/G	
SO-V96043-02-DA1	12/09/96	RADIUM-226	1.52	0.11	0.33	PCI/G	
SO-V96043-02-DA1	12/09/96	RADIUM-228	1.39	0.14	0.49	PCI/G	
SO-V96043-02-DA1	12/09/96	URANIUM-238	(3.15)	0.84	3.45	PCI/G	
SO-V96043-03-DA1	12/09/96	RADIUM-226	1.45	0.10	0.32	PCI/G	
SO-V96043-03-DA1	12/09/96	RADIUM-228	1.32	0.13	0.36	PCI/G	
SO-V96043-03-DA1	12/09/96	URANIUM-238	4.45	0.89	2.80	PCI/G	
SO-V96044-01-DA1	12/09/96	RADIUM-226	1.50	0.12	0.35	PCI/G	
SO-V96044-01-DA1	12/09/96	RADIUM-228	1.43	0.21	0.66	PCI/G	
SO-V96044-01-DA1	12/09/96	URANIUM-238	ND		4.47	PCI/G	
SO-V96044-02-DA1	12/09/96	RADIUM-226	1.45	0.10	0.35	PCI/G	
SO-V96044-02-DA1	12/09/96	RADIUM-228	1.40	0.14	0.50	PCI/G	
SO-V96044-02-DA1	12/09/96	URANIUM-238	ND		3.23	PCI/G	
SO-V96044-03-DA1	12/09/96	RADIUM-226	1.54	0.13	0.34	PCI/G	
SO-V96044-03-DA1	12/09/96	RADIUM-228	1.28	0.18	0.59	PCI/G	
SO-V96044-03-DA1	12/09/96	URANIUM-238	ND		3.74	PCI/G	
SO-V96045-01-DA1	12/09/96	RADIUM-226	1.45	0.10	0.28	PCI/G	
SO-V96045-01-DA1	12/09/96	RADIUM-228	1.17	0.14	0.41	PCI/G	
SO-V96045-01-DA1	12/09/96	URANIUM-238	ND		3.46	PCI/G	
SO-V96045-02-DA1	12/09/96	RADIUM-226	1.45	0.13	0.27	PCI/G	
SO-V96045-02-DA1	12/09/96	RADIUM-228	1.28	0.17	0.50	PCI/G	
SO-V96045-02-DA1	12/09/96	URANIUM-238	ND		4.38	PCI/G	
SO-V96045-03-DA1	12/09/96	RADIUM-226	1.36	0.09	0.19	PCI/G	
SO-V96045-03-DA1	12/09/96	RADIUM-228	1.09	0.15	0.51	PCI/G	
SO-V96045-03-DA1	12/09/96	URANIUM-238	16.3	1.95	3.11	PCI/G	
SO-V96046-01-DA1	12/09/96	RADIUM-226	1.41	0.13	0.38	PCI/G	
SO-V96046-01-DA1	12/09/96	RADIUM-228	ND		1.41	PCI/G	
SO-V96046-01-DA1	12/09/96	URANIUM-238	ND		4.38	PCI/G	
SO-V96046-02-DA1	12/09/96	RADIUM-226	1.60	0.11	0.31	PCI/G	
SO-V96046-02-DA1	12/09/96	RADIUM-228	1.37	0.14	0.51	PCI/G	
SO-V96046-02-DA1	12/09/96	URANIUM-238	(1.86)	0.61	2.38	PCI/G	
SO-V96046-03-DA1	12/09/96	RADIUM-226	1.67	0.14	0.40	PCI/G	
SO-V96046-03-DA1	12/09/96	RADIUM-228	1.17	0.20	0.71	PCI/G	
SO-V96046-03-DA1	12/09/96	URANIUM-238	ND		4.25	PCI/G	
SO-V96047-01-DA1	12/05/96	RADIUM-226	1.59	0.13	0.31	PCI/G	
SO-V96047-01-DA1	12/05/96	RADIUM-228	1.53	0.18	0.59	PCI/G	
SO-V96047-01-DA1	12/05/96	URANIUM-238	6.51	1.45	3.45	PCI/G	
SO-V96047-02-DA1	12/05/96	RADIUM-226	1.34	0.10	0.27	PCI/G	
SO-V96047-02-DA1	12/05/96	RADIUM-228	1.48	0.16	0.56	PCI/G	
SO-V96047-02-DA1	12/05/96	URANIUM-238	ND		3.28	PCI/G	
SO-V96047-03-DA1	12/05/96	RADIUM-226	1.26	0.12	0.30	PCI/G	
SO-V96047-03-DA1	12/05/96	RADIUM-228	1.33	0.21	0.80	PCI/G	
SO-V96047-03-DA1	12/05/96	URANIUM-238	4.72	1.19	3.02	PCI/G	
SO-V96048-01-DA1	12/05/96	RADIUM-226	1.67	0.10	0.24	PCI/G	
SO-V96048-01-DA1	12/05/96	RADIUM-228	1.22	0.14	0.45	PCI/G	
SO-V96048-01-DA1	12/05/96	URANIUM-238	8.92	1.38	3.87	PCI/G	

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SO-V96048-02-DA1	12/05/96	RADIUM-226	1.45	0.13	0.35	PCI/G	
SO-V96048-02-DA1	12/05/96	RADIUM-228	ND		1.20	PCI/G	
SO-V96048-02-DA1	12/05/96	URANIUM-238	4.70	1.09	3.12	PCI/G	
SO-V96048-03-DA1	12/05/96	RADIUM-226	1.44	0.10	0.34	PCI/G	
SO-V96048-03-DA1	12/05/96	RADIUM-228	1.50	0.15	0.49	PCI/G	
SO-V96048-03-DA1	12/05/96	URANIUM-238	ND		3.35	PCI/G	
SO-V96049-01-DA1	12/05/96	RADIUM-226	1.50	0.14	0.51	PCI/G	
SO-V96049-01-DA1	12/05/96	RADIUM-228	ND		1.41	PCI/G	
SO-V96049-01-DA1	12/05/96	URANIUM-238	ND		4.48	PCI/G	
SO-V96049-02-DA1	12/05/96	RADIUM-226	1.41	0.12	0.34	PCI/G	
SO-V96049-02-DA1	12/05/96	RADIUM-228	1.53	0.18	0.44	PCI/G	
SO-V96049-02-DA1	12/05/96	URANIUM-238	ND		4.48	PCI/G	
SO-V96049-03-DA1	12/05/96	RADIUM-226	1.47	0.10	0.35	PCI/G	
SO-V96049-03-DA1	12/05/96	RADIUM-228	1.64	0.14	0.40	PCI/G	
SO-V96049-03-DA1	12/05/96	URANIUM-238	ND		3.16	PCI/G	
SO-V96050-01-DA1	12/05/96	RADIUM-226	1.42	0.14	0.52	PCI/G	
SO-V96050-01-DA1	12/05/96	RADIUM-228	ND		1.18	PCI/G	
SO-V96050-01-DA1	12/05/96	URANIUM-238	44.6	4.74	7.33	PCI/G	
SO-V96050-02-DA1	12/05/96	RADIUM-226	1.43	0.11	0.29	PCI/G	
SO-V96050-02-DA1	12/05/96	RADIUM-228	0.94	0.12	0.47	PCI/G	
SO-V96050-02-DA1	12/05/96	URANIUM-238	4.77	0.87	2.44	PCI/G	
SO-V96050-03-DA1	12/05/96	RADIUM-226	1.56	0.14	0.36	PCI/G	
SO-V96050-03-DA1	12/05/96	RADIUM-228	1.37	0.16	0.37	PCI/G	
SO-V96050-03-DA1	12/05/96	URANIUM-238	ND		5.02	PCI/G	
SO-V96051-01-DA1	12/05/96	RADIUM-226	1.56	0.10	0.31	PCI/G	
SO-V96051-01-DA1	12/05/96	RADIUM-228	1.21	0.13	0.42	PCI/G	
SO-V96051-01-DA1	12/05/96	URANIUM-238	38.0	3.82	3.43	PCI/G	
SO-V96051-02-DA1	12/05/96	RADIUM-226	1.26	0.13	0.49	PCI/G	
SO-V96051-02-DA1	12/05/96	RADIUM-228	1.34	0.20	0.39	PCI/G	
SO-V96051-02-DA1	12/05/96	URANIUM-238	14.1	2.22	5.56	PCI/G	
SO-V96051-03-DA1	12/05/96	RADIUM-226	1.54	0.10	0.29	PCI/G	
SO-V96051-03-DA1	12/05/96	RADIUM-228	1.10	0.12	0.40	PCI/G	
SO-V96051-03-DA1	12/05/96	URANIUM-238	10.6	1.41	2.96	PCI/G	
SO-V96051-04-DA1	12/05/96	RADIUM-226	1.57	0.14	0.45	PCI/G	
SO-V96051-04-DA1	12/05/96	RADIUM-228	1.25	0.17	0.61	PCI/G	
SO-V96051-04-DA1	12/05/96	URANIUM-238	9.95	1.52	3.15	PCI/G	
SO-V96052-01-DA1	12/05/96	RADIUM-226	1.31	0.11	0.41	PCI/G	
SO-V96052-01-DA1	12/05/96	RADIUM-228	1.37	0.16	0.50	PCI/G	
SO-V96052-01-DA1	12/05/96	URANIUM-238	38.2	3.78	3.44	PCI/G	
SO-V96052-02-DA1	12/05/96	RADIUM-226	1.19	0.12	0.41	PCI/G	
SO-V96052-02-DA1	12/05/96	RADIUM-228	1.38	0.20	0.66	PCI/G	
SO-V96052-02-DA1	12/05/96	URANIUM-238	ND		4.65	PCI/G	
SO-V96052-03-DA1	12/05/96	RADIUM-226	1.36	0.10	0.31	PCI/G	
SO-V96052-03-DA1	12/05/96	RADIUM-228	1.35	0.14	0.45	PCI/G	
SO-V96052-03-DA1	12/05/96	URANIUM-238	2.60	0.68	2.49	PCI/G	
SO-V96053-01-DA1	12/02/96	RADIUM-226	0.79	0.12	0.47	PCI/G	
SO-V96053-01-DA1	12/02/96	RADIUM-228	1.48	0.21	0.53	PCI/G	
SO-V96053-01-DA1	12/02/96	URANIUM-238	24.6	3.17	5.03	PCI/G	
SO-V96053-02-DA1	12/02/96	RADIUM-226	1.34	0.10	0.30	PCI/G	
SO-V96053-02-DA1	12/02/96	RADIUM-228	1.42	0.14	0.31	PCI/G	
SO-V96053-02-DA1	12/02/96	URANIUM-238	ND		3.52	PCI/G	
SO-V96053-03-DA1	12/02/96	RADIUM-226	1.50	0.13	0.39	PCI/G	
SO-V96053-03-DA1	12/02/96	RADIUM-228	1.13	0.20	0.64	PCI/G	
SO-V96053-03-DA1	12/02/96	URANIUM-238	(3.35)	1.25	3.74	PCI/G	
SO-V96053-04-DA1	12/02/96	RADIUM-226	1.19	0.10	0.33	PCI/G	
SO-V96053-04-DA1	12/02/96	RADIUM-228	1.13	0.12	0.34	PCI/G	
SO-V96053-04-DA1	12/02/96	URANIUM-238	ND		3.10	PCI/G	
SO-V97054-01-DA1	03/21/97	RADIUM-226	1.62	0.13	0.38	PCI/G	
SO-V97054-01-DA1	03/21/97	RADIUM-228	1.23	0.18	0.59	PCI/G	
SO-V97054-01-DA1	03/21/97	URANIUM-238	ND		4.22	PCI/G	
SO-V97054-02-DA1	03/21/97	RADIUM-226	1.39	0.10	0.26	PCI/G	
SO-V97054-02-DA1	03/21/97	RADIUM-228	1.34	0.13	0.40	PCI/G	
SO-V97054-02-DA1	03/21/97	URANIUM-238	ND		2.77	PCI/G	
SO-V97055-01-DA1	03/21/97	RADIUM-226	1.20	0.11	0.31	PCI/G	
SO-V97055-01-DA1	03/21/97	RADIUM-228	ND		1.03	PCI/G	
SO-V97055-01-DA1	03/21/97	URANIUM-238	ND		3.49	PCI/G	

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SO-V96001-01-DA2	12/13/96	RADIUM-226	1.48	0.13	0.34	PCI/G	
SO-V96001-01-DA2	12/13/96	RADIUM-228	ND		0.82	PCI/G	
SO-V96001-01-DA2	12/13/96	URANIUM-238	11.5	1.79	4.01	PCI/G	
SO-V96001-02-DA2	12/13/96	RADIUM-226	1.34	0.10	0.35	PCI/G	
SO-V96001-02-DA2	12/13/96	RADIUM-228	1.30	0.14	0.49	PCI/G	
SO-V96001-02-DA2	12/13/96	URANIUM-238	ND		3.41	PCI/G	
SO-V96001-03-DA2	12/13/96	RADIUM-226	1.62	0.11	0.32	PCI/G	
SO-V96001-03-DA2	12/13/96	RADIUM-228	1.30	0.14	0.50	PCI/G	
SO-V96001-03-DA2	12/13/96	URANIUM-238	ND		3.16	PCI/G	
SO-V96002-01-DA2	12/16/96	RADIUM-226	1.73	0.14	0.42	PCI/G	
SO-V96002-01-DA2	12/16/96	RADIUM-228	ND		0.94	PCI/G	
SO-V96002-01-DA2	12/16/96	URANIUM-238	7.29	1.35	3.57	PCI/G	
SO-V96002-02-DA2	12/16/96	RADIUM-226	1.01	0.09	0.20	PCI/G	
SO-V96002-02-DA2	12/16/96	RADIUM-228	ND		0.60	PCI/G	
SO-V96002-02-DA2	12/16/96	URANIUM-238	ND		2.50	PCI/G	
SO-V96002-03-DA2	12/16/96	RADIUM-226	1.34	0.12	0.39	PCI/G	
SO-V96002-03-DA2	12/16/96	RADIUM-228	1.29	0.17	0.55	PCI/G	
SO-V96002-03-DA2	12/16/96	URANIUM-238	ND		4.23	PCI/G	
SO-V96003-01-DA2	12/16/96	RADIUM-226	1.31	0.10	0.32	PCI/G	
SO-V96003-01-DA2	12/16/96	RADIUM-228	1.19	0.13	0.38	PCI/G	
SO-V96003-01-DA2	12/16/96	URANIUM-238	ND		3.41	PCI/G	
SO-V96003-02-DA2	12/16/96	RADIUM-226	1.46	0.12	0.27	PCI/G	
SO-V96003-02-DA2	12/16/96	RADIUM-228	1.53	0.19	0.49	PCI/G	
SO-V96003-02-DA2	12/16/96	URANIUM-238	ND		4.03	PCI/G	
SO-V96003-03-DA2	12/16/96	RADIUM-226	1.42	0.11	0.30	PCI/G	
SO-V96003-03-DA2	12/16/96	RADIUM-228	1.31	0.13	0.48	PCI/G	
SO-V96003-03-DA2	12/16/96	URANIUM-238	ND		3.33	PCI/G	
SO-V96004-01-DA2	12/17/96	RADIUM-226	1.48	0.14	0.36	PCI/G	
SO-V96004-01-DA2	12/17/96	RADIUM-228	1.04	0.16	0.47	PCI/G	
SO-V96004-01-DA2	12/17/96	URANIUM-238	7.60	1.78	4.53	PCI/G	
SO-V96004-02-DA2	12/17/96	RADIUM-226	1.27	0.10	0.33	PCI/G	
SO-V96004-02-DA2	12/17/96	RADIUM-228	1.20	0.13	0.43	PCI/G	
SO-V96004-02-DA2	12/17/96	URANIUM-238	ND		3.26	PCI/G	
SO-V96004-03-DA2	12/17/96	RADIUM-226	1.36	0.13	0.39	PCI/G	
SO-V96004-03-DA2	12/17/96	RADIUM-228	ND		1.13	PCI/G	
SO-V96004-03-DA2	12/17/96	URANIUM-238	ND		3.86	PCI/G	
SO-V96005-01-DA2	12/17/96	RADIUM-226	1.38	0.10	0.31	PCI/G	
SO-V96005-01-DA2	12/17/96	RADIUM-228	0.86	0.11	0.34	PCI/G	
SO-V96005-01-DA2	12/17/96	URANIUM-238	14.7	1.77	3.20	PCI/G	
SO-V96005-02-DA2	12/17/96	RADIUM-226	1.46	0.13	0.39	PCI/G	
SO-V96005-02-DA2	12/17/96	RADIUM-228	ND		1.18	PCI/G	
SO-V96005-02-DA2	12/17/96	URANIUM-238	ND		4.19	PCI/G	
SO-V96005-03-DA2	12/17/96	RADIUM-226	1.50	0.10	0.30	PCI/G	
SO-V96005-03-DA2	12/17/96	RADIUM-228	1.20	0.17	0.45	PCI/G	
SO-V96005-03-DA2	12/17/96	URANIUM-238	ND		3.08	PCI/G	
SO-V96006-01-DA2	12/19/96	RADIUM-226	1.52	0.13	0.34	PCI/G	
SO-V96006-01-DA2	12/19/96	RADIUM-228	1.70	0.23	0.65	PCI/G	
SO-V96006-01-DA2	12/19/96	URANIUM-238	ND		4.25	PCI/G	
SO-V96006-02-DA2	12/19/96	RADIUM-226	1.76	0.12	0.30	PCI/G	
SO-V96006-02-DA2	12/19/96	RADIUM-228	1.30	0.14	0.50	PCI/G	
SO-V96006-02-DA2	12/19/96	URANIUM-238	ND		3.16	PCI/G	
SO-V96006-03-DA2	12/19/96	RADIUM-226	1.59	0.10	0.28	PCI/G	
SO-V96006-03-DA2	12/19/96	RADIUM-228	1.41	0.14	0.46	PCI/G	
SO-V96006-03-DA2	12/19/96	URANIUM-238	ND		3.18	PCI/G	
SO-V96007-01-DA2	12/19/96	RADIUM-226	1.61	0.11	0.29	PCI/G	
SO-V96007-01-DA2	12/19/96	RADIUM-228	1.13	0.13	0.52	PCI/G	
SO-V96007-01-DA2	12/19/96	URANIUM-238	(2.46)	0.75	2.75	PCI/G	
SO-V96007-02-DA2	12/19/96	RADIUM-226	1.69	0.11	0.29	PCI/G	
SO-V96007-02-DA2	12/19/96	RADIUM-228	1.18	0.13	0.47	PCI/G	
SO-V96007-02-DA2	12/19/96	URANIUM-238	ND		3.30	PCI/G	
SO-V96007-03-DA2	12/19/96	RADIUM-226	1.63	0.10	0.32	PCI/G	
SO-V96007-03-DA2	12/19/96	RADIUM-228	1.08	0.14	0.52	PCI/G	
SO-V96007-03-DA2	12/19/96	URANIUM-238	ND		3.19	PCI/G	
SO-V96008-01-DA2	12/19/96	RADIUM-226	1.69	0.12	0.37	PCI/G	
SO-V96008-01-DA2	12/19/96	RADIUM-228	1.40	0.14	0.42	PCI/G	
SO-V96008-01-DA2	12/19/96	URANIUM-238	ND		3.52	PCI/G	

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SO-V96008-02-DA2	12/19/96	RADIUM-226	1.54	0.13	0.30	PCI/G	
SO-V96008-02-DA2	12/19/96	RADIUM-228	1.31	0.18	0.43	PCI/G	
SO-V96008-02-DA2	12/19/96	URANIUM-238	ND		4.39	PCI/G	
SO-V96008-03-DA2	12/19/96	RADIUM-226	1.62	0.10	0.33	PCI/G	
SO-V96008-03-DA2	12/19/96	RADIUM-228	1.31	0.14	0.47	PCI/G	
SO-V96008-03-DA2	12/19/96	URANIUM-238	ND		3.17	PCI/G	
SO-V96009-01-DA2	12/19/96	RADIUM-226	1.45	0.10	0.32	PCI/G	
SO-V96009-01-DA2	12/19/96	RADIUM-228	1.40	0.14	0.47	PCI/G	
SO-V96009-01-DA2	12/19/96	URANIUM-238	ND		3.18	PCI/G	
SO-V96009-02-DA2	12/19/96	RADIUM-226	1.59	0.13	0.32	PCI/G	
SO-V96009-02-DA2	12/19/96	RADIUM-228	1.47	0.20	0.54	PCI/G	
SO-V96009-02-DA2	12/19/96	URANIUM-238	ND		4.12	PCI/G	
SO-V96009-03-DA2	12/19/96	RADIUM-226	1.52	0.11	0.35	PCI/G	
SO-V96009-03-DA2	12/19/96	RADIUM-228	1.51	0.14	0.47	PCI/G	
SO-V96009-03-DA2	12/19/96	URANIUM-238	ND		3.14	PCI/G	
SO-V96010-01-DA2	12/19/96	RADIUM-226	1.69	0.10	0.29	PCI/G	
SO-V96010-01-DA2	12/19/96	RADIUM-228	1.26	0.14	0.43	PCI/G	
SO-V96010-01-DA2	12/19/96	URANIUM-238	6.76	1.04	2.50	PCI/G	
SO-V96010-02-DA2	12/19/96	RADIUM-226	1.52	0.12	0.33	PCI/G	
SO-V96010-02-DA2	12/19/96	RADIUM-228	1.29	0.17	0.49	PCI/G	
SO-V96010-02-DA2	12/19/96	URANIUM-238	ND		4.17	PCI/G	
SO-V96010-03-DA2	12/19/96	RADIUM-226	1.63	0.10	0.28	PCI/G	
SO-V96010-03-DA2	12/19/96	RADIUM-228	1.10	0.14	0.48	PCI/G	
SO-V96010-03-DA2	12/19/96	URANIUM-238	ND		3.29	PCI/G	
SO-V96011-01-DA2	12/19/96	RADIUM-226	1.57	0.10	0.25	PCI/G	
SO-V96011-01-DA2	12/19/96	RADIUM-228	1.38	0.14	0.48	PCI/G	
SO-V96011-01-DA2	12/19/96	URANIUM-238	2.97	0.73	2.43	PCI/G	
SO-V96011-02-DA2	12/19/96	RADIUM-226	1.70	0.11	0.35	PCI/G	
SO-V96011-02-DA2	12/19/96	RADIUM-228	1.11	0.13	0.39	PCI/G	
SO-V96011-02-DA2	12/19/96	URANIUM-238	ND		3.35	PCI/G	
SO-V96011-03-DA2	12/19/96	RADIUM-226	1.26	0.12	0.24	PCI/G	
SO-V96011-03-DA2	12/19/96	RADIUM-228	1.44	0.18	0.47	PCI/G	
SO-V96011-03-DA2	12/19/96	URANIUM-238	ND		4.10	PCI/G	
SO-V96012-01-DA2	12/19/96	RADIUM-226	1.43	0.09	0.20	PCI/G	
SO-V96012-01-DA2	12/19/96	RADIUM-228	1.07	0.12	0.43	PCI/G	
SO-V96012-01-DA2	12/19/96	URANIUM-238	ND		3.28	PCI/G	
SO-V96012-02-DA2	12/19/96	RADIUM-226	1.37	0.14	0.26	PCI/G	
SO-V96012-02-DA2	12/19/96	RADIUM-228	1.48	0.18	0.43	PCI/G	
SO-V96012-02-DA2	12/19/96	URANIUM-238	ND		4.05	PCI/G	
SO-V96012-03-DA2	12/19/96	RADIUM-226	1.44	0.10	0.25	PCI/G	
SO-V96012-03-DA2	12/19/96	RADIUM-228	1.38	0.14	0.41	PCI/G	
SO-V96012-03-DA2	12/19/96	URANIUM-238	ND		3.30	PCI/G	
SO-V96013-01-DA2	12/19/96	RADIUM-226	1.62	0.11	0.23	PCI/G	
SO-V96013-01-DA2	12/19/96	RADIUM-228	1.19	0.15	0.59	PCI/G	
SO-V96013-01-DA2	12/19/96	URANIUM-238	4.20	0.75	2.21	PCI/G	
SO-V96013-02-DA2	12/19/96	RADIUM-226	1.54	0.13	0.39	PCI/G	
SO-V96013-02-DA2	12/19/96	RADIUM-228	1.75	0.22	0.41	PCI/G	
SO-V96013-02-DA2	12/19/96	URANIUM-238	ND		4.27	PCI/G	
SO-V96013-03-DA2	12/19/96	RADIUM-226	1.55	0.11	0.39	PCI/G	
SO-V96013-03-DA2	12/19/96	RADIUM-228	1.07	0.14	0.56	PCI/G	
SO-V96013-03-DA2	12/19/96	URANIUM-238	ND		3.29	PCI/G	
SO-V96014-01-DA2	12/20/96	RADIUM-226	1.15	0.11	0.31	PCI/G	
SO-V96014-01-DA2	12/20/96	RADIUM-228	ND		0.97	PCI/G	
SO-V96014-01-DA2	12/20/96	URANIUM-238	6.44	1.49	3.69	PCI/G	
SO-V96014-02-DA2	12/20/96	RADIUM-226	0.91	0.08	0.13	PCI/G	
SO-V96014-02-DA2	12/20/96	RADIUM-228	ND		0.54	PCI/G	
SO-V96014-02-DA2	12/20/96	URANIUM-238	ND		2.57	PCI/G	
SO-V96014-03-DA2	12/20/96	RADIUM-226	1.37	0.14	0.43	PCI/G	
SO-V96014-03-DA2	12/20/96	RADIUM-228	ND		1.26	PCI/G	
SO-V96014-03-DA2	12/20/96	URANIUM-238	ND		4.56	PCI/G	
SO-V96015-01-DA2	12/20/96	RADIUM-226	0.88	0.08	0.20	PCI/G	
SO-V96015-01-DA2	12/20/96	RADIUM-228	ND		0.56	PCI/G	
SO-V96015-01-DA2	12/20/96	URANIUM-238	(1.77)	0.52	1.91	PCI/G	
SO-V96015-02-DA2	12/20/96	RADIUM-226	1.61	0.13	0.35	PCI/G	
SO-V96015-02-DA2	12/20/96	RADIUM-228	1.22	0.18	0.51	PCI/G	
SO-V96015-02-DA2	12/20/96	URANIUM-238	ND		4.18	PCI/G	

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SO-V96015-03-DA2	12/20/96	RADIUM-226	1.56	0.10	0.32	PCI/G	
SO-V96015-03-DA2	12/20/96	RADIUM-228	0.92	0.12	0.46	PCI/G	
SO-V96015-03-DA2	12/20/96	URANIUM-238	2.29	0.62	2.10	PCI/G	
SO-V96016-01-DA2	12/20/96	RADIUM-226	1.18	0.12	0.35	PCI/G	
SO-V96016-01-DA2	12/20/96	RADIUM-228	ND		0.84	PCI/G	
SO-V96016-01-DA2	12/20/96	URANIUM-238	8.71	1.50	3.62	PCI/G	
SO-V96016-02-DA2	12/20/96	RADIUM-226	1.41	0.09	0.26	PCI/G	
SO-V96016-02-DA2	12/20/96	RADIUM-228	0.74	0.13	0.44	PCI/G	
SO-V96016-02-DA2	12/20/96	URANIUM-238	ND		3.17	PCI/G	
SO-V96016-03-DA2	12/20/96	RADIUM-226	1.45	0.13	0.40	PCI/G	
SO-V96016-03-DA2	12/20/96	RADIUM-228	1.32	0.16	0.43	PCI/G	
SO-V96016-03-DA2	12/20/96	URANIUM-238	ND		3.88	PCI/G	
SO-V96017-01-DA2	12/17/96	RADIUM-226	1.23	0.12	0.38	PCI/G	
SO-V96017-01-DA2	12/17/96	RADIUM-228	ND		0.97	PCI/G	
SO-V96017-01-DA2	12/17/96	URANIUM-238	ND		4.14	PCI/G	
SO-V96017-02-DA2	12/17/96	RADIUM-226	1.45	0.10	0.31	PCI/G	
SO-V96017-02-DA2	12/17/96	RADIUM-228	1.36	0.13	0.47	PCI/G	
SO-V96017-02-DA2	12/17/96	URANIUM-238	ND		3.10	PCI/G	
SO-V96017-03-DA2	12/17/96	RADIUM-226	1.26	0.12	0.41	PCI/G	
SO-V96017-03-DA2	12/17/96	RADIUM-228	ND		1.15	PCI/G	
SO-V96017-03-DA2	12/17/96	URANIUM-238	ND		4.03	PCI/G	
SO-V96018-01-DA2	12/17/96	RADIUM-226	1.30	0.10	0.26	PCI/G	
SO-V96018-01-DA2	12/17/96	RADIUM-228	0.71	0.12	0.29	PCI/G	
SO-V96018-01-DA2	12/17/96	URANIUM-238	12.4	1.76	3.97	PCI/G	
SO-V96018-02-DA2	12/17/96	RADIUM-226	1.30	0.10	0.32	PCI/G	
SO-V96018-02-DA2	12/17/96	RADIUM-228	0.99	0.11	0.37	PCI/G	
SO-V96018-02-DA2	12/17/96	URANIUM-238	2.27	0.55	1.89	PCI/G	
SO-V96018-03-DA2	12/17/96	RADIUM-226	1.32	0.13	0.39	PCI/G	
SO-V96018-03-DA2	12/17/96	RADIUM-228	1.34	0.19	0.45	PCI/G	
SO-V96018-03-DA2	12/17/96	URANIUM-238	ND		3.79	PCI/G	
SO-V96019-01-DA2	12/16/96	RADIUM-226	1.32	0.12	0.30	PCI/G	
SO-V96019-01-DA2	12/16/96	RADIUM-228	1.17	0.18	0.58	PCI/G	
SO-V96019-01-DA2	12/16/96	URANIUM-238	ND		4.48	PCI/G	
SO-V96019-02-DA2	12/16/96	RADIUM-226	1.54	0.11	0.32	PCI/G	
SO-V96019-02-DA2	12/16/96	RADIUM-228	1.07	0.13	0.46	PCI/G	
SO-V96019-02-DA2	12/16/96	URANIUM-238	ND		3.12	PCI/G	
SO-V96019-03-DA2	12/16/96	RADIUM-226	1.66	0.13	0.35	PCI/G	
SO-V96019-03-DA2	12/16/96	RADIUM-228	ND		1.32	PCI/G	
SO-V96019-03-DA2	12/16/96	URANIUM-238	ND		3.92	PCI/G	
SO-V96020-01-DA2	12/19/96	RADIUM-226	1.51	0.11	0.33	PCI/G	
SO-V96020-01-DA2	12/19/96	RADIUM-228	1.33	0.13	0.49	PCI/G	
SO-V96020-01-DA2	12/19/96	URANIUM-238	16.6	2.06	3.74	PCI/G	
SO-V96020-02-DA2	12/19/96	RADIUM-226	1.51	0.14	0.47	PCI/G	
SO-V96020-02-DA2	12/19/96	RADIUM-228	1.35	0.18	0.60	PCI/G	
SO-V96020-02-DA2	12/19/96	URANIUM-238	ND		4.67	PCI/G	
SO-V96020-03-DA2	12/19/96	RADIUM-226	1.64	0.13	0.32	PCI/G	
SO-V96020-03-DA2	12/19/96	RADIUM-228	1.18	0.19	0.86	PCI/G	
SO-V96020-03-DA2	12/19/96	URANIUM-238	ND		4.14	PCI/G	
SO-V96020-04-DA2	12/19/96	RADIUM-226	1.53	0.11	0.30	PCI/G	
SO-V96020-04-DA2	12/19/96	RADIUM-228	0.98	0.13	0.47	PCI/G	
SO-V96020-04-DA2	12/19/96	URANIUM-238	ND		3.35	PCI/G	
SO-V96021-01-DA2	12/19/96	RADIUM-226	1.74	0.15	0.41	PCI/G	
SO-V96021-01-DA2	12/19/96	RADIUM-228	1.18	0.15	0.39	PCI/G	
SO-V96021-01-DA2	12/19/96	URANIUM-238	ND		4.52	PCI/G	
SO-V96021-02-DA2	12/19/96	RADIUM-226	1.29	0.10	0.32	PCI/G	
SO-V96021-02-DA2	12/19/96	RADIUM-228	1.40	0.13	0.46	PCI/G	
SO-V96021-02-DA2	12/19/96	URANIUM-238	ND		3.16	PCI/G	
SO-V96021-03-DA2	12/19/96	RADIUM-226	1.64	0.13	0.31	PCI/G	
SO-V96021-03-DA2	12/19/96	RADIUM-228	ND		1.21	PCI/G	
SO-V96021-03-DA2	12/19/96	URANIUM-238	ND		4.37	PCI/G	
SO-V96021-04-DA2	12/19/96	RADIUM-226	1.49	0.11	0.25	PCI/G	
SO-V96021-04-DA2	12/19/96	RADIUM-228	1.40	0.14	0.52	PCI/G	
SO-V96021-04-DA2	12/19/96	URANIUM-238	ND		3.29	PCI/G	
SO-V96022-01-DA2	12/13/96	RADIUM-226	1.08	0.12	0.44	PCI/G	
SO-V96022-01-DA2	12/13/96	RADIUM-228	ND		0.93	PCI/G	
SO-V96022-01-DA2	12/13/96	URANIUM-238	ND		3.92	PCI/G	

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SO-V96022-02-DA2	12/13/96	RADIUM-226	1.55	0.11	0.34	PCI/G	
SO-V96022-02-DA2	12/13/96	RADIUM-228	1.13	0.13	0.47	PCI/G	
SO-V96022-02-DA2	12/13/96	URANIUM-238	ND		3.11	PCI/G	
SO-V96022-03-DA2	12/13/96	RADIUM-226	1.80	0.14	0.41	PCI/G	
SO-V96022-03-DA2	12/13/96	RADIUM-228	1.59	0.21	0.63	PCI/G	
SO-V96022-03-DA2	12/13/96	URANIUM-238	ND		4.23	PCI/G	
SO-V96023-01-DA2	12/13/96	RADIUM-226	0.91	0.08	0.26	PCI/G	
SO-V96023-01-DA2	12/13/96	RADIUM-228	0.54	0.09	0.26	PCI/G	
SO-V96023-01-DA2	12/13/96	URANIUM-238	(1.32)	0.51	2.15	PCI/G	
SO-V96023-02-DA2	12/13/96	RADIUM-226	1.92	0.15	0.47	PCI/G	
SO-V96023-02-DA2	12/13/96	RADIUM-228	1.25	0.18	0.72	PCI/G	
SO-V96023-02-DA2	12/13/96	URANIUM-238	ND		4.47	PCI/G	
SO-V96023-03-DA2	12/13/96	RADIUM-226	1.57	0.10	0.34	PCI/G	
SO-V96023-03-DA2	12/13/96	RADIUM-228	1.35	0.14	0.46	PCI/G	
SO-V96023-03-DA2	12/13/96	URANIUM-238	ND		3.27	PCI/G	
SO-V96024-01-DA2	12/13/96	RADIUM-226	1.70	0.14	0.42	PCI/G	
SO-V96024-01-DA2	12/13/96	RADIUM-228	1.45	0.19	0.57	PCI/G	
SO-V96024-01-DA2	12/13/96	URANIUM-238	ND		4.59	PCI/G	
SO-V96024-02-DA2	12/13/96	RADIUM-226	1.46	0.10	0.28	PCI/G	
SO-V96024-02-DA2	12/13/96	RADIUM-228	1.19	0.13	0.38	PCI/G	
SO-V96024-02-DA2	12/13/96	URANIUM-238	ND		3.34	PCI/G	
SO-V96024-03-DA2	12/13/96	RADIUM-226	1.70	0.14	0.46	PCI/G	
SO-V96024-03-DA2	12/13/96	RADIUM-228	1.27	0.18	0.59	PCI/G	
SO-V96024-03-DA2	12/13/96	URANIUM-238	ND		3.97	PCI/G	
SO-V96025-01-DA2	12/13/96	RADIUM-226	1.67	0.11	0.27	PCI/G	
SO-V96025-01-DA2	12/13/96	RADIUM-228	0.75	0.10	0.40	PCI/G	
SO-V96025-01-DA2	12/13/96	URANIUM-238	3.19	0.86	3.18	PCI/G	
SO-V96025-02-DA2	12/13/96	RADIUM-226	1.19	0.12	0.38	PCI/G	
SO-V96025-02-DA2	12/13/96	RADIUM-228	0.88	0.17	0.49	PCI/G	
SO-V96025-02-DA2	12/13/96	URANIUM-238	ND		4.41	PCI/G	
SO-V96025-03-DA2	12/13/96	RADIUM-226	1.50	0.11	0.38	PCI/G	
SO-V96025-03-DA2	12/13/96	RADIUM-228	1.65	0.14	0.48	PCI/G	
SO-V96025-03-DA2	12/13/96	URANIUM-238	ND		3.32	PCI/G	
SO-V96026-01-DA2	12/13/96	RADIUM-226	36.3	0.86	1.24	PCI/G	
SO-V96026-01-DA2	12/13/96	RADIUM-228	ND		2.12	PCI/G	
SO-V96026-01-DA2	12/13/96	URANIUM-238	212	17.6	15.9	PCI/G	
SO-V96026-02-DA2	12/13/96	RADIUM-226	2.49	0.13	0.36	PCI/G	
SO-V96026-02-DA2	12/13/96	RADIUM-228	1.61	0.17	0.49	PCI/G	
SO-V96026-02-DA2	12/13/96	URANIUM-238	6.33	1.06	3.14	PCI/G	
SO-V96026-03-DA2	12/13/96	RADIUM-226	1.75	0.15	0.36	PCI/G	
SO-V96026-03-DA2	12/13/96	RADIUM-228	1.32	0.18	0.15	PCI/G	
SO-V96026-03-DA2	12/13/96	URANIUM-238	5.74	1.30	3.08	PCI/G	
SO-V96027-01-DA2	12/16/96	RADIUM-226	1.62	0.11	0.36	PCI/G	
SO-V96027-01-DA2	12/16/96	RADIUM-228	1.21	0.13	0.46	PCI/G	
SO-V96027-01-DA2	12/16/96	URANIUM-238	ND		3.36	PCI/G	
SO-V96027-02-DA2	12/16/96	RADIUM-226	1.63	0.14	0.45	PCI/G	
SO-V96027-02-DA2	12/16/96	RADIUM-228	1.48	0.19	0.44	PCI/G	
SO-V96027-02-DA2	12/16/96	URANIUM-238	ND		3.92	PCI/G	
SO-V96027-03-DA2	12/16/96	RADIUM-226	1.64	0.11	0.28	PCI/G	
SO-V96027-03-DA2	12/16/96	RADIUM-228	1.46	0.14	0.14	PCI/G	
SO-V96027-03-DA2	12/16/96	URANIUM-238	ND		3.18	PCI/G	
SO-V96028-01-DA2	12/16/96	RADIUM-226	1.79	0.13	0.23	PCI/G	
SO-V96028-01-DA2	12/16/96	RADIUM-228	ND		0.87	PCI/G	
SO-V96028-01-DA2	12/16/96	URANIUM-238	6.46	1.22	3.08	PCI/G	
SO-V96028-02-DA2	12/16/96	RADIUM-226	1.39	0.12	0.26	PCI/G	
SO-V96028-02-DA2	12/16/96	RADIUM-228	ND		1.15	PCI/G	
SO-V96028-02-DA2	12/16/96	URANIUM-238	ND		4.45	PCI/G	
SO-V96028-03-DA2	12/16/96	RADIUM-226	1.35	0.10	0.32	PCI/G	
SO-V96028-03-DA2	12/16/96	RADIUM-228	0.96	0.12	0.45	PCI/G	
SO-V96028-03-DA2	12/16/96	URANIUM-238	ND		3.17	PCI/G	
SO-V96028-04-DA2	12/16/96	RADIUM-226	1.41	0.13	0.40	PCI/G	
SO-V96028-04-DA2	12/16/96	RADIUM-228	1.14	0.21	0.68	PCI/G	
SO-V96028-04-DA2	12/16/96	URANIUM-238	ND		4.03	PCI/G	
SO-V96029-01-DA2	12/16/96	RADIUM-226	2.28	0.13	0.37	PCI/G	
SO-V96029-01-DA2	12/16/96	RADIUM-228	1.05	0.14	0.59	PCI/G	
SO-V96029-01-DA2	12/16/96	URANIUM-238	53.8	5.10	4.58	PCI/G	

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SO-V96029-02-DA2	12/16/96	RADIUM-226	1.11	0.11	0.30	PCI/G	
SO-V96029-02-DA2	12/16/96	RADIUM-228	ND		0.96	PCI/G	
SO-V96029-02-DA2	12/16/96	URANIUM-238	ND		3.88	PCI/G	
SO-V96029-03-DA2	12/16/96	RADIUM-226	1.21	0.09	0.23	PCI/G	
SO-V96029-03-DA2	12/16/96	RADIUM-228	1.04	0.13	0.39	PCI/G	
SO-V96029-03-DA2	12/16/96	URANIUM-238	(1.89)	0.46	2.09	PCI/G	
SO-V96030-01-DA2	12/20/96	RADIUM-226	1.17	0.12	0.34	PCI/G	
SO-V96030-01-DA2	12/20/96	RADIUM-228	ND		0.81	PCI/G	
SO-V96030-01-DA2	12/20/96	URANIUM-238	10.3	1.62	3.67	PCI/G	
SO-V96030-02-DA2	12/20/96	RADIUM-226	0.99	0.08	0.24	PCI/G	
SO-V96030-02-DA2	12/20/96	RADIUM-228	0.47	0.09	0.25	PCI/G	
SO-V96030-02-DA2	12/20/96	URANIUM-238	2.96	0.63	2.05	PCI/G	
SO-V96030-03-DA2	12/20/96	RADIUM-226	1.88	0.15	0.43	PCI/G	
SO-V96030-03-DA2	12/20/96	RADIUM-228	ND		1.33	PCI/G	
SO-V96030-03-DA2	12/20/96	URANIUM-238	ND		4.08	PCI/G	
SO-V96030-04-DA2	12/20/96	RADIUM-226	1.68	0.11	0.25	PCI/G	
SO-V96030-04-DA2	12/20/96	RADIUM-228	1.23	0.13	0.42	PCI/G	
SO-V96030-04-DA2	12/20/96	URANIUM-238	ND		3.25	PCI/G	
SO-V97031-01-DA2	03/21/97	RADIUM-226	1.40	0.12	0.37	PCI/G	
SO-V97031-01-DA2	03/21/97	RADIUM-228	1.20	0.20	0.55	PCI/G	
SO-V97031-01-DA2	03/21/97	URANIUM-238	ND		3.82	PCI/G	
SO-V97031-02-DA2	03/21/97	RADIUM-226	1.43	0.09	0.22	PCI/G	
SO-V97031-02-DA2	03/21/97	RADIUM-228	0.91	0.12	0.39	PCI/G	
SO-V97031-02-DA2	03/21/97	URANIUM-238	ND		2.55	PCI/G	

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SO-V96001-01-DA3-RS	01/20/97	PERCENT MOISTURE	24.0		1.00	PRCNT	
SO-V96001-01-DA3-RS	01/20/97	RADIUM-226	0.476	0.119	0.0698	PCI/G	
SO-V96001-01-DA3-RS	01/20/97	RADIUM-228	0.303	0.150	0.109	PCI/G	
SO-V96001-01-DA3-RS	01/20/97	URANIUM-238	6.16	1.67	1.13	PCI/G	
SO-V96001-02-DA3-RS	01/20/97	PERCENT MOISTURE	17.0		1.00	PRCNT	
SO-V96001-02-DA3-RS	01/20/97	RADIUM-226	0.475	0.0958	0.0581	PCI/G	
SO-V96001-02-DA3-RS	01/20/97	RADIUM-228	0.143	0.108	0.141	PCI/G	
SO-V96001-02-DA3-RS	01/20/97	URANIUM-238	1.09	0.872	0.930	PCI/G	
SO-V96002-01-DA3-RS	01/03/97	RADIUM-226	0.690	0.110	0.112	PCI/G	
SO-V96002-01-DA3-RS	01/03/97	RADIUM-228	0.398	0.189	0.296	PCI/G	
SO-V96002-01-DA3-RS	01/03/97	URANIUM-238	22.9	1.64	1.60	PCI/G	
SO-V96003-01-DA3-RS	01/03/97	RADIUM-226	0.424	0.0605	0.0562	PCI/G	
SO-V96003-01-DA3-RS	01/03/97	RADIUM-228	0.235	0.0953	0.140	PCI/G	
SO-V96003-01-DA3-RS	01/03/97	URANIUM-238	(0.996)	0.579	1.16	PCI/G	
SO-V96003-02-DA3-RS	01/03/97	RADIUM-226	0.761	0.0832	0.0771	PCI/G	
SO-V96003-02-DA3-RS	01/03/97	RADIUM-228	0.575	0.105	0.147	PCI/G	
SO-V96003-02-DA3-RS	01/03/97	URANIUM-238	(0.391)	1.52	2.66	PCI/G	
SO-V96003-03-DA3-RS	01/03/97	RADIUM-226	0.414	0.0632	0.0650	PCI/G	
SO-V96003-03-DA3-RS	01/03/97	RADIUM-228	(0.179)	0.124	0.208	PCI/G	
SO-V96003-03-DA3-RS	01/03/97	URANIUM-238	(0.534)	0.492	0.961	PCI/G	
SO-V96004-01-DA3-RS	01/03/97	RADIUM-226	0.305	0.0750	0.0981	PCI/G	
SO-V96004-01-DA3-RS	01/03/97	RADIUM-228	0.158	0.122	0.132	PCI/G	
SO-V96004-01-DA3-RS	01/03/97	URANIUM-238	44.0	4.47	5.18	PCI/G	
SO-V96004-02-DA3-RS	01/03/97	RADIUM-226	0.378	0.0584	0.0626	PCI/G	
SO-V96004-02-DA3-RS	01/03/97	RADIUM-228	0.125	0.0778	0.0922	PCI/G	
SO-V96004-02-DA3-RS	01/03/97	URANIUM-238	8.80	2.05	2.50	PCI/G	
SO-V96005-01-DA3-RS	01/03/97	RADIUM-226	0.408	0.0720	0.130	PCI/G	
SO-V96005-01-DA3-RS	01/03/97	RADIUM-228	(0.179)	0.168	0.322	PCI/G	
SO-V96005-01-DA3-RS	01/03/97	URANIUM-238	43.7	2.19	2.00	PCI/G	
SO-V96005-02-DA3-RS	01/03/97	RADIUM-226	0.386	0.0634	0.0774	PCI/G	
SO-V96005-02-DA3-RS	01/03/97	RADIUM-228	0.229	0.0862	0.116	PCI/G	
SO-V96005-02-DA3-RS	01/03/97	URANIUM-238	2.91	1.54	2.38	PCI/G	
SO-V96006-01-DA3	01/03/97	RADIUM-226	0.684	0.0945	0.0874	PCI/G	
SO-V96006-01-DA3	01/03/97	RADIUM-228	0.621	0.130	0.139	PCI/G	
SO-V96006-01-DA3	01/03/97	URANIUM-238	6.33	2.48	3.12	PCI/G	
SO-V96006-02-DA3	01/03/97	RADIUM-226	0.555	0.104	0.110	PCI/G	
SO-V96006-02-DA3	01/03/97	RADIUM-228	0.527	0.239	0.363	PCI/G	
SO-V96006-02-DA3	01/03/97	URANIUM-238	(0.747)	1.35	1.25	PCI/G	
SO-V96006-03-DA3	01/03/97	RADIUM-226	0.478	0.0834	0.0823	PCI/G	
SO-V96006-03-DA3	01/03/97	RADIUM-228	0.442	0.128	0.164	PCI/G	
SO-V96006-03-DA3	01/03/97	URANIUM-238	(0.246)	1.02	0.87	PCI/G	
SO-V96007-01-DA3	01/03/97	RADIUM-226	0.762	0.0978	0.105	PCI/G	
SO-V96007-01-DA3	01/03/97	RADIUM-228	0.658	0.156	0.180	PCI/G	
SO-V96007-01-DA3	01/03/97	URANIUM-238	6.08	2.95	3.80	PCI/G	
SO-V96007-02-DA3	01/03/97	RADIUM-226	0.583	0.0921	0.110	PCI/G	
SO-V96007-02-DA3	01/03/97	RADIUM-228	0.572	0.168	0.213	PCI/G	
SO-V96007-02-DA3	01/03/97	URANIUM-238	1.74	0.822	1.13	PCI/G	
SO-V96007-03-DA3	01/03/97	RADIUM-226	0.435	0.105	0.0913	PCI/G	
SO-V96007-03-DA3	01/03/97	RADIUM-228	0.472	0.122	0.147	PCI/G	
SO-V96007-03-DA3	01/03/97	URANIUM-238	1.37	0.684	0.906	PCI/G	
SO-V96008-01-DA3-RS	01/20/97	PERCENT MOISTURE	23.0		1.00	PRCNT	
SO-V96008-01-DA3-RS	01/20/97	RADIUM-226	0.577	0.0986	0.0528	PCI/G	
SO-V96008-01-DA3-RS	01/20/97	RADIUM-228	0.291	0.138	0.116	PCI/G	
SO-V96008-01-DA3-RS	01/20/97	URANIUM-238	11.1	2.66	1.16	PCI/G	
SO-V96008-02-DA3-RS	01/20/97	PERCENT MOISTURE	20.0		1.00	PRCNT	
SO-V96008-02-DA3-RS	01/20/97	RADIUM-226	1.00	0.162	0.0654	PCI/G	
SO-V96008-02-DA3-RS	01/20/97	RADIUM-228	0.499	0.148	0.113	PCI/G	
SO-V96008-02-DA3-RS	01/20/97	URANIUM-238	2.82	1.49	1.11	PCI/G	
SO-V96009-01-DA3-RS	01/03/97	RADIUM-226	0.324	0.0985	0.118	PCI/G	%RPD=12.6
SO-V96009-01-DA3-RS	01/03/97	RADIUM-228	(0.291)	0.206	0.293	PCI/G	%RPD=66.7
SO-V96009-01-DA3-RS	01/03/97	URANIUM-238	15.2	1.48	1.42	PCI/G	%RPD=2.66
SO-V96009-02-DA3-RS	01/03/97	RADIUM-226	0.483	0.0685	0.089	PCI/G	
SO-V96009-02-DA3-RS	01/03/97	RADIUM-228	(0.0496)	0.111	0.221	PCI/G	
SO-V96009-02-DA3-RS	01/03/97	URANIUM-238	(0.691)	1.01	1.00	PCI/G	
SO-V96010-01-DA3	01/03/97	RADIUM-226	0.332	0.0940	0.101	PCI/G	
SO-V96010-01-DA3	01/03/97	RADIUM-228	(0.0459)	0.116	0.230	PCI/G	

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SO-V96010-01-DA3	01/03/97	URANIUM-238	6.08	2.99	3.70	PCI/G	
SO-V96010-02-DA3	01/03/97	RADIUM-226	0.409	0.103	0.144	PCI/G	
SO-V96010-02-DA3	01/03/97	RADIUM-228	0.229	0.111	0.177	PCI/G	
SO-V96010-02-DA3	01/03/97	URANIUM-238	146	7.49	8.81	PCI/G	
SO-V96010-03-DA3	01/03/97	RADIUM-226	0.680	0.0794	0.111	PCI/G	
SO-V96010-03-DA3	01/03/97	RADIUM-228	0.292	0.116	0.183	PCI/G	
SO-V96010-03-DA3	01/03/97	URANIUM-238	12.2	1.56	1.50	PCI/G	
SO-V96010-04-DA3	01/03/97	RADIUM-226	0.471	0.0897	0.101	PCI/G	
SO-V96010-04-DA3	01/03/97	RADIUM-228	0.303	0.116	0.156	PCI/G	
SO-V96010-04-DA3	01/03/97	URANIUM-238	8.47	2.77	3.44	PCI/G	
SO-V96011-01-DA3-RS	01/20/97	PERCENT MOISTURE	22.0		1.00	PRCNT	
SO-V96011-01-DA3-RS	01/20/97	RADIUM-226	0.485	0.125	0.0967	PCI/G	
SO-V96011-01-DA3-RS	01/20/97	RADIUM-228	0.252	0.171	0.247	PCI/G	
SO-V96011-01-DA3-RS	01/20/97	URANIUM-238	62.5	12.5	2.58	PCI/G	
SO-V96011-02-DA3-RS	01/20/97	PERCENT MOISTURE	18.0		1.00	PRCNT	
SO-V96011-02-DA3-RS	01/20/97	RADIUM-226	0.497	0.110	0.0597	PCI/G	
SO-V96011-02-DA3-RS	01/20/97	RADIUM-228	0.316	0.108	0.174	PCI/G	
SO-V96011-02-DA3-RS	01/20/97	URANIUM-238	11.4	2.42	1.00	PCI/G	
SO-V96012-01-DA3	01/03/97	RADIUM-226	0.269	0.0723	0.0728	PCI/G	
SO-V96012-01-DA3	01/03/97	RADIUM-228	(0.128)	0.108	0.204	PCI/G	
SO-V96012-01-DA3	01/03/97	URANIUM-238	3.33	1.90	2.54	PCI/G	
SO-V96012-02-DA3	01/03/97	RADIUM-226	0.458	0.119	0.139	PCI/G	
SO-V96012-02-DA3	01/03/97	RADIUM-228	(0.205)	0.124	0.235	PCI/G	
SO-V96012-02-DA3	01/03/97	URANIUM-238	6.22	1.45	1.50	PCI/G	
SO-V96012-03-DA3	01/03/97	RADIUM-226	0.407	0.0761	0.0951	PCI/G	
SO-V96012-03-DA3	01/03/97	RADIUM-228	(0.0763)	0.135	0.252	PCI/G	
SO-V96012-03-DA3	01/03/97	URANIUM-238	7.86	1.18	1.17	PCI/G	
SO-V96012-04-DA3	01/03/97	RADIUM-226	0.458	0.0933	0.0997	PCI/G	
SO-V96012-04-DA3	01/03/97	RADIUM-228	(0.168)	0.179	0.269	PCI/G	
SO-V96012-04-DA3	01/03/97	URANIUM-238	8.59	2.66	3.36	PCI/G	
SO-V96013-01-DA3-RS	01/20/97	PERCENT MOISTURE	20.0		1.00	PRCNT	
SO-V96013-01-DA3-RS	01/20/97	RADIUM-226	0.343	0.123	0.0920	PCI/G	
SO-V96013-01-DA3-RS	01/20/97	RADIUM-228	0.309	0.108	0.222	PCI/G	
SO-V96013-01-DA3-RS	01/20/97	URANIUM-238	46.4	9.23	2.39	PCI/G	
SO-V96013-02-DA3-RS	01/20/97	PERCENT MOISTURE	14.0		1.00	PRCNT	
SO-V96013-02-DA3-RS	01/20/97	RADIUM-226	0.373	0.137	0.102	PCI/G	
SO-V96013-02-DA3-RS	01/20/97	RADIUM-228	(0.222)	0.160	0.236	PCI/G	
SO-V96013-02-DA3-RS	01/20/97	URANIUM-238	3.90	2.01	1.42	PCI/G	
SO-V96014-01-DA3-RS	04/03/97	RADIUM-226	1.60	0.696	0.886	PCI/G	
SO-V96014-01-DA3-RS	04/03/97	RADIUM-228	(1.17)	1.43	2.3	PCI/G	
SO-V96014-01-DA3-RS	04/03/97	URANIUM-238	222	61.0	9.68	PCI/G	
SO-V97015-01-DA3	03/21/97	RADIUM-226	(0.91)	0.379	1.27	PCI/G	
SO-V97015-01-DA3	03/21/97	RADIUM-228	(0.1)	0.3	0.617	PCI/G	
SO-V97015-01-DA3	03/21/97	URANIUM-238	13.0	3.72	2.67	PCI/G	
SO-V97015-02-DA3	03/21/97	RADIUM-226	(0.90)	0.392	1.33	PCI/G	
SO-V97015-02-DA3	03/21/97	RADIUM-228	(0.26)	1.12	2.0	PCI/G	
SO-V97015-02-DA3	03/21/97	URANIUM-238	12.0	3.51	2.67	PCI/G	
SO-V97016-01-DA3	03/26/97	RADIUM-226	1.35	0.09	0.26	PCI/G	
SO-V97016-01-DA3	03/26/97	RADIUM-228	1.14	0.12	0.29	PCI/G	
SO-V97016-01-DA3	03/26/97	URANIUM-238	ND		2.65	PCI/G	
SO-V97017-01-DA3	03/26/97	RADIUM-226	1.09	0.11	0.26	PCI/G	
SO-V97017-01-DA3	03/26/97	RADIUM-228	1.25	0.15	0.34	PCI/G	
SO-V97017-01-DA3	03/26/97	URANIUM-238	ND		3.75	PCI/G	

DA 5 Analytical Data

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96001-01-DA5	10/23/96	RADIUM-226	46.2	1.02	1.32	PCI/G	
SO-V96001-01-DA5	10/23/96	RADIUM-228	ND		2.34	PCI/G	
SO-V96001-01-DA5	10/23/96	THORIUM-230	1.10	0.14	0.045	PCI/G	
SO-V96001-01-DA5	10/23/96	URANIUM-238	ND		10.4	PCI/G	
SO-V96001-01-DA5-RS	01/02/97	RADIUM-226	21.8	0.58	0.80	PCI/G	
SO-V96001-01-DA5-RS	01/02/97	RADIUM-228	ND		1.86	PCI/G	
SO-V96001-01-DA5-RS	01/02/97	URANIUM-238	ND		8.01	PCI/G	
SO-V96001-02-DA5	10/23/96	RADIUM-226	6.38	0.21	0.40	PCI/G	
SO-V96001-02-DA5	10/23/96	RADIUM-228	ND		0.88	PCI/G	
SO-V96001-02-DA5	10/23/96	THORIUM-230	0.86	0.096	0.029	PCI/G	
SO-V96001-02-DA5	10/23/96	URANIUM-238	ND		3.69	PCI/G	
SO-V96001-02-DA5-RS	01/02/97	RADIUM-226	68.9	1.29	1.18	PCI/G	
SO-V96001-02-DA5-RS	01/02/97	RADIUM-228	1.75	0.30	1.26	PCI/G	
SO-V96001-02-DA5-RS	01/02/97	URANIUM-238	ND		9.20	PCI/G	
SO-V96002-01-DA5	10/19/96	RADIUM-226	98.4	1.91	1.75	PCI/G	
SO-V96002-01-DA5	10/19/96	RADIUM-228	ND		3.15	PCI/G	
SO-V96002-01-DA5	10/19/96	THORIUM-230	1.63	0.18	0.025	PCI/G	
SO-V96002-01-DA5	10/19/96	URANIUM-238	ND		15.0	PCI/G	
SO-V96002-01-DA5-RS	01/02/97	RADIUM-226	19.5	0.53	0.73	PCI/G	
SO-V96002-01-DA5-RS	01/02/97	RADIUM-228	ND		1.70	PCI/G	
SO-V96002-01-DA5-RS	01/02/97	URANIUM-238	(3.14)	1.37	4.23	PCI/G	
SO-V96002-02-DA5	10/19/96	RADIUM-226	39.1	0.90	1.21	PCI/G	
SO-V96002-02-DA5	10/19/96	RADIUM-228	1.72	0.40	1.58	PCI/G	
SO-V96002-02-DA5	10/19/96	THORIUM-230	2.25	0.22	0.03	PCI/G	
SO-V96002-02-DA5	10/19/96	URANIUM-238	15.1	2.90	7.99	PCI/G	
SO-V96002-02-DA5-RS	01/02/97	RADIUM-226	55.4	1.18	1.44	PCI/G	
SO-V96002-02-DA5-RS	01/02/97	RADIUM-228	ND		2.49	PCI/G	
SO-V96002-02-DA5-RS	01/02/97	URANIUM-238	ND		11.4	PCI/G	
SO-V96002-03-DA5-RS	01/02/97	RADIUM-226	17.2	0.43	0.58	PCI/G	
SO-V96002-03-DA5-RS	01/02/97	RADIUM-228	0.95	0.19	0.78	PCI/G	
SO-V96002-03-DA5-RS	01/02/97	URANIUM-238	ND		5.25	PCI/G	
SO-V96003-01-DA5	10/19/96	RADIUM-226	32.4	0.77	1.06	PCI/G	
SO-V96003-01-DA5	10/19/96	RADIUM-228	ND		2.04	PCI/G	
SO-V96003-01-DA5	10/19/96	THORIUM-230	0.96	0.1	0.034	PCI/G	
SO-V96003-01-DA5	10/19/96	URANIUM-238	ND		9.10	PCI/G	
SO-V96003-01-DA5-RS	01/02/97	RADIUM-226	1.59	0.14	0.45	PCI/G	
SO-V96003-01-DA5-RS	01/02/97	RADIUM-228	1.38	0.17	0.57	PCI/G	
SO-V96003-01-DA5-RS	01/02/97	URANIUM-238	(4.14)	1.44	4.25	PCI/G	
SO-V96003-02-DA5	10/19/96	RADIUM-226	31.1	0.67	0.84	PCI/G	
SO-V96003-02-DA5	10/19/96	RADIUM-228	(0.67)	0.24	1.07	PCI/G	
SO-V96003-02-DA5	10/19/96	THORIUM-230	0.87	0.087	0.023	PCI/G	
SO-V96003-02-DA5	10/19/96	URANIUM-238	ND		6.36	PCI/G	
SO-V96003-02-DA5-RS	01/02/97	RADIUM-226	9.86	0.29	0.37	PCI/G	
SO-V96003-02-DA5-RS	01/02/97	RADIUM-228	ND		1.03	PCI/G	
SO-V96003-02-DA5-RS	01/02/97	URANIUM-238	(3.07)	0.87	3.13	PCI/G	
SO-V96004-01-DA5-RS	01/02/97	RADIUM-226	26.8	0.60	0.76	PCI/G	
SO-V96004-01-DA5-RS	01/02/97	RADIUM-228	1.03	0.21	1.01	PCI/G	
SO-V96004-01-DA5-RS	01/02/97	THORIUM-230	0.91	0.12	0.038	PCI/G	
SO-V96004-01-DA5-RS	01/02/97	URANIUM-238	ND		6.52	PCI/G	
SO-V96004-02-DA5-RS	01/02/97	RADIUM-226	2.44	0.16	0.43	PCI/G	
SO-V96004-02-DA5-RS	01/02/97	RADIUM-228	1.19	0.19	0.82	PCI/G	
SO-V96004-02-DA5-RS	01/02/97	THORIUM-230	1.03	0.12	0.04	PCI/G	
SO-V96004-02-DA5-RS	01/02/97	URANIUM-238	ND		4.57	PCI/G	
SO-V96004-03-DA5-RS	01/02/97	RADIUM-226	1.65	0.14	0.42	PCI/G	
SO-V96004-03-DA5-RS	01/02/97	RADIUM-228	ND		1.44	PCI/G	
SO-V96004-03-DA5-RS	01/02/97	THORIUM-230	0.78	0.072	0.023	PCI/G	
SO-V96004-03-DA5-RS	01/02/97	URANIUM-238	ND		3.92	PCI/G	
SO-V96004-04-DA5-RS	01/02/97	RADIUM-226	1.69	0.11	0.33	PCI/G	
SO-V96004-04-DA5-RS	01/02/97	RADIUM-228	1.04	0.12	0.48	PCI/G	
SO-V96004-04-DA5-RS	01/02/97	THORIUM-230	0.94	0.11	0.026	PCI/G	
SO-V96004-04-DA5-RS	01/02/97	URANIUM-238	ND		3.07	PCI/G	

MDC 3 Analytical Data

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96001-01-MDC3	12/24/96	RADIUM-226	1.61	0.13	0.31	PCI/G	
SO-V96001-01-MDC3	12/24/96	RADIUM-228	1.34	0.16	0.53	PCI/G	
SO-V96001-01-MDC3	12/24/96	URANIUM-238	16.8	2.33	4.27	PCI/G	
SO-V96001-02-MDC3	12/24/96	RADIUM-226	1.51	0.11	0.34	PCI/G	
SO-V96001-02-MDC3	12/24/96	RADIUM-228	1.33	0.13	0.39	PCI/G	
SO-V96001-02-MDC3	12/24/96	URANIUM-238	(2.94)	0.86	3.32	PCI/G	
SO-V96002-01-MDC3	12/23/96	RADIUM-226	1.27	0.13	0.40	PCI/G	
SO-V96002-01-MDC3	12/23/96	RADIUM-228	0.92	0.17	0.61	PCI/G	
SO-V96002-01-MDC3	12/23/96	URANIUM-238	5.80	1.28	2.98	PCI/G	
SO-V96002-02-MDC3	12/23/96	RADIUM-226	1.25	0.12	0.32	PCI/G	
SO-V96002-02-MDC3	12/23/96	RADIUM-228	1.51	0.17	0.57	PCI/G	
SO-V96002-02-MDC3	12/23/96	URANIUM-238	ND		3.94	PCI/G	
SO-V96002-03-MDC3	12/23/96	RADIUM-226	1.27	0.12	0.40	PCI/G	
SO-V96002-03-MDC3	12/23/96	RADIUM-228	1.12	0.17	0.44	PCI/G	
SO-V96002-03-MDC3	12/23/96	URANIUM-238	ND		3.83	PCI/G	
SO-V96003-01-MDC3	12/24/96	RADIUM-226	1.50	0.14	0.43	PCI/G	
SO-V96003-01-MDC3	12/24/96	RADIUM-228	1.07	0.17	0.79	PCI/G	
SO-V96003-01-MDC3	12/24/96	URANIUM-238	ND		4.71	PCI/G	
SO-V96003-02-MDC3	12/24/96	RADIUM-226	1.46	0.10	0.29	PCI/G	
SO-V96003-02-MDC3	12/24/96	RADIUM-228	1.36	0.13	0.43	PCI/G	
SO-V96003-02-MDC3	12/24/96	URANIUM-238	ND		3.27	PCI/G	
SO-V96003-03-MDC3	12/24/96	RADIUM-226	1.36	0.12	0.35	PCI/G	
SO-V96003-03-MDC3	12/24/96	RADIUM-228	1.90	0.21	0.44	PCI/G	
SO-V96003-03-MDC3	12/24/96	URANIUM-238	ND		4.19	PCI/G	
SO-V96004-01-MDC3	12/24/96	RADIUM-226	1.45	0.11	0.38	PCI/G	
SO-V96004-01-MDC3	12/24/96	RADIUM-228	ND		1.08	PCI/G	
SO-V96004-01-MDC3	12/24/96	URANIUM-238	165	11.7	6.97	PCI/G	
SO-V96004-02-MDC3	12/24/96	RADIUM-226	1.45	0.13	0.29	PCI/G	
SO-V96004-02-MDC3	12/24/96	RADIUM-228	ND		1.25	PCI/G	
SO-V96004-02-MDC3	12/24/96	URANIUM-238	8.88	1.70	4.37	PCI/G	
SO-V96004-03-MDC3	12/24/96	RADIUM-226	1.21	0.09	0.31	PCI/G	
SO-V96004-03-MDC3	12/24/96	RADIUM-228	1.09	0.13	0.46	PCI/G	
SO-V96004-03-MDC3	12/24/96	URANIUM-238	ND		2.82	PCI/G	
SO-V96004-04-MDC3	12/24/96	RADIUM-226	0.94	0.10	0.33	PCI/G	
SO-V96004-04-MDC3	12/24/96	RADIUM-228	1.16	0.18	0.45	PCI/G	
SO-V96004-04-MDC3	12/24/96	URANIUM-238	ND		3.79	PCI/G	
SO-V96005-01-MDC3	12/24/96	RADIUM-226	1.38	0.10	0.32	PCI/G	
SO-V96005-01-MDC3	12/24/96	RADIUM-228	1.36	0.13	0.40	PCI/G	
SO-V96005-01-MDC3	12/24/96	URANIUM-238	ND		3.44	PCI/G	
SO-V96005-02-MDC3	12/24/96	RADIUM-226	1.43	0.13	0.39	PCI/G	
SO-V96005-02-MDC3	12/24/96	RADIUM-228	1.31	0.18	0.54	PCI/G	
SO-V96005-02-MDC3	12/24/96	URANIUM-238	ND		4.01	PCI/G	
SO-V96005-03-MDC3	12/24/96	RADIUM-226	0.96	0.09	0.31	PCI/G	
SO-V96005-03-MDC3	12/24/96	RADIUM-228	1.54	0.16	0.50	PCI/G	
SO-V96005-03-MDC3	12/24/96	URANIUM-238	ND		2.96	PCI/G	
SO-V96006-04-MDC3	12/23/96	RADIUM-226	1.24	0.09	0.25	PCI/G	
SO-V96006-04-MDC3	12/23/96	RADIUM-228	0.99	0.12	0.38	PCI/G	
SO-V96006-04-MDC3	12/23/96	URANIUM-238	ND		3.16	PCI/G	
SO-V96006-E-01-MDC3	12/24/96	RADIUM-226	1.31	0.12	0.28	PCI/G	
SO-V96006-E-01-MDC3	12/24/96	RADIUM-228	1.34	0.20	0.59	PCI/G	
SO-V96006-E-01-MDC3	12/24/96	URANIUM-238	ND		4.98	PCI/G	
SO-V96006-W-01-MDC3	12/24/96	RADIUM-226	1.50	0.11	0.30	PCI/G	
SO-V96006-W-01-MDC3	12/24/96	RADIUM-228	1.31	0.13	0.39	PCI/G	
SO-V96006-W-01-MDC3	12/24/96	URANIUM-238	3.42	0.73	2.44	PCI/G	
SO-V96007-01-MDC3	12/24/96	RADIUM-226	1.45	0.13	0.35	PCI/G	
SO-V96007-01-MDC3	12/24/96	RADIUM-228	ND		1.25	PCI/G	
SO-V96007-01-MDC3	12/24/96	URANIUM-238	24.2	3.09	5.65	PCI/G	
SO-V96007-02-MDC3	12/24/96	RADIUM-226	1.52	0.11	0.36	PCI/G	
SO-V96007-02-MDC3	12/24/96	RADIUM-228	1.36	0.14	0.35	PCI/G	
SO-V96007-02-MDC3	12/24/96	URANIUM-238	ND		3.56	PCI/G	
SO-V96007-03-MDC3	12/24/96	RADIUM-226	1.34	0.12	0.35	PCI/G	
SO-V96007-03-MDC3	12/24/96	RADIUM-228	1.45	0.21	0.28	PCI/G	
SO-V96007-03-MDC3	12/24/96	URANIUM-238	ND		4.08	PCI/G	
SO-V96008-02-MDC3	12/24/96	RADIUM-226	1.43	0.10	0.26	PCI/G	
SO-V96008-02-MDC3	12/24/96	RADIUM-228	1.54	0.14	0.34	PCI/G	
SO-V96008-02-MDC3	12/24/96	URANIUM-238	(3.43)	0.97	3.59	PCI/G	

MDC 3 Analytical Data

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96008-03-MDC3	12/24/96	RADIUM-226	1.34	0.10	0.32	PCI/G	
SO-V96008-03-MDC3	12/24/96	RADIUM-228	1.48	0.13	0.44	PCI/G	
SO-V96008-03-MDC3	12/24/96	URANIUM-238	ND		3.18	PCI/G	

MDC 4 Analytical Data

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96001-01-MDC4	12/31/96	RADIUM-226	1.56	0.13	0.27	PCI/G	
SO-V96001-01-MDC4	12/31/96	RADIUM-228	ND		0.90	PCI/G	
SO-V96001-01-MDC4	12/31/96	URANIUM-238	ND		3.79	PCI/G	
SO-V96001-02-MDC4	12/31/96	RADIUM-226	1.45	0.10	0.32	PCI/G	
SO-V96001-02-MDC4	12/31/96	RADIUM-228	1.24	0.14	0.47	PCI/G	
SO-V96001-02-MDC4	12/31/96	URANIUM-238	ND		3.27	PCI/G	
SO-V96001-03-MDC4	12/31/96	RADIUM-226	1.51	0.13	0.38	PCI/G	
SO-V96001-03-MDC4	12/31/96	RADIUM-228	1.43	0.18	0.57	PCI/G	
SO-V96001-03-MDC4	12/31/96	URANIUM-238	ND		4.12	PCI/G	
SO-V96002-01-MDC4	12/31/96	RADIUM-226	1.72	0.11	0.33	PCI/G	
SO-V96002-01-MDC4	12/31/96	RADIUM-228	1.51	0.14	0.38	PCI/G	
SO-V96002-01-MDC4	12/31/96	URANIUM-238	ND		3.19	PCI/G	
SO-V96002-02-MDC4	12/31/96	RADIUM-226	1.48	0.10	0.33	PCI/G	
SO-V96002-02-MDC4	12/31/96	RADIUM-228	1.29	0.13	0.35	PCI/G	
SO-V96002-02-MDC4	12/31/96	URANIUM-238	ND		3.33	PCI/G	
SO-V96002-03-MDC4	12/31/96	RADIUM-226	1.67	0.14	0.41	PCI/G	
SO-V96002-03-MDC4	12/31/96	RADIUM-228	1.33	0.18	0.68	PCI/G	
SO-V96002-03-MDC4	12/31/96	URANIUM-238	(2.08)	0.93	2.84	PCI/G	
SO-V96003-01-MDC4	12/31/96	RADIUM-226	1.70	0.10	0.32	PCI/G	
SO-V96003-01-MDC4	12/31/96	RADIUM-228	1.28	0.13	0.43	PCI/G	
SO-V96003-01-MDC4	12/31/96	URANIUM-238	ND		3.41	PCI/G	
SO-V96003-02-MDC4	12/31/96	RADIUM-226	1.50	0.13	0.42	PCI/G	
SO-V96003-02-MDC4	12/31/96	RADIUM-228	1.07	0.19	0.56	PCI/G	
SO-V96003-02-MDC4	12/31/96	URANIUM-238	ND		4.29	PCI/G	
SO-V96003-03-MDC4	12/31/96	RADIUM-226	1.75	0.10	0.24	PCI/G	
SO-V96003-03-MDC4	12/31/96	RADIUM-228	1.56	0.15	0.46	PCI/G	
SO-V96003-03-MDC4	12/31/96	URANIUM-238	ND		3.36	PCI/G	
SO-V96004-01-MDC4	12/31/96	RADIUM-226	1.93	0.15	0.48	PCI/G	
SO-V96004-01-MDC4	12/31/96	RADIUM-228	0.96	0.18	0.54	PCI/G	
SO-V96004-01-MDC4	12/31/96	URANIUM-238	ND		3.95	PCI/G	
SO-V96004-02-MDC4	12/31/96	RADIUM-226	1.58	0.14	0.42	PCI/G	
SO-V96004-02-MDC4	12/31/96	RADIUM-228	1.05	0.16	0.70	PCI/G	
SO-V96004-02-MDC4	12/31/96	URANIUM-238	ND		4.01	PCI/G	
SO-V96004-03-MDC4	12/31/96	RADIUM-226	1.54	0.10	0.28	PCI/G	
SO-V96004-03-MDC4	12/31/96	RADIUM-228	1.22	0.13	0.44	PCI/G	
SO-V96004-03-MDC4	12/31/96	URANIUM-238	ND		3.29	PCI/G	
SO-V96005-01-MDC4	12/31/96	RADIUM-226	1.51	0.14	0.40	PCI/G	
SO-V96005-01-MDC4	12/31/96	RADIUM-228	1.13	0.16	0.45	PCI/G	
SO-V96005-01-MDC4	12/31/96	URANIUM-238	ND		3.95	PCI/G	
SO-V96005-02-MDC4	12/31/96	RADIUM-226	1.49	0.10	0.30	PCI/G	
SO-V96005-02-MDC4	12/31/96	RADIUM-228	1.46	0.15	0.50	PCI/G	
SO-V96005-02-MDC4	12/31/96	URANIUM-238	ND		3.36	PCI/G	
SO-V96005-03-MDC4	12/31/96	RADIUM-226	1.58	0.14	0.40	PCI/G	
SO-V96005-03-MDC4	12/31/96	RADIUM-228	ND		1.35	PCI/G	
SO-V96005-03-MDC4	12/31/96	URANIUM-238	ND		4.18	PCI/G	
SO-V96006-01-MDC4	12/30/96	RADIUM-226	1.48	0.11	0.36	PCI/G	
SO-V96006-01-MDC4	12/30/96	RADIUM-228	ND		0.93	PCI/G	
SO-V96006-01-MDC4	12/30/96	URANIUM-238	ND		3.12	PCI/G	
SO-V96006-02-MDC4	12/30/96	RADIUM-226	1.60	0.11	0.32	PCI/G	
SO-V96006-02-MDC4	12/30/96	RADIUM-228	1.24	0.16	0.45	PCI/G	
SO-V96006-02-MDC4	12/30/96	URANIUM-238	ND		3.42	PCI/G	
SO-V96006-03-MDC4	12/30/96	RADIUM-226	1.52	0.11	0.34	PCI/G	
SO-V96006-03-MDC4	12/30/96	RADIUM-228	ND		0.90	PCI/G	
SO-V96006-03-MDC4	12/30/96	URANIUM-238	ND		3.16	PCI/G	
SO-V96007-01-MDC4	12/30/96	RADIUM-226	1.13	0.12	0.43	PCI/G	
SO-V96007-01-MDC4	12/30/96	RADIUM-228	ND		0.97	PCI/G	
SO-V96007-01-MDC4	12/30/96	URANIUM-238	ND		3.88	PCI/G	
SO-V96007-02-MDC4	12/30/96	RADIUM-226	1.49	0.11	0.33	PCI/G	
SO-V96007-02-MDC4	12/30/96	RADIUM-228	1.29	0.13	0.46	PCI/G	
SO-V96007-02-MDC4	12/30/96	URANIUM-238	ND		3.22	PCI/G	
SO-V96007-03-MDC4	12/30/96	RADIUM-226	1.33	0.13	0.47	PCI/G	
SO-V96007-03-MDC4	12/30/96	RADIUM-228	ND		1.27	PCI/G	
SO-V96007-03-MDC4	12/30/96	URANIUM-238	ND		4.04	PCI/G	
SO-V96008-01-MDC4	12/31/96	RADIUM-226	1.59	0.10	0.32	PCI/G	
SO-V96008-01-MDC4	12/31/96	RADIUM-228	1.59	0.14	0.42	PCI/G	
SO-V96008-01-MDC4	12/31/96	URANIUM-238	ND		3.25	PCI/G	

MDC 4 Analytical Data

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96008-02-MDC4	12/31/96	RADIUM-226	1.90	0.14	0.28	PCI/G	
SO-V96008-02-MDC4	12/31/96	RADIUM-228	1.70	0.20	0.50	PCI/G	
SO-V96008-02-MDC4	12/31/96	URANIUM-238	ND		4.05	PCI/G	
SO-V96008-03-MDC4	12/31/96	RADIUM-226	1.53	0.10	0.29	PCI/G	
SO-V96008-03-MDC4	12/31/96	RADIUM-228	1.44	0.14	0.52	PCI/G	
SO-V96008-03-MDC4	12/31/96	URANIUM-238	ND		3.22	PCI/G	
SO-V96009-01-MDC4	12/30/96	RADIUM-226	1.48	0.13	0.38	PCI/G	
SO-V96009-01-MDC4	12/30/96	RADIUM-228	1.30	0.19	0.62	PCI/G	
SO-V96009-01-MDC4	12/30/96	URANIUM-238	ND		4.03	PCI/G	
SO-V96009-02-MDC4	12/30/96	RADIUM-226	1.54	0.11	0.30	PCI/G	
SO-V96009-02-MDC4	12/30/96	RADIUM-228	1.13	0.13	0.41	PCI/G	
SO-V96009-02-MDC4	12/30/96	URANIUM-238	ND		3.08	PCI/G	
SO-V96009-03-MDC4	12/30/96	RADIUM-226	1.55	0.14	0.47	PCI/G	
SO-V96009-03-MDC4	12/30/96	RADIUM-228	1.21	0.18	0.61	PCI/G	
SO-V96009-03-MDC4	12/30/96	URANIUM-238	ND		4.05	PCI/G	
SO-V96010-01-MDC4	12/30/96	RADIUM-226	1.74	0.11	0.35	PCI/G	
SO-V96010-01-MDC4	12/30/96	RADIUM-228	1.09	0.13	0.47	PCI/G	
SO-V96010-01-MDC4	12/30/96	URANIUM-238	ND		3.24	PCI/G	
SO-V96010-02-MDC4	12/30/96	RADIUM-226	1.40	0.13	0.37	PCI/G	
SO-V96010-02-MDC4	12/30/96	RADIUM-228	1.56	0.24	0.70	PCI/G	
SO-V96010-02-MDC4	12/30/96	URANIUM-238	ND		4.15	PCI/G	
SO-V96010-03-MDC4	12/30/96	RADIUM-226	1.74	0.11	0.29	PCI/G	
SO-V96010-03-MDC4	12/30/96	RADIUM-228	1.32	0.13	0.46	PCI/G	
SO-V96010-03-MDC4	12/30/96	URANIUM-238	ND		3.23	PCI/G	
SO-V96010-04-MDC4	12/30/96	RADIUM-226	1.44	0.13	0.40	PCI/G	
SO-V96010-04-MDC4	12/30/96	RADIUM-228	1.39	0.17	0.53	PCI/G	
SO-V96010-04-MDC4	12/30/96	URANIUM-238	(2.07)	0.98	3.04	PCI/G	
SO-V96011-01-MDC4	12/30/96	RADIUM-226	23.4	0.48	0.55	PCI/G	
SO-V96011-01-MDC4	12/30/96	RADIUM-228	0.97	0.14	0.64	PCI/G	
SO-V96011-01-MDC4	12/30/96	URANIUM-238	13.3	1.73	3.27	PCI/G	
SO-V96011-02-MDC4	12/30/96	RADIUM-226	6.21	0.26	0.58	PCI/G	
SO-V96011-02-MDC4	12/30/96	RADIUM-228	1.17	0.17	0.63	PCI/G	
SO-V96011-02-MDC4	12/30/96	URANIUM-238	6.98	1.59	3.94	PCI/G	
SO-V96011-03-MDC4	12/30/96	RADIUM-226	1.68	0.10	0.24	PCI/G	
SO-V96011-03-MDC4	12/30/96	RADIUM-228	1.17	0.13	0.43	PCI/G	
SO-V96011-03-MDC4	12/30/96	URANIUM-238	ND		3.26	PCI/G	
SO-V96012-01-MDC4	12/31/96	RADIUM-226	4.22	0.21	0.48	PCI/G	
SO-V96012-01-MDC4	12/31/96	RADIUM-228	1.16	0.19	0.75	PCI/G	
SO-V96012-01-MDC4	12/31/96	URANIUM-238	ND		4.82	PCI/G	
SO-V96012-02-MDC4	12/31/96	RADIUM-226	1.87	0.11	0.28	PCI/G	
SO-V96012-02-MDC4	12/31/96	RADIUM-228	1.32	0.13	0.37	PCI/G	
SO-V96012-02-MDC4	12/31/96	URANIUM-238	ND		3.32	PCI/G	
SO-V96012-03-MDC4	12/31/96	RADIUM-226	1.46	0.13	0.40	PCI/G	
SO-V96012-03-MDC4	12/31/96	RADIUM-228	1.76	0.23	0.80	PCI/G	
SO-V96012-03-MDC4	12/31/96	URANIUM-238	ND		4.08	PCI/G	
SO-V96012-04-MDC4	12/31/96	RADIUM-226	1.29	0.10	0.32	PCI/G	
SO-V96012-04-MDC4	12/31/96	RADIUM-228	1.56	0.14	0.40	PCI/G	
SO-V96012-04-MDC4	12/31/96	URANIUM-238	ND		3.13	PCI/G	
SO-V97013-01-MDC4	03/27/97	RADIUM-226	1.36	0.10	0.29	PCI/G	
SO-V97013-01-MDC4	03/27/97	RADIUM-228	1.36	0.13	0.41	PCI/G	
SO-V97013-01-MDC4	03/27/97	URANIUM-238	ND		2.86	PCI/G	

MDC 5 Analytical Data

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96001-01-MDC5	12/23/96	RADIUM-226	1.09	0.11	0.38	PCI/G	
SO-V96001-01-MDC5	12/23/96	RADIUM-228	1.17	0.20	0.55	PCI/G	
SO-V96001-01-MDC5	12/23/96	THORIUM-230	1.10	0.17	0.72	PCI/G	
SO-V96001-01-MDC5	12/23/96	URANIUM-238	ND		3.86	PCI/G	
SO-V96001-02-MDC5	12/23/96	RADIUM-226	1.33	0.10	0.27	PCI/G	
SO-V96001-02-MDC5	12/23/96	RADIUM-228	1.03	0.12	0.38	PCI/G	
SO-V96001-02-MDC5	12/23/96	THORIUM-230	1.11	0.12	0.72	PCI/G	
SO-V96001-02-MDC5	12/23/96	URANIUM-238	ND		2.96	PCI/G	
SO-V96001-03-MDC5	12/23/96	RADIUM-226	1.51	0.10	0.30	PCI/G	
SO-V96001-03-MDC5	12/23/96	RADIUM-228	0.95	0.12	0.48	PCI/G	
SO-V96001-03-MDC5	12/23/96	THORIUM-230	1.14	0.12	0.72	PCI/G	
SO-V96001-03-MDC5	12/23/96	URANIUM-238	ND		3.16	PCI/G	
SO-V96002-01-MDC5	12/23/96	RADIUM-226	1.30	0.09	0.28	PCI/G	
SO-V96002-01-MDC5	12/23/96	RADIUM-228	1.31	0.14	0.46	PCI/G	
SO-V96002-01-MDC5	12/23/96	THORIUM-230	1.38	0.17	0.72	PCI/G	
SO-V96002-01-MDC5	12/23/96	URANIUM-238	ND		3.08	PCI/G	
SO-V96002-02-MDC5	12/23/96	RADIUM-226	1.66	0.11	0.35	PCI/G	
SO-V96002-02-MDC5	12/23/96	RADIUM-228	1.23	0.13	0.50	PCI/G	
SO-V96002-02-MDC5	12/23/96	THORIUM-230	1.07	0.17	0.72	PCI/G	
SO-V96002-02-MDC5	12/23/96	URANIUM-238	ND		3.32	PCI/G	
SO-V96002-03-MDC5	12/23/96	RADIUM-226	1.57	0.13	0.32	PCI/G	
SO-V96002-03-MDC5	12/23/96	RADIUM-228	ND		1.35	PCI/G	
SO-V96002-03-MDC5	12/23/96	THORIUM-230	1.08	0.12	0.72	PCI/G	
SO-V96002-03-MDC5	12/23/96	URANIUM-238	ND		4.07	PCI/G	
SO-V97001-01-MDC5	03/24/97	THORIUM-230	1.07	0.14	0.72	PCI/G	
SO-V97002-01-MDC5	03/24/97	THORIUM-230	0.99	0.14	0.72	PCI/G	
SO-V97003-01-MDC5	03/24/97	THORIUM-230	0.96	0.14	0.72	PCI/G	
SO-V97004-01-MDC5	03/24/97	THORIUM-230	1.12	0.13	0.72	PCI/G	
SO-V97005-01-MDC5	03/24/97	THORIUM-230	1.00	0.14	0.72	PCI/G	
SO-V97006-01-MDC5	03/24/97	THORIUM-230	1.10	0.16	0.72	PCI/G	
SO-V97007-01-MDC5	03/24/97	THORIUM-230	1.47	0.19	0.72	PCI/G	
SO-V97008-01-MDC5	03/24/97	THORIUM-230	1.12	0.15	0.72	PCI/G	
SO-V97009-01-MDC5	03/24/97	THORIUM-230	0.96	0.14	0.72	PCI/G	
SO-V97010-01-MDC5	03/24/97	THORIUM-230	1.17	0.15	0.72	PCI/G	
SO-V97011-01-MDC5	03/24/97	THORIUM-230	1.02	0.12	0.72	PCI/G	
SO-V97012-01-MDC5	03/24/97	THORIUM-230	1.19	0.15	0.72	PCI/G	
SO-V97013-01-MDC5	03/24/97	THORIUM-230	2.77	0.26	0.72	PCI/G	
SO-V97014-01-MDC5	03/24/97	THORIUM-230	1.53	0.16	0.72	PCI/G	
SO-V97015-01-MDC5	03/24/97	THORIUM-230	1.85	0.20	0.72	PCI/G	
SO-V97016-01-MDC5	03/24/97	THORIUM-230	1.25	0.14	0.72	PCI/G	
SO-V97017-01-MDC5	03/24/97	THORIUM-230	1.29	0.15	0.72	PCI/G	
SO-V97018-01-MDC5	03/24/97	THORIUM-230	1.25	0.15	0.72	PCI/G	
SO-V97019-01-MDC5	03/24/97	THORIUM-230	1.15	0.13	0.72	PCI/G	
SO-V97020-01-MDC5	03/24/97	THORIUM-230	1.04	0.12	0.72	PCI/G	
SO-V97021-01-MDC5	04/16/97	RADIUM-226	4.38	0.21	0.55	PCI/G	
SO-V97021-01-MDC5	04/16/97	RADIUM-228	0.93	0.18	0.59	PCI/G	
SO-V97021-01-MDC5	04/16/97	THORIUM-230	85.1	4.67	0.72	PCI/G	*T*
SO-V97021-01-MDC5	04/16/97	URANIUM-238	ND		5.23	PCI/G	
SO-V97022-01-MDC5	04/16/97	RADIUM-226	1.40	0.09	0.29	PCI/G	
SO-V97022-01-MDC5	04/16/97	RADIUM-228	1.20	0.13	0.39	PCI/G	
SO-V97022-01-MDC5	04/16/97	THORIUM-230	2.59	0.47	0.72	PCI/G	*T*
SO-V97022-01-MDC5	04/16/97	URANIUM-238	ND		2.60	PCI/G	
SO-V97023-01-MDC5	04/16/97	RADIUM-226	5.24	0.23	0.60	PCI/G	
SO-V97023-01-MDC5	04/16/97	RADIUM-228	ND		1.38	PCI/G	
SO-V97023-01-MDC5	04/16/97	THORIUM-230	77.7	2.96	0.72	PCI/G	*T*
SO-V97023-01-MDC5	04/16/97	URANIUM-238	ND		4.79	PCI/G	
SO-V97024-01-MDC5	04/16/97	RADIUM-226	1.33	0.12	0.31	PCI/G	
SO-V97024-01-MDC5	04/16/97	RADIUM-228	0.90	0.16	0.56	PCI/G	
SO-V97024-01-MDC5	04/16/97	THORIUM-230	2.36	0.46	0.72	PCI/G	*T*
SO-V97024-01-MDC5	04/16/97	URANIUM-238	ND		3.89	PCI/G	
SO-V97025-01-MDC5	04/16/97	RADIUM-226	1.78	0.11	0.26	PCI/G	
SO-V97025-01-MDC5	04/16/97	RADIUM-228	1.04	0.12	0.37	PCI/G	
SO-V97025-01-MDC5	04/16/97	THORIUM-230	6.63	0.87	0.72	PCI/G	*T*
SO-V97025-01-MDC5	04/16/97	URANIUM-238	ND		2.83	PCI/G	
SO-V97026-01-MDC5	04/16/97	RADIUM-226	1.65	0.13	0.26	PCI/G	
SO-V97026-01-MDC5	04/16/97	RADIUM-228	1.24	0.19	0.49	PCI/G	

T original concentration was estimated incorrectly and was changed during data validation

MDC 5 Analytical Data

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V97026-01-MDC5	04/16/97	THORIUM-230	3.94	0.63	0.72	PCI/G	*T*
SO-V97026-01-MDC5	04/16/97	URANIUM-238	(2.03)	0.86	2.61	PCI/G	
SO-V97027-01-MDC5	04/25/97	RADIUM-226	2.51	0.12	0.31	PCI/G	
SO-V97027-01-MDC5	04/25/97	RADIUM-228	1.54	0.14	0.40	PCI/G	
SO-V97027-01-MDC5	04/25/97	THORIUM-230	3.32	0.35	0.72	PCI/G	
SO-V97027-01-MDC5	04/25/97	URANIUM-238	ND		2.89	PCI/G	
SO-V97028-01-MDC5	04/25/97	RADIUM-226	1.35	0.11	0.31	PCI/G	
SO-V97028-01-MDC5	04/25/97	RADIUM-228	ND		0.85	PCI/G	
SO-V97028-01-MDC5	04/25/97	THORIUM-230	7.97	2.07	0.72	PCI/G	
SO-V97028-01-MDC5	04/25/97	URANIUM-238	ND		3.39	PCI/G	
SO-V97029-01-MDC5	04/25/97	RADIUM-226	1.11	0.09	0.27	PCI/G	
SO-V97029-01-MDC5	04/25/97	RADIUM-228	0.76	0.10	0.30	PCI/G	
SO-V97029-01-MDC5	04/25/97	THORIUM-230	4.29	0.95	0.72	PCI/G	
SO-V97029-01-MDC5	04/25/97	URANIUM-238	ND		2.31	PCI/G	
SO-V97030-01-MDC5	04/25/97	RADIUM-226	1.92	0.14	0.45	PCI/G	
SO-V97030-01-MDC5	04/25/97	RADIUM-228	0.87	0.17	0.57	PCI/G	
SO-V97030-01-MDC5	04/25/97	THORIUM-230	14.4	0.72	0.72	PCI/G	
SO-V97030-01-MDC5	04/25/97	URANIUM-238	ND		3.90	PCI/G	
SO-V97031-01-MDC5	04/25/97	RADIUM-226	1.50	0.10	0.26	PCI/G	
SO-V97031-01-MDC5	04/25/97	RADIUM-228	0.96	0.12	0.37	PCI/G	
SO-V97031-01-MDC5	04/25/97	THORIUM-230	2.81	0.25	0.72	PCI/G	
SO-V97031-01-MDC5	04/25/97	URANIUM-238	ND		2.74	PCI/G	
SO-V97032-01-MDC5	05/09/97	RADIUM-226	1.63	0.13	0.39	PCI/G	
SO-V97032-01-MDC5	05/09/97	RADIUM-228	ND		1.07	PCI/G	
SO-V97032-01-MDC5	05/09/97	THORIUM-230	1.13	0.15	0.72	PCI/G	
SO-V97032-01-MDC5	05/09/97	URANIUM-238	ND		3.81	PCI/G	
SO-V97033-01-MDC5	05/09/97	RADIUM-226	2.26	0.12	0.32	PCI/G	
SO-V97033-01-MDC5	05/09/97	RADIUM-228	0.94	0.12	0.36	PCI/G	
SO-V97033-01-MDC5	05/09/97	THORIUM-230	16.2	0.87	0.72	PCI/G	
SO-V97033-01-MDC5	05/09/97	URANIUM-238	ND		2.83	PCI/G	
SO-V97034-01-MDC5	05/09/97	RADIUM-226	0.99	0.08	0.27	PCI/G	
SO-V97034-01-MDC5	05/09/97	RADIUM-228	ND		0.65	PCI/G	
SO-V97034-01-MDC5	05/09/97	THORIUM-230	5.18	0.73	0.72	PCI/G	
SO-V97034-01-MDC5	05/09/97	URANIUM-238	ND		2.31	PCI/G	
SO-V97035-01-MDC5	05/09/97	RADIUM-226	1.59	0.13	0.44	PCI/G	
SO-V97035-01-MDC5	05/09/97	RADIUM-228	1.06	0.16	0.24	PCI/G	
SO-V97035-01-MDC5	05/09/97	THORIUM-230	1.07	0.36	0.72	PCI/G	
SO-V97035-01-MDC5	05/09/97	URANIUM-238	ND		3.72	PCI/G	
SO-V97036-01-MDC5	05/09/97	RADIUM-226	0.83	0.08	0.24	PCI/G	
SO-V97036-01-MDC5	05/09/97	RADIUM-228	0.59	0.09	0.31	PCI/G	
SO-V97036-01-MDC5	05/09/97	THORIUM-230	2.24	0.72	0.72	PCI/G	
SO-V97036-01-MDC5	05/09/97	URANIUM-238	ND		2.37	PCI/G	
SO-V97037-01-MDC5	05/09/97	RADIUM-226	0.91	0.10	0.37	PCI/G	
SO-V97037-01-MDC5	05/09/97	RADIUM-228	ND		0.71	PCI/G	
SO-V97037-01-MDC5	05/09/97	THORIUM-230	1.37	0.98	0.72	PCI/G	
SO-V97037-01-MDC5	05/09/97	URANIUM-238	ND		3.37	PCI/G	
SO-V97038-01-MDC5	05/09/97	RADIUM-226	0.81	0.07	0.19	PCI/G	
SO-V97038-01-MDC5	05/09/97	RADIUM-228	ND		0.69	PCI/G	
SO-V97038-01-MDC5	05/09/97	THORIUM-230	2.30	1.32	0.72	PCI/G	
SO-V97038-01-MDC5	05/09/97	URANIUM-238	ND		2.33	PCI/G	
SO-V97039-01-MDC5	05/09/97	RADIUM-226	1.20	0.11	0.20	PCI/G	
SO-V97039-01-MDC5	05/09/97	RADIUM-228	ND		1.04	PCI/G	
SO-V97039-01-MDC5	05/09/97	THORIUM-230	6.13	1.75	0.72	PCI/G	
SO-V97039-01-MDC5	05/09/97	URANIUM-238	ND		3.43	PCI/G	
SO-V97040-01-MDC5	05/09/97	RADIUM-226	2.08	0.11	0.25	PCI/G	
SO-V97040-01-MDC5	05/09/97	RADIUM-228	1.19	0.13	0.33	PCI/G	
SO-V97040-01-MDC5	05/09/97	THORIUM-230	14.8	1.30	0.72	PCI/G	
SO-V97040-01-MDC5	05/09/97	URANIUM-238	ND		2.69	PCI/G	
SO-V97041-01-MDC5	05/14/97	RADIUM-226	1.27	0.12	0.42	PCI/G	
SO-V97041-01-MDC5	05/14/97	RADIUM-228	ND		1.06	PCI/G	
SO-V97041-01-MDC5	05/14/97	THORIUM-230	2.28	0.35	0.72	PCI/G	
SO-V97041-01-MDC5	05/14/97	URANIUM-238	ND		3.63	PCI/G	
SO-V97042-01-MDC5	05/14/97	RADIUM-226	1.83	0.11	0.26	PCI/G	
SO-V97042-01-MDC5	05/14/97	RADIUM-228	ND		0.76	PCI/G	
SO-V97042-01-MDC5	05/14/97	THORIUM-230	7.57	0.55	0.72	PCI/G	
SO-V97042-01-MDC5	05/14/97	URANIUM-238	ND		2.44	PCI/G	

T original concentration was estimated incorrectly and was changed during data validation

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V97043-01-MDC5	05/14/97	RADIUM-226	1.63	0.13	0.28	PCI/G	
SO-V97043-01-MDC5	05/14/97	RADIUM-228	ND		0.93	PCI/G	
SO-V97043-01-MDC5	05/14/97	THORIUM-230	15.9	1.05	0.72	PCI/G	
SO-V97043-01-MDC5	05/14/97	URANIUM-238	ND		3.51	PCI/G	
SO-V97044-01-MDC5	05/14/97	RADIUM-226	1.60	0.11	0.32	PCI/G	
SO-V97044-01-MDC5	05/14/97	RADIUM-228	0.65	0.10	0.26	PCI/G	
SO-V97044-01-MDC5	05/14/97	THORIUM-230	14.0	0.83	0.72	PCI/G	
SO-V97044-01-MDC5	05/14/97	URANIUM-238	ND		2.40	PCI/G	
SO-V97045-01-MDC5	05/14/97	RADIUM-226	0.89	0.11	0.19	PCI/G	
SO-V97045-01-MDC5	05/14/97	RADIUM-228	ND		0.82	PCI/G	
SO-V97045-01-MDC5	05/14/97	THORIUM-230	2.31	0.48	0.72	PCI/G	
SO-V97045-01-MDC5	05/14/97	URANIUM-238	ND		3.18	PCI/G	
SO-V97046-01-MDC5	05/14/97	RADIUM-226	1.15	0.11	0.40	PCI/G	
SO-V97046-01-MDC5	05/14/97	RADIUM-228	ND		1.03	PCI/G	
SO-V97046-01-MDC5	05/14/97	THORIUM-230	7.28	0.82	0.72	PCI/G	
SO-V97046-01-MDC5	05/14/97	URANIUM-238	ND		3.15	PCI/G	
SO-V97047-01-MDC5	05/14/97	RADIUM-226	1.07	0.08	0.22	PCI/G	
SO-V97047-01-MDC5	05/14/97	RADIUM-228	0.71	0.11	0.31	PCI/G	
SO-V97047-01-MDC5	05/14/97	THORIUM-230	2.40	0.69	0.72	PCI/G	
SO-V97047-01-MDC5	05/14/97	URANIUM-238	ND		2.33	PCI/G	
SO-V97048-01-MDC5	05/14/97	RADIUM-226	0.80	0.11	0.22	PCI/G	
SO-V97048-01-MDC5	05/14/97	RADIUM-228	ND		0.85	PCI/G	
SO-V97048-01-MDC5	05/14/97	THORIUM-230	1.00	0.27	0.72	PCI/G	
SO-V97048-01-MDC5	05/14/97	URANIUM-238	(1.59)	0.82	2.58	PCI/G	
SO-V97049-01-MDC5	05/14/97	RADIUM-226	0.95	0.08	0.23	PCI/G	
SO-V97049-01-MDC5	05/14/97	RADIUM-228	0.57	0.10	0.28	PCI/G	
SO-V97049-01-MDC5	05/14/97	THORIUM-230	0.79	0.29	0.72	PCI/G	
SO-V97049-01-MDC5	05/14/97	URANIUM-238	ND		2.31	PCI/G	
SO-V97050-01-MDC5	05/14/97	RADIUM-226	1.62	0.13	0.31	PCI/G	
SO-V97050-01-MDC5	05/14/97	RADIUM-228	ND		1.07	PCI/G	
SO-V97050-01-MDC5	05/14/97	THORIUM-230	11.3	0.80	0.72	PCI/G	
SO-V97050-01-MDC5	05/14/97	URANIUM-238	ND		3.83	PCI/G	
SO-V97051-01-MDC5	05/14/97	RADIUM-226	1.41	0.09	0.28	PCI/G	
SO-V97051-01-MDC5	05/14/97	RADIUM-228	1.19	0.12	0.38	PCI/G	
SO-V97051-01-MDC5	05/14/97	THORIUM-230	1.38	0.21	0.72	PCI/G	
SO-V97051-01-MDC5	05/14/97	URANIUM-238	ND		2.71	PCI/G	
SO-V97052-01-MDC5	05/14/97	RADIUM-226	1.26	0.12	0.38	PCI/G	
SO-V97052-01-MDC5	05/14/97	RADIUM-228	1.18	0.17	0.37	PCI/G	
SO-V97052-01-MDC5	05/14/97	THORIUM-230	5.49	0.66	0.72	PCI/G	
SO-V97052-01-MDC5	05/14/97	URANIUM-238	ND		3.91	PCI/G	
SO-V97053-01-MDC5	05/14/97	RADIUM-226	1.74	0.10	0.22	PCI/G	
SO-V97053-01-MDC5	05/14/97	RADIUM-228	1.62	0.15	0.45	PCI/G	
SO-V97053-01-MDC5	05/14/97	THORIUM-230	5.65	0.48	0.72	PCI/G	
SO-V97053-01-MDC5	05/14/97	URANIUM-238	ND		3.04	PCI/G	
SO-V97054-01-MDC5	05/14/97	RADIUM-226	3.61	0.20	0.52	PCI/G	
SO-V97054-01-MDC5	05/14/97	RADIUM-228	1.80	0.23	0.76	PCI/G	
SO-V97054-01-MDC5	05/14/97	THORIUM-230	3.46	0.52	0.72	PCI/G	
SO-V97054-01-MDC5	05/14/97	URANIUM-238	ND		4.67	PCI/G	
SO-V97055-01-MDC5	05/14/97	RADIUM-226	1.12	0.09	0.24	PCI/G	
SO-V97055-01-MDC5	05/14/97	RADIUM-228	0.89	0.11	0.36	PCI/G	
SO-V97055-01-MDC5	05/14/97	THORIUM-230	1.14	0.32	0.72	PCI/G	
SO-V97055-01-MDC5	05/14/97	URANIUM-238	ND		2.59	PCI/G	
SO-V97056-01-MDC5	05/14/97	RADIUM-226	0.95	0.11	0.37	PCI/G	
SO-V97056-01-MDC5	05/14/97	RADIUM-228	ND		1.03	PCI/G	
SO-V97056-01-MDC5	05/14/97	THORIUM-230	1.39	0.22	0.72	PCI/G	
SO-V97056-01-MDC5	05/14/97	URANIUM-238	ND		3.33	PCI/G	
SO-V97057-01-MDC5	05/14/97	RADIUM-226	1.48	0.09	0.22	PCI/G	
SO-V97057-01-MDC5	05/14/97	RADIUM-228	0.93	0.11	0.38	PCI/G	
SO-V97057-01-MDC5	05/14/97	THORIUM-230	2.90	0.44	0.72	PCI/G	
SO-V97057-01-MDC5	05/14/97	URANIUM-238	ND		2.57	PCI/G	
SO-V97058-01-MDC5	05/14/97	RADIUM-226	1.97	0.14	0.34	PCI/G	
SO-V97058-01-MDC5	05/14/97	RADIUM-228	1.22	0.19	0.44	PCI/G	
SO-V97058-01-MDC5	05/14/97	THORIUM-230	11.3	0.79	0.72	PCI/G	
SO-V97058-01-MDC5	05/14/97	URANIUM-238	ND		3.86	PCI/G	
SO-V97059-01-MDC5	05/14/97	RADIUM-226	1.67	0.10	0.22	PCI/G	
SO-V97059-01-MDC5	05/14/97	RADIUM-228	0.98	0.14	0.41	PCI/G	

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V97059-01-MDC5	05/14/97	THORIUM-230	8.44	0.57	0.72	PCI/G	
SO-V97059-01-MDC5	05/14/97	URANIUM-238	ND		2.65	PCI/G	
SO-V97060-01-MDC5	05/14/97	RADIUM-226	2.07	0.11	0.25	PCI/G	
SO-V97060-01-MDC5	05/14/97	RADIUM-228	1.26	0.14	0.41	PCI/G	
SO-V97060-01-MDC5	05/14/97	THORIUM-230	9.16	0.81	0.72	PCI/G	
SO-V97060-01-MDC5	05/14/97	URANIUM-238	ND		2.80	PCI/G	
SO-V97061-01-MDC5	05/22/97	RADIUM-226	1.47	0.12	0.30	PCI/G	
SO-V97061-01-MDC5	05/22/97	RADIUM-228	ND		1.09	PCI/G	
SO-V97061-01-MDC5	05/22/97	THORIUM-230	1.97	0.32	0.72	PCI/G	
SO-V97061-01-MDC5	05/22/97	URANIUM-238	ND		3.77	PCI/G	
SO-V97062-01-MDC5	05/22/97	RADIUM-226	1.53	0.10	0.28	PCI/G	
SO-V97062-01-MDC5	05/22/97	RADIUM-228	0.87	0.12	0.29	PCI/G	
SO-V97062-01-MDC5	05/22/97	THORIUM-230	1.83	0.28	0.72	PCI/G	
SO-V97062-01-MDC5	05/22/97	URANIUM-238	ND		2.40	PCI/G	
SO-V97063-01-MDC5	05/22/97	RADIUM-226	1.47	0.12	0.37	PCI/G	
SO-V97063-01-MDC5	05/22/97	RADIUM-228	1.26	0.15	0.44	PCI/G	
SO-V97063-01-MDC5	05/22/97	THORIUM-230	1.63	0.52	0.72	PCI/G	
SO-V97063-01-MDC5	05/22/97	URANIUM-238	ND		3.90	PCI/G	
SO-V97064-01-MDC5	05/22/97	RADIUM-226	1.40	0.09	0.20	PCI/G	
SO-V97064-01-MDC5	05/22/97	RADIUM-228	0.90	0.14	0.40	PCI/G	
SO-V97064-01-MDC5	05/22/97	THORIUM-230	1.76	0.33	0.72	PCI/G	
SO-V97064-01-MDC5	05/22/97	URANIUM-238	(1.66)	0.54	2.07	PCI/G	
SO-V97065-01-MDC5	05/22/97	RADIUM-226	1.41	0.12	0.37	PCI/G	
SO-V97065-01-MDC5	05/22/97	RADIUM-228	1.17	0.18	0.49	PCI/G	
SO-V97065-01-MDC5	05/22/97	THORIUM-230	1.75	0.51	0.72	PCI/G	
SO-V97065-01-MDC5	05/22/97	URANIUM-238	ND		3.61	PCI/G	
SO-V97066-01-MDC5	05/22/97	RADIUM-226	1.01	0.08	0.22	PCI/G	
SO-V97066-01-MDC5	05/22/97	RADIUM-228	0.56	0.10	0.36	PCI/G	
SO-V97066-01-MDC5	05/22/97	THORIUM-230	1.11	0.39	0.72	PCI/G	
SO-V97066-01-MDC5	05/22/97	URANIUM-238	ND		2.35	PCI/G	
SO-V97067-01-MDC5	05/22/97	RADIUM-226	1.16	0.11	0.32	PCI/G	
SO-V97067-01-MDC5	05/22/97	RADIUM-228	ND		1.07	PCI/G	
SO-V97067-01-MDC5	05/22/97	THORIUM-230	0.86	0.33	0.72	PCI/G	
SO-V97067-01-MDC5	05/22/97	URANIUM-238	ND		3.89	PCI/G	
SO-V97068-01-MDC5	05/22/97	RADIUM-226	1.20	0.09	0.25	PCI/G	
SO-V97068-01-MDC5	05/22/97	RADIUM-228	0.91	0.12	0.37	PCI/G	
SO-V97068-01-MDC5	05/22/97	THORIUM-230	3.02	0.46	0.72	PCI/G	
SO-V97068-01-MDC5	05/22/97	URANIUM-238	ND		2.51	PCI/G	
SO-V97069-01-MDC5	05/22/97	RADIUM-226	1.58	0.10	0.27	PCI/G	
SO-V97069-01-MDC5	05/22/97	RADIUM-228	1.03	0.11	0.34	PCI/G	
SO-V97069-01-MDC5	05/22/97	THORIUM-230	8.82	0.75	0.72	PCI/G	
SO-V97069-01-MDC5	05/22/97	URANIUM-238	ND		2.68	PCI/G	
SO-V97070-01-MDC5	05/22/97	RADIUM-226	1.16	0.12	0.42	PCI/G	
SO-V97070-01-MDC5	05/22/97	RADIUM-228	1.24	0.16	0.29	PCI/G	
SO-V97070-01-MDC5	05/22/97	THORIUM-230	1.26	0.20	0.72	PCI/G	
SO-V97070-01-MDC5	05/22/97	URANIUM-238	ND		3.94	PCI/G	
SO-V97071-01-MDC5	05/22/97	RADIUM-226	1.29	0.09	0.22	PCI/G	
SO-V97071-01-MDC5	05/22/97	RADIUM-228	0.96	0.12	0.31	PCI/G	
SO-V97071-01-MDC5	05/22/97	THORIUM-230	1.25	0.18	0.72	PCI/G	
SO-V97071-01-MDC5	05/22/97	URANIUM-238	ND		2.61	PCI/G	
SO-V97072-01-MDC5	05/22/97	RADIUM-226	1.34	0.13	0.38	PCI/G	
SO-V97072-01-MDC5	05/22/97	RADIUM-228	1.21	0.16	0.60	PCI/G	
SO-V97072-01-MDC5	05/22/97	THORIUM-230	1.28	0.18	0.72	PCI/G	
SO-V97072-01-MDC5	05/22/97	URANIUM-238	ND		4.15	PCI/G	
SO-V97073-01-MDC5	05/29/97	RADIUM-226	1.42	0.12	0.22	PCI/G	
SO-V97073-01-MDC5	05/29/97	RADIUM-228	1.20	0.17	0.46	PCI/G	
SO-V97073-01-MDC5	05/29/97	THORIUM-230	1.60	0.25	0.72	PCI/G	
SO-V97073-01-MDC5	05/29/97	URANIUM-238	ND		3.61	PCI/G	
SO-V97074-01-MDC5	05/29/97	RADIUM-226	1.51	0.10	0.27	PCI/G	
SO-V97074-01-MDC5	05/29/97	RADIUM-228	0.98	0.11	0.34	PCI/G	
SO-V97074-01-MDC5	05/29/97	THORIUM-230	1.47	0.22	0.72	PCI/G	
SO-V97074-01-MDC5	05/29/97	URANIUM-238	ND		2.65	PCI/G	
SO-V97075-01-MDC5	05/29/97	RADIUM-226	1.41	0.12	0.35	PCI/G	
SO-V97075-01-MDC5	05/29/97	RADIUM-228	0.84	0.16	0.63	PCI/G	
SO-V97075-01-MDC5	05/29/97	THORIUM-230	1.00	0.15	0.72	PCI/G	
SO-V97075-01-MDC5	05/29/97	URANIUM-238	ND		3.98	PCI/G	

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V97076-01-MDC5	05/29/97	RADIUM-226	1.42	0.10	0.30	PCI/G	
SO-V97076-01-MDC5	05/29/97	RADIUM-228	(0.59)	0.14	0.63	PCI/G	
SO-V97076-01-MDC5	05/29/97	THORIUM-230	4.32	0.54	0.72	PCI/G	
SO-V97076-01-MDC5	05/29/97	URANIUM-238	ND		2.67	PCI/G	
SO-V97077-01-MDC5	05/29/97	RADIUM-226	1.51	0.13	0.29	PCI/G	
SO-V97077-01-MDC5	05/29/97	RADIUM-228	0.96	0.15	0.50	PCI/G	
SO-V97077-01-MDC5	05/29/97	THORIUM-230	3.32	0.39	0.72	PCI/G	
SO-V97077-01-MDC5	05/29/97	URANIUM-238	ND		3.49	PCI/G	
SO-V97078-01-MDC5	05/29/97	RADIUM-226	1.57	0.12	0.31	PCI/G	
SO-V97078-01-MDC5	05/29/97	RADIUM-228	ND		1.12	PCI/G	
SO-V97078-01-MDC5	05/29/97	THORIUM-230	2.40	0.36	0.72	PCI/G	
SO-V97078-01-MDC5	05/29/97	URANIUM-238	ND		3.90	PCI/G	
SO-V97079-01-MDC5	05/29/97	RADIUM-226	1.24	0.09	0.21	PCI/G	
SO-V97079-01-MDC5	05/29/97	RADIUM-228	1.08	0.12	0.40	PCI/G	
SO-V97079-01-MDC5	05/29/97	THORIUM-230	1.68	0.26	0.72	PCI/G	
SO-V97079-01-MDC5	05/29/97	URANIUM-238	ND		2.62	PCI/G	
SO-V97080-01-MDC5	05/29/97	RADIUM-226	1.20	0.09	0.26	PCI/G	
SO-V97080-01-MDC5	05/29/97	RADIUM-228	0.89	0.12	0.36	PCI/G	
SO-V97080-01-MDC5	05/29/97	THORIUM-230	0.99	0.24	0.72	PCI/G	
SO-V97080-01-MDC5	05/29/97	URANIUM-238	ND		2.68	PCI/G	
SO-V97081-01-MDC5	06/16/97	RADIUM-226	1.02	0.11	0.38	PCI/G	
SO-V97081-01-MDC5	06/16/97	RADIUM-228	ND		1.10	PCI/G	
SO-V97081-01-MDC5	06/16/97	THORIUM-230	0.89	0.25	0.17	PCI/G	
SO-V97081-01-MDC5	06/16/97	URANIUM-238	ND		3.68	PCI/G	
SO-V97082-01-MDC5	06/16/97	RADIUM-226	1.06	0.09	0.28	PCI/G	
SO-V97082-01-MDC5	06/16/97	RADIUM-228	0.78	0.10	0.36	PCI/G	
SO-V97082-01-MDC5	06/16/97	THORIUM-230	3.55	0.37	0.04	PCI/G	
SO-V97082-01-MDC5	06/16/97	URANIUM-238	1.94	0.49	1.61	PCI/G	

APPENDIX B
Vicinity Property Quality Assurance Data

QC Samples for the VPs' Engineering Characterization

WSSRAP_ID	DATE_SAN	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96001-01-DA3-RS-DU	01/20/97	RADIUM-226	0.391	0.103	0.0682	PCI/G	RPD=19.6
SO-V96001-01-DA3-RS-DU	01/20/97	RADIUM-228	0.222	0.123	0.194	PCI/G	RPD=31.0
SO-V96001-01-DA3-RS-DU	01/20/97	URANIUM-238	6.92	1.66	1.03	PCI/G	RPD=11.6
SO-V96001-01-DA3-RS-EB	01/20/97	RADIUM-226	(0.212)	0.245	0.493	PCI/L	
SO-V96001-01-DA3-RS-EB	01/20/97	RADIUM-228	(1.46)	2.02	4.74	PCI/L	
SO-V96001-01-DA3-RS-EB	01/20/97	URANIUM, TOTAL	(0.117)	0.00352	0.203	PCI/L	
SO-V96001-01-DA3-RS-FR	01/20/97	PERCENT MOISTURE	29.0		1.00	PRCNT	
SO-V96001-01-DA3-RS-FR	01/20/97	RADIUM-226	0.579	0.126	0.0609	PCI/G	
SO-V96001-01-DA3-RS-FR	01/20/97	RADIUM-228	0.226	0.128	0.199	PCI/G	
SO-V96001-01-DA3-RS-FR	01/20/97	URANIUM-238	11.4	2.61	1.16	PCI/G	
SO-V96001-01-DA3-RS-SD	01/20/97	RADIUM-226	0.771	0.185	0.235	PCI/G	
SO-V96001-01-DA3-RS-SD	01/20/97	RADIUM-228	0.571	0.281	0.409	PCI/G	
SO-V96001-01-DA3-RS-SD	01/20/97	URANIUM-238	16.3	2.97	2.67	PCI/G	
SO-V96002-01-MDC4-EB	12/31/96	RADIUM-226	1.0	0.6	0.4	PCI/L	
SO-V96002-01-MDC4-EB	12/31/96	RADIUM-228	(2.1)	2.0	4	PCI/L	
SO-V96002-01-MDC4-EB	12/31/96	URANIUM, TOTAL	0.6		0.2	PCI/L	
SO-V96002-01-MDC4-FR	12/31/96	RADIUM-226	1.69	0.15	0.40	PCI/G	
SO-V96002-01-MDC4-FR	12/31/96	RADIUM-228	ND		1.38	PCI/G	
SO-V96002-01-MDC4-FR	12/31/96	URANIUM-238	ND		4.14	PCI/G	
SO-V96002-01-MDC4-SD	12/31/96	RADIUM-226	1.6	0.7	0.5	PCI/G	
SO-V96002-01-MDC4-SD	12/31/96	RADIUM-228	2.8	1.1	1	PCI/G	
SO-V96002-01-MDC4-SD	12/31/96	URANIUM-234	1.0	0.7	1	PCI/G	
SO-V96002-01-MDC4-SD	12/31/96	URANIUM-235	ND	0.2	0.4	PCI/G	
SO-V96002-01-MDC4-SD	12/31/96	URANIUM-238	1.2	0.7	0.4	PCI/G	
SO-V96004-01-DA5-FR-RS	01/02/97	RADIUM-226	21.6	0.58	0.97	PCI/G	
SO-V96004-01-DA5-FR-RS	01/02/97	RADIUM-228	1.37	0.28	0.88	PCI/G	
SO-V96004-01-DA5-FR-RS	01/02/97	URANIUM-238	ND		7.77	PCI/G	
SO-V96004-01-DA5-RS-DU	01/02/97	RADIUM-226	27.7	0.61	0.83	PCI/G	RPD=3.19%
SO-V96004-01-DA5-RS-DU	01/02/97	RADIUM-228	(0.87)	0.25	0.96	PCI/G	RPD=16.84%
SO-V96004-01-DA5-RS-DU	01/02/97	THORIUM-230	1.05	0.14	0.045	PCI/G	RPD=14.3%
SO-V96004-01-DA5-RS-DU	01/02/97	URANIUM-238	ND		6.42	PCI/G	RPD=NC
SO-V96004-01-DA5-RS-EB	01/02/97	RADIUM-226	0.5	0.5	0.4	PCI/L	
SO-V96004-01-DA5-RS-EB	01/02/97	RADIUM-228	4.3	2.1	4	PCI/L	
SO-V96004-01-DA5-RS-EB	01/02/97	URANIUM, TOTAL	(0.08)		0.2	PCI/L	
SO-V96004-01-DA5-RS-SD	01/02/97	RADIUM-226	27	3	0.5	PCI/G	
SO-V96004-01-DA5-RS-SD	01/02/97	RADIUM-228	1.4	1.0	1	PCI/G	
SO-V96004-01-DA5-RS-SD	01/02/97	URANIUM-234	2.3	0.9	1	PCI/G	
SO-V96004-01-DA5-RS-SD	01/02/97	URANIUM-235	ND	0.2	0.4	PCI/G	
SO-V96004-01-DA5-RS-SD	01/02/97	URANIUM-238	4.4	1.2	0.4	PCI/G	
SO-V96004-03-MDC4-DU	12/31/96	RADIUM-226	1.60	0.11	0.34	PCI/G	RPD=3.82
SO-V96004-03-MDC4-DU	12/31/96	RADIUM-228	1.25	0.14	0.46	PCI/G	RPD=2.43
SO-V96004-03-MDC4-DU	12/31/96	URANIUM-238	ND		3.19	PCI/G	RPD=NC
SO-V96004-03-MDC4-EB	12/31/96	RADIUM-226	(0.3)	0.5	0.4	PCI/L	
SO-V96004-03-MDC4-EB	12/31/96	RADIUM-228	(3.4)	2.1	4	PCI/L	
SO-V96004-03-MDC4-EB	12/31/96	URANIUM, TOTAL	0.4		0.2	PCI/L	
SO-V96004-03-MDC4-FR	12/31/96	RADIUM-226	1.67	0.14	0.11	PCI/G	
SO-V96004-03-MDC4-FR	12/31/96	RADIUM-228	1.87	0.24	0.67	PCI/G	
SO-V96004-03-MDC4-FR	12/31/96	URANIUM-238	ND		4.34	PCI/G	
SO-V96004-03-MDC4-SD	12/31/96	RADIUM-226	1.7	0.7	0.5	PCI/G	
SO-V96004-03-MDC4-SD	12/31/96	RADIUM-228	1.5	1.0	1	PCI/G	
SO-V96004-03-MDC4-SD	12/31/96	URANIUM-234	(0.8)	0.6	1	PCI/G	
SO-V96004-03-MDC4-SD	12/31/96	URANIUM-235	ND	0.3	0.4	PCI/G	
SO-V96004-03-MDC4-SD	12/31/96	URANIUM-238	1.4	0.8	0.4	PCI/G	
SO-V96005-02-MDC4-DU	12/31/96	RADIUM-226	1.57	0.11	0.29	PCI/G	RPD=5.23
SO-V96005-02-MDC4-DU	12/31/96	RADIUM-228	1.29	0.14	0.51	PCI/G	RPD=12.4
SO-V96005-02-MDC4-DU	12/31/96	URANIUM-238	ND		3.40	PCI/G	RPD=NC
SO-V96005-02-MDC4-EB	12/31/96	RADIUM-226	(0.2)	0.4	0.5	PCI/L	
SO-V96005-02-MDC4-EB	12/31/96	RADIUM-228	(3.3)	2.1	4	PCI/L	
SO-V96005-02-MDC4-EB	12/31/96	URANIUM, TOTAL	(0.03)		0.2	PCI/L	
SO-V96005-02-MDC4-FR	12/31/96	RADIUM-226	1.58	0.14	0.43	PCI/G	
SO-V96005-02-MDC4-FR	12/31/96	RADIUM-228	1.40	0.21	0.78	PCI/G	
SO-V96005-02-MDC4-FR	12/31/96	URANIUM-238	ND		4.10	PCI/G	
SO-V96005-02-MDC4-SD	12/31/96	RADIUM-226	1.8	0.8	0.5	PCI/G	
SO-V96005-02-MDC4-SD	12/31/96	RADIUM-228	(0.8)	0.9	1	PCI/G	
SO-V96005-02-MDC4-SD	12/31/96	URANIUM-234	1.8	0.8	1	PCI/G	
SO-V96005-02-MDC4-SD	12/31/96	URANIUM-235	ND	0.3	0.4	PCI/G	

QC Samples for the VPs' Engineering Characterization

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96005-02-MDC4-SD	12/31/96	URANIUM-238	1.8	0.8	0.4	PCI/G	
SO-V96006-01-MDC4-DU	12/30/96	RADIUM-226	1.49	0.10	0.29	PCI/G	RPD=0.67
SO-V96006-01-MDC4-DU	12/30/96	RADIUM-228	1.26	0.16	0.47	PCI/G	RPD=NC
SO-V96006-01-MDC4-DU	12/30/96	URANIUM-238	ND		3.21	PCI/G	RPD=NC
SO-V96006-01-MDC4-EB	12/30/96	RADIUM-226	(0.2)	0.4	0.4	PCI/L	
SO-V96006-01-MDC4-EB	12/30/96	RADIUM-228	(2.5)	2.0	4	PCI/L	
SO-V96006-01-MDC4-EB	12/30/96	URANIUM, TOTAL	0.3		0.2	PCI/L	
SO-V96006-01-MDC4-FR	12/30/96	RADIUM-226	1.45	0.10	0.26	PCI/G	
SO-V96006-01-MDC4-FR	12/30/96	RADIUM-228	ND		0.86	PCI/G	
SO-V96006-01-MDC4-FR	12/30/96	URANIUM-238	(0.98)	0.44	1.79	PCI/G	
SO-V96006-01-MDC4-SD	12/30/96	RADIUM-226	1.3	0.7	0.5	PCI/G	
SO-V96006-01-MDC4-SD	12/30/96	RADIUM-228	1.3	1.0	1	PCI/G	
SO-V96006-01-MDC4-SD	12/30/96	URANIUM-234	2.0	0.9	1	PCI/G	
SO-V96006-01-MDC4-SD	12/30/96	URANIUM-235	ND	0.3	0.4	PCI/G	
SO-V96006-01-MDC4-SD	12/30/96	URANIUM-238	1.8	0.8	0.4	PCI/G	
SO-V96007-01-DA2-EB	12/19/96	RADIUM-226	0.4	0.5	0.4	PCI/L	
SO-V96007-01-DA2-EB	12/19/96	RADIUM-228	(1.2)	2.0	4	PCI/L	
SO-V96007-01-DA2-EB	12/19/96	URANIUM, TOTAL	0.3		0.2	PCI/L	
SO-V96007-01-DA2-FR	12/19/96	RADIUM-226	1.81	0.13	0.19	PCI/G	
SO-V96007-01-DA2-FR	12/19/96	RADIUM-228	1.33	0.19	0.61	PCI/G	
SO-V96007-01-DA2-FR	12/19/96	URANIUM-238	4.75	1.49	4.27	PCI/G	
SO-V96007-01-DA2-SD	12/19/96	RADIUM-226	2.2	0.9	0.5	PCI/G	
SO-V96007-01-DA2-SD	12/19/96	RADIUM-228	1.2	1.0	1	PCI/G	
SO-V96007-01-DA2-SD	12/19/96	URANIUM-234	4.0	1.2	1	PCI/G	
SO-V96007-01-DA2-SD	12/19/96	URANIUM-235	(0.16)	0.4	0.4	PCI/G	
SO-V96007-01-DA2-SD	12/19/96	URANIUM-238	3.4	1.1	0.4	PCI/G	
SO-V96007-01-DA3-DU	01/03/97	RADIUM-226	0.728	0.107	0.110	PCI/G	RPD=4.59
SO-V96007-01-DA3-DU	01/03/97	RADIUM-228	0.554	0.151	0.173	PCI/G	RPD=17.2
SO-V96007-01-DA3-DU	01/03/97	URANIUM-238	4.58	2.89	3.99	PCI/G	RPD=28.2
SO-V96007-01-DA3-EB	01/03/97	RADIUM-226	0.9	0.7	0.4	PCI/L	
SO-V96007-01-DA3-EB	01/03/97	RADIUM-228	(0.5)	1.9	4	PCI/L	
SO-V96007-01-DA3-EB	01/03/97	URANIUM, TOTAL	(0.19)		0.2	PCI/L	
SO-V96007-01-DA3-FR	01/03/97	RADIUM-226	0.740	0.0816	0.0929	PCI/G	
SO-V96007-01-DA3-FR	01/03/97	RADIUM-228	0.498	0.127	0.222	PCI/G	
SO-V96007-01-DA3-FR	01/03/97	URANIUM-238	4.87	2.10	3.01	PCI/G	
SO-V96007-01-DA3-SD	01/03/97	RADIUM-226	0.5	0.5	0.5	PCI/G	
SO-V96007-01-DA3-SD	01/03/97	RADIUM-228	ND	0.9	1	PCI/G	
SO-V96007-01-DA3-SD	01/03/97	URANIUM-234	5.1	1.3	0.9	PCI/G	
SO-V96007-01-DA3-SD	01/03/97	URANIUM-235	(0.26)	0.4	0.4	PCI/G	
SO-V96007-01-DA3-SD	01/03/97	URANIUM-238	5.0	1.3	0.4	PCI/G	
SO-V96008-01-DA3-RS-DU	01/20/97	RADIUM-226	0.537	0.133	0.0665	PCI/G	RPD=7.09
SO-V96008-01-DA3-RS-DU	01/20/97	RADIUM-228	0.359	0.158	0.0977	PCI/G	RPD=20.6
SO-V96008-01-DA3-RS-DU	01/20/97	URANIUM-238	9.98	2.46	1.13	PCI/G	RPD=10.7
SO-V96008-01-DA3-RS-EB	01/20/97	RADIUM-226	(0.310)	0.311	0.603	PCI/L	
SO-V96008-01-DA3-RS-EB	01/20/97	RADIUM-228	(1.81)	2.44	5.71	PCI/L	
SO-V96008-01-DA3-RS-EB	01/20/97	URANIUM, TOTAL	(0.0570)	0.00273	0.203	PCI/L	
SO-V96008-01-DA3-RS-FR	01/20/97	PERCENT MOISTURE	25.0		1.00	PRCNT	
SO-V96008-01-DA3-RS-FR	01/20/97	RADIUM-226	0.567	0.103	0.0501	PCI/G	
SO-V96008-01-DA3-RS-FR	01/20/97	RADIUM-228	0.532	0.133	0.0807	PCI/G	
SO-V96008-01-DA3-RS-FR	01/20/97	URANIUM-238	10.4	2.27	0.848	PCI/G	
SO-V96008-01-DA3-RS-SD	01/20/97	RADIUM-226	0.665	0.0998	0.107	PCI/G	
SO-V96008-01-DA3-RS-SD	01/20/97	RADIUM-228	0.254	0.138	0.162	PCI/G	
SO-V96008-01-DA3-RS-SD	01/20/97	URANIUM-238	14.7	3.39	3.96	PCI/G	
SO-V96008-03-DA2-DU	12/19/96	RADIUM-226	1.52	0.11	0.28	PCI/G	RPD = 6.37
SO-V96008-03-DA2-DU	12/19/96	RADIUM-228	1.19	0.14	0.47	PCI/G	RPD = 9.6
SO-V96008-03-DA2-DU	12/19/96	URANIUM-238	ND		3.18	PCI/G	RPD = NC
SO-V96009-03-DA2-DU	12/19/96	RADIUM-226	1.47	0.11	0.36	PCI/G	RPD = 3.34
SO-V96009-03-DA2-DU	12/19/96	RADIUM-228	1.40	0.13	0.40	PCI/G	RPD = 7.56
SO-V96009-03-DA2-DU	12/19/96	URANIUM-238	ND		3.06	PCI/G	RPD = NC
SO-V96012-01-DA2-DU	12/19/96	RADIUM-226	1.35	0.11	0.38	PCI/G	RPD = 5.76
SO-V96012-01-DA2-DU	12/19/96	RADIUM-228	1.22	0.13	0.42	PCI/G	RPD = 13.1
SO-V96012-01-DA2-DU	12/19/96	URANIUM-238	ND		3.25	PCI/G	RPD = NC
SO-V96012-01-DA2-EB	12/19/96	RADIUM-226	1.0	0.7	0.5	PCI/L	
SO-V96012-01-DA2-EB	12/19/96	RADIUM-228	(0.6)	1.9	4	PCI/L	
SO-V96012-01-DA2-EB	12/19/96	URANIUM, TOTAL	0.3		0.2	PCI/L	
SO-V96012-01-DA2-FR	12/19/96	RADIUM-226	1.54	0.11	0.26	PCI/G	

QC Samples for the VPs' Engineering Characterization

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
SO-V96012-01-DA2-FR	12/19/96	RADIUM-228	1.33	0.14	0.37	PCI/G	
SO-V96012-01-DA2-FR	12/19/96	URANIUM-238	ND		3.22	PCI/G	
SO-V96012-01-DA2-SD	12/19/96	RADIUM-226	1.9	0.8	0.5	PCI/G	
SO-V96012-01-DA2-SD	12/19/96	RADIUM-228	(0.5)	0.9	1	PCI/G	
SO-V96012-01-DA2-SD	12/19/96	URANIUM-234	1.4	0.8	1	PCI/G	
SO-V96012-01-DA2-SD	12/19/96	URANIUM-235	ND	0.2	0.4	PCI/G	
SO-V96012-01-DA2-SD	12/19/96	URANIUM-238	1.8	0.8	0.4	PCI/G	
SO-V96020-01-DA2-DU	12/19/96	RADIUM-226	1.43	0.10	0.27	PCI/G	RPD = 5.44
SO-V96020-01-DA2-DU	12/19/96	RADIUM-228	1.43	0.14	0.52	PCI/G	RPD = 7.25
SO-V96020-01-DA2-DU	12/19/96	URANIUM-238	18.6	2.07	3.10	PCI/G	RPD = 12.5
SO-V96020-01-DA2-EB	12/19/96	RADIUM-226	0.5	0.5	0.4	PCI/L	
SO-V96020-01-DA2-EB	12/19/96	RADIUM-228	(1.1)	2.0	4	PCI/L	
SO-V96020-01-DA2-EB	12/19/96	URANIUM, TOTAL	0.3		0.2	PCI/L	
SO-V96020-01-DA2-FR	12/19/96	RADIUM-226	1.39	0.14	0.51	PCI/G	
SO-V96020-01-DA2-FR	12/19/96	RADIUM-228	1.26	0.19	0.61	PCI/G	
SO-V96020-01-DA2-FR	12/19/96	URANIUM-238	22.6	3.15	6.74	PCI/G	
SO-V96020-01-DA2-SD	12/19/96	RADIUM-226	0.8	0.6	0.5	PCI/G	
SO-V96020-01-DA2-SD	12/19/96	RADIUM-228	(0.9)	1.0	1	PCI/G	
SO-V96020-01-DA2-SD	12/19/96	URANIUM-234	18	2	1	PCI/G	
SO-V96020-01-DA2-SD	12/19/96	URANIUM-235	1.8	0.8	0.4	PCI/G	
SO-V96020-01-DA2-SD	12/19/96	URANIUM-238	19	2	0.4	PCI/G	
SO-V96022-01-DA1-DU	10/29/96	RADIUM-226	1.62	0.11	0.33	PCI/G	RPD=16.0
SO-V96022-01-DA1-DU	10/29/96	RADIUM-228	1.21	0.14	0.49	PCI/G	RPD=19.0
SO-V96022-01-DA1-DU	10/29/96	URANIUM-238	8.79	1.26	2.84	PCI/G	RPD=14.9
SO-V96022-01-DA1-EB	10/29/96	RADIUM-226	(0.216)	0.217	0.398	PCI/L	
SO-V96022-01-DA1-EB	10/29/96	RADIUM-228	(1.98)	1.80	4.03	PCI/L	
SO-V96022-01-DA1-EB	10/29/96	URANIUM, TOTAL	0.148	0.005	0.0203	PCI/L	
SO-V96022-01-DA1-FR	10/29/96	RADIUM-226	1.45	0.10	0.34	PCI/G	
SO-V96022-01-DA1-FR	10/29/96	RADIUM-228	1.24	0.14	0.38	PCI/G	
SO-V96022-01-DA1-FR	10/29/96	URANIUM-238	7.82	1.20	3.33	PCI/G	
SO-V96022-01-DA1-SD	10/29/96	RADIUM-226	0.325	0.141	0.088	PCI/G	
SO-V96022-01-DA1-SD	10/29/96	RADIUM-228	(0.576)	0.520	1.17	PCI/G	
SO-V96022-01-DA1-SD	10/29/96	URANIUM-234	9.65	1.96	0.176	PCI/G	
SO-V96022-01-DA1-SD	10/29/96	URANIUM-235	0.465	0.254	0.168	PCI/G	
SO-V96022-01-DA1-SD	10/29/96	URANIUM-238	9.56	1.94	0.068	PCI/G	
SO-V96023-01-DA2-DU	12/13/96	RADIUM-226	1.03	0.09	0.24	PCI/G	RPD=12.4
SO-V96023-01-DA2-DU	12/13/96	RADIUM-228	0.77	0.12	0.39	PCI/G	RPD=35.1
SO-V96023-01-DA2-DU	12/13/96	URANIUM-238	ND		2.65	PCI/G	RPD=NC
SO-V96023-01-DA2-FR	12/13/96	RADIUM-226	1.38	0.12	0.33	PCI/G	
SO-V96023-01-DA2-FR	12/13/96	RADIUM-228	ND		1.10	PCI/G	
SO-V96023-01-DA2-FR	12/13/96	URANIUM-238	ND		4.30	PCI/G	
SO-V96030-04-DA2-DU	12/20/96	RADIUM-226	1.49	0.11	0.31	PCI/G	RPD = 12.0
SO-V96030-04-DA2-DU	12/20/96	RADIUM-228	1.09	0.13	0.43	PCI/G	RPD = 12.1
SO-V96030-04-DA2-DU	12/20/96	URANIUM-238	ND		3.36	PCI/G	RPD = NC
SO-V96030-04-DA2-EB	12/20/96	RADIUM-226	0.4	0.5	0.4	PCI/L	
SO-V96030-04-DA2-EB	12/20/96	RADIUM-228	(1.5)	1.9	3	PCI/L	
SO-V96030-04-DA2-EB	12/20/96	URANIUM, TOTAL	ND		0.2	PCI/L	
SO-V96030-04-DA2-FR	12/20/96	RADIUM-226	1.43	0.13	0.41	PCI/G	
SO-V96030-04-DA2-FR	12/20/96	RADIUM-228	ND		1.14	PCI/G	
SO-V96030-04-DA2-FR	12/20/96	URANIUM-238	ND		4.26	PCI/G	
SO-V96030-04-DA2-SD	12/20/96	RADIUM-226	1.0	0.6	0.5	PCI/G	
SO-V96030-04-DA2-SD	12/20/96	RADIUM-228	(0.8)	0.9	1	PCI/G	
SO-V96030-04-DA2-SD	12/20/96	URANIUM-234	1	0.6	0.9	PCI/G	
SO-V96030-04-DA2-SD	12/20/96	URANIUM-235	ND	0.3	0.4	PCI/G	
SO-V96030-04-DA2-SD	12/20/96	URANIUM-238	1.2	0.7	0.4	PCI/G	
SO-V96040-01-DA1-DU	10/31/96	RADIUM-226	1.55	0.12	0.36	PCI/G	RPD=3.95
SO-V96040-01-DA1-DU	10/31/96	RADIUM-228	1.42	0.14	0.48	PCI/G	RPD=11.2
SO-V96040-01-DA1-DU	10/31/96	URANIUM-238	68.4	6.00	4.41	PCI/G	RPD=3.83
SO-V96040-01-DA1-EB	10/31/96	RADIUM-226	ND	0.523	0.860	PCI/L	
SO-V96040-01-DA1-EB	10/31/96	RADIUM-228	ND	0.54	0.962	PCI/L	
SO-V96040-01-DA1-EB	10/31/96	URANIUM, TOTAL	0.779	0.0138	0.0643	PCI/L	
SO-V96040-01-DA1-FR	10/31/96	RADIUM-226	1.77	0.13	0.37	PCI/G	
SO-V96040-01-DA1-FR	10/31/96	RADIUM-228	1.18	0.20	0.78	PCI/G	
SO-V96040-01-DA1-FR	10/31/96	URANIUM-238	61.8	6.12	7.53	PCI/G	
SO-V96040-01-DA1-SD	10/31/96	PERCENT MOISTURE	19.0		1.00	PRCNT.	
SO-V96040-01-DA1-SD	10/31/96	RADIUM-226	2.49	0.825	0.498	PCI/G	

QC Samples for the VPs' Engineering Characterization

WSSRAP_ID	DATE_SAM	PARAMETER	COMC	ERR	DL	UNITS	COMMENTS
SO-V96040-01-DA1-SD	10/31/96	RADIUM-228	2.39	0.389	0.576	PCI/G	
SO-V96040-01-DA1-SD	10/31/96	URANIUM-234	149	15.9	0.124	PCI/G	
SO-V96040-01-DA1-SD	10/31/96	URANIUM-235	7.45	1.09	0.151	PCI/G	
SO-V96040-01-DA1-SD	10/31/96	URANIUM-238	152	16.2	0.151	PCI/G	
SO-V96042-01-DA1-DU	10/30/96	RADIUM-226	1.47	0.10	0.35	PCI/G	RPD=8.47
SO-V96042-01-DA1-DU	10/30/96	RADIUM-228	1.17	0.13	0.55	PCI/G	RPD=0.86
SO-V96042-01-DA1-DU	10/30/96	URANIUM-238	86.0	7.37	4.19	PCI/G	RPD=13.8
SO-V96042-01-DA1-EB	10/30/96	RADIUM-226	(0.325)	0.266	0.378	PCI/L	
SO-V96042-01-DA1-EB	10/30/96	RADIUM-228	ND	1.42	4.04	PCI/L	
SO-V96042-01-DA1-EB	10/30/96	URANIUM, TOTAL	0.373	0.008	0.0203	PCI/L	
SO-V96042-01-DA1-FR	10/30/96	RADIUM-226	1.32	0.11	0.35	PCI/G	
SO-V96042-01-DA1-FR	10/30/96	RADIUM-228	1.10	0.16	0.56	PCI/G	
SO-V96042-01-DA1-FR	10/30/96	URANIUM-238	97.6	7.88	6.19	PCI/G	
SO-V96042-01-DA1-SD	10/30/96	RADIUM-226	0.753	0.227	0.089	PCI/G	
SO-V96042-01-DA1-SD	10/30/96	RADIUM-228	(0.675)	0.536	1.19	PCI/G	
SO-V96042-01-DA1-SD	10/30/96	URANIUM-234	74.2	13.7	0.151	PCI/G	
SO-V96042-01-DA1-SD	10/30/96	URANIUM-235	3.09	0.858	0.093	PCI/G	
SO-V96042-01-DA1-SD	10/30/96	URANIUM-238	74.9	13.9	0.167	PCI/G	

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**MK-Ferguson Company
Weldon Spring Site Remedial Action Project**

TRANSMITTAL OF CONTRACT DELIVERABLE

Date: **September 8, 1999**

Transmittal No.: **CD-0217-00**

Title of Document: **Closure Report For The Engineering Soil Sampling Plan For Army And
MDC Vicinity Properties**

Doc. Num.: **795**

Rev. No.: **0**

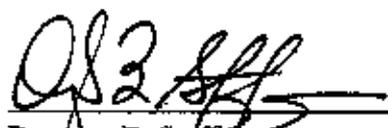
Date of Document: **September 1999**

Purpose of Transmittal: Request for Department of Energy acceptance of contract deliverable.

In compliance with the Project Management Contract, MK-Ferguson Company hereby delivers the attached document to the U.S. Department of Energy, Weldon Spring Site Office. The document has been reviewed and approved by Project Management Contractor management.

The document will be considered accepted unless we receive written notification to the contrary within 30 days of the date of this transmittal.

Number of copies transmitted: **1**



Douglas E. Steffen

Project Director